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PAGE INDEX NOTES	SUPPORTING INFORMATION	
	CATEGORY	NUMBER
1. When changes are made in this document, only those pages affected will be reissued.	GENERAL SYSTEM MAINTENANCE	BSP 233-140-100
	TOP DOCUMENT NO.3 ESS	BSP 233-142-100
	MAINTENANCE REFERENCE MAN.	PK-1C900-01 IS.1
2. Pages that are not changed will retain their existing issue number.	INPUT REFERENCE MAN.	IM-3H300-03 IS.4
3. The last issue number of the page index is recognized as the latest number of the document as a whole.	ELECTRONIC SWITCHING SYSTEMS 3	AT&TCO PROVISIONAL
	OUTPUT MESSAGE MANUAL	OM-3H300-03-A1 737 PAGES

AT&T TECHNOLOGIES

MESSAGE INDEX

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ABT LTD	2	X	X			X		
ABT NW ANAL	6	X	X					
ABT RROANN	8	X	X					
ACT OW	10	X	X					
ADM ERR	11	X	X	X	X	X	X	X
ADM PROG	62	X	X	X	X	X	X	X
ALW BLDG ALM	63	X	X					
ALW ORDUTIL STOPPED	64	X	X					
ALW OW	65	X	X					
ALW TAPEUTIL COMPL	66	X	X					
AU FILE ERR	67	X	X	X	X	X	X	X
AU MAINT COMPL	68	X	X					
AU MAS COMPL	69	X	X					
AUDIT TAPE	70	X	X					
AUDIT TAPE MATCH	71	X	X					
AUDIT TAPE REPT	72	X	X					
CMPR MAS	73	X	X					
CMPR MAS	74	X	X					
CNL OW	75	X	X					
COPY FILE COMPL	76	X	X					
COPY TAPE COMPL	77	X	X					
DGN CU	79	X	X					
DGN CU	81	X	X					
DGN CU	82	X	X					
DGN CU	83	X	X					
DGN CU	84	X	X					
DGN CU COMPLETE	85	X	X					
DGN FIOC	86	X	X					
DGN FIOC	87	X	X					
DGN FIOC	89	X	X					
DGN FIOC	90	X	X					
DGN JC	91	X	X					
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DGN JC	94	X	X					
DGN JC	95	X	X					
DGN MAS ERR	96	X	X					
DGN NWC	98	X	X					
DGN NWC	99	X	X					
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DGN RT	109	X X
DGN RT	111	X X
DGN RT	112	X X
DGN SC	113	X X
DGN SC	114	X X
DGN SC	116	X X
DGN SC	117	X X
DGN SVC	118	X X
DGN SVC	119	X X
DGN SVC	121	X X
DGN SVC	123	X X
DGN TAPE	124	X X
DGN TAPE	125	X X
DGN TAPE	126	X X
DGN TRK	127	X X X
DGN TRK	128	X X X
DGN TRK	130	X X X
DGN TRK	131	X X X
DGN TTYC	132	X X
DGN TTYC	133	X
DGN TTYC	134	X X
DGN TTYC	136	X X
DGN TTYC	138	X X
DGN TV TC	139	X X
DGN TV TC	140	X X
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DMP OFLST	150	X X
DMP REG OFL	151	X X
DMP REG OFL	152	X X
DMP ST	153	X X
DMP TAPE BLK	154	X X
EX NW	157	X X
EX NW	158	X X
EX NW ABT	161	X X
EX NW COMPL	163	X X
EX SSP COMPL	165	X X

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HOURLY REPORT	167	X	X								
IN OW	171	X	X								
IN OW	173	X	X								
IN OWDATA ERR	174	X	X								
IN OWDATA STOPPED	175	X	X								
IN OWDATA WARN	176	X	X								
INH BLDG ALM	177	X	X								
INIT ORDUTIL COMPL	178	X	X								
INIT OWFILE	179	X	X								
INIT PROG COMPL	180	X	X								
INIT TAPE COMPL	181	X	X								
INIT TTYC	182	X	X	X	X	X	X	X	X		
INIT TTYC ALL	184	X									
LOD INDIR	185	X	X								
LOD OMAS COMPL	186	X	X								
LOD OW	187	X	X								
LOD REG	188	X	X								
LOD ST ERR	189	X	X								
LOD ST 0	190	X	X								
MON	191	X	X								
MON INDIR	193	X	X								
MON LIMIT BLK	194	X	X								
MON REG	195	X	X								
MON ST 0	196	X	X								
NW ANAL START	197	X	X								
NW COUNT START	198	X	X								
OFFICE MESSAGE REG	199	X	X	X	X	X	X	X	X		
OFR UTIL	201	X	X	X	X	X	X	X	X		
OP ADR	203	X	X								
OP ALM STAT	204	X	X								
OP AMA STAT	205	X	X								
OP CLK	206	X	X	X	X	X	X	X	X		
OP CU STAT	207	X	X								
OP DATA ABT	210	X	X								
OP DATA COMPL	211	X	X								
OP DELAY MSG	212	X	X	X	X	X	X	X	X		
OP ERR	214	X	X								
OP EXP	217	X	X	X	X	X	X	X	X		
OP FEA	219	X	X	X	X	X	X	X	X		
OP FLT	220	X	X								
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OP HASHNR	226	X X
OP LINE	227	X X X X X X X
OP MATCH	230	X X X X X X X
OP MON	231	X X
OP MON NOT	233	X X
OP MON NOT	234	X X
OP MSF	235	X X X X X X X
OP NW COUNT	236	X X
OP NW STAT	238	X X X X X X X
OP OA STAT	241	X X
OP OFR	242	X X X X X X X
OP OFR CHG	244	X X X X X X X
OP OFR MSG	246	X X X X X X X
OP OW	248	X X
OP OWFILE	250	X X
OP OWFILE STOPPED	251	X X
OP POSTMORT	252	X X
OP RT STAT	256	X X
OP SVC	257	X X X X X X X
OP SYC	259	X X
OP TDC STAT	261	X X
OP TRK	262	X X X X X X X
OP TTYC	265	X X X X X X X
ORD NW	267	X X
ORD NW	268	X X
ORD NW ABT	270	X X
ORD STOP MSG	272	X X
OTO	273	X X
OTO ABT	275	X X
OTO COMPL	277	X X
OTO ERR	279	X X
OTO LAST TN	282	X X
PAGEMON ABT	283	X X
PROG COMPL	284	X X
PROG STOPPED	285	X X
RC CFN TN	287	X X
RC ERR	288	X X X X
RCOVRY AU ABO	310	X X
RCOVRY AU BLO	311	X X
RCOVRY AU BSmm	312	X X
RCOVRY AU BTmm	313	X X
RCOVRY AU CF5	314	X X

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RCOVRT AU HWmm	317	X X
RCOVRT AU MAINT	318	X X
RCOVRT AU MAINT	320	X X
RCOVRT AU MAINT	321	X X
RCOVRT AU NWyy	323	X X
RCOVRT AU STm	325	X X
RCOVRT AU STn	327	X X
RCOVRT AU TRm	328	X X
RCOVRT AU TRn	330	X X
RCOVRT AU TVn	332	X X
RCOVRT AU TWn	334	X X
RCOVRT CU INIT	336	X X
RCOVRT IN HOPPER	338	X X
RCOVRT MAS ERR	340	X X
RCOVRT PROG TBL	342	X X
RCOVRT SYC	355	X X
RCOVRT XSL TBL	357	X X
REPT ALM	361	X X
REPT ALMBATA	362	X X
REPT ALNK	363	X X
REPT AMA BACK	365	X X
REPT AMA MULT	366	X X
REPT AMA PRIMARY	367	X X
REPT AMABUF	368	X X
REPT ANNC TRBL	369	X X
REPT BB	370	X X
REPT BLDG	371	X X
REPT BLNK	372	X X
REPT CCT AA	374	X X
REPT CCT ERR	376	X X
REPT CCT FAIL	377	X X
REPT CGA	378	X X
REPT CKT TRBL	379	X X
REPT CKT TRBL	381	X X
REPT CKT TRBL	383	X
REPT CKT TRBL	385	X X
REPT CKT TRBL	387	X X
REPT CO BAT	388	X X
REPT CO BAT	389	X X
REPT CO OPEN	390	X X
REPT CUOPWR	391	X X
REPT CU1PWR	392	X X

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REPT DSP	393	X	X			X			
REPT DSP CLR	394	X	X			X			
REPT DTB	395	X	X			X			
REPT DTD	396	X	X						
REPT ERR	398	X	X						
REPT ERR CLID	399	X	X						
REPT ERR CLK	400	X	X						
REPT ERR HG	401	X	X						
REPT ERR IM	402	X	X						
REPT ERR KEY	403	X	X						
REPT ERR MCH	404	X	X						
REPT ERR MS	405	X	X						
REPT ERR OFL	406	X	X						
REPT ERR SS	407	X	X						
REPT ERR SSP	408	X	X						
REPT ERR TRL	409	X	X						
REPT ERR UTIL	410	X	X						
REPT GRP	411	X	X						
REPT I-O ERR	412	X	X						
REPT ICT FROM	413	X	X						
REPT IML	415	X	X			X			
REPT INIT TRBL	416	X	X						
REPT JC	418	X	X						
REPT LINE	420	X	X					X	
REPT MAS COMP	423	X	X						
REPT MAS MISMATCH	424	X	X						
REPT MAS TRBL	426	X	X						
REPT MISCA	428	X	X						
REPT MISCT	429	X	X						
REPT MON TRBL	430	X	X						
REPT MULT PC	431	X	X						
REPT MULT RT	432	X	X						
REPT NGC	433	X	X						
REPT NGC ACT	434	X	X						
REPT NW	435	X	X						
REPT NW ANAL	436	X	X						
REPT NWC	438	X	X						
REPT NWC	440	X	X						
REPT NWC	442	X	X						
REPT OA	444	X	X						
REPT OCT FROM	445	X	X						
REPT OFL SW	447	X	X						
REPT PD	448	X	X						

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		C	R		F	B	R	O			
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REPT PPD	450	X	X								
REPT PWR A	451	X	X								
REPT PWR B	452	X	X								
REPT PWR C	454	X	X								
REPT PWR D	455	X	X								
REPT PWR TRBL	456	X	X								
REPT RC DNY	457	X	X								
REPT RT	461	X	X								
REPT RT	462	X	X								
REPT SC	463	X	X								
REPT SCHED BEGIN	464	X	X								
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REPT SCHED INH	466	X	X								
REPT SCHED TRBL	467	X	X								
REPT SCHED TRC	469	X	X								
REPT SM	470	X	X								
REPT SM	471	X	X								
REPT SM	472	X	X								
REPT SM	473	X	X								
REPT STAT CU	474	X	X								
REPT STAT TTYC	475	X	X								
REPT SVC	477	X	X								
REPT SVC GRP	480	X	X								
REPT SYC	481	X	X								
REPT TAPE	482	X	X								
REPT TOLL	483	X	X								
REPT TRBL	484	X	X								
REPT TRBL	485	X	X								
REPT TRBL FLT	487	X	X								
REPT TRBL NIGHTLY	488	X	X								
REPT TRF	492	X	X						X		
REPT TRK	503	X	X								
REPT TRK	505	X	X								
REPT TRK GRP	506	X	X								
REPT TTYC	507	X									
REPT TTYC	509	X									
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REPT TV TC	513	X	X								
REPT WRI ERR	514	X	X								
REPT XSLERR	515	X	X								
RMV ALNK	518	X	X								
RMV BLNK	520	X	X								

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RMV CU	522	X	X								
RMV FUSE	523	X	X								
RMV GRID	525	X	X								
RMV INT	527	X	X								
RMV JC	528	X	X								
RMV LINE	530	X	X					X			
RMV NWC	532	X	X								
RMV OW	534	X	X								
RMV PDG	535	X	X								
RMV PPD	537	X	X								
RMV PWR PCF	539	X	X								
RMV PWR RT	541	X	X								
RMV RT	542	X	X								
RMV SC	544	X	X								
RMV SVC	546	X	X								
RMV TRK	550	X	X	X							
RMV TRK	553	X	X								
RMV TV	554	X	X								
RST ALNK	556	X	X								
RST AMA BACK	557	X									
RST AMA PRIMARY	558	X	X								
RST BLNK	559	X	X								
RST CU COMPL	560	X	X								
RST FUSE	561	X	X								
RST GRID	563	X	X								
RST JC	565	X	X								
RST LINE	566	X	X					X			
RST NWC	568	X	X								
RST PDG	569	X	X								
RST PPD	571	X	X								
RST PWR PCF	572	X	X								
RST PWR RT	573	X	X								
RST RT	574	X	X								
RST SC	575	X	X								
RST SVC	576	X	X								
RST TRK	577	X	X	X							
RST TV	579	X	X								
SCHED OFR	581	X	X	X	X	X	X	X	X	X	X
SET CUT ABT	582	X	X								
SET CUT COMPL	586	X	X								
SET CUT TBL	587	X	X								
SET PRECUT ABT	589	X	X								
SET PRECUT COMPL	592	X	X								

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STOP FLT	595	X X
STOP WRD1 COMPL	596	X X
TAPE INT ERR	597	X X
TAPE OPER ABT	598	X X
TAPE OPER ABT	599	X X
TAPE RCOVRY	600	X X
TAPE RMV	601	X X
TAPEUTIL COMPL	602	X X
TAPEUTIL STOPPED	603	X X
TOCO READY	605	X X
TOCO STOPPED	606	X X
TRF ERR	607	X X X X
TST BB ABT	609	X X
TST LINE	610	X X X
TST LINE	612	X X X
TST LINE	613	X X X
TST LINE START	615	X X X
UPD HASH	617	X X
UPD OMAS	618	X X
UPD OTS	620	X X
UPD OWFILE	621	X X
VER CFN TN	623	X X X X X X X
VER DATE TRNSLN	625	X X
VER FATDEF	626	X X X X X X X
VER HASH	628	X X
VER HASH	629	X X
VER LINE	630	X X X X X X X
VER LSTRIG	631	X X X X X X X
VER LSTTCI	633	X X X X X X X
VER MPTY	635	X X X X X X X
VER MRI	636	X X X X X X X
VER MTL	637	X X X X X X X
VER OE	638	X X X X X X X
VER OW	643	X X
VER OW ERR	644	X X
VER SCN	645	X X X X X X X
VER TWOPTY	647	X X X X X X X

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MAINTENANCE

CHANNEL MANUAL

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The following message page(s) cover the complete group of messages used on the MAINTENANCE (MTC) teletypewriter channel

This page should be attached when the MTCmanual is distributed.

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This manual should be ordered as follows:

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REPT ERR SS	407
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RST PWR PCF	572
RST PWR RT	573
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RST SC	575
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VER FATDEF	626-627
VER HASH	628
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VER LINE	630
VER LSTRIG	631-632
VER LSTTCI	633-634
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VER MTL	637
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MAINTENANCE BACKUP

CHANNEL MANUAL

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The following message page(s) cover the complete group of messages used on the MAINTENANCE BACKUP (MTR) teletypewriter channel

This page should be attached when the MTRmanual is distributed.

Method of Ordering

This manual should be ordered as follows:

OM-3H300-03-AA2-M

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ABT AC	1
ABT LTD	2-5
ABT NW ANAL	6-7
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DGN PPD	107
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DGN RT	109-110
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DGN SC	116
DGN SC	117
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DGN TRK	128-129
DGN TRK	130
DGN TRK	131
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OP OW	248-249
OP OWFILE	250
OP OWFILE STOPPED	251
OP POSTMORT	252-255
OP RT STAT	256
OP SVC	257-258
OP SYC	259-260
OP TDC STAT	261
OP TRK	262-264
OP TTYC	265-266
ORD NW	267
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ORD STOP MSG	272
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OTO ERR	279-281
OTO LAST TN	282
PAGEMON ABT	283
PROG COMPL	284
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REPT AMA MULT	366
REPT AMA PRIMARY	367
REPT AMABUF	368
REPT ANNC TRBL	369
REPT BB	370
REPT BLDG	371
REPT BLNK	372-373
REPT CCT AA	374-375
REPT CCT ERR	376
REPT CCT FAIL	377
REPT CGA	378
REPT CKT TRBL	379-380
REPT CKT TRBL	381-382
REPT CKT TRBL	385-386
REPT CKT TRBL	387
REPT CO BAT	388
REPT CO BAT	389
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REPT CUOPWR	391
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REPT INIT TRBL	416-417
REPT JC	418-419
REPT LINE	420-422
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REPT MAS MISMATCH	424-425
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REPT MON TRBL	430
REPT MULT PC	431
REPT MULT RT	432
REPT NGC	433
REPT NGC ACT	434
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REPT NW ANAL	436-437
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REPT NWC	440-441
REPT NWC	442-443
REPT OA	444
REPT OCT FROM	445-446
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REPT SM	473
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REPT SVC GRP	480
REPT SYC	481
REPT TAPE	482
REPT TOLL	483
REPT TRBL	484
REPT TRBL	485-486
REPT TRBL FLT	487
REPT TRBL NIGHTLY	488-491
REPT TRF	492-502
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REPT TRK GRP	506
REPT TV TC	513
REPT WRI ERR	514
REPT XSLERR	515-517
RMV ALNK	518-519
RMV BLNK	520-521
RMV CU	522
RMV FUSE	523-524
RMV GRID	525-526
RMV INT	527
RMV JC	528-529
RMV LINE	530-531
RMV NWC	532-533
RMV OW	534
RMV PDG	535-536
RMV PPD	537-538
RMV PWR PCF	539-540
RMV PWR RT	541
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RMV SVC	546-549
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RST JC	565
RST LINE	566-567
RST NWC	568
RST PDG	569-570
RST PPD	571
RST PWR PCF	572
RST PWR RT	573
RST RT	574
RST SC	575
RST SVC	576
RST TRK	577-578
RST TV	579-580
SCHED OFR	581
SET CUT ABT	582-585
SET CUT COMPL	586
SET CUT TBL	587-588
SET PRECUT ABT	589-591
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TAPE OPER ABT	598
TAPE OPER ABT	599
TAPE RCOVRY	600
TAPE RMV	601
TAPEUTIL COMPL	602
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TST LINE START	615-616
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VER DATE TRNSLN	625
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VER LSTRIG	631-632
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VER MTL	637
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VER SCN	645-646
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REPAIR SERVICE BUREAU

CHANNEL MANUAL

PAGE INDEX

The following message page(s) cover the complete group of messages used on the REPAIR SERVICE BUREAU (RSB) teletypewriter channel

This page should be attached when the RSBmanual is distributed.

Method of Ordering

This manual should be ordered as follows:

OM-3H300-03-AA3-M

<u>Message</u>	<u>C-Page No.</u>
ABT LTD	2-5
ADM ERR	11-61
ADM PROG	62
AU FILE ERR	67
INIT TTYC	182-183
OFFICE MESSAGE REG	199-200
OFR UTIL	201-202
OP CLK	206
OP DELAY MSG	212-213
OP EXP	217-218
OP FEA	219
OP LINE	227-229
OP MATCH	230
OP MSF	235
OP NW STAT	238-240
OP OFR	242-243
OP OFR CHG	244-245
OP OFR MSG	246-247
OP SVC	257-258
OP TRK	262-264
OP TTYC	265-266
REPT LINE	420-422
RMV LINE	530-531
RST LINE	566-567
SCHED OFR	581
TST LINE	610-611
TST LINE	612
TST LINE	613-614
TST LINE START	615-616
VER CFN TN	623-624
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REPAIR SERVICE BUREAU

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PAGE INDEX (CONTINUED)

<u>Message</u>	<u>C-Page No.</u>
VER LSTTCI	633-634
VER MPTY	635
VER MRI	636
VER MTL	637
VER OE	638-642
VER SCN	645-646
VER TWOPTY	647

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SERVICE ORDER

CHANNEL MANUAL

PAGE INDEX

The following message page(s) cover the complete group of messages used on the SERVICE ORDER (SO) teletypewriter channel

This page should be attached when the SManual is distributed.

Method of Ordering

This manual should be ordered as follows:

OM-3H300-03-AA4-M

<u>Message</u>	<u>C-Page No.</u>
ADM ERR	11-61
ADM PROG	62
AU FILE ERR	67
DGN TRK	127
DGN TRK	128-129
DGN TRK	130
DGN TRK	131
DIST ERR	145-148
INIT TTYC	182-183
OFFICE MESSAGE REG	199-200
OFR UTIL	201-202
OP CLK	206
OP DELAY MSG	212-213
OP EXP	217-218
OP FEA	219
OP LINE	227-229
OP MATCH	230
OP MSF	235
OP NW STAT	238-240
OP OFR	242-243
OP OFR CHG	244-245
OP OFR MSG	246-247
OP SVC	257-258
OP TRK	262-264
OP TTYC	265-266
RC ERR	288-309
RMV TRK	550-552
RST TRK	577-578
SCHED OFR	581
TRF ERR	607-608
VER CFN TN	623-624
VER FATDEF	626-627
VER LINE	630

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SERVICE ORDER

CHANNEL MANUAL

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<u>Message</u>	<u>C-Page No.</u>
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VER LSTTCI	633-634
VER MPTY	635
VER MRI	636
VER MTL	637
VER OE	638-642
VER SCN	645-646
VER TWOPTY	647

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TRAFFIC
CHANNEL MANUAL

PAGE INDEX

The following message page(s) cover the complete group of messages used on the TRAFFIC (TRF) teletypewriter channel

This page should be attached when the TRFmanual is distributed.

Method of Ordering

This manual should be ordered as follows:
OM-3H300-03-AA5-M

<u>Message</u>	<u>C-Page No.</u>
ADM ERR	11-61
ADM PROG	62
AU FILE ERR	67
DIST ERR	145-148
INIT TTYC	182-183
OFFICE MESSAGE REG	199-200
OFR UTIL	201-202
OP CLK	206
OP DELAY MSG	212-213
OP EXP	217-218
OP FEA	219
OP LINE	227-229
OP MATCH	230
OP MSF	235
OP NW STAT	238-240
OP OFR	242-243
OP OFR CHG	244-245
OP OFR MSG	246-247
OP SVC	257-258
OP TRK	262-264
OP TTYC	265-266
RC ERR	288-309
REPT DSP	393
REPT DSP CLR	394
REPT DTB	395
REPT IML	415
REPT TRF	492-502
SCHED OFR	581
TRF ERR	607-608
VER CFN TN	623-624
VER FATDEF	626-627
VER LINE	630
VER LSTRIG	631-632

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TRAFFIC
CHANNEL MANUAL
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<u>Message</u>	<u>C-Page No.</u>
VER LSTTCI	633-634
VER MPTY	635
VER MRI	636
VER MTL	637
VER OE	638-642
VER SCN	645-646
VER TWOPTY	647

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TABLE OF CONTENTS FOR B SECTION OF THE OUTPUT MESSAGE MANUAL

1. Introduction
2. How to use this manual
3. Description of Office Records Output Forms

APPLICATION

1. INTRODUCTION

1.01 This document, the Output Message Manual, describes all output messages that a 3 Switching System can print out on the maintenance teletypewriter (TTY) channel. The messages in the C section of this document include the message formats, explanation, actions to be taken, and supporting information needed by the user in the performance of duties associated with the office.

1.02 All output messages conform to the following message format:

DATA				
PRIORITY OF ACTION	ABBREVIATED TIME	IDENTIFICATION	TERMINATION REPORT	RESULTS

2. HOW TO USE THIS MANUAL

2.01 To determine the desired action to follow, the user should first locate the message in the C section of this document. The message index is provided as a helpful aid for this procedure. The message index will lead to either one message or to a family of messages having the same message index, but differing significantly in the meaning of the message. The desired message in the family can be located by either a keyword in the data field or the lack of a keyword (all data).

2.02 The cause of the message output should be determined from the descriptions shown in the C section of this document. Once this cause is determined, the user should follow procedures in the "Action to be Taken" section accompanying each message.

2.03 A message description may require more than one page because of the amount of variable data described. For these

cases the pages are indexed alike, and a continuation of the message is indicated.

2.04 The reference made to supporting information for each message is by base number. The actual document number may include a dash number indicating the generic for the office. The complete document number is located by referring to the program generic.

2.05 The channel abbreviations (other than MTC and MTR) used in this manual are as follows:

- TRF - Traffic
- SO - Service Order
- RSB - Repair Service Bureau
- OFR - Office Records
- RAO - Regional Accounting Office

2.01 NUMBER CONVERSIONS

2.06 To convert numbers from binary to octal or vice versa, the following procedure can be followed:

- (a) Separate the binary numbers from right to left into groups of threes.
- (b) Convert each group into its octal equivalent according to Table A.

2.07 The 16-bit binary numbers are separated into octal groups as follows:

15	14	12	11	09	08	06	05	03	02	00
----	----	----	----	----	----	----	----	----	----	----

For example: 1001000011110101 Binary numbers
 1 001 000 011 110 101 First: separate
 1 1 0 3 6 5

TABLE A

Binary Octal

000	0
001	1
010	2
011	3
100	4
101	5
110	6
111	7

2.08 To convert an octal number to decimal, use the following algorithm:

$$uvwxyz(\text{base } 8) = z + 8y + 64x + 512w + 4096v + 32768u (\text{base } 10)$$

2.09 To convert BCD digits to binary, use the following table:

TABLE B	
BCD	Binary
0	0000
1	0001
2	0010
3	0011
4	0100
5	0101
6	0110
7	0111
8	1000
9	1001

3. DESCRIPTION OF THE OFFICE RECORD OUTPUT FORMS

The following are samples of the 3 Switching System output records. These records are produced in response to the OP:OFR input message or the SCHED:OFR input message. A brief description of the header is included. For a more detailed description, refer to the corresponding input record as defined in the Translation Guide, 3 Switching Equipment TG-3.

ESS 3100-R

NO. 3 ESS

TN XXX-XXX

BASE & CONTROL
OFFICE

TELEPHONE NUMBER
DATE 10/11/78

	OFFICE EQUIP				EQUIPMENT FEATURES			MLH GROUP					SOFT MSG REG (MR)	S U P L	S U P L	REMARKS (13)
TN	CGCS	L	P	R	L	G	TE	ECEC	EEB	H	T	L	R	R		
EU	OROWSE	T	A	C		SETS	SLSL	SSL		M	E	H	M	T		
LM	NPNGWV	Y	X	C		TLCX	M2F1	LCN		L	R	T	B	I		

TEL NUM - Telephone Number

OFFICE EQUIP - Office Equipment Number

CON GRP - Concentrator Group

CON - Concentrator

SWG - Switch Group

SW - Switch

LEV - Level

PTY - Party Number

RAX - Rate Area

LCC - Line Class Code

EQUIPMENT FEATURES - Equipment Features

GST - Ground Start

EL - Essential Line

TTC - TOUCH-TONE

ESX - Call Waiting

ESM - Call Forwarding

CL2 - Change Speed Calling - Two Digit

ESF - Speed Calling - Two Digit

CL1 - Change Speed Calling - One Digit

ESL - Speed Calling - One Digit

ESC - Three Way Calling

BLN - Special Toll Billing

MLH GROUP - Multi-line Hunt Group

HML - Group Number

TER - Multi-line Hunt Group Terminal Number

LHT - Last Hunt Terminal

RMB - Random Make Busy

RTI - Route Index or Auto Connect Return Telephone Index

SOFT MSG REG (MR) - Software Message Register

SUPPL1 - Supplementary Information, Form 3107-1R

SUPPL2 - Supplementary Information, Form 3107-2R

ESS 3105-R

NO. 3 ESS

(HML) GRP XX

BASE & CONTROL
OFFICEMULTI-LINE HUNTING GROUP TABLE
DATE 01/30/79

GROUP INFORMATION

H I G H M L	H S U I N Z T E	R A X	L C C	EQUIPMENT FEATURES			BILLING NUMBER		N IS GT HO TP	S SH TU ON PT	S C H E D	REMARKS (14)	S S B A	S P A R E S
				G T	CEC	EEB	N	TN						
	EM	UI	R	L	G T	CEC	EEB	N	TN	IS	SH	C		
	SE	NZ	A	C	SET	LSL	SSL	X	EU	HO	ON	E		
	TM	TE	X	C	TLC	2F1	LCN	X	LM	TP	PT	D		

MEMBER INFORMATION

T E R	N X X	TN EU LM	OFFICE EQUIP			EQUIPMENT FEATURES			R M B	S S U U P P L 1	S S U U P P L 2
			CGCS	L	R	L	G T	ECEC	EEB		
			OROWSE	A	C		SET	SLSL	SSL	M	
			NPNGWV	X	C		TLC	M2F1	LCN	B	

GROUP INFORMATION

HML - Multiline Hunting Group Number (MLHG)

HIGHEST MEM - Highest Member Number

HUNT SIZE - Last Hunt Table Terminal Number of the MLHG

RAX - Rate Area

LCC - Line Class Code

EQUIPMENT FEATURES

GST - Ground Start

EL - Essential Line

TTC - TOUCH-TONE

CL2 - Change Speed Calling - Two Digit

ESF - Speed Calling - Two Digit

CL1 - Change Speed Calling - One Digit

ESL - Speed calling - One Digit

ESC - Thrée Way Calling

BLN - Special Toll Billing

BILLING NUMBER

NXX - Office Code

TEL NUM - Telephone Number

NIGHT STOP - Night Stop Terminal

STOP HUNT - Stop Hunt Terminal

SCHED - Traffic Schedule

SSBA - Selection Status Block Address

SPARES - Spare Members

MEMBER INFORMATION

TER - Multi-line Hunt Group Terminal Number

NXX - Office Code

TEL NUM - Telephone Number

OFFICE EQUIP - Office Equipment Number

CON GRP - Concentrator Group

CON - Concentrator

SWG - Switch Group

SW - Switch

LEV - Level

RAX - Rate Area

LCC - Line Class Code

Equipment Features - Equipment Features

GST - Ground Start

EL - Essential Line

TTC - TOUCH-TONE

ESM - Call Forwarding

CL2 - Change Speed Calling - Two Digit

ESF - Speed Calling - Two Digit

CL1 - Change Speed Calling - One Digit

ESL - Speed Calling - One Digit

ESC - Three Way Calling

BLN - Special Toll Billing

RMB - Random Make Busy

SUPPL1 - Supplementary Information, Form 3107-1R

SUPPL2 - Supplementary Information, Form 3107-2R

ESS 3107-1R

NO. 3 ESS

TN XXX-XXXX

BASE & CONTROL
OFFICESUPPLEMENTARY INFORMATION
DATE 10/11/78

	HOT LINE NUMBER				SERIES COMPLETE		DP		DPM				REORDER BUSY (BSY)			BILLING NUMBER BTN/OWATS		
	P R E																	
TN	F	N	N	TN	N	TN	P	R	Y	P	R	P	Y	U	S	R	P	N
EU	I	P	X	EU	X	EU	PP	I	P	PP	I	N	P	S	C	O	N	X
LM	X	A	X	LM	X	LM	DD	P	E	DD	P	T	E	Y	N	W	T	X

TEL NUM - Associated Telephone Number (3100-R)
HOT LINE NUMBER

PREFIX - Prefixing
NPA - Numbering Plan Area
NXX - Terminating Office Code
TEL NUM - Telephone Number of Terminating Station
SERIES COMPLETE - Series Completion

NXX - Office Code
TEL NUM - Telephone Number
DP - Sleeve Lead Peripheral Decoder Point
DPU - Noise Immunity Peripheral Decoder Point

PPD - Peripheral Pulse Distributor
PD - Peripheral Decoder
TRIP - Triplet
TYPE - S = Sleeve Lead (DP)
- N = Noise Immunity Circuit (DPU)
DPM - Message Register Peripheral Decoder Point
DPCN - Coin Line Peripheral Decoder Point

PPD - Peripheral Pulse Distributor
PD - Peripheral Decoder
TRIP - Triplet
PNT - Dial Tone First Coin Line, Point
TYPE - M = Hardware Message Register (DPM)
- C = Coin (DPCN)
REORDER BUSY (BSY) - Reorder or Busy Tone Scan Point

BUSY - Busy Tone
SCN - Scanner
ROW - Row
PNT - Point
BILLING NUMBER BTN/OWATS

NXX - Billing Office Code
TEL NUM - Telephone Number
TYPE - B = Billing Number (BTN)
- O = Outwats Number (OWATS)

ESS 3107-2R

NO. 3 ESS

TN XXX-XXXX

BASE & CONTROL
OFFICESUPPLEMENTARY INFORMATION
DATE 1/05/79

RETURN TEL NUM				C M S N G T				A U T I O M E				N O I P D R M E H T				OTHER FEATURES			
P R E				P D E T L R M T R H T				P D E T L R M T R H T				P D E T L R M T R H T				P D E T L R M T R H T			
TN	F	N	N	TN	C	N	O	I	O	T	O	I	N	E	A	R	L	T	S
EU	I	P	X	EU	L	U	R	A	U	Y	N	B	T	U	S	M	O	I	R
LM	X	A	X	LM	S	M	T	L	T	P	E	K	Y	M	T	L	H	T	C

TEL NUM - Associated Telephone Number (3100-R)

RETURN TEL NUM - Return Telephone Number

PREFIX - Prefixing

NPA - Numbering Plan Area

NXX - Terminating Office Code

TEL NUM - Terminating Station

MSG CLS - Message Class Number

MSG CLASS (TTY)

0 = Maintenance

1 = Back-up Maintenance

2 = Service Order

3 = Traffic

4 = Repair Service Bureau

5 = Office Records

6 = (spare)

7 = (spare)

MSG CLASS (DATALINK)

8 = AMA

9 = AMA Back-up

10 = ROTL Data

11 = (spare)

12 = (spare)

13 = (spare)

14 = (spare)

15 = (spare)

CONT NUM - Controller Number

PORT - TTY Controller Port

AUTO DIAL - Automatic Dialing Option

TIME OUT - Time Out Before Automatic Disconnect of TTY

ENTRY TYPE - Entry Type

TTY Autoconnect

0 = TTY

1 = reserved

2 = reserved

3 = ROTL data

4 = (spare)
5 = (spare)
6 = (spare)
7 = (spare)

NON TTY Autoconnect

8 = LTD
9 = RRA
10 = ROTL security
11 = (spare)
12 = (spare)
13 = (spare)
14 = (spare)
15 = (spare)

NON AUTOCONNECT

32 = TLTP Port 0
33 = TLTP Port 1
34 = FETL Ter 0 (ROTL)
35 = FETL Ter 1 (ROTL)

TONE - Tone

0 = High Tone (no timing)
1 = 2025 HZ (time 30 seconds)
2 = 2275 HZ (time 30 seconds)

NO DIAL BK - No Dial Back
PRIORITY - Priority
MEM NUM - Member Number
RAML - ROTL Automatic Maintenance Limit. (Allows
the trunk maintenance limit to be exceeded from ROTL).
NIGHT DESK - Night Desk
OTHER FEATURES
ROH - Inhibit Receiver Off Hook Tone
PLIT - Prohibit Line Insulation Test
TRC - Trace Alarm Indication (MJ, MN, YES)
YES implies no alarm with TRACE FEATURE.
SS - Special Studies
SOB - Service Observing

ESS 3171-R

NO. 3 ESS

OE XXXXXX

BASE & CONTROL
OFFICE

OFFICE EQUIPMENT NUMBER
DATE 10/11/78

OFFICE EQUIP		LINES AND MLH GROUPS						TRUNKS AND SERVICE CKTS					
		DIRECTORY NUM						EQUIP LOC (EQL)		TRK ORDER CODE (TOC)		SUPV SP	
		PARTY		G	R	L	S					R	P
CGCS L	GRP-MEM	O											
OROWSE		R			S	A	C			C	O	N	
NPNGWV		T	1/3/5/7	2/4/6/8	T	X	C			TFF-B-LL-PP		N	W

OFFICE EQUIP NUM - Office Equipment Number

CON GRP - Concentrator Group

CON - Concentrator

SWG - Switch Group

SW - Switch

LEV - Level

GRP-MEM - Group and Member Number

PORT - Port Identification

LINES AND MLH GROUPS

DIRECTORY NUM - Directory Number (including auto connect trigger numbers)

PARTY 1 PARTY 2

PARTY 3 PARTY 4

PARTY 5 PARTY 6

PARTY 7 PARTY 8

NOTE: There are a maximum of six autoconnect trigger numbers per Office Equipment number. For convenience, each will print in party positions 1 through 6.

GST - Ground Start

RAX - Rate Area

LCC - Line Class Code

NOTE: If the first party's LCC (1,3,5,7) doesn't match the second party's LCC (2,4,6,8) '***' is printed for the LCC. Printing the 3100 will give the correct LCC for each party.

TRUNKS AND SERVICE CKTS

EQUIP LOC (EQL) - Equipment Location

T - Frame Type

FF - Frame Number

B - Bay

LL - Level

PP - Position

TRK ORDER CODE (TOC) - Trunk Order Code

SUPV SP - Supervisory Scan Point

SCN - Scanner

ROW - Row

PNT - Point

ESS 3201-R

NO. 3 ESS

GRP XXX

BASE & CONTROL
OFFICETRUNK ASSIGNMENTS
DATE 10/11/78

OFFICE EQUIP	EQUIPMENT LOCATION (EQL)	P	G	M	C	SCAN POINT (SP)	DIRECTED SCAN (DSP)	DISTRIB TRIPLET (DP)	TRK ORDER CODE (TOC)
CGCS L		O	G	M	CO	S R P	S R P	P	T
OROWSE		R	R	E	KD	C O N	C O N	P P	I
NPNGWV	TFF-B-LL-PP	T	P	M	TE	N W T	N W T	D D	P

OFFICE EQUIP NUM - Office Equipment Number

CON GRP - Concentrator Group

CON - Concentrator

SWG - Switch Group

SW - Switch

LEV - Level

EQUIPMENT LOCATION (EQL) - Equipment Location of Trunk and Service
Circuits. The EQL info is not printed
out on the 3201-R form but is printed
on the 3171-R form.

T - Frame Type

FF - Frame Number

B - Bay

LL - Level

PP - Position

PORT - Port Identification

GRP - Trunk Group Number

MEM - Member Number (TER)

CKT CODE - Circuits Code

SCAN POINT (SP) - Supervisory Scan Point Number

SCN - Scanner

ROW - Row

PNT - Point

DIRECTED SCAN (DSP) - Directed Scan Point Number

SCN - Scanner

ROW - Row

PNT - Point Number

DISTRIB TRIPLET (DP) - Distributor Triplet

PPD - Peripheral Pulse Distributor

PD - Peripheral Decoder

TRIP- Triplet

TRK ORDER CODE (TOC) - Trunk Order Code. TOC information is not
printed out on the 3201-R form but is
printed on the 3171-R.

ESS 3202-1R

NO. 3 ESS

GRP 064

BASE & CONTROL
OFFICETRUNK GROUP
DATE 09/29/78

G R P	T R F	H I G H	S E M C O D E	C O D E	DESCRIPTION	S S B A	S P A R E S
064				SVC CKT	TT CDR		
065				SVC CKT	DP CDR		
066				SVC CKT	MF RCVRS		
067				SVC CKT	MF XMTR		
068				SVC CKT	TRK DP XMTR		
069				SVC CKT	REG RNGR		
070				SVC CKT	SPEC RNGR		
071				SVC CKT	CN CONT CKT		
072							
073							
074							
075							
076							
077				ANNC	LOC OVT/STK CN		
078				ANNC	DTF		
079				ANNC	PERM SIG		

ESS 3202-1R

NO. 3 ESS

GRP 080

BASE & CONTROL
OFFICE

TRUNK GROUP
DATE 10/11/78

G R P	T R F	H I G	C	DESCRIPTION	S S B A	S P A R E S
	S C H	E S E T M	M C O D E			
080				ANNC PART DIAL		
081				ANNC NO 1+ERR		
082				ANNC EXTRA 1+ ERR		
083				ANNC VCA NSN		
084				ANNC CUST CLG ERR		
085				ANNC REMOTE REC ANN		
086						
087						
088						
089						
090						
091				TONE TONE/ANNC TST		
092				TONE ROH		
093				TONE BUSY		
094				TONE HIGH		
095				TONE LOW		

ESS 3202-1R

NO. 3 ESS

GRP 96

BASE & CONTROL
OFFICE

TRUNK GROUP
DATE 10/11/78

G R P	T R F	H I G H	S E M C O K D T E	C	DESCRIPTION	S S B A	S P A R E S
096					TONE CALL WAITING		
097					TONE LP CHK GEN		
098							
099							
100							
101							
102							
103					TONE ROTL		

ESS 3202-1R

NO. 3 ESS

GRP 104

BASE & CONTROL
OFFICETRUNK GROUP
DATE 10/11/78

G R P	T R F S C H	H I G H S E M T	C O D E		DESCRIPTION	S S B A	S P A R E S
104	-	-	-	SVC CKT	3-WAY CONF	-	-
105	-	-	-	-	-	-	-
106	-	-	-	-	-	-	-
107	-	-	-	-	-	-	-
108	-	-	-	-	-	-	-
109	-	-	-	-	-	-	-
110	-	-	-	TST CKT	STA RNGR TST	-	-
111	-	-	-	TST CKT	MISC TST CKT	-	-
112	-	-	-	-	-	-	-
113	-	-	-	-	-	-	-

GRP - Trunk Group Number

TRF SCH - Traffic Schedule

HIGHEST MEM - Highest Member Number

CKT CODE - Circuit Code

SSBA - Selection Status Block Address

SPARES - Spare Members

NO. 3 ESS

TRUNK GROUP
DATE 10/17/78

G R P	S C H E D	H I G H E S T M	T O T A L I D	TRANSLATOR				TRK DIR	2	C O W U I A T N Y	C O K D T E	REMARKS (14)	S S B A	S P A R E S
				1D	3D	4D								
				I	I	I								
				G	G	G								
				C		T								
				L	H									
				TN	SA	C	N							
BU	CS	O	D	I	U	I	A							
LM	RS	E	E	G	T	N	Y							

```

GRP - Trunk Group Number
SCHED - Traffic Schedule
HIGHEST MEM - Highest Member Number
TOTANI IND - Terminal Office Test Access Number Index
TRANSLATOR
    1 DIG - 1 Digit
            TBL NUM - Table Number
    3 DIG - 3 Digit
            SCR CLASS - Trunk Screening Class
    4 DIG - 4 Digit
            CODE - Office Code
            NDE - Number of Digits Expected
            THDIG - Thousands Digit
TRK DIR - Trunk Direction
    OUT - Outgoing Traffic Allowed
    IN - Incoming Traffic Allowed
    2 WAY - 2-way Traffic Allowed
CKT CODE - Circuit Code
SSBA - Selection Status Block Address
SPARES - Spare Members

```

ESS 3204-R

NO. 3 ESS

GRP XXX

BASE & CONTROL
OFFICETRUNK FEATURES
DATE 03/05/79

OUT TRK															2 WAY		INC TRK					NIT	
TRK DIR		S U P	DISC SUP HOLD		TRK TYPE	O U T	L O N G	S T O P	A U D I O	D E L T A	N O I S E	W I N K	W I N K	I N P U T	C H A R T	N O T E	S I G N A L	E B S	I D G N	O T O			
---		---	---		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
2		L	J O C		C T	L	R L	---	L O	A O	P P	G F P	P P	B Y L I N	M D F P	C H A R T	S I G N A L	E B S	I D G N	O T O			
O W		& O	R I S U		R A T S	M D	A O	P P	G F P	P P	G F P	P P	P P	B Y L I N	M D F P	C H A R T	S I G N A L	E B S	I D G N	O T O			
T N Y		M P	G T C T		G A P S	F P	P P	G F P	P P	G F P	P P	P P	P P	B Y L I N	M D F P	C H A R T	S I G N A L	E B S	I D G N	O T O			

GRP - Trunk Group Number

TRK DIR - Trunk Direction.

OUT - Outgoing Traffic Allowed

IN - Incoming Traffic Allowed

2 WAY - 2-way Traffic Allowed

SUP - Type of Trunk Supervision

E&M - E&M

LOOP - Loop

DISC SUP HOLD - Disconnect Supervision

REG - Regular Hold

JOINT - Joint

SVC - Service Hold

CUST - Customer Hold

OUT TRK - Outgoing Trunks

TRK TYPE - Outgoing Trunk Type

REG - Regular

CAMA - Centralized Automatic Message Accounting Center

TSP - Traffic Service Position

TSPS - Traffic Service Position System

OUTPL - Outpulsing

MF - Multifrequency Outpulsing

DP - Dial Pulse Outpulsing

OVERLAP - Overlap Pulsing Permitted

LONG LOOP - Long Loop Pulsing

STOP GO - Stop-Go

AUDIBLE - Audible

START - Start Dial

DELAY - Delay Dial

NO STRT - No Start

WINK 3 - Wink Start (350)

2 WAY - Two Way Trunks

START - Start Dial

DELAY - Delay Dial
NO STRT - No Start
WINK 3 - Wink Start (350)
WINK 10 - Wink Start (1000)

INC TRK - Incoming Trunks
BYLINK - Bylink Trunk
INPUL - Inpulsing
MF - Multifrequency Pulsing
DP - Dial Pulsing
CHARGE - Charge On Free Number
RMT TST - Remote Test Equipment
NO TEST - NO TEST Trunk
SIGNAL - Type of Signaling Required
I - Inband Signaling
E - Expanded Inband Signaling
M - Multiwink Signaling
EBS - Emergency Bureau Service
NIT - Nightly Routine Diagnostic Options
IDGN - Inhibit Diagnostic During Nightly Routine
OTO - Include Office to Office during Nightly Routine

ESS 3209-R

NO. 3 ESS

TBL XX

BASE & CONTROL
OFFICE

ONE DIGIT TRANSLATION
DATE 01/30/79

TN	O	N	TN	N	R	REMARKS (14)
BU	I	D	BU	X	T	
LM	G	E	LM	X	I	

TBL NUM - One Digit Table Number
ODIG - Table Entry Digit .
NDE - Number of Digits
NTBL NUM - Next One Digit Table Number
NXX - Office Code
RTI - Route Index

ESS 3300-R

NO. 3 ESS

DIG XXX

BASE & CONTROL
OFFICE

3 & 6 DIGIT TRANSLATION
DATE 1/30/79

FAT X
NPA XXX

D	C	REMARKS	D	C	REMARKS	D	C	REMARKS	D	C	REMARKS
I	D		I	D		I	D		I	D	
G	I	(7)	G	I	(7)	G	I	(7)	G	I	(7)

DIG - Office or Area Code

CDI - Code Index

REMARKS - Remarks

Recommend use of the following format which utilize
common language notation (BSP-795-100-100).

FORMAT: AAAA XX (7 char ... including blanks)

where: AAAA = city (4 char) or state (2 char)

XX = building, street, or other identifier.

XX is not normally specified if AAAA
is a state.

ESS 3301-R

NO. 3 ESS

SCRTBL XX

BASE & CONTROL
OFFICE

RATE & ROUTE
DATE 10/11/78

SCR XX

S	S					S						S						S																							
C	C					C						C						C																							
R	RC					RC						RC						RC																							
N	NL					NL						NL						NL																							
IT	IA	C		R		IA	C		R			IA	C		R			IA	C		R																				
NB	NS	H		T	T	NS	H		T	T		NS	H		T	T		NS	H		T	T																			
GL	GS	I		I	D	GS	I		I	D		GS	I		I	D		GS	I		I	D																			
																		REMARKS																							
																		(14)																							

SCRNING TBL - Screening Table (SCRTBL)
 SCRNING CLASS - Screening Class (SCR)
 CHI - Charge Index
 RTI - Route Index
 TD - Toll Diversion

ESS 3302-R

NO. 3 ESS

CHI 01

BASE & CONTROL
OFFICECHARGE
DATE 10/11/78

C H I	E T Y P	INIT		OVER TIME		REMARKS (14)
		T	C	T	C	
		I M	H R	I M	H R	
01						FREE
02						WATS BD0 INTRA
03						WATS BD1 INTER
04						WATS BD2 INTER
05						WATS BD3 INTER
06						WATS BD4 INTER
07						WATS BD5 INTER
08						WATS BD6 INTER
09						WATS BD7 INTER
10						WATS BD8 INTRA
11						WATS BD9 INTRA
12						US SEN PR-USP
13						ANSWER SUPV
14						RESERVED
15						TOLL-DETAIL
16						

CHI - Charge Index (preprinted)

ETYP - Entry Type

INIT - Initial Time and Charge

TIM - Initial Time

CHR - Initial Charge

OVERTIME - Overtime Time and Charge

TIM - Overtime Time

CHR - Overtime Charge

ESS 3303-1R

NO. 3 ESS

NOC/RTI 000

BASE & CONTROL
OFFICE

ROUTE INDEX EXPANSION
DATE 04/10/79

N		CUT	OTO		ICP	
O						
C		OVR				
/						
R	N	R	R	N	R	REMARKS (14)
T	X	T	T	P	T	
I	X	I	I	A	I	

NOC/RTI - Route Index

NXX - Office Code

CUTOVR RTI - Cutover Route Index

OTO RTI - Office-to-Office Test Route Index

NPA - Numbering Plan Area

ICP RTI - Default Intercept Route Index

ESS 3303-2R

NO. 3 ESS

RTI 008

BASE & CONTROL
OFFICEROUTE INDEX EXPANSION
DATE 10/11/78

R T I	E T Y P	G R P	OUTPULSING								A L T R T I	H I / F R E E F L O W	REMARKS (14)
			D L T D	CONVERSION									
				PREFIX									
				D 1	D 2	D 3	D 4	D 5	D 6	D 7			
008											REG INCPT-AIS		
009											TBL INCPT-OPR		
010											BLANK NO INCPT		
011											MAN LINE ORIG		
012											CUST CLG ERR		
013											PERMSIG ANNC		
014											PERMSIG TONE		
015											PERMSIG OPR-NC		
016											PERMSIC OPR-CN		
017											PART DIAL ANNC		
018											1 DIG TRNS ERR		
019											AUTO-CONN BUSY		
020											AUTO-CONN HIGH		
021													
022													

RTI - Route Index (preprinted)

ETYP - Entry Type

GRP - Trunk Group

OUTPULSING

DLTD - Digit Deleted

CONVERSION

PREFIX - Prefix Digits

D1 - D3 = Decimal Digits To Be Prefixed

D1 - D7 = used for code conversion
(D5-D7 are optional)

ALT RTI - Alternate Route Index

FREE - Free (not charged)

HI/LOW - High or Low Tone

H = High

L = Low

ESS 3304-R

NO. 3 ESS

CDI XXX

BASE & CONTROL
OFFICE

CODE INDEX
DATE 10/11/78

	E	NORMAL CODE IND			CONFLCT CD IND		S C R					NXT	
		N	P	P	A	O							
C	T	P	1	O	C	C	IT	F	R	P	C		REMARKS (14)
D	Y	C	C	C	D	D	NB	A	T	R	D		
I	P	I	I	I	I	I	GL	T	I	C	I		

CDI - code Index

ETYP - Code Index Entry Type

NORMAL CODE IND - Normal Code Index

NCPI - No Prefix Code Index

P1CI - 1+ Prefix Code Index

P0CI - 0+ Prefix Code Index

CONFLCT CD IND - Conflict Code Index

ACDI - Area Code

OCDI - Office Code Index

SCRNING TBL - Screening Table

FAT - Foreign Area Translator

RTI - Route Index

PRC - Preroute Peg Counter

NXT CDI - Next Code Index

ESS 3306-R

NO. 3 ESS

LCI XXX

BASE & CONTROL
OFFICE

LINE CLASS CODE
DATE 10/11/78

L	C	I	L	P	R	MAJOR CLASS		S	REMARKS (14)	MS CNTS
						O	T			
						R	E			
C	C		T	A	I	R		IA		
I	C		Y	X	G	M		GS		

LCI - Line Class Index

LCC - Line Class Code

PTY - Party Number

RAX - Rate Area

MAJOR CLASS

ORIG - Originating Major Class

TERM - Terminating Major Class

SCRNING CLASS - Screening Class

MS CNTS - Main Station Counts

ESS 3307-R

NO. 3 ESS

CAC XXX

BASE & CONTROL
OFFICE

INT'L DIRECT DISTANCE DIALING
DATE 10/11/78

C	M	M	C	REMARKS (14)
A	N	X	D	
C	D	D	I	
	E	E		

CAC - Country Access Code
MNDE - Minimum Number of Digits Expected
MXDE - Maximum Number of Digits Expected
CDI - Code Index

ESS 3400-R

NO. 3 ESS

TRAF-ITEM XX

BASE & CONTROL
OFFICETRAFFIC SCHEDULE BLOCK TABLE
DATE 10/11/78

I D E N T I F I C A T I O N	START		END		D	T	P	O	P	O	REMARKS (14)
	C,H,		C		E	R	R	N	R	N	
	D,W		SCH		D	F	I	I	I	I	
	SCH		SCH		C	H	T	R	T	A	
T I M E	M		M		A		A		I		
	H		H		T	S	F		N	M	
	I		I		E	C	Q		Q	T	
	N		N		D	H			G		
M E S S A G E	Y		Y		Y	Y	Y	Y	Y	C	
	E		E		N	N	N	N	N	L	
	N		N		S	O	S	O	S	O	
	R		R								

ITEM - Preprinted Reference Number

SCHEDULE - Schedule

START C,H,D,W SCH - Start C,H,D,W Schedule

HR - Hour

MIN - Minutes

END C SCH - End C Schedule

DEDICATED TRF H SCH - Dedicated Traffic TTY H-Schedule

YES - Output H-schedule to dedicated traffic
TTY one hour after the specified starting.NO - Output H-schedule to tape one hour after
the specified starting time. The printing
of the H-schedule is over a non-dedicated
TTY (Autoconnect) and will be printed
at the starting time specified for the
D-schedule.

PRINT Q ON TRAF - Print Q-Schedule On Traffic TTY

PRINT Q ON MAINT - Print Q-Schedule On Maintenance TTY

MSG CLS - Message Class

ESS 3500-1R

NO. 3 ESS

CAP/OPT-ITEM 00

BASE & CONTROL
OFFICE
CAPACITY OR
OPTION

GENERAL INFORMATION
DATE 1/05/79

I T E M	CAP- ACITY OR OPTION			3 X / L 6 A	T Y P E	DESCRIPTION	RANGE
	Y S	E O	N T				
00						1 DIGIT SPEED CALL LISTS	QUANTITY
01						2 DIGIT SPEED CALL LISTS	QUANTITY
02						INHIBIT CUSTOMER SC CHANGE	YES,NO
03						CALL FORWARDING LISTS	QUANTITY
04						HIGHEST 1 DIGIT TABLE	QUANTITY
05				0		3 DIGIT TRANSLATOR	QUANTITY
06				1		6 DIGIT TRANSLATOR	QUANTITY
07				2		6 DIGIT TRANSLATOR	QUANTITY
08				3		6 DIGIT TRANSLATOR	QUANTITY
09						HIGHEST CODE INDEX	QUANTITY
10						HIGHEST SCREENING TABLE	QUANTITY
11						SCREENING CLASSES	QUANTITY
12						HIGHEST ROUTE INDEX	QUANTITY
13						COIN TRIPLETS	QUANTITY

ESS 3500-1R

NO. 3 ESS

CAP/OPT-ITEM 14

BASE & CONTROL
OFFICE
CAPACITY OR
OPTION

GENERAL INFORMATION
DATE 1/05/79

CAP- ACITY OR	3 X / L 6 A
---------------------	-------------------

I T E M	OPTION				DESCRIPTION	RANGE
		Y E S	N O	F A L S E		
14	-	-	-	-	HIGHEST NETWORK	QUANTITY
15	-	-	-	-	TOTAL 1 WORD EXPANSION BLOCKS	NUM BLKS
16	-	-	-	-	TOTAL 2 WORD EXPANSION BLOCKS	NUM BLKS
17	-	-	-	-	TOTAL 4 WORD EXPANSION BLOCKS	NUM BLKS
18	-	-	-	-	32K STORE MODULES	3-8
19	-	-	-	-	128K STORE MODULES	1-2

ESS 3500-1R

NO. 3 ESS

CAP/OPT-ITEM 20

BASE & CONTROL
OFFICE
CAPACITY OR
OPTION

GENERAL INFORMATION
DATE 10/11/78

I T E M	CAP- ACITY OR OPTION		3 X / L 6 A		DESCRIPTION	RANGE
	Y	N	F	T		
	E	S	O	T		
20	-	-	-	-	DIAL PULSE RECEIVER GROUP	YES,NO
21	-	-	-	-	TSPS (0+ CALLS ALLOWED)	YES,NO
22	-	-	-	-	SUPERIMPOSED RINGING	YES,NO
23	-	-	-	-	COIN-130V COLLECT +130V RETURN	YES,NO
24	-	-	-	-	CONTROL UNIT PANELS	YES,NO
25	-	-	-	-	HIGHEST SOFTWARE MR	QUANTITY
26	-	-	-	-	DIAGNOSTIC RATE JUNCTORS	1-5
27	-	-	-	-	DIAGNOSTIC RATE SERVICE TRUNKS	1-5
28	-	-	-	-	DIAGNOSTIC RATE TRUNKS	1-5
29	-	-	-	-	LINE INSUL. TEST RANGE(ALIT)	1,2,4
30	-	-	-	-	LINE INSUL. TEST MODE(ALIT)	1-7
31	-	-	-	-	FIRST LINE CLASS CODE	----
32	-	-	-	-	SECOND LINE CLASS CODE	----
33	-	-	-	-	THIRD LINE CLASS CODE	----
ESS 3500-1R NO. 3 ESS CAP/OPT-ITEM 34						

BASE & CONTROL
OFFICE
CAPACITY OR
OPTION

GENERAL INFORMATION
DATE 10/11/78

CAP- ACITY OR	3 X / L 6 A
---------------------	-------------------

I T E M	OPTION				T Y P E	DESCRIPTION	RANGE
		Y E S	N O	F A L S E			
34	-	-	-	-	-	FOURTH LINE CLASS CODE	----
35	-	-	-	-	-	FIFTH LINE CLASS CODE	----
36	-	-	-	-	-	AMA	YES, NO
37	-	-	-	-	-	HIGHEST TOTANI INDEX	QUANTITY
38	-	-	-	-	-	AUTO-CONNECT LINES	QUANTITY
39	-	-	-	-	-	NUM OF OUTWATS LINES	QUANTITY

ESS 3500-1R

NO. 3 ESS

CAP/OPT-ITEM 40

BASE & CONTROL
OFFICE
CAPACITY OR
OPTION

GENERAL INFORMATION
DATE 1/16/79

I T E M	CAP- ACITY OR OPTION			3 X / L 6 A		DESCRIPTION	RANGE
	Y	N	F	Y	P		
	S	O	T	E			
40	-	-	-	-	-	REVERSE TIP AND RING FOR 911	YES,NO
41	-	-	-	-	-	CFV/SC 2 WORD EXPANSION BLOCKS	NUM BLKS
42	-	-	-	-	-	CFV/SC 4 WORD EXPANSION BLOCKS	NUM BLKS
43	-	-	-	-	-	TOTAL 8 WORD EXPANSION BLOCKS	NUM BLKS
44	-	-	-	-	-	HIGHEST IDDD TABLES	QUANTITY
45	-	-	-	-	-	TYPE ED PACKS FOR MICROSTORE	0-4
46	-	-	-	-	-	RECVR ON-HOOK HIT TIMING ACTVE	YES,NO
47	-	-	-	-	-		
48	-	-	-	-	-	HIGHEST LCC INDEX	QUANTITY

ITEM - Preprinted Reference Number
CAPACITY OR OPTION
3/6 XLA - 3 and 6 Digit Translator
FAT - Foreign Area Translator
TYPE - Type
RANGE - Range

ESS 3500-2R

NO. 3 ESS

TTY/MISC

BASE & CONTROL
OFFICE
OFFICE IDENTIFICATION

GENERAL INFORMATION TABLE
DATE 1/05/79

I T E M	OFFICE I.D.		DESCRIPTION
	---	---	
	NPA		
00			TTY OFFICE IDENT
01			FIRST NPA
02			SECOND NPA
03			THIRD NPA
04			FOURTH NPA
05			AMA TERMINAL IDENT

MISCELLANEOUS OFFICE EQUIPMENT

E T Y P	OFFICE EQUIP	DESCRIPTION

	CGCS L OROWSE NPNGWV	
2		NO TST WIRE EVEN CG
3		NO TST WIRE ODD CG
4		NO TST CKT EVEN CG
5		NO TST CKT ODD CG

EQUIPPED NETWORK FRAMES														M
														S
15	14	13	12	11	10	09	08	07	06	05	04	03	02	01
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
														00
														*

TTY OFFICE IDENTIFICATION

ITEM - Preprinted Reference Number
OFFICE I.D. - TTY Office Identification or
AMA Terminal Identification
NPA - Numbering Plan Area

MISCELLANEOUS OFFICE EQUIPMENT

ETYP - Entry Type
OFFICE EQUIP
CON GRP - Concentrator Group
CON - Concentrator
SWG - Switch Group
SW - Switch
LEV - Level

EQUIPPED NETWORK FRAMES

MS - Master Scanner Frame

ESS 3500-3R

NO. 3 ESS

TTYC X

BASE & CONTROL
OFFICE

GENERAL INFORMATION TABLE
DATE 02/12/79

PORT X

TTY CHANNEL ASSIGNMENTS

				A	H
	M		P	N	M
	S		S	O	I
	G		A	W	S
T	P		R	E	P
T	O		I	R	E
Y	R		T	B	O
C	T		Y	K	R
	S			D	

REMARKS
(14)

TTYC - Teletypewriter Controller Number
PORT - Port
MSG CLS - Controller Message Class
PARITY - Parity
ANSWERBK - Answer-Back
MONITOR - Monitor
HI SPEED - High Speed (1200 baud)

ESS 3501-R

NO. 3 ESS

THDIG XXXX

BASE & CONTROL
OFFICE

OFFICE CODE TABLE
DATE 1/30/79

THDIG			P				
			R				
			E				
	T	H					REMARKS
							(14)
N	D	D	C	C	R		
X	I	I	U	D	T		
X	G	G	T	I	I		

THDIG - Office Code and Thousands Digit

NXX - Office Code

TDIG - Thousands Digit

HDIG - Hundreds Digit

PRECUT - Pre-Cut (per hundreds group)

CDI - Code Index (per thousands group)

RTI - Route Index (per hundreds group)

ESS 3505-R

NO. 3 ESS

TRK/TOTANI XX

BASE & CONTROL
OFFICE

AUTOMATIC TRUNK TEST
DATE 01/24/79

TRUNK MAINTENANCE BILLING NUMBER

N	TN	REMARKS
X	EU	(14)
X	LM	

TEST TYPE & TEST ACCESS NUMBER

		TEST ACCESS NUMBER				REMARKS (14)
		PERM BY OPERATNL		OTHER		
T	A	N	S	Y		
O						
T						
A	A	N	DDDDDDDD	DDDDDDDD	DDDDDDDD	
N	P	P	1234567	1234567	N 1234567	
I	T	A			C	

TRUNK MAINTENANCE BILLING NUMBER

NXX - Office code

TEL NUM - Station Number

TEST TYPE & TEST ACCESS NUMBER

TOTANI - Terminal Office Test Access Number Index

APT - Automatic Progression Test

TEST ACCESS NUMBER

NPA - Numbering Plan Area

PERM BY - Permanent Busy

OPERATNL - Operational

SYNC - Synchronous Operation Test

OTHER - Other (future use)

ESS 3506-R

NO. 3 ESS

SP XX XX XX

BASE & CONTROL
OFFICE

ALARM MONITOR DATA
DATE 02/12/79

			ALARM TYPE							NOR		A
SP			C			M	M	A	M	A		C
			R			A	I	J	N	R		T
			I			J	N			M		I
			T					F	F		C	V
			I							O	L	E
			C	M	M	P	P	U	U	C	P	R
			A	A	I	W	W	S	S	K	E	I
			L	J	N	R	R	E	E	T	N	P
											E	T

REMARKS
(14)

SP - Scan Point

SCN - Scanner

ROW - Row

PNT - Point

ALARM TYPE

CRITICAL - Critical Alarm

MAJ - Major Alarm

MIN - Minor Alarm

MAJ PWR - Major Power Alarm

MIN PWR - Minor Power Alarm

MAJ FUSE - Major Fuse Alarm

MIN FUSE - Minor Fuse Alarm

ALRM CKT - Alarm Circuit Alarm

NOR - Normal Circuit State

OPEN - Ferrod Unsaturated

CLOSE - Ferrod Saturated

USER ID - User Identification Number

ACTIVE PT - Active Scan Point

ESS 3576-R

NO. 3 ESS

SP XX XX XX

BASE & CONTROL
OFFICEUNIVERSAL SCAN POINTS
DATE 01/30/79

SP						OFFICE EQUIP NUM	SUPV SPN	1ST TONE SPN	MS PER	
S	R	P	T	S						S R
C	O	N	P	E	G	CGCS L	S R P	S R P		C A
N	W	T	E	Y	P	OROWSE	C O N	C O N	SPN	A T
						NPNGWV	N W T	N W T		N E

SP - Scan Point

SCN - Scanner

ROW - Row

PNT - Point

TYPE - Type

0 = unassigned

1 = Supv SPN for TRK and SVC (single OE)

2 = supv SPN for SVC (two OE's)

3 = Tone present SPN entry

4 = directed SPN entry

5 = PBX key SPN entry

6 = Key SPN entry

SKEY - Scan Point Key Number

1-7 = random make busy keys

8 = night stop

9 = stop hunt

GRP - Group Number

TER - Member Number

OFFICE EQUIP NUM - Office Equipment Number

CONC GRP - Concentrator Group

CON - Concentrator

SWG - Switch Group

SW - Switch

LEV - Level

SUPV SPN - Supervisory Scan Point

SCN - Scanner

ROW - Row

PNT - Point

1ST TONE SPN - First Tone Scan Point

SCN - Scanner

ROW - Row

PNT - Point

MS PER SPN - Main Stations Per SPN

SCAN RATE - Scan Rate

BYL - Bylink or operator (based on Scan List MTI)

OPR - Operator (based on Scan List MTI)

SLO - Slow (based on Scan List MTI)

RCV - Receiver (controlled by software)

ESS 3890-R

NO. 3 ESS

CODE XXX

BASE & CONTROL
OFFICE

UNASSIGNED TELEPHONE NUMBERS
DATE 02/23/79

TEL NUM	TYPE	REMARKS (FROM 3100-R)
---------	------	--------------------------

CODE - Office Code

TEL NUM - Single Telephone Number (xxxx) or range of station
numbers (xxxx-xxxx).

TYPE - Type of unassignment:

NVR ASGN - Never assigned in this office

UNAS - (unassigned)

INTCP - Intercept (TMAJ = 28)

SPEC - Special Routing (TMAJ = 31)

REMARKS - (If Any)

VAC - Vacant

RD - Resident Disconnect

BD - Business Disconnect

RC - Residence Change

BC - Business Change

DNA - Do Not Assign

PLA - Plant Assignment

NP - Non-Publish

MAN - Manual

ICP - Intercept

DLL - Dial Long Lines

PC - Public Coin

SPC - Semi-Public Coin

RSV - Reserve

* - Remarks are on tape (see remark for TN on 3100-R)

3.01 The date following the remark is either the date of
the disconnect or the first time a remark was entered for
the TN by recent change.

ESS 3891-R

NO. 3 ESS

MS COUNTS

BASE & CONTROL 9992J0
OFFICE ANYTOWN

MAIN STATION COUNTS
DATE 8/29/79

TNR xxxxxxxx

!
COUNT! TYPE
-----+-----

COUNT

The decimal counter contents corresponding to the specified TYPE label on each counter.

TYPE

The following main station counts are made by scanning both the originating and terminating translators in an office. The counts can be limited by the input keyword TNR to a range of telephone numbers. If that is done none of the counts which are made via the OE (only) are made.

AUTO

A count of every telephone number that has automatic dialup option to the RTN

BLN

A count of every telephone number that has special toll billing.

BTN

A count of every telephone number that has a bill to number different than the telephone number.

BSY

A count of every telephone number that has an associated scan point number and receives busy instead of reorder when the scan point is set.

CLS

A count of every telephone number that has a message Class associated with it. Used only on auto connect lines.

CSL1 A count of every telephone number that can change its 1 digit speed call list.

CSL2 A count of every telephone number that can change its 2 digit speed call list.

DP A count of every telephone number that uses a distributor triplet to provide a sleeve lead function.

DPCN A count of every telephone number that uses a distributor triplet for coin line circuit.

DPM A count of every telephone number that uses a distributor triplet for message register.

DPU A count of every telephone number that uses a distributor triplet for noise immunity line circuit.

EL A count of every telephone number that is marked as an essential line.

ESC A count of every telephone number that has three way calling.

ESF A count of every telephone number that has 2 digit speed call.

ESL A count of every telephone number that has 1 digit speed call.

ESM A count of every telephone number that has call forwarding.

ESX A count of every telephone number that has call waiting.

ETYP A count of every telephone number that has ETYP associated with it. Used only on autoconnect lines.

GST A count of every telephone number that is marked as ground start

HLN A count of every telephone number that has a hot line number.

HML A count of every telephone number that is assigned to a PBX/MLHG.

MR A count of every telephone number that has a software message register.

NDB A count of every telephone number that has "no dial back". Used only on autoconnect.

NIGHT A count of every telephone number that specifies that the local test desk is to be called.

PLIT A count of every telephone number which has the prohibit line installation test feature.

PORT A count of every telephone number that has a TTY port number associated with it. Used only on autoconnect lines.

PRIOR A count of every telephone number that has any non-zero priority. To be used only on autoconnect lines (not currently used).

PTY A count of every telephone number that has a party number 1 - 8.

RAML A count of every telephone number that says ROTL can remove trunks beyond service circuit limit.

ROH A count of every telephone number that has Inhibit Receiver Off Hook tone.

RTI A count of every telephone number that has a route index.

RTN A count of every telephone number that has a return telephone number which will be automatically called by No. 3 ESS to establish a connection to an associated TTY channel. Used only on autoconnect lines.

SER A count of every telephone number that has a series completion number.

SOB A count of every telephone number that has the service observing feature.

SPN A count of every telephone number that has associated scan point numbers. Only PBX/MLHG lines with random make busy keys have scan points.

SS A count of every telephone number that has special studies feature.

TER A count of every telephone number that is a member of a LTD trunk group or a PBX/MLHG.

TO A count of every telephone number that has time out. Only used on autoconnect lines.

STONE A count of every telephone number that has carrier tone associated with it. Only used on autoconnect lines.

TRC A count of every telephone number that has trace active.

TTC A count of every telephone number that is defined as Touch-Tone.

TTYC A count of every telephone number that has a TTY controller associated with it. Used only on autoconnect lines.

WATS A count of every telephone number that has a WATS billing number.

SPC RNGR

A count of every telephone number that requires a special ringer. The use of any special ringers in the office is controlled by the office option bit (see RC:OFFICE). If an office uses special ringers, then all lines defined as 4 or 8 party terminating are counted as using them. Note some lines with enhanced ringing have 4 party terminating major classes and are also counted as using special ringers when they are available. All other lines that have terminating service are then counted as using regular ringers. If an office does not use special ringers then all lines with terminating service are counted as using regular ringers.

WK MAIN

Working main stations count (i. e., those TNs defined as "working - not suspended" exempting "TN NO OE" category below.) Note suspended lines are lines which have both denied origination and termination.

TN NO OE

A count of assigned telephone numbers not associated with an OE (as on a route index). Only entries actually found in a hundreds group translator are counted.

THE FOLLOWING COUNTS ARE MADE VIA THE ORIGINATING TRANSLATOR AND ARE NOT PRINTED IF THE KEYWORD "TNR" WAS USED ON THE INPUT REQUEST TYPE IN.

WK LINE

Working line count (i. e., those OEs defined as working customer terminals, not suspended). Counted if at least one party is working on a multi party line. Note suspended lines are lines which have both denied origination and termination.

WK TERM

Working terminals (OE) count (not including suspended main stations but including trunks, service circuits and no test OE's). Note suspended lines are lines which have both denied origination and termination.

2PTY OE

A count of every OE assigned to 2 party lines in the office.

2PTY 1

A count of party number 1 assigned to a 2 party OE.

2PTY 2

A count of party number 2 assigned to a 2 party OE.

4PTY OE

A count of every OE assigned to 4 party lines in the office.

4PTY 1

A count of party number 1 assigned to a 4 party OE.

4PTY 2

A count of party number 2 assigned to a 4 party OE.

4PTY 3

A count of party number 3 assigned to a 4 party OE.

- 4PTY 4
A count of party number 4 assigned to a 4 party OE.
- 8PTY OE
A count of every OE assigned to 8 party lines in the office.
- 8PTY 1
A count of party number 1 assigned to an 8 party OE.
- 8PTY 2
A count of party number 2 assigned to an 8 party OE.
- 8PTY 3
A count of party number 3 assigned to an 8 party OE.
- 8PTY 4
A count of party number 4 assigned to an 8 party OE.
- 8PTY 5
A count of party number 5 assigned to an 8 party OE.
- 8PTY 6
A count of party number 6 assigned to an 8 party OE.
- 8PTY 7
A count of party number 7 assigned to an 8 party OE.
- 8PTY 8
A count of party number 8 assigned to an 8 party OE.

ABT AC

ABT AC

1. OUTPUT MESSAGE FORMAT

tt ABT AC a

2. EXPLANATION OF MESSAGE

An auto-connect attempt has been aborted. The callback number was tried twice, and no data set carrier was obtained. Normally a REPT STAT TTYC message will follow indicating the final status of the TTY controller involved in the auto-connect.

3. EXPLANATION OF VARIABLE FIELD

a is the message class

4. ACTION TO BE TAKEN

No immediate action is required. If this message occurs frequently, there may be a fault in the TTY controller, the ESS data set, the auto-connect line circuit, or the remote terminal.

5. REFERENCES

PR-3H250-02 ACPORT - AUTOCONNECT PORT CONTROL PROGRAM
PR-3H259-02 TTYMAP - TTY MESSAGE ADMINISTRATION PROGRAM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt ABT LTD code 000000

2. EXPLANATION OF MESSAGE

The ABort Local Test Desk message indicates that the LTD was disconnected due to an error condition which would interfere with the test procedures of the LTD.

3. EXPLANATION OF VARIABLE FIELD

code - Is the error condition code that describes the reason for disconnecting the LTD.

The error codes: 0 - 20 indicate peripheral failures,
100 - 400 indicate translation failures.

The error codes are as follow:

- 0 - Distribute order to put the incoming LTD trunk in the sleeve lead bypass state failed.
- 1 - Peripheral failure occurred in disconnecting to restore the line under test to idle.
- 2 - Peripheral failure occurred in disconnecting to restore the line under test to out of service.
- 3 - Peripheral failure occurred in disconnecting to restore the line under test to permanent signal(haw).
- 4 - Peripheral failure occurred in disconnecting the original test path to set up for the touch-tone test.
- 5 - Peripheral failure occurred in connecting the B half of the touch-tone test path.
- 6 - Peripheral failure occurred in disconnecting the A half of the touch-tone test path.
- 7 - Peripheral failure occurred in disconnecting the B half of the touch-tone test path.
- 8 - Peripheral failure occurred in reconnecting the original test path to the line under test.
- 9 - Peripheral failure occurred in closing the cutoff crosspoint on the line under test.
- 10 - Peripheral failure occurred in opening the cutoff crosspoint on the line under test.

SEE PROPRIETARY NOTICE ON COVER PAGE

- 11 - Peripheral failure occurred in disconnecting a no-test(monitor) connection.
 - 12 - Distribute order failed putting the incoming LTD trunk in the test state from the dial tone state.
 - 13 - Distribute order failed to put the test path junctor in the bypass state.
 - 14 - Distribute order failed putting the incoming LTD trunk in the test state after a KP release was received.
 - 15 - An autoconnect timeout occurred.
 - 16 - Distribute order failed trying to start disconnect of an autoconnected LTD by operating the disconnect applique.
 - 20 - Distribute order failed trying to idle the disconnect applique.
 - 100 - No valid direct scan point(SPN) was found for this incoming LTD trunk.
 - 200 - No valid sleeve lead DTA found for this remote testing circuit far-end.
 - 300 - Unable to get the supervisory SPN for this incoming LTD trunk.
 - 400 - Unable to get the group and member number for this incoming LTD trunk.
 - 500 - An unassigned terminal was found in the line subtranslator for the line to be tested.
 - 600 - An undefined TEN or the TEN of a trunk or service circuit was encountered for the line to be tested.
- oooooo - Is a binary number containing a group and member number(GMN) or a terminal equipment number(TEN) or a distributor triplet address(DTA) pointing to the circuit involved in the error.
- For error code:
- 100 - a GMN is given for the incoming LTD trunk.
 - 200 - a TEN is given for the remote testing circuit far-end.
 - 300 - a TEN is given for the incoming LTD trunk.
 - 400 - a TEN is given for the incoming LTD trunk.
 - 500 - a TEN is given for the line to be tested.
 - 600 - a TEN is given for the line to be tested.
 - 0-15 - a DTA is given for the incoming LTD trunk.
 - 16-20 - a DTA is given for the disconnect applique.

If the no. is a: GMN then bits(7-0) = group number
bits(14-8) = member number
TEN then bits(2-0) = input level
bits(5-3) = input switch
bits(6) = concentrator
bits(8-7) = input sw. group
bits(12-9) = conc. group
DTA then bits(7-0) = periph decoder
bits(8) = control frame
bits(10-9) = triplet

4. ACTION TO BE TAKEN

- 1) For any translation error, verify all necessary translations needed for the type of LTD arrangement involved.
- 2) For any distribute error, check out the DTA and the peripheral decoder board involved before reconnecting the LTD.
- 3) If the error is a peripheral failure, no specific action can be taken. However, if the error persists, notify the SCC.
- 4) If the error code is a 20, the remote testing circuit far-end is in an undesired state and an autoconnect cannot be made until the disconnect applique has been idled. Also see number 2 above.
- 5) If the error code is a 15, the autoconnect timeout could have occurred for one of two reasons:
 - a) The autoconnected facility could have been a noisy connection which would cause the loss of signals from the LTD to the remote testing circuit far-end. Verify that signals are being received by the remote testing circuit far-end and the pilot pulse detector applique.
 - b) The pilot pulse detector, of the non-dedicated LTD option: SD-3H911-01, could have failed a distribute order trying to reset to accept another pilot pulse from the remote testing circuit far-end. See number 2 above.

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ABT LTD

ABT LTD

- 6) If the error code is a 500 or 600, verify all translations for both the TEN and TN of the line to be tested.

5. REFERENCES

LTDH	PR-3H311-02
TEST FRAME	SD-3H520-01
INC LTD TRK	CPS-FB519
STATION RNGR	CPS-FB521
REMOTE TSTG CKT	SD-99311-01
DIST POINT APLQ	SD-3H911-01
TEST DESK ARG1	BSP-233-190-031
LTD TEST PRCDR	BSP-662-572-500

ALM=0 CHL=MTC,MTR,RSB

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OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C5

1. OUTPUT MESSAGE FORMAT

A tt ABT NW ANAL code xxxxxx yyyyyy zzzzzz

2. EXPLANATION OF MESSAGE

Indicates that the Network Pattern Analysis has been aborted.

3. EXPLANATION OF VARIABLE FIELD

code - Error return codes 0 to 70 indicate why the analysis was aborted.

- 0 - abort entry into the MSF
- 1 - control complex not known
- 3 - control bits inconsistent in NWAN_CL1
- 5 - interrupt counter exceeded limits

10 - 14 maintainance network order failed

- 10 - inhibit pulser
- 11 - word 1 transmit
- 12 - word 2 transmit
- 13 - word 3 transmit or receive
- 14 - enable pulser

20 - group check data not obtained from either controller, unable to run analysis.

30 - DWN_ROOT recursive depth exceeded limit

50-56 CHK_TREE error branches (see NWCEA program)

60 - tried to increment 'root' to non-equipped portion of the network.

61 - tried to increment 'root' beyond a leaf.

70 - vector marks don't match in EXOPATOR.

xxxxxx - word 0 of NWAN_CL1
yyyyyy - word 1 of NWAN_CL1

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ABT NW ANAL

ABT NW ANAL

zzzzzz - word 2 of NWAN_CL1

4. ACTION TO BE TAKEN

see PK-3H301

5. REFERENCES

PR-3H219 - NWCEA - Network Pattern Analysis

PK-3H301 - Network Trouble-Shooting Manual

BSP-233-153-145 - Remreed Network Fault Isolation Utilities

ALM=5 CHL=MTC,MTR

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OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C7

1. OUTPUT MESSAGE FORMAT

tt ABT RROANN code

2. EXPLANATION OF MESSAGE

The Remote Recorded Overload ANNouncement program has been aborted. the operation of this program is most likely to happen during a system overload for which the overload announcement is needed. Service circuit availability and software limitations such as accessing of an idle TCR, during overload, may therefore present a problem in establishing a talkpath from the No. 3 ESS office to the remote location via the Auto-Connect facility. In addition, due to the critical timings involved in the RROANN feature operation, the system overload may also hinder it from executing properly. This message indicates that an error condition exists.

3. EXPLANATION OF VARIABLE FIELD

The "code" field identifies the specific error condition encountered causing the abort to occur. These codes are defined below:

- 0= Retry counter for Auto-Connect has zeroed. No idle TCRs are available. Probably due to office overload.
- 1= RROANN TCR has timed out before Auto-Connect called subroutine ANN_RNIT. Probably due to office overload.
- 2= Stable TMR could not be found and the Auto-Connect TCR has been lost. Most likely all trunks busy or no path available.
- 3= The RROANN TCR has timed out before Auto-Connect selected its own idle TCR. Probably due to office overload.
- 4= RROANN attempt to select an idle TCR during subroutine ANN_RNIT was unsuccessful. Probably due to office overload.
- 5= Some catastrophic problem has occurred within the Auto-Connect routines.
- 6= Erase Mode failure, timeout has occurred before the record scan point saturated. Probable announcement circuit malfunction. A circuit diagnostic should be

ABT RROANN

ABT RROANN

performed.

4. ACTION TO BE TAKEN

No immediate action is required. If however, the overload announcement is at this time, in need of change, the remote craftperson should initiate the sequence once again by dialing the No. 3 ESS trigger number for Auto-Connect.

5. REFERENCES

PR-3H250-02 ACPORT - Auto-Connect Port Control program
PR-3H197-02 RROANN - Remote Recorded Overload Announcement

ALM=0 CHL=MTC,MTR

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ACT OW

ACT OW

1. OUTPUT MESSAGE FORMAT

tt ACT OW ww

2. EXPLANATION OF MESSAGE

Response to an ACT:OW input message.

3. EXPLANATION OF VARIABLE FIELD

ww = COMPL - The activation has completed.
ww = STOPPED - The activation has failed. The failure occurred for one of the following reasons:
- The overwrite status is dead or already active.
- The overwrite does not exist in the overwrite file.
- Attempted to activate a translation overwrite. (May be overridden by the UCL action option.)
- The tape handler could not open the PATCH file.
- The tape handler could not service the current tape operation.

4. ACTION TO BE TAKEN

If tape error messages preceded the STOPPED response, they should be consulted first to identify the particular tape trouble. Otherwise, verify the overwrite number and status to determine the reason for failure.

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

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ADM ERR

ADM ERR

1. OUTPUT MESSAGE FORMAT

tt ADM ERR nnnn

OR

tt ADM ERR nnnn kw

OR

tt ADM ERR nnnn kw xxxx

2. EXPLANATION OF MESSAGE

This message is an error code in response to a distribute (allocation), office record, output (tape), recent change, traffic, or verify input message.

The error was encountered on a previous input message. The reason for the error is given below. These error numbers are a collection of all the error numbers association with the administration of translations data.

3. EXPLANATION OF VARIABLE FIELD

nnnn = error number. Individual definitions follow.
kw = KEYWORD is an optional parameter on the message.
KW is a keyword that can be associated with the error number.
xxxx = can be a variable number.
The number is associated with the keyword inputted from the message in error.
This field is explained in the error number descriptions that use it; there may be one or more variables.

0000 =

Default error code.

1000 =

Dictionary code is not NEW, CHG, or OUT.

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ADM ERR

1001 =

A vacant Translation Entry is required for this KEYWORD and the entry has been found to be assigned.

1002 =

An assigned Translation Entry is required for this KEYWORD and the entry has been found to be vacant.

1010 =

Required keyword not received.

1011 =

Incorrect keyword data.

1012 =

Invalid keyword.

1013 =

'NO' is not allowed for this keyword.

1014 =

Keyword has an out of range subfield.

1015 =

Keyword data is out of range.

1016 =

Translation entry does not exist.

1017 =

Invalid combination of Keywords or unable to determine the Recent Change from the Keywords specified.

1018 =

Requires exactly one keyword. Either none or more than one keyword has been specified.

1050 =

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OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C12

Repeat later, the line or circuit is busy.

1075 =

If the RMK keyword was specified, this message is being used to modify the remark associated with a telephone number, and the keywords RMK and TN must be the only two keywords specified.

1100 =

Error in attempting to write into the on-line store.
See following RC DNY message.

1101 =

Error in attempting to write into the off-line store.

1102 =

Off-line store is not accessible.

1103 =

Some system function is already in progress which must deny all recent change activity. When the functions are complete the recent change may be inputted. Currently these functions include: OFF-LINE BOOT and OP:DATA.

1104 =

At least one Recent Change (TTY-inputted or customer-dialed) resulted in a write error into the ON-LINE and it was not possible to recover by switching CUs. To avoid potentially writing bad info into the ON-LINE CU, further Recent Changes (TTY or CUSTOMER) will be denied until the system returns to the NORMAL state. EXCEPTION: Recent Changes (TTY or CUSTOMER) will be allowed if the ALW:ADM:UCL message is inputted. The user is cautioned that doing this could result in further contamination of the ON-LINE memory from which it may become necessary to boot in order to recover.

1105 =

Error in attempting to write the tape.

1106 =

A program error has occurred during the RCMATCH. An attempt to recover from the off-line store is made. See

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RC DNY message.

1108 =

Encountered an error in attempting to read the RMK as stored on the tape (subroutine = CKADMERR in program OFR). May be due to out of service tape, addressing out of range, or faulty tape.

1109 =

Encountered an error in attempting to read the TOC and EQL as stored on the tape (subroutine = CKADMERR in program OFR). May be due to out of service tape, addressing out of range, or faulty tape.

1110 =

A TTY Controller cannot be deleted until all of its ports are deactivated.

1111 =

TTYC is 0 or 1 and TYP is NEW. Therefore, the value of the HS keyword, when specified, must be NO.

1112 =

TTYC is 2 or 3 and TYP is NEW. Therefore, the value of the HS keyword, when specified, must be YES.

1113 =

TTYC is 0, 1, 2 or 3 and TYP is CHG. The HS keyword is not allowed since the High Speed designation should never change for these four TTY Controllers.

1114 =

The High Speed bit in translations for the TTYC given is not the value that it should be. Repeat the Recent Change message, but this time include the HS keyword and its appropriate value. HS YES must be specified at least once for each TTYC requiring High Speed capability. This can be done when indicating any ONE of the equipped ports.

1120 =

Back office data or past office data is in progress.

1130 =

Unable to obtain remark (RMK) for this entry.

1131 =

A translation error was caused when attempting to process the RMK keyword. (Subroutines = RK_SETUP, RK_ERR)

1132 =

A tape error (tape out of service, tape hardware trouble, bad data on tape, or out of range) occurred while trying to process the RMK keyword. (Subroutines = RK_SETUP, RK_ERR)

1133 =

This error occurred while attempting to process the RMK keyword. This error should never have occurred. More than likely this has occurred due to a program bug (consult PECC). (Subroutines = RK_SETUP, RK_ERR)

1134 =

The RMK keyword is conditionally allowed for this message. The conditions were not met, hence the RMK was not accepted. See IM 3H300-03. (Subroutines = RK_SETUP, RK_ERR)

1135 =

The user is attempting to store a RMK outside the range allowed. Only 90 different hundred groups are allowed to have remarks. (Subroutines = RK_SETUP, RK_ERR)

1136 =

The user is attempting to store more than the allowed number of general remarks. Only 31 general remarks can be stored per hundreds group. See IM 3H300-03 for details. (Subroutines = RK_SETUP, RK_ERR)

1137 =

REMINDER The remark area on tape has been cleared for this entry. Reason: This is one of those few recent change messages that does not use the TYP keyword. Hence, there is no way to know if this is a NEW (i.e., first time) or a CHG request. For safety it is treated

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as a first time request. Thus the remark area is cleared from tape when the RMK keyword is not specified. Specifying the RMK keyword explicitly will prevent this error message from printing. See IM 3H300-03 for description of RMK keyword. (Subroutines = RK_SETUP, RK_ERR).

1138 =

Unable to access the remarks on tape due to inconsistent hundred group assigned on subfile = DNRMKS (file=OFR3). Either word 0 (NXX right justified in BCD) or word 1 (XX=station number of stored hundred group in BCD) is zero. Normally word 0 and word 1 should both be zero (unassigned) or both be non-zero (assigned).

1139 =

Unable to access the remarks on tape due to conflict in hundred group assignment between subfile=DNRMKS and subfile=DNCV90 (file=OFR3). The PACK TN of the hundreds group stored on DNCV90 disagrees with the hundred group of the TN STORED IN BCD in word 0 and word 1 of the appropriate area in DNRMKS.

1140 =

Unable to store (RMK) remark on to the tape.

1141 =

Unable to read (RMK) remark off of the tape.

1200 =

When verifying the traffic C schedule, the stopping time was not found.

1201 =

When verifying the traffic H schedule, an hour was scheduled to start on the hour and on the half hour which is not allowed.

1202 =

This traffic H schedule does not end 1 hour later.

1203 =

When verifying the group and member number, the PBX

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group number is out of range or untranslatable.
(Subroutine GRPX).

1204 =

When verifying the group and member number, the TEN for this PBX number is 0=invalid, 1=unassigned line SPN, or 2=Party indicated is unassigned or out of range. (Subroutine GET_TN). Error in form of ERR nnnn x y, where all data is DECIMAL, x=0-2 (as described above) and y=TEN.

1205 =

When verifying the group and member number, the PBX group number in the line subtranslator is not the same as the group number inputted. The TEN from the member list is used to access the line subtranslator entry. Error in form of ERR nnnn x, where all data is DECIMAL and x=group and member number in line subtranslator (stored in scratch).

1206 =

When verifying the group and member number, the PBX member number in the line subxla is not the same as the number inputted. Error in form of ERR nnnn x, where all data is DECIMAL and x=group and member number in line subtranslator (stored in scratch).

1207 =

When verifying the group and member number, the member number is out of range, or cannot obtain member list, or TEN could not be found. (Subroutine CKTLST).

1208 =

When verifying the group and member number, this trunk or service circuit was expected to have a member list format of type (x), yet the first word of the member list has a format type (y). Error in form ERR nnnn x y, where all data is decimal, x=expected format and y=format code found in the member list.

1209 =

When verifying the group and member number, the circuit code in the group table does not match the circuit code in the member list for this trunk/circuit member. Error in form of ERR nnnnx y, where all data is DECIMAL and

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x=CKT CODE from group table, and y=CKT CODE from the member list.

1210 =

When verifying the group and member number, the SCAN point number is an invalid SPN for the scan rate list, or an invalid scan rate is stored in the table. Error in form of ERR nnnn x, where all data is DECIMAL and x=SPN.

1211 =

When verifying the group and member number, the scan rate list does not coincide with the rate indicated by the rate bits in the group tables. Error in form of ERR nnnn x y z, where all data is DECIMAL and x=SPN, y=rate from rate table and z=rate expected. (x or y: 1=No rate assigned, 2=slow scan rate, 3=bylink rate, 4=operator rate, 5=receivers). Rates 1-4 appear in the Scan Rate list. Rate 5 does not -- it is hard-coded and is associated with receiver-type circuits.

1212 =

When verifying the group and member number, this SPN or SVC CKT number does not access a corresponding originating translator entry. Therefore, the group and member number in the originating translator cannot be checked. (Subroutine GETGRP). Error in form of ERR nnnn x, where all data is DECIMAL and x=the SPN or SVC CKT number.

1213 =

When verifying the group and member number, the group number in the originating translations does not match the inputted group number. (Subroutine CK_ORIG). Error in form of ERR nnnn x y, where all data is DECIMAL, x=the SPN or SVC CKT number, and y=the group and member number in the originating translations.

1214 =

When verifying the group and member number, the member number in the originating translations does not match the member number inputted. (Subroutine CK_ORIG). Error in form of ERR nnnn x y, where all data is DECIMAL, x=the SPN or SVC CKT number, and y=the group and member number found in the originating translations.

1215 =

When verifying the group and member number, could not find the NOC given this office code (NXX). (Subroutine NXX_NOC). Error in form of ERR nnnn x, where all data is DECIMAL and x=office code.

1216 =

When verifying the group and member number, do not get a PBX entry in the hundreds group table given this NOC. (Subroutine TXLNPC). Error in form of ERR nnnn x, where all data is DECIMAL and x=the NOC.

1217 =

When verifying the group and member number, the group number in the hundreds group table does not match the inputted group number. (Subroutine GVER_TXL). Error in form of ERR nnnn x, where all data is DECIMAL and x=the first word of the hundreds group table entry.

1218 =

When verifying the group and member number, the member number in the hundreds group table does not match the inputted member number. (Subroutine GVER_TXL). Error in form of ERR nnnn x, where all data is DECIMAL and x=the first word of the entry from the hundreds group table.

1219 =

When verifying the PBX SKEY number, the RMB KEY is present in the member list, but there is no table and entry word present in the group table. Error in form of ERR nnnn x, where all data is DECIMAL and x=the RMB KEY number and TEN.

1220 =

When verifying the PBX KEY number, word 7 of the group table contains data but the exist bit is not set. This could indicate that the recent change to enter the key SPNs for RMB SH and NSH has not yet been entered. If all the key SPNs have been entered (or if this PBX group does not have NSH and/or SH keys), then word 7 has bad data. Error in form of ERR nnnn x, where all data is DECIMAL and x=the table and entry word from the group table.

1221 =

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Cannot verify PBX SKEY number. Either no KEY SPNs stored in the group table expansion, cannot access the universal subtranslator, or the universal subtranslator has no SKEY. (Subroutines KEYSPTBL, EXPAND_XK, EXPAND, and XLT_SPN.) Error in form ERR nnnn x, where all data is DECIMAL and x=table and entry word of group table.

1222 =

SPARE

1223 =

When verifying the PBX SKEY number, no match was found for either the SKEY number or GROUP number in the universal subtranslator, or error in table and entry word (word 7) of the group data. (Subroutine TBLMATCH). Error in form of ERR nnnn x, y, and z, where all data is DECIMAL and x=the universal subtranslator entry built with the inputted SKEY number and GROUP number, y=the KEY SPN from the expansion table, and z=the actual universal subtranslator entry.

1224 =

When verifying the group and member number, the member number is out of range, or cannot obtain the member list, or TEN could not be found, or this is a spare member. (Subroutine MBRDATA error return).

1225 =

When verifying the OE (TEN), the TEN was invalid. (Subroutine OE_ID).

1226 =

When verifying the OE (TEN), this non-line TEN is not the same as the TEN stored in the universal subtranslator. Error in the form ERR nnnn x, y where all data is DECIMAL, x=SUPERVISORY SPN stored in the line subtranslator and y=TEN stored in universal subtranslator.

1227 =

When verifying the OE (TEN), an error was found using the group and member number from the line subtranslator to access information in the group table or member list. (Subroutine VER_GRP). Error in form ERR nnnn x y, where

ADM ERR

ADM ERR

all data is DECIMAL, x=group number and y=member number
(both from the line subtranslator).

1228 =

When verifying the OE (TEN), the non-line TENs SP stored
line subtranslator does not access a universal
subtranslator entry. Cannot verify the TEN.
(Subroutine SPNXLA). Error in the form ERR nnnn x,
where all data is DECIMAL and x=the SP.

1229 =

When verifying the OE (TEN), the CKT CODE (16) stored in
the group data is for a 3-Port CKT, yet the expected
port number of 0, 1, or 2 was not found. (Subroutine OE
ID). Error in form ERR nnnn x, where all data is
DECIMAL and x=port number returned from subroutine OE_ID
and y=CKT CODE number in group data (returned by
subroutine VER_GRP).

1230 =

When verifying the TEN, the member list was altered for
port 1 or port 2. The 3-port TEN inputted does not
match. (Subroutine VER OE). Error in form ERR nnnn x
y, where all data is DECIMAL, x=altered TEN for port 1
or 2 and y=TEN from member list.

1231 =

When verifying the OE (TEN), CKT CODE = 16, but member
list stores a TEN (PORT 0) which has the concentrator
bit set (illegal for PORT 0). Error in form ERR nnnn x,
where all data is DECIMAL and x=TEN (OE) for PORT 0 from
member list.

1232 =

When verifying the OE (TEN), the office code either
cannot be converted to a NOC or is unassigned. This TEN
should be assigned. (Subroutine NXX NOC). Error in
form ERR nnnn x, where all data is DECIMAL and x=Given
Office Code.

1233 =

SPARE

1234 =

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ADM ERR

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When verifying the OE (TEN), the TEN in terminating translations is not the same. Error in form ERR nnnn x, where all data is DECIMAL and x=TEN from terminating translations.

1235 =

When verifying the OE (TEN), the TEN in the member list does not match. (Subroutines VER_OE and VER_GRP). Error in form ERR nnnn x, where all data is DECIMAL and x=TEN in member list.

1236 =

When verifying the OE (TEN), the Group and Member number in the line subtranslator cannot be used to access the TEN, or an error found in verifying the group and member number. (Program VER_GRP found error). Error in form ERR nnn x y, where all data is DECIMAL and x=group number from line subtranslator and y=member number from line subtranslator.

1237 =

When verifying the OE (TEN), a PBX line type was returned. A 1-, 2-, 4-, 8-PTY or Autoconnect should have been returned, given this NOC and station number. (Subroutines OE_ID and TXLNPC conflict). Error in form ERR nnnn x y, where all data is decimal, x=NOC and y=xxxx used as entry to TXLNPC subroutine.

1328 =

When verifying the OE (TEN), the NOC and station number should get terminating data for a 1-, 2-, 4-, 8-PTY or Autoconnect line. Line should not be assigned. (Subroutines OE_ID and TXLNPC conflict).

1329 =

In verifying the OE (TEN), a line subtranslator E-type of 10 or 11 was expected (based on a return of 6 or 7 from subroutine OE_ID to VER_OE). Error in form ERR nnnn x y, where all data is decimal, x=TEN and y=entry type found.

1330 =

In verifying the OE (TEN), the TEN used to access the line subtranslator entry does not obtain a line subxla entry. (Subroutine TENXLA returns an error to

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subroutine VER_OE). Error in form ERR nnnn x, where all data is decimal and x=TEN used.

1331 =

In verifying the OE (01000), an error occurred in one or more translators FETL(x=1), TLTPL(x=2), TUTTL(x=3). OMAJ is incorrect, or TEN is 0 or undefined (error from subroutine VER_OE). Error in form ERR n[x,y,z], where all data is DECIMAL and x=translator error, y=ten, z=OMAJ.

1340 =

The supervisory SPN associated with this entry did not have a valid terminal equipment number stored in the universal subtranslator. (Subroutine TK_TEN)

1341 =

The TEN associated with this circuit was obtained from the universal subtranslator. This TEN could not be used to obtain the SP/DSP information from the originating subtranslator (either the TEN is unassigned or is untranslatable).

1342 =

The SP printed in the error message was expected to be a supervisory SPN for this entry. Instead, the SP was found to be unassigned (y=1), a miscellaneous SP (y=3), or a line SP (y=4). The error message is of the form ERR n x y (all data is DECIMAL). (Subroutine SPNXLA).

1343 =

The SP (x) printed in the error message was expected to be the supervisory SPN for this entry. This SP was found in the universal subtranslator but was not marked with an ID of 1 (one TEN SUPV SP) or an ID of 2 (TWO TEN SUPV SP) as expected. The error is of the form ERR n x (all data is DECIMAL).

1344 =

The SP (x) printed is the supervisory SPN for this entry. Using the GRP and MBR NUMBER stored in the universal subtranslator, an error occurred when trying to retrieve the member list information. The error is in the form ERR n x y, where all data is DECIMAL: (y=1 if MBR list data is not translatable), (y=2 if MBR was a

non-working MBR SPARE).

1345 =

The SP (x) printed is the supervisory SPN for this entry. The GRP and MBR stored in the universal subtranslator was used to access the CKT CODE from the member list. The CKT CODE was found to be out of range. The error is of the form ERR n x (all data is DECIMAL).

1346 =

The SP (x) printed is the supervisory SPN for this entry. Using the group number from the universal subtranslator to obtain the CKT CODE from the member list resulted in an error. The member list has a CKT CODE of 19, yet the group number was not that of a TST group (TST GRP=111). The error is of the form ERR n x (all data is DECIMAL).

1347 =

The SP=x printed is the supervisory SP for this entry. The TEN from the universal subtranslator was used to obtain the first Directed Scan Point (DSP) from the originating subtranslator. The first DSP should be a universal SPN with an ID=4. The first DSP is: unassigned (y=1), a universal SPN whose ID is not=4 (y=2), a miscellaneous SPN (y=3), or a line SPN (y=4). The error is of the form ERR n x y (all data is DECIMAL).

1349 =

The first directed Scan Point Number (obtained from the originating subtranslator for the supervisory SPN (x)) universal subtranslator entry did not point back to the supervisory SPN (x). The error is of the form ERR n x (all data is DECIMAL).

1350 =

The originating subtranslator for the TEN stored for the supervisory SPN (x) contains a directed SPN. However, according to the circuit code in the member list, this circuit does not have any directed SPNs. The error is in the form ERR n x (all data is DECIMAL).

1351 =

The originating subtranslator entry (pointed to by the

universal subtranslator entry for supervisory SPN (x)) did not contain the SPN x. The error is of the form ERR n x (all data is DECIMAL).

1352 =

The originating subtranslator for the TEN stored is for the supervisory SPN (x). However, according to the circuit code in the member list, this circuit should have the first directed SPN stored in the originating subtranslator. The error is of the form ERR nnnn x (all data is DECIMAL).

1353 =

The universal subtranslator entry for supervisory SPN (x) contains a group number between 0-63. It should contain a group number greater than 63. The error is of the form ERR n x (all data is DECIMAL).

1354 =

The supervisory SP is for a 2-port circuit. The TEN stored in the universal subtranslator is for port 0. The port 1 TEN is obtained by complementing the CONC of the port 0 TEN. The resulting port 1 TEN: is unassigned, is untranslatable, or the SPN (or SSP flag) stored in the originating subtranslator for port 0 did not match that for port 1.

1355 =

This is a Tone Presents Scan Point (TPSP). The corresponding supervisory SP is $SP = TPSP + 4$. The supervisory SP exists in the universal subtranslator and points to the originating translator as is appropriate. However, the originating translation entry contains a supervisory SP instead of the first Tone SPN (the first Tone SP is considered the first directed SP).

1356 =

This is a Tone Presents Scan Point (TPSP). The supervisory SP corresponding to this TPSP is $SP = TPSP + 4$. The originating subtranslator pointed to by the supervisory SP contains a directed SPN (DSP) as is appropriate. However, the DSP stored in the originating subtranslator should be identical to the first Tone Scan Point stored in the universal subtranslator for the TPSP, but it is not.

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1357 =

This is a Tone Presents Scan Point (TPSP). The universal entry for the TPSP should contain the first Tone SPN. This Tone Scan Point is either unassigned (x=0), a miscellaneous SPN (x=1), or a line SPN (x=3). The Tone SPN should be a universal SPN. The error is in the form ERR n x (all data is DECIMAL).

1358 =

This is a Tone Presents Scan Point (TPSP). The supervisory SPN is obtained by adding: supervisory SP = TPSP+4. The supervisory SP universal entry contains the TEN as is appropriate. The originating subtranslator for the TEN contained a SPN that should be the first Tone Scan Point (directed SPN). However, either the universal ID entry for the first Tone SP was not a 4, or the SPN contained did not equal (TPSP+4).

1359 =

The SP=x printed is a supervisory SPN for this entry. The group number from the universal subtranslator was used to obtain the CKT Code from the MBR list. The CKT Code indicates this CKT has a Tone Presents SP (TPSP). The TPSP is determined from the relation: TPSP = (supervisory SP-4). The TPSP should be a universal SPN with an ID=3. The TPSP is: unassigned (y=1), does not have an ID of 3 (y=2), a miscellaneous SPN (y=3), or a line SPN (y=4). The error is of the form ERR n x y (all data is DECIMAL).

1360 =

The SP (x) printed is the supervisory SPN for this entry. The group and member stored in the universal subtranslator was used to obtain the supervisory SPN from the member list. The SPN from the member list should be the same as x, but it is not.

1361 =

The SP (x) printed is the supervisory SPN for this entry. This circuit (according to the member list circuit code) should have a Tone Presents SPN (TPSP) that points to the first Tone SPN. Indeed, this appears to be the case. However, the first Tone SPN does not match the first directed SPN (DSP) stored in the originating subtranslator, and it should. The TPSP was determined as follows: TPSP+4 = supervisory SP(x). The

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error is of the form ERR n x (all data is DECIMAL).

1362 =

This entry is a directed SPN (DSP). The supervisory SPN for this DSP points to an originating subtranslator entry as is appropriate. The originating subtranslator contained a supervisory SPN instead of the DSP (the first DSP, if more than one) as expected.

1363 =

This entry is a directed SPN (DSP). The supervisory SPN for this DSP points to an originating subtranslator as is appropriate. The originating subtranslator contains a DSP as it should. The originating subtranslator DSP (x) should be the first DSP (if more than 1) of y assigned. However, the DSP being processed does not fit in the range: first DSP (x) through last DSP (x+y-1). The error is of the form ERR n x y (all data is DECIMAL).

1365 =

This entry is the Nth directed SPN (DSP) out of a total of y DSPs for this circuit. The DSP is printed as x. One of the DSPs was not a universal SPN, did not have an ID=4, or had an ID=4 but the supervisory SPN associated with the Nth DSP did not match the supervisory SP stored for at least one of the y DSPs. The error is of the form ERR n x y (all data is DECIMAL).

1366 =

This entry is for a PBX key scan point. The PBX group stored in the entry corresponds to a valid PBX group. However, the PBX group data does not have a record of this PBX key scan point. The PBX key scan points should be stored in an expansion pointed to by the TABLE and ENTRY in word 7 of the group data.

1367 =

This entry is for one of the ports for the MW and transmission environment test circuit. However, the process of trying to get the supervisory SPN associated with the other port (the port associated with member x) from the member list resulted in failure. Either the member list data is not translatable (subroutine MBRDATA), the member list data is for a non-working member, or the supervisory SPN associated with member x

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does not have a valid universal subtranslator entry.

1368 =

This is a Key Scan Point (KSPN). The universal subtranslator entry has an ID=6. But the number of main stations associated with this KSPN was 0. This KSPN may be associated with lines that are associated with: individual lines requiring the remote make busy feature (excluding PBX remote make busy), mobile radio, 1A concentrator, group alerting, or subscriber loop multiplexer. NOTE: The input message OP:MATCH using keyword SPN can be used to find how many main stations are supposed to be associated with this KSPN.

1369 =

This entry is for a PBX key scan point. The SKEY (x) stored in this entry is out of range. Valid SKEY values are 1-9. The error is of the form ERR n x (all data is DECIMAL).

1370 =

The universal subtranslator entry type is illegal. Error in form ERR nnnn x, where all data is decimal and x=illegal type.

1380 =

In verifying the TN, this nxxx cannot be converted to a NOC or is unassigned. (Subroutine NXX NOC). Error in the form ERR nnnn x, where all data is DECIMAL and x=the office code (nxxx).

1381 =

In verifying the TN, an error occurred in trying to get terminating translations data. Error in form ERR nnnn x, where all data is DECIMAL and x=error code (0=unassigned HG entry, 1=unassigned HG table, 2=unassigned TG table).

1382 =

In verifying the TN, either the TN in the line subtranslator is not the same as the TN inputted, or data used to access this TN (such as the GROUP and MEMBER NUMBER from the hundreds group table) is incorrect. Error in form ERR nnnn x,y where x=office code and y=station number from line subtranslator, and

all data is converted from bcd to decimal.

1383 =

In verifying the TN, the subroutine VER_GRP returned an error. Either this group and member number is incorrect (from the HUNDREDS GROUP TABLE) for this TN, or an error exists elsewhere in translations. Verify the GROUP and MEMBER NUMBER for this TN. Error in form ERR nnnn x y, where all data is DECIMAL, x=group number and y=member number.

1384 =

SPARE

1385 =

In verifying the TN, there is no match for this autoconnect TN. Error in form ERR nnnn x y z, where all data is DECIMAL and x=TEN used to get TN list from line subtranslator, y=last office code checked, and z=last station number for this TEN.

1386 =

In verifying the TN, the Hundreds Group Expansion indicates that a Key SPN is associated with this TN. The Key SPN does not access a universal subtranslator entry. (Subroutine SPNXLA). Error in form ERR nnnn x y, where all data is DECIMAL, x = Key SPN from the Hundreds Group Expansion and y = type of subtranslator found (0=unassigned, 1=miscellaneous subtranslator, 3=line subtranslator).

1387 =

In verifying the TN, the Hundreds Group Expansion indicates that a Key SPN is associated with this TN. The Key SPN accesses the wrong type of entry in the SPN subtranslator. (Subroutine SPNXLA). Error in form ERR nnnn x y, where all data is DECIMAL, x=KEY SPN from expansion and y=utype accessed from SPN subtranslator (0=unassigned, 1=SP, 2=2-port SP, 3=TPSP, 4=DSP, 5=PBX KEY SPN).

1388 =

In verifying the TN, the TEN from the hundreds group table was used to access the TN in the line subtranslator. Using this TEN, the office code in

originating translations is not the same as the office code given. (Subroutine GET_TN). Error in form ERR nnnn x, where all data is DECIMAL and x=office code in line subtranslator.

1389 =

In verifying the TN, the station number in originating translations is not the same as the station number given. (Subroutine GET_TN). Error in form ERR nnnn x y, where all data is DECIMAL, x=office code and y=station number from originating translations.

1390 =

In verifying the TN, a normal single, 2-, 4-, or 8-pty TN was expected. If this line is a single, 2-, 4-, or 8-pty TN, it was unable to access the TN from originating translations. The type of line is determined by major class code, so that an incorrect major class code for autoconnect, denied terminating intercept, or special routing terminating class can also exist. (Subroutine GET_TN).

1391 =

In verifying the TN, could not access the callback block for this autoconnect line, given this return trigger index in scratch (from subroutine TXLNPC to subroutine AUTO_CB). Error in form ERR nnnn x, where all data is DECIMAL and x=the return trigger index.

1392 =

In verifying the TN, this was expected to be an autoconnect line. Either the major class code for this TN should not be 29, or the TEN in the hundreds group table does not match the TEN stored in the callback block. (Subroutine AUTO_CB). Error in form ERR nnnn x y, where all data is DECIMAL, x=TEN from Hundreds group table and y=TEN from Callback Block.

1393 =

In verifying the TN for this line, an autoconnect line was expected from subroutine GET_TN. The type of line returned was not autoconnect (conflict between subroutines TXLNPC and GET_TN). Error in form ERR nnnn x, where all data is DECIMAL and x=line type returned from GET_TN (0=error, 1=MLHG, 2=8-pty, 3=4-pty, 4=2-pty, 6=autoconnect).

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2003 =

The Scan Point Number is not allowed to equal 000000.

2010 =

*** REMINDER *** The recent change message has been accepted. The office option to inhibit customer change of Speed Call is not retroactive. A recent change is required to each line and multi-line hunt group that has Speed Call service to update individual translations to agree with this change.

2015 =

An error has occurred while trying to zero the call forwarding list. Unable to complete the zeroing of the list.

2020 =

An error occurred while trying to zero customer dialed information, try RC:CFN message.

2021 =

An error occurred while trying to zero speed call eight information, try RC:SCN message.

2022 =

An error occurred while trying to zero speed call thirty information, try RC:SCN message.

2050 =

The office is in precut mode, thus the TN and NTN should both be in the cut state or precut state and they were not.

2051 =

The telephone number TN or the new telephone number NTN is not allowed to equal the series completion telephone number SER.

2052 =

The given terminal number OE is not assigned to the given telephone number TN.

2053 =

*** TRANSLATION ERROR *** The given terminal number OE is assigned to the given telephone number TN, but the given telephone number TN is not assigned to the given terminal number OE.

2054 =

*** TRANSLATION ERROR *** Type of line cannot be determined from Originating and Terminating Major Classes.

2055 =

Invalid data for the Keyword TN or NTN.

2056 =

Invalid data for the Keyword OE or IOE.

2057 =

Either Keyword DP or DPU is allowed, but not both.

2058 =

The office codes for the series completion number SER and the telephone number TN or NTN should be equal, and they are not.

2059 =

The keyword OE is not a 2-party line as indicated, but the OE is assigned.

2060 =

A vacant entry for this feature is unavailable.

2065 =

A DTA (keyword DP) is required for this TEN (keyword OE) and it has been found to be assigned.

2070 =

The OE entry is not a multi-line hunt group terminal entry.

2071 =

The terminating major class (in Keyword LCC) is denied and, therefore, a route index is required (Keyword RTI).

2072 =

The terminal is denied terminating service (in Keyword LCC), and therefore the terminal can't be included in the hunt group. The terminal must be an outdial-only terminal.

2120 =

Neither keyword TN nor keyword OE is specified in the input message.

2121 =

The keyword OE is not followed by 5 or 6 digits.

2122 =

The keyword OE is followed by a data field that is out of range.

2123 =

The keyword PTY is followed by data that is not in the range 1 through 8.

2124 =

Concentrator group is out of range.

2125 =

Concentrator is out of range.

2130 =

The keyword SMR is missing.

2131 =

The keyword SMR is out of range or there is a bad translation (error return from GNTRY3).

2132 =

The SMR Index is missing.

2150 =

The CALLBACK table doesn't exist, or the CALLBACK index points beyond the CALLBACK table. (Subroutine = AUTO CB)

2151 =

There is no return telephone number (RTN) stored for this trigger number (TN). (See subroutine = AUTO_CB in XLSUB).

2200 =

The call processing and maintenance frames equipped masks are inconsistent.

2202 =

The keyword OE is out of range or there is a bad translation (SPTBL is garbaged).

2203 =

The keyword OE is not an assigned terminal.

2204 =

The specified SCAN POINT must be a UNIVERSAL SCAN POINT (scanner 0, row 0-15 or 28-31, or scanner 1-15, row 28-31).

2205 =

The OE or IOE is assigned to NOTEST, TLTP, FETL or TUTL.

2206 =

SP Invalid - SPN was not found in the Miscellaneous Subtranslator (subroutine SPNXLA).

2207 =

The Scan Point was not a Supervisory SPN for a trunk or a Line SPN for a Tone or an Announcement (subroutine TK TEN).

2208 =

The terminal equipment number is not a valid TEN, or the

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Test Line TESTLINE (MTI) Translator does not exist, or there was an error in determining the test line table word-entry relationship (subroutine GNTRY3).

2210 =

OE is all ready assigned to an originating major class other than auto-connect.

2211 =

A maximum of 6 TNs can be assigned to an auto-connect OE. This TN is the seventh.

2212 =

A vacant callback block is required, but none exist.

2213 =

A maximum of 2 TNs can be assigned the same message class (CLS). This TN is the third.

2214 =

The TTYC does not match the TTYC previously assigned to this message class.

2215 =

A miscellaneous auto-connect port was not specified. Therefore, a dedicated TTYC for the specified CLS must be used. The message class assigned to the TTYC is not the same as the one specified in the message.

2216 =

There is already another TN assigned for automatic dial up.

2217 =

Bad Callback Table Index stored in the TN entry. The Index points to a non-existent entry.

2218 =

The specified TN is not associated with the given CLS.

2219 =

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It is illegal to change the auto-connect major classes:
OMAJ and TMAJ.

2220 =

The OE is an auto-connect OE. The expand block containing four TNs is not a 4 word block or the expand number is bad. See translation layouts.

2221 =

The TTYC is already defined with a CLS different from the one specified on the input message.

2222 =

For TTYC0 and TTYC1, CLS must equal TTYC and it does not, or for TTYC > 1, CLS must be greater than 1 and it is not.

2223 =

Not allowed to remove port 0 of TTYC 0.

2224 =

TTYC 0 and 1 are not allowed to be removed.

2225 =

The TTYC must be out-of-service to be removed.

2226 =

Unable to remove the TTY Controller because there are auto-connect TN's assigned to this Controller.

2227 =

An auto-connect OE requires a billing number (BTN).

2228 =

The TTYC (0-7) or PORT (0-3) was not in range.

2235 =

Invalid telephone number: No NOC for office code, no office index for NOC and THOUSAND, or invalid Billing Number.

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2236 =

The given NOC was unassigned or invalid (subroutine NOC BCD).

2240 =

The given DPCN is already assigned.

2241 =

No vacant entries in the Coin Triplet Address table.

2242 =

*** TRANSLATION ERROR *** Line had an Invalid Coin Triplet Index. The index was removed.

2245 =

Call forwarding service activation in progress.

2246 =

Call forwarding service in active state.

2248 =

Encountered a translation error when attempting to obtain the LCC (subroutine GET_LCC).

2249 =

Translation error occurred when attempting to retrieve LCC information (called subroutine LNCLASS).

2250 =

Translation error occurred when attempting to obtain the Line Class Code Index from the Line Class Code (called subroutine LCCXLCI).

2251 =

The specified LCC is not allowed for this type of line.

2252 =

The Line Class Code Index is not in the range 0-255.

2253 =

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The specified Line Class Code is not valid for this message.

2254 =

The Line Class Code is undefined (invalid).

2255 =

The Line Class Index associated with the LCC is out of the range of 0 through 15.

2256 =

The Line Class Code entry in the LCCTBL translator is unassigned.

2258 =

The input terminal equipment number is not translatable. An error occurred while obtaining the SPN translator, or the input was out of range. (Subroutine GET_TN was called.)

2259 =

The OE does not point to a MLHG expansion (subroutine GET_TN). NOTE: The error message is in the form ERR nnnn t (t=type of expansion: 1=MLHG/PBX, 2=8-PTY, 3=4-PTY, 4=2-PTY, 5=individual, 6=auto-connect line).

2260 =

The input terminal equipment number is not a line terminal equipment number, or the input party number is unassigned, or the input party number is larger than the number of parties, or the scan point number translator does not exist, or the line subtranslator is unassigned, or the scan point number points beyond the head table, or there was an error in determining the head table word-entry relationship, or there was an error while trying to get the line subtranslator data (subroutine GET_TN).

2261 =

The terminal equipment number is not a line terminal equipment number, or the scan point number translator does not exist, or the line subtranslator is unassigned, or the scan point number points beyond the head table,

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or there was an error in determining the head table word-entry relationship, or there was an error while trying to get the line subtranslator data (subroutine LNDATA).

2262 =

There is no entry in the line class code table for the telephone number.

2263 =

An error occurred while reading the line class code table.

2264 =

The party number in the line class code table is not equal to the input party number.

2265 =

The coin line triplet index translator does not exist, or the triplet index points beyond the coin triplet address table, or there was an error in determining the coin triplet address table word-entry relationship (subroutine CNI_EXP).

2266 =

The telephone number does not have call forwarding service.

2267 =

The telephone number does not have any speed calling service.

2268 =

The call forwarding table does not exist, or the call forwarding index points beyond the call forwarding table, or there was an error in determining the call forwarding word-entry relationship.

2269 =

The speed calling list translator does not exist, or the speed calling index points beyond the speed calling head table, or there was an error in determining the speed calling list head table word-entry relationship.

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2270 =

The scan point number translator does not exist or there was an error in the SPN Head Table entry.

2277 =

The Originating Major Class in main store disagrees with the Originating Major Class stored on the (LCC_TBL). NOTE: The error message is of the form ERR nnnn tt (tt = Major Class stored). ALSO NOTE: If this error message is preceded by error number or 2256, then the field tt is to be ignored.

2278 =

The Terminating Major Class in main store disagrees with the Terminating Major Class stored on the (LCC_TBL). NOTE: The error message is of the form ERR nnnn tt (tt = Major Class stored on tape). ALSO NOTE: If this error message is preceded by error number 2256, then the field tt is to be ignored.

2279 =

The SCReening class index in main store disagrees with the SCReening class index stored on the (LCC_TBL). NOTE: The error message is of the form ERR nnnn tt (tt = SCR stored on tape). ALSO NOTE: If this error message is preceded by error number 2256, then the field tt is to be ignored.

2281 =

Line Class Code error.

2282 =

The Line Class Code's Screening Class is not defined in the Screening Tables.

2283 =

Invalid combination of Originating and Terminating Major Classes.

2284 =

Invalid party number for the Originating and Terminating Major Classes.

2286 =

TESTLINE table is full. It contains the maximum number of test terminals it was allocated.

2287 =

Translation error in entering TESTLINE table.

2288 =

Translation error in entering CUTSTAT table.

2289 =

An error has occurred while processing CUTSTAT table. The Recent change message is complete except for required changes to CUTSTAT table.

2290 =

Invalid Scan Point: Scan Point is either a Line Scan Point, a Miscellaneous Scan Point, a non-existent scan point, or a scan point already assigned as a non-key Universal Scan Point).

2291 =

The Scan Point Number assigned to the line was found to be bad (a Line SPN, a Miscellaneous SPN, a non-existent scan point entry, or a non-key SPN (Universal SPN)). The Scan Point was removed.

2301 =

Two Party Line: use message RC:TWOPTY.

2302 =

Multi-Party Line: use message RC:MPTY.

2303 =

Multi-Line Hunt Group Terminal: use message RC:MTL.

3050 =

Translation entry for Keyword RTI or ARTI does not exist.

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3051 =

Invalid entry into MTI table SCRTBL.

3052 =

Invalid screening class number for SCRTBL size.

3100 =

3 to 7 digits are required for conversion.

3110 =

The FAT is not in the range (0-3).

3111 =

Input route index is greater than 255.

3112 =

The route index is out of range, it should be 8 through 255.

3113 =

The Route Index is out of range, it should be 0-7.

3115 =

*** TRANSLATION ERROR *** Invalid route index expansion entry type.

3119 =

The Screening Table Number exceeds the maximum allocated for this office.

3120 =

The screening table number is out of range, it should be 0 through 63.

3121 =

The screening class number is out of range, it should be 0 through 62.

3122 =

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The charge index is out of range, it should be 1 or between 16 and 31.

3123 =

CTYP in an existing translation entry has an illegal value of 3 in it.

3124 =

The CHI must be in the 1-31 range.

3125 =

An invalid charging number, or an error in getting the charging information. (Subroutine = CH_EXP)

3126 =

The screening class exceeds the maximum allocated for this office.

3130 =

The three-digit code is not in the range 200 through 999 or not in range 110 thru 119.

3131 =

The code index is not in the range 0 through 255.

3219 =

The Screening Table translator does not exist, or no screening classes are defined for the office.

3220 =

The code index translator does not exist.

3221 =

The route index translator does not exist.

3222 =

An error occurred in determining the code index translator word-entry relationship.

3223 =

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An error occurred in determining the route index translator word-entry relationship.

3224 =

The alternate route index translator does not exist, or the route index points beyond the translator, or there was an error in determining the translator word-entry relationship.

3225 =

The code index translator does not exist, or there was an error in determining the code index translator word-entry relationship, or the code index points beyond the code index translator.

3226 =

The code index translator entry does not contain a foreign area translator number.

3227 =

The three-digit area translator does not exist, or there was an error in determining the three-digit area translator word-entry relationship.

3228 =

No three-digit area translator of the search type exists.

3229 =

An error occurred in determining the three-digit area translator word-entry relationship.

3230 =

No three-digit area translators exist.

3231 =

The Code Index for this Keyword is not allowed to equal the CDI.

3232 =

Translation Entry for Keyword CDI, NPCI, P1CI, POCI, ACDI, or OCDI doesn't exist.

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3233 =

*** TRANSLATION ERROR *** Unable to read the translation data.

3234 =

Because the area translator is not a partial translator (search table), 'NO' is not allowed for Keyword DIG.

3249 =

The given CAC number is unassigned.

3250 =

Cannot translate the CAC number. Either the translator CCTBL does not exist, it is garbaged, or a digit is out of range.

3251 =

The CAC digit entry contains a Code Index. The code was previously marked INVALID.

3252 =

The CAC code is already assigned.

3253 =

The CAC digit entry contains a Table Number indicating the CAC number is not a valid number. There should be another digit after the entered number. The number expands beyond the number inputted.

3254 =

The CAC number entered has a valid entry before all digits of the code are processed.

3255 =

The CAC number entered translated into an invalid entry containing the Code Index before all the digits were processed.

3256 =

There is no vacant table left and one is needed to input

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the data for the CAC number entered.

3257 =

Invalid data is stored in Table 0 Entry 1 of the CCTBL translator.

3258 =

THIS ERROR SHOULD NEVER HAPPEN. PROGRAM BUG.

3259 =

The data inputted for CAC was 'NO' but table 0 entry 1 indicates that IDDD exists. Cannot input 'NO' when IDDD exists.

3260 =

The CAC digit entry is vacant. A TYP NEW message should be inputted to enter the CAC data.

3261 =

The CAC number entered translate into a vacant entry before all the digits were processed.

3262 =

The CAC digit entry is vacant. A TYP OUT message has no effect therefore nothing is done.

3263 =

Table 0 entry 1 should contain the next table entry pointing to table 1.

3264 =

The keyword MXDE is not greater than or equal to the keyword MNDE.

3265 =

The keyword MNDE was not received. MNDE must be inputted when MXDE is inputted on TYP NEW.

3266 =

The keyword MXDE was not received. MXDE must be inputted when MNDE is inputted on TYP NEW.

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4120 =

The office code is not specified.

4121 =

The thousands digit is not specified.

4122 =

The thousands digit is not in the range 0 through 9.

4220 =

The four-digit translator does not exist, or there was an error in determining the number group table word-entry relationship, or there was an error while trying to get the four-digit translation data (subroutines TERMXL or TXLNPC).

4222 =

The four-digit translator does not exist or there was an error in determining the number group table word-entry relationship.

4223 =

The thousands digit points to an assigned thousands group, not routing to another office.

4224 =

A Route Index cannot be written into a non-vacant Thousands Group Table Entry.

4225 =

The TN Keyword specified a number with Special Routing, or Route To Another Office, or Route on Hundreds Group. (See form 3501)

4230 =

Number Group Table Entry points to a Thousands Table and, therefore, can't be used to store a Code Index.

4231 =

Hundreds Group Table must be defined, but it is not.

4232 =

Incorrect number of digits received.

4235 =

Unable to translate the series completion telephone number for this line (subroutine = UPK_DN).

4240 =

The ORGX bit in the terminating lines translation (NOCD) is inconsistent with the features (GST, ESM, DP, DPU) specified in the originating lines translation (SPNXLA).
NOTE: The error message is of the form ERR nnnn t (t = ORGX bit: t = 1 implies that the line does have at least one of the features, and t = 0 implies that the line does not have any of these features).

5010 =

The group number keyword GRP specified for this form is out of range. Check allowed range for this form.

5049 =

A speed call index of zero was selected for MLHG. This is invalid. Try again after an RC:LINE or RC:MTL message that selected a speed call index.

5050 =

Translation entry for Keyword GRP or HML does not exist.

5051 =

Either Keyword TBL, SCR, or NDE is required for an Incoming Trunk Group.

5052 =

To have both Keyword DISC equal 3 (Customer Hold) and Keyword AUDB equal 'YES' is not allowed.

5053 =

CAMA Trunks require that Keyword DISC equal 0 (Regular Hold), but it does not.

5054 =

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TSP(S) trunks require that Keyword DISC equal 2 (Service Hold), but it does not.

5055 =

Keywords STP, OLP, LP require Keyword ODP.

5056 =

Keyword EM requires Keyword CKT to be 1 or 2 (2-way trunk).

5057 =

BYLK Trunks require that Keyword ST equals 0.

5058 =

Either Keyword OMF or ODP may be specified, but not both.

5059 =

Either Keyword NTBL, Keywords CODE and NDE, or keywords RTI and NDE are required.

5060 =

The NTBL number can't equal the TBL number.

5062 =

Keyword ST equal 3 (Wink Start) requires that Keyword DIR equals 2 (2-way Trunk).

5065 =

Either Keyword PBTN or OPTN or both must be specified.

5068 =

The last hunt terminal (Keyword LHT) specified for hundreds group entry is greater than the last hunt terminal (Keyword HSZ in RC:MLHG) specified for the group, or the last hunt terminal (Keyword LHT) is less than the first hunt terminal (Keyword TER).

5069 =

The terminal number (Keyword TER) is greater than the

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last hunt terminal for the group (Keyword HSZ in RC:MLHG).

5070 =

The hunt size (Keyword HSZ) is not less than or equal to the group size.

5072 =

The stop hunt terminal (Keyword EHT) is not less than or equal to the hunt size (Keyword HSZ).

5073 =

Either Keyword BTN or BLN is required.

5074 =

Either Keyword BTN or BLN is required, but not both.

5075 =

Either Keyword BTN or BLN is allowed, but not both.

5076 =

SKEY may only be 1 through 9.

5077 =

SPN is either not universal or is already assigned.

5078 =

Both keywords SKEY and SPN must be input if either is inputted.

5080 =

Unable to determine type of one-digit translation entry. Remove the entry (TYP=OUT) then redefine (TYP=NEW).

5090 =

Keyword SP and DSP are the same, but they must be unique.

5100 =

The group number is out of range, it should be 64

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through 255.

5101 =

The group number is out of range, it should be 0 through 63.

5110 =

Group is a PBX/MLHG.

5111 =

Member number is greater than list size or no TEN.

5120 =

The group number is not in the range 0 through 255.

5121 =

The group number is not in the range 64 through 255.

5122 =

The member number is not in the range 0 through 127.

5123 =

The member number is not in the range 0 through 63.

5130 =

The TBL must be in the 0-63 range.

5131 =

The ODIG must be in the 0-9 range.

5132 =

The TOTANI must be in the 0-63 range.

5133 =

Had trouble accessing or unpacking the trunk maintenance billing number (subroutine TOTANLST and UPK_DN called).

5200 =

The Group is in service. It must be taken out of

service before inputting the message.

5201 =

The Group has working members. For NEW and OUT order, the group must not have a working member.

5202 =

Circuit code must be a two-way or incoming trunk code, but it is not.

5203 =

Circuit Code must be a two-way or outgoing trunk code, but it is not.

5204 =

Circuit Code must be a two-way code, but it is not.

5205 =

Circuit Code assignment for this Group is incorrect.

5206 =

The Office Code does not have a Normalized Office Code.

5207 =

*** TRANSLATION ERROR *** Unable to get the selection status block.

5208 =

The scan list is affected by this change and, therefore, each member in the group must be removed from the list and re-inputted after GRP data is changed.

5220 =

The group translator does not exist, or there was an error in determining the group data word-entry relationship (subroutine GRPX).

5221 =

The group is not a PBX/MLHG.

5222 =

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The group member list translator does not exist, or the member list index points beyond the member lists, or there was an error in determining the member list word-entry relationship, or the member number points beyond the member list (subroutine CKTLST).

5224 =

Unable to get the groups address of the member list because the group member list translator does not exist, or the member list index points beyond the member lists, or there was an error in determining the member list word-entry relationship.

5225 =

The member list contains inconsistent data (members = 0 or spares > members), or MEM bit in group data is inconsistent with the first word of the member list data, or the largest member in the group does not agree with the total numbers - 1 in the first word of the member list. NOTE: The error message is of the form ERR nnnn gggg mmmmm, where gggg and mmmmm are data words (gggg = the word in group data that contains the largest member number, and mmmmm = the first word of the member list).

5226 =

The member list is not a PBX/MLH member list.

5227 =

The member list is not a service circuit member list.

5228 =

The member list is not a trunk member list.

5229 =

The member number points beyond the member list.

5230 =

All NPA entries are already assigned.

6199 =

The customer-dialed change buffer (WRTBUF) was

overfilled by a write request. PROBABLE program bug.

6200 =

The expansion tables do not exist, or the expansion table number points beyond the expansion head table, or there was an error in determining the expansion head table word-entry relationship, or the 1-, 2-, or 4-word expansion table is unassigned, or the expansion entry number points beyond the 1-, 2-, or 4-word expansion table (subroutine EXPAND).

6201 =

The maximum number of table full indicator bits that can be changed on one input request has been reached. The change can be reattempted.

6300 =

Tried to overflow EXPBUF or OPTBUF or USE_BUF.

6301 =

No available expansion buffers of one-word size.

6302 =

No available expansion buffers of two-word size.

6304 =

No available expansion buffers of four-word size.

6308 =

No available expansion buffers of eight-word size.

6310 =

There are no unused expansion blocks of the required size in the CODLST translator.

7000 =

Had trouble accessing the tape for a delay message.
(file = OFR3)

7001 =

The number of allowed delay messages has been exceeded.

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New delay messages will be allowed after printing of queued delay messages.

7002 =

Two or more keywords were given that are incompatible.

7003 =

The FORM keyword was followed by an illegal Form Number.

7004 =

A translation error occurred. (Subroutines NOC_BCD and TERMXL or TXLNPC were called.)

7005 =

Incrementing error which should never happen.

7006 =

An unsolvable error occurred during printing of a Office Record form which makes continuing useless.

7007 =

Both the FORM and START keyword cannot be used on the same message.

7008 =

The given Office Code in TN keyword is unassigned.

7009 =

The TN keyword was followed by an illegal number.

7010 =

The given hundreds group in the TN keyword is unassigned.

7011 =

The given thousands group in the TN keyword is unassigned.

7013 =

Unable to access the TOC or EQL from tape (file = OFR3).

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7014 =

Unable to access the LCC from tape (file = OFR3).

7015 =

Unable to access the LCC, TOC, and EQL from tape (file = OFR3).

7016 =

Unable to store LCC (file = LCC_TBL).

7017 =

Unable to obtain LCC from file given the LCI (file = LCC TBL).

7018 =

The given office equipment number in the OE keyword is out of range.

7019 =

Delay messages are not allowed at this time.

7020 =

Had trouble reading or writing the tape for subfile DNCMP or DAYWORK. (file = OFR3)

7021 =

The changed page map was marked for a page (i.e., Telephone Number) that doesn't exist. This page will not print and changed page map was corrected.

7022 =

Office Records attempted to print changed pages or delayed messages on the appropriate TTY CHANNEL unsuccessfully, and the rest of the output has been terminated.

7023 =

A translation error occurred while attempting to obtain the scan rate from the MTI=CKTSCAN or MTI=TRKSCAN. (Subroutine RATE_CHK).

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- 8000 =
Off-line Store in process of being updated.
- 8001 =
Lock Key not operated.
- 8002 =
Initialization in progress.
- 8003 =
Off-line System Control (SYC) is out of service.
- 8004 =
Reallocation is not in progress.
- 8005 =
A reallocation is already in progress.
- 8006 =
On-line MAS is marked out of date.
- 8007 =
Off-line Network Controller (NWC) is out of service.
- 8008 =
Off-line Scanner Controller (SC) is out of service.
- 8009 =
Off-line Peripheral Pulse Decoder Controller (PPD) is out of service.
- 8010 =
DIST_BUF Buffer overflow in program DISTSD.
- 8011 =
Reallocation error on PASS2 of DIST_BUF.
- 8012 =

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Error in updating the MTI on PASS3 of DIST_BUF.

8013 =

Insufficient number of spares in protected store.

8014 =

Insufficient number of spares in temporary store.

8015 =

Invalid data - the number of entries requested already exist.

8016 =

Entries to be deleted are not vacant.

8017 =

RMV is invalid - translation does not exist.

8018 =

The other System Control (SYC) has the new translation layout.

8019 =

Unable to switch System Control (SYC) because lock key is operated.

8020 =

Switch has already occurred.

8021 =

Unable to switch System Control (SYC).

8022 =

The administration control program is not allowed.

8030 =

The group is not defined.

8031 =

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The Office Index for this Thousands Group does not exist.

8032 =

The number of availability bits does not match the number of entries in the call forwarding or message register tables.

8033 =

A member list or a selection status block index is not filled in for an unassigned group in group data.

8034 =

The size of the AMA buffer cannot be changed while AMA is active. See RC:OFFICE message.

8050 =

This function is not implemented yet.

9900 =

An error occurred during an open or status test operation. The Tape Handling Routines requested that the client abort.

9901 =

A destination other than 'CURR' or 'OLD' was specified for the translation data.

9902 =

The filename specified in the message was not TRNSLN or BACKDT.

9903 =

An invalid source was specified in the COPY message.

9905 =

Not all tape units are in service.

9906 =

High 4 bits of the 20-bit address of STRLIM found in

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SPXLAMTI entry and the SPARES entry are not equal.

9907 =

Low 16 bits of address found in SPXLAMTI and SPARES are not equal.

9908 =

The number of translation checksums calculated is equal to zero.

9909 =

The number of spare words calculated and the number of spare words found in the SPARES MTI are not equal.

9910 =

The number of translation entries in the CHECKSUM FILE is equal to zero. (word 5)

9911 =

The number of translations checksum entries is incorrect. (Word 5)

9912 =

The 1st and 2nd entries containing the number of translation checksums in the CHECKSUM FILE were not equal. (1st = word 5, 2nd = twice the contents of word 7 plus 11 OCTAL)

9913 =

The CHECKSUM FILE entries length calculated did not equal the CHECKSUM FILE length taken from the CHECKSUM FILE. (word 1)

9914 =

The starting address of the GENERIC FILE is incorrect in the CHECKSUM FILE. (word 3)

9915 =

The starting address of the TRANSLATION FILE is incorrect in the CHECKSUM FILE. (word 4)

9916 =

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The starting address of the PATCH FILE is incorrect in the CHECKSUM FILE. (word 6)

9917 =

The quantity or location call store as defined by the CHECKSUM FILE is different from that as defined by the Write Protect Table . (WPTBL)

9918 =

Hashsum calculation failed, bad parity encountered.

9919 =

File not found in Tape Resident Directory.

4. ACTION TO BE TAKEN

Correct the message and retype.

5. REFERENCES

The programs which output these messages are:

Distribute (allocation)	-	DIST:xxxx
Office Record	-	OP:OFR
Output (tape)	-	OP:xxxx
Recent Change	-	RC:xxxx
Traffic	-	RC:xxxx
Verify	-	VER:xxxx

ALM=0 CHL=ALL

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1. OUTPUT MESSAGE FORMAT

tt ADM PROG ttt

2. EXPLANATION OF MESSAGE

This is the response message when administration messages are aborted, inhibited, or allowed.

3. EXPLANATION OF VARIABLE FIELD

ttt = ABT => The administration programs aborted due to an
inter-message timeout or a higher priority
multi-scan function request.
= INA => The system will not accept administration
input messages.
= READY => The system is ready to accept administration
input messages.

4. ACTION TO BE TAKEN

To be determined by the user. Follow local procedures.

5. REFERENCES

PR-3H020 ADMCON

CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

ALW BLDG ALM

ALW BLDG ALM

1. OUTPUT MESSAGE FORMAT

tt ALW BLDG ALM

2. EXPLANATION OF MESSAGE

This message is given in response to resetting the Building Alarm key (either manually or via TTY input message). The ALloW BuILDinG ALarM message indicates that future building alarms will sound in the office.

3. ACTION TO BE TAKEN

none

4. REFERENCES

PR-3H251 MCSUB Maintenance Subroutines

ALM=0 CHL=MTC,MTR

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ALW ORDUTIL STOPPED

ALW ORDUTIL STOPPED

1. OUTPUT MESSAGE FORMAT

tt ALW ORDUTIL STOPPED

2. EXPLANATION OF MESSAGE

Response to input message STOP:ORDUTIL.

3. EXPLANATION OF VARIABLE FIELD

none

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-1C982 COUTIL COMMON ORDER UTILITIES

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt ALW OW ww

2. EXPLANATION OF MESSAGE

Response to an ALW:OW input message. Also given if the overwrite program has been terminated due to the initiation of a higher priority function or manually requested by the STOP:OW input message.

3. EXPLANATION OF VARIABLE FIELD

ww = COMPL - The overwrite program is ready to process
 overwrite TTY input messages.
ww = STOPPED - The overwrite program has been deactivated.

4. ACTION TO BE TAKEN

An unrequested STOPPED response should only occur if the overwrite program is nonresident and the load from tape failed or if a higher priority function was initiated. In the first case, additional tape error messages will be printed and they should be consulted to pinpoint the problem. In the second case, the conflict needs to be resolved by indentifying the higher priority function and either stopping it or allowing it to complete before again initiating the overwrite program via the ALW:OW input message.

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

ALW TAPEUTIL COMPL

ALW TAPEUTIL COMPL

1. OUTPUT MESSAGE FORMAT

tt ALW TAPEUTIL COMPL

2. EXPLANATION OF MESSAGE

Response to ALW:TAPEUTIL input request. The tape utility program is now active and ready to process tape utility input messages.

3. EXPLANATION OF VARIABLE FIELD

None

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

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AU FILE ERR

AU FILE ERR

1. OUTPUT MESSAGE FORMAT

tt AU FILE ERR

2. EXPLANATION OF MESSAGE

An audit of the tape file access control area has found that the tape is incorrectly marked busy.

The audit has marked the control area idle.

3. EXPLANATION OF VARIABLE FIELD

4. ACTION TO BE TAKEN

If this problem persists, contact the local PECC representative.

5. REFERENCES

PR-3H097 FILPUB

CHL=ALL

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AU MAINT COMPL

AU MAINT COMPL

1. OUTPUT MESSAGE FORMAT

M tt AU MAINT COMPL

2. EXPLANATION OF MESSAGE

Indicates the end of the MAINTenance AUdit routine when initiated by a manual request.

3. ACTION TO BE TAKEN

none

4. REFERENCES

PR-3H314 - MAUD: MAINTENANCE AUDITS

ALM=4 CHL=MTC,MTR

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AU MAS COMPL

AU MAS COMPL

1. OUTPUT MESSAGE FORMAT

tt AU MAS COMPL

2. EXPLANATION OF MESSAGE

Response to the TTY input message AU:MAS. One cycle of the main store audit has completed and any abnormal conditions of the MAS have been identified by TTY output message(s).

3. EXPLANATION OF VARIABLE FIELD

None

4. ACTION TO BE TAKEN

If messages were generated, consult the appropriate TTY output manual entry for that message.

5. REFERENCES

PR-1C950 CBLM - Common Base Level Monitor

ALM=0 PRI=0 CHL=MTC,MTR

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1. OUTPUT MESSAGE FORMAT

tt AUDIT TAPE aa BLK bb

2. EXPLANATION OF MESSAGE

Response to the AUDIT:TAPE input message using the DETL action option. The specified tape block mismatches between the tapes being audited.

3. EXPLANATION OF VARIABLE FIELD

aa = Tape control word. Bits (1-0) contain the tape no. of the standard (master) tape. Bits (3-2) contain the tape no. of the compared tape.

bb = Block and track no. where mismatch occurred. Bits (10-0) contain the block no. (in octal). Bits (12-11) contain the track no. minus one.

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

AUDIT TAPE MATCH

AUDIT TAPE MATCH

1. OUTPUT MESSAGE FORMAT

tt AUDIT TAPE MATCH aa

2. EXPLANATION OF MESSAGE

Response to an AUDIT:TAPE input message or automatic tape audit request. The audit has completed. The tapes match.

3. EXPLANATION OF VARIABLE FIELD

aa = 0 (always 0 indicating there were no mismatches)

4. ACTION TO BE TAKEN

To be determined by user. Follow local procedures.

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

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1. OUTPUT MESSAGE FORMAT

** tt AUDIT TAPE REPT aa

2. EXPLANATION OF MESSAGE

Response to an AUDIT:TAPE input message or automatic tape audit request. The audit has completed. The tapes mismatched.

3. EXPLANATION OF VARIABLE FIELD

aa = Number of blocks that mismatch.

4. ACTION TO BE TAKEN

To be determined by user. Follow local procedures.

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=3 PRI=3 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt CMPR MAS adr data1 xxx data2 yyy

2. EXPLANATION OF MESSAGE

Response to a CMPR:MAS input message.

3. EXPLANATION OF VARIABLE FIELD

adr = Absolute address of the location that mismatched.
data1 = The on-line MAS data.
= Constant (OFL option only)
xxx = ERR if the on-line data was read with bad parity.
data2 = The off-line MAS data.
= Constant (ONL option only)
yyy = ERR if the off-line data was read with bad parity.

4. ACTION TO BE TAKEN

Determine the reason for mismatch and take corrective action as required.

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt CMPR MAS ww

2. EXPLANATION OF MESSAGE

Response to a CMPR:MAS input message.

3. EXPLANATION OF VARIABLE FIELD

ww = COMPL - The main store compare has completed.
ww = STOPPED - The main store compare has stopped for one or more of the following reasons
- The multiscan function controller aborted the program.
- The program was stopped manually by typing STOP:UTIL!
- A mismatch was found (ALM option only).

4. ACTION TO BE TAKEN

If the STOPPED response was given automatically by multiscan function controller request, determine the reason and repeat the message after the conflict has been eliminated.

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=1 CHL=MTC,MTR

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1. OUTPUT MESSAGE FORMAT

tt CNL OW ww

2. EXPLANATION OF MESSAGE

Response to a CNL:OW input message.

3. EXPLANATION OF VARIABLE FIELD

ww = COMPL - The cancellation has completed.
ww = STOPPED - The cancellation has failed. The failure occurred for one of the following reasons:
- The overwrite status is dead or already inactive.
- The overwrite does not exist in the overwrite file.
- The tape handler could not open the PATCH file.
- The tape handler could not service the current tape operation.

4. ACTION TO BE TAKEN

If tape error messages preceded the STOPPED response, they should be consulted first to identify the particular tape trouble. Otherwise, verify the overwrite number and status to determine the reason for failure.

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

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1. OUTPUT MESSAGE FORMAT

tt COPY FILE COMPL

2. EXPLANATION OF MESSAGE

Response to a COPY:FILE input message, after the COPY:FILE utility has completed.

3. EXPLANATION OF VARIABLE FIELD

none

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt COPY TAPE COMPL

2. EXPLANATION OF MESSAGE

Response to a COPY:TAPE or COPY:FILE input message. The copy tape utility has completed.

3. EXPLANATION OF VARIABLE FIELD

None

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

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1. OUTPUT MESSAGE FORMAT

tt DGN CU a status TST bb SEG cc ADR ddddddd eeeee
 number ff TRBL gggg DATA hhhh

2. EXPLANATION OF MESSAGE

Response to a CU diagnostic request message or to diagnostics run automatically. This message indicates that a diagnostic has failed.

3. EXPLANATION OF VARIABLE FIELD

a	CU being diagnosed, either 0 or 1.
status	This is a keyword which is either: STOPPED Diagnosing has been terminated with this failure. FALT Diagnosing is continuing beyond this failure. This only takes place if the UCL option was used in the input message.
bb	Test number of failing test.
cc	Segment number of failure within failing test.
dddddd	Generally the address of the failure branch in the on-line CU. This field can represent the off-line PA at the time of failure if specifically stated in the TLM.
eeeeee	The offset address from the beginning of the CSECT of the on-line failure branch.
number ff	There are two cases: LOOP ff The loop within the table-driven structure when a failure occurs. this is a 1 if there are no loops. MAS ff (for store diagnostics only. The main store controller which has failed)
gggg	Trouble number used as an index into the TLM.

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DGN CU

DGN CU

hhhhh Optional data words. Generally for on-line code, the contents of the maintenance channel buffer. If the data words have another meaning, it is described in the TLM.

4. ACTION TO BE TAKEN

The Repair Procedure, as described in the TLM section B.

5. REFERENCES

PR1C910-01 CDGNM Diagnostic Monitor
TLM1C900 Trouble Location Manual

ALM=0 PRI=2 CHL=MTC,MTR

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1. OUTPUT MESSAGE FORMAT

tt DGN CU x COMPLETE ATP y

2. EXPLANATION OF MESSAGE

Response to a CU diagnostic request message or diagnostics run automatically indicating that the tests which have been run have passed.

3. EXPLANATION OF VARIABLE FIELD

x CU being diagnosed, either 0 or 1
y Test number if a single test was requested.

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-1C910 CDGDM Diagnostic Monitor

ALM=0 PRI=2 CHL=MTC,MTR

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1. OUTPUT MESSAGE FORMAT

tt DGN CU x ABT

2. EXPLANATION OF MESSAGE

CU diagnostics have been aborted as a result of input message ABT:DGN CU! or by the base level monitor due to a critical condition such as an emergency switch.

Note: the x field will be incorrect if the abort came from an emergency switch.

3. EXPLANATION OF VARIABLE FIELD

x CU being diagnosed, either 0 or 1

4. ACTION TO BE TAKEN

Request diagnostics again if desired.

5. REFERENCES

PR-1C910 CDGDM Diagnostic Monitor

ALM=0 PRI=2 CHL=MTC,MTR

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1. OUTPUT MESSAGE FORMAT

tt DGN CU x TRBL

2. EXPLANATION OF MESSAGE

This message indicates a specific type or trouble condition. A diagnostic test contained off-line code ending in a HALT instruction but the off-line did not end in the halt loop. this is an unusual condition when diagnostics are run sequentially since if earlier tests passed, the off-line processor should be capable of running off-line code. The message is a warning that the failure message which follows may contain meaningless data since the off-line number and data fields have gone off the rails.

3. EXPLANATION OF VARIABLE FIELD

x CU being diagnosed, either 0 or 1

4. ACTION TO BE TAKEN

The Repair Procedure, as described in the TLM Section B.

5. REFERENCES

PR-1C910 CDGNM Diagnostic Monitor
TLM1C900 Trouble Location Manual

ALM=0 PRI=2 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

DGN CU

DGN CU

1. OUTPUT MESSAGE FORMAT

tt DGN CU x STOPPED MAS ERR

2. EXPLANATION OF MESSAGE

CU diagnostic have been inhibited because of offline main store errors. Run main store audits by typing AU:MAS! or replace any known bad memory boards in the offline CU. to over-ride the inhibit see input messages DGN:CU;OVRD! or UPD:OMAS;UCL!.

3. EXPLANATION OF VARIABLE FIELD

x CU being diagnosed, either 0 or 1

4. ACTION TO BE TAKEN

Type AU:MAS! to get offline memory errors. Then replace the memory boards it says are faulty. If no boards can be found type UPD:OMAS;UCL! and RST:CU! to get system back to normal.

5. REFERENCES

PR-1C910 CDGNM Diagnostic Monitor

ALM=0 PRI=3 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

DGN CU COMPLETE

DGN CU COMPLETE

1. OUTPUT MESSAGE FORMAT

tt DGN CU COMPLETE

2. EXPLANATION OF MESSAGE

Response to a CU diagnostic request, using the UCL option, where one or more tests have failed. The failure messages have been printed on the TTY and this message indicates that diagnostics have been completed.

3. EXPLANATION OF VARIABLE FIELD

None.

4. ACTION TO BE TAKEN

The Repair Procedure, as described in the TLM Section B.

5. REFERENCES

PR-1C910 CDGNM Diagnostic Monitor

ALM=0 PRI=2 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt DGN FIOC cs ATP

2. EXPLANATION OF MESSAGE

Response to a FRAME I/O CONTROLLER diagnostic request message indicating that all requested tests have passed.

3. EXPLANATION OF VARIABLE FIELD

c = control frame the FIOC is located on

s = system control the FIOC is located on

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H267 FIOCT - FRAME I/O CONTROLLER DIAGNOSTIC

ALM=0 CHL=MTc,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt DGN FIOC cs ABT n pp-tttt-oo

2. EXPLANATION OF MESSAGE

FRAME I/O CONTROLLER diagnostics have been aborted due to a TTY request or by recovery due to an emergency switch or due to insufficient system resources.

3. EXPLANATION OF VARIABLE FIELD

c = control frame the FIOC is located on
s = system control the FIOC is located on
n = diagnostic abort code (see list below):

<u>CODE</u>	<u>DESCRIPTION</u>
-------------	--------------------

0	System or manual request.
1	Diagnostic using invalid command.
2	Seize statement not pointing to seize block.
3	Unable to seize circuit or error in translations.
4	Doend not pointing to doloop statement.
6	Operate not pointing to seize statement.
7	Operate order failed.
10	Error communicating with off-line processor.
14	No diagnostic for this unit.
15	Unit number invalid.
17	Unit not out-of-service or is unavailable.
20	An invalid phase was requested.

pp = phase in which the abort occurred

tttt = test in which the abort occurred

oo = operation aborted

4. ACTION TO BE TAKEN

SEE PROPRIETARY NOTICE ON COVER PAGE

DGN FIOC

DGN FIOC

Repeat the request later if desired.

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H267 FIOCT - FRAME I/O CONTROLLER DIAGNOSTIC

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt DGN FIOC cs STF
pp-tttt-oo a bbbb bbbb bbbb bbbb

2. EXPLANATION OF MESSAGE

Response to a FRAME I/O CONTROLLER diagnostic request message or an automatic diagnostic request. This indicates that some of the tests have failed.

3. EXPLANATION OF VARIABLE FIELD

c = control frame the FIOC is located on

s = system control the FIOC is located on

pp = phase in which the failure occurred

tttt = test in which the failure occurred

oo = operation that failed

a = mismatch results for the start code

bbbb bbbb bbbb bbbb = mismatch results for the expected reply

4. ACTION TO BE TAKEN

Refer to TLM and repair the faulty FIOC circuit.

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H267 FIOCT - FRAME I/O CONTROLLER DIAGNOSTIC
TLM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt DGN JC a b ABT n pp-tttt-oo

2. EXPLANATION OF MESSAGE

JUNCTOR CIRCUIT diagnostics have been aborted due to a TTY request or by recovery due to an emergency switch or due to insufficient system resources.

3. EXPLANATION OF VARIABLE FIELD

a = concentrator group of the JUNCTOR CIRCUIT

b = junctor switch number of the JUNCTOR CIRCUIT

n = diagnostic abort code (see list below):

<u>CODE</u>	<u>DESCRIPTION</u>
-------------	--------------------

0	System or manual request.
1	Diagnostic using invalid command.
2	Seize statement not pointing to seize block.
3	Unable to seize circuit or error in translations.
4	Doend not pointing to doloop statement.
5	Scan not pointing to seize block.
6	Operater not pointing to seize block.
7	Operate order failed.
8	Connect or disconnect not pointing to seize block.
9	Connect or disconnect experienced a peripheral error.
11	Path hunt was not pointing to a seize statement or was unable to find a path or was unable to select a TCR.
12	Path release was not pointing to path hunt or the TCR was inactive.
13	Release not pointing to seize or error while idling a circuit.
14	No diagnostic for this unit.
15	Invalid group number.
16	Invalid member number.
17	Unit not out-of-service.

SEE PROPRIETARY NOTICE ON COVER PAGE

DGN JC

DGN JC

- 18 The TCR has either timed out or was removed during an initialization.
- 20 An invalid phase was requested.

pp = phase in which the abort occurred

tttt = test in which the abort occurred

oo = operation aborted

4. ACTION TO BE TAKEN

Repeat the request later if desired.

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H286 JCTRT - JUNCTOR CIRCUIT TEST

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

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OM-3H300-03-C93

DGN JC

TOPS 233 143 100

DGN JC

TAP 122

THKS JAKE

1. OUTPUT MESSAGE FORMAT

tt DGN JC a b STF
pp-tttt-oo a bbbb bbbb bbbb bbbb

2. EXPLANATION OF MESSAGE

Response to a JUNCTOR CIRCUIT diagnostic request message or an automatic diagnostic request. This indicates that some of the tests have failed.

3. EXPLANATION OF VARIABLE FIELD

NET FRAME →

a = concentrator group of the JUNCTOR CIRCUIT

b = junctor switch number of the JUNCTOR CIRCUIT

pp = phase in which the failure occurred

tttt = test in which the failure occurred

oo = operation that failed

a = mismatch results for the start code

bbbb bbbb bbbb bbbb = mismatch results for the expected reply

4. ACTION TO BE TAKEN

Refer to TLM and repair the faulty JUNCTOR circuit.

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H286 JCTRT - JUNCTOR CIRCUIT TEST
TLM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

DGN JC

DGN JC

1. OUTPUT MESSAGE FORMAT

tt DGN JC a b COMPL

2. EXPLANATION OF MESSAGE

This message states the completion of a JUNCTOR CIRCUIT diagnostic request message for step or repeat mode or an unconditional test of the JUNCTOR CIRCUIT.

3. EXPLANATION OF VARIABLE FIELD

a = concentrator group of the JUNCTOR CIRCUIT

b = junctor switch number of the JUNCTOR CIRCUIT

4. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt DGN MAS ERR cu aaaaaaa gooddata baddata bit
MAS x MOD yy PACK vv DIP w.z

2. EXPLANATION OF MESSAGE

CU diagnostics have isolated a single bit main store (MAS) error (ERR). The exact location of the fault is identified along with the associated good and bad data. This message is used to replace and repair single bit memory failures.

The occurrence of this TTY output message indicates a main store error and must not be ignored. All memory packs identified by this message should be removed from the system as soon as possible. Failure to replace faulty circuit packs on a timely basis may result in a serious outage. The bad memory pack must be tagged with the DIP identifier (w.z) and returned to the factory for repair.

3. EXPLANATION OF VARIABLE FIELD

cu	= control unit associated with the failure
aaaaaaa	= address of the bad location
gooddata	= test pattern loaded
baddata	= data found on reread of bad location
bit	= logical bit no. in error (24 = parity low, 25 = parity high)
x	= MAS no. associated with failure
yy	= MODule no. of MAS
vv	= PACK position as marked on MAS frame
w.z	= DIP identification no. (for repair at factory)

4. ACTION TO BE TAKEN

Replace the memory pack identified by the message. Tag the bad pack with the corresponding DIP identification (w.z) and send in for repair.

DGN MAS ERR

DGN MAS ERR

5. REFERENCES

MASACS Main Store Access Routines Program

ALM=0 PRI=3 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C97

1. OUTPUT MESSAGE FORMAT

tt DGN NWC cs ATP

2. EXPLANATION OF MESSAGE

Response to a NETWORK CONTROLLER diagnostic request message indicating that all requested tests have passed.

3. EXPLANATION OF VARIABLE FIELD

c = control frame the NWC is located on

s = system control the NWC is located on

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H268 NTCT - NETWORK CONTROLLER DIAGNOSTIC

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt DGN NWC cs ABT n pp-tttt-oo

2. EXPLANATION OF MESSAGE

NETWORK CONTROLLER diagnostics have been aborted due to a TTY request or by recovery due to an emergency switch or due to insufficient system resources.

3. EXPLANATION OF VARIABLE FIELD

c = control frame the NWC is located on

s = system control the NWC is located on

n = diagnostic abort code (see list below):

<u>CODE</u>	<u>DESCRIPTION</u>
-------------	--------------------

0	System or manual request.
1	Diagnostic using invalid command.
2	Seize statement not pointing to seize block.
3	Unable to seize circuit or error in translations.
4	Doend not pointing to doloop statement.
6	Operate not pointing to seize statement.
7	Operate order failed.
10	Error communicating with off-line processor.
14	No diagnostic for this unit.
15	Unit number invalid.
17	Unit not out-of-service or is unavailable.
20	An invalid phase was requested.

pp = phase in which the abort occurred

tttt = test in which the abort occurred

oo = operation aborted

4. ACTION TO BE TAKEN

SEE PROPRIETARY NOTICE ON COVER PAGE

DGN NWC

DGN NWC

Repeat the request later if desired.

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H268 NTCT - NETWORK CONTROLLER DIAGNOSTIC

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C100

1. OUTPUT MESSAGE FORMAT

tt DGN NWC cs STF
pp-tttt-oo a bbbb bbbb bbbb bbbb

2. EXPLANATION OF MESSAGE

Response to a NETWORK CONTROLLER diagnostic request message or an automatic diagnostic request. This indicates that some of the tests have failed.

3. EXPLANATION OF VARIABLE FIELD

c = control frame the NWC is located on
s = system control the NWC is located on
pp = phase in which the failure occurred
tttt = test in which the failure occurred
oo = operation that failed
a = mismatch results for the start code
bbbb bbbb bbbb bbbb = mismatch results for the expected reply

4. ACTION TO BE TAKEN

Refer to TLM and repair the faulty NETWORK CONTROLLER circuit.

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H268 NTCT - NETWORK CONTROLLER DIAGNOSTIC
TLM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt DGN NWC cs COMPL

2. EXPLANATION OF MESSAGE

This message states the completion of a NETWORK CONTROLLER diagnostic request message for step or repeat mode or an unconditional test of the NETWORK CONTROLLER.

3. EXPLANATION OF VARIABLE FIELD

c = control frame the NETWORK CONTROLLER is located on

s = system control the NETWORK CONTROLLER is located on

4. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt DGN PPD cs ATP

2. EXPLANATION OF MESSAGE

Response to a PERIPHERAL PULSE DISTRIBUTOR diagnostic request message indicating that all requested tests have passed.

3. EXPLANATION OF VARIABLE FIELD

c = control frame the PPD is located on

s = system control the PPD is located on

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H269 PPDT - PERIPHERAL PULSE DISTRIBUTOR DIAGNOSTIC

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt DGN PPD cs ABT n pp-tttt-oo

2. EXPLANATION OF MESSAGE

PERIPHERAL PULSE DISTRIBUTOR diagnostics have been aborted due to a TTY request or by recovery due to an emergency switch or due to insufficient system resources.

3. EXPLANATION OF VARIABLE FIELD

c = control frame the PPD is located on

s = system control the PPD is located on

n = diagnostic abort code (see list below):

<u>CODE</u>	<u>DESCRIPTION</u>
-------------	--------------------

0	System or manual request.
1	Diagnostic using invalid command.
2	Seize statement not pointing to seize block.
3	Unable to seize circuit or error in translations.
4	Doend not pointing to doloop statement.
6	Operate not pointing to seize statement.
7	Operate order failed.
10	Error communicating with off-line processor.
14	No diagnostic for this unit.
15	Unit number invalid.
17	Unit not out-of-service or is unavailable.
20	An invalid phase was requested.

pp = phase in which the abort occurred

tttt = test in which the abort occurred

oo = operation aborted

4. ACTION TO BE TAKEN

SEE PROPRIETARY NOTICE ON COVER PAGE

DGN PPD

DGN PPD

Repeat the request later if desired.

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H269 PPDT - PERIPHERAL PULSE DISTRIBUTOR DIAGNOSTIC

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C105

1. OUTPUT MESSAGE FORMAT

tt DGN PPD cs STF
pp-tttt-oo a bbbb bbbb bbbb bbbb

2. EXPLANATION OF MESSAGE

Response to a PERIPHERAL PULSE DISTRIBUTOR diagnostic request message or an automatic diagnostic request. This indicates that some of the tests have failed.

3. EXPLANATION OF VARIABLE FIELD

c = control frame the PPD is located on
s = system control the PPD is located on
pp = phase in which the failure occurred
tttt = test in which the failure occurred
oo = operation that failed
a = mismatch results for the start code
bbbb bbbb bbbb bbbb = mismatch results for the expected reply

4. ACTION TO BE TAKEN

Refer to TLM and repair the faulty PPD circuit.

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H269 PPDT - PERIPHERAL PULSE DISTRIBUTOR DIAGNOSTIC
TLM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt DGN PPD cs COMPL

2. EXPLANATION OF MESSAGE

This message states the completion of a PPD diagnostic request message for step or repeat mode or an unconditional test of the PPD.

3. EXPLANATION OF VARIABLE FIELD

c = control frame the PPD is located on

s = system control the PPD is located on

4. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

DGN RT

DGN RT

1. OUTPUT MESSAGE FORMAT

tt DGN RT c ATP

2. EXPLANATION OF MESSAGE

Response to a RINGING AND TONE PLANT diagnostic request message indicating that all requested tests have passed.

3. EXPLANATION OF VARIABLE FIELD

c = Ringing and Tone plant being diagnosed

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H270 RTPT - RINGING AND TONE PLANT DIAGNOSTIC

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt DGN RT c ABT n pp-tttt-oo

2. EXPLANATION OF MESSAGE

RINGING AND TONE PLANT diagnostics have been aborted due to a TTY request or by recovery due to an emergency switch or due to insufficient system resources.

3. EXPLANATION OF VARIABLE FIELD

c = Ringing and Tone plant being diagnosed

n = diagnostic abort code (see list below):

<u>CODE</u>	<u>DESCRIPTION</u>
-------------	--------------------

0	System or manual request.
1	Diagnostic using invalid command.
2	Seize statement not pointing to seize block.
3	Unable to seize circuit or error in translations.
4	Doend not pointing to doloop statement.
6	Operate not pointing to seize statement.
7	Operate order failed.
10	Error communicating with off-line processor.
14	No diagnostic for this unit.
17	Unit not out-of-service or is unavailable.
20	An invalid phase was requested.

4. ACTION TO BE TAKEN

Repeat the request later if desired.

5. REFERENCES

SEE PROPRIETARY NOTICE ON COVER PAGE

DGN RT

DGN RT

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H270 RTPT - RINGING AND TONE PLANT DIAGNOSTIC

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C110

1. OUTPUT MESSAGE FORMAT

tt DGN RT c STF
pp-tttt-oo a bbbb bbbb bbbb bbbb

2. EXPLANATION OF MESSAGE

Response to a RINGING AND TONE PLANT diagnostic request message or an automatic diagnostic request. This indicates that some of the tests have failed.

3. EXPLANATION OF VARIABLE FIELD

c = ringing and tone plant diagnosed
pp = phase in which the failure occurred
tttt = test in which the failure occurred
oo = operation that failed
a = mismatch results for the start code
bbbb bbbb bbbb bbbb = mismatch results for the expected reply

4. ACTION TO BE TAKEN

Refer to TLM and repair the faulty RTPT circuit.

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H270 RTPT - RINGING AND TONE PLANT DIAGNOSTIC
TLM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

DGN RT

DGN RT

1. OUTPUT MESSAGE FORMAT

tt DGN RT c COMPL

2. EXPLANATION OF MESSAGE

This message states the completion of a RINGING AND TONE PLANT diagnostic request message for step or repeat mode or an unconditional test of the RINGING AND TONE PLANT.

3. EXPLANATION OF VARIABLE FIELD

c = Ringing and Tone plant diagnosed

4. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt DGN SC cs ATP

2. EXPLANATION OF MESSAGE

Response to a SCANNER CONTROLLER diagnostic request message indicating that all requested tests have passed.

3. EXPLANATION OF VARIABLE FIELD

c = control frame the SC is located on

s = system control the SC is located on

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H271 SCNT - SCANNER CONTROLLER DIAGNOSTIC

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt DGN SC cs ABT n pp-tttt-oo

2. EXPLANATION OF MESSAGE

SCANNER CONTROLLER diagnostics have been aborted due to a TTY request or by recovery due to an emergency switch or due to insufficient system resources.

3. EXPLANATION OF VARIABLE FIELD

c = control frame the SC is located on

s = system control the SC is located on

n = diagnostic abort code (see list below):

<u>CODE</u>	<u>DESCRIPTION</u>
-------------	--------------------

- | | |
|----|---|
| 0 | System or manual request. |
| 1 | Diagnostic using invalid command. |
| 2 | Seize statement not pointing to seize block. |
| 3 | Unable to seize circuit or error in translations. |
| 4 | Doend not pointing to doloop statement. |
| 6 | Operate not pointing to seize statement. |
| 7 | Operate order failed. |
| 10 | Error communicating with off-line processor. |
| 14 | No diagnostic for this unit. |
| 15 | Unit number invalid. |
| 17 | Unit not out-of-service or is unavailable. |
| 20 | An invalid phase was requested. |

pp = phase in which the abort occurred

tttt = test in which the abort occurred

oo = operation aborted

4. ACTION TO BE TAKEN

SEE PROPRIETARY NOTICE ON COVER PAGE

DGN SC

DGN SC

Repeat the request later if desired.

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H271 SCNT - SCANNER CONTROLLER DIAGNOSTIC

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C115

DGN SC

DGN SC

1. OUTPUT MESSAGE FORMAT

tt DGN SC cs STF
pp-tttt-oo a bbbb bbbb bbbb bbbb

2. EXPLANATION OF MESSAGE

Response to a SCANNER CONTROLLER diagnostic request message or an automatic diagnostic request. This indicates that some of the tests have failed.

3. EXPLANATION OF VARIABLE FIELD

c = control frame the SC is located on
s = system control the SC is located on
pp = phase in which the failure occurred
tttt = test in which the failure occurred
oo = operation that failed
a = mismatch results for the start code
bbbb bbbb bbbb bbbb = mismatch results for the expected reply

4. ACTION TO BE TAKEN

Refer to TLM and repair the faulty SCANNER CONTROLLER circuit.

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H271 SCNT - SCANNER CONTROLLER DIAGNOSTIC
TLM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt DGN SC cs COMPL

2. EXPLANATION OF MESSAGE

This message states the completion of a SCANNER CONTROLLER diagnostic request message for step or repeat mode or an unconditional test of the SCANNER CONTROLLER.

3. EXPLANATION OF VARIABLE FIELD

c = control frame the SCANNER CONTROLLER is located on

s = system control the SCANNER CONTROLLER is located on

4. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

DGN SVC

DGN SVC

1. OUTPUT MESSAGE FORMAT

tt DGN SVC a b ATP

2. EXPLANATION OF MESSAGE

Response to a SERVICE CIRCUIT diagnostic request message indicating that all requested tests have passed.

3. EXPLANATION OF VARIABLE FIELD

a = group number of the SERVICE CIRCUIT

b = member number of the SERVICE CIRCUIT

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt DGN SVC a b ABT n pp-tttt-oo

2. EXPLANATION OF MESSAGE

SERVICE CIRCUIT diagnostics have been aborted due to a TTY request or by recovery due to an emergency switch or due to insufficient system resources.

3. EXPLANATION OF VARIABLE FIELD

a = group number of the SERVICE CIRCUIT

b = member number of the SERVICE CIRCUIT

n = diagnostic abort code (see list below):

<u>CODE</u>	<u>DESCRIPTION</u>
-------------	--------------------

- | | |
|----|---|
| 0 | System or manual request. |
| 1 | Diagnostic using invalid command. |
| 2 | Seize statement not pointing to seize block. |
| 3 | Unable to seize circuit or error in translations. |
| 4 | Doend not pointing to doloop statement. |
| 5 | Scan not pointing to seize block. |
| 6 | Operater not pointing to seize block. |
| 7 | Operate order failed. |
| 8 | Connect or disconnect not pointing to seize block. |
| 9 | Connect or disconnect experienced a perpheral error. |
| 11 | Path hunt was not pointing to a seize statement or was unable to find a path or was unable to select a TCR. |
| 12 | Path release was not pointing to path hunt or the TCR was inactive. |
| 13 | Release not pointing to seize or error while idling a circuit. |
| 14 | No diagnostic for this unit. |
| 15 | Invalid group number. |
| 16 | Invalid member number. |
| 17 | Unit not out-of-service. |

SEE PROPRIETARY NOTICE ON COVER PAGE

DGN SVC

DGN SVC

- 18 The TCR has either timed out or was removed during an initialization.
- 20 An invalid phase was requested.

pp = phase in which the abort occurred

tttt = test in which the abort occurred

oo = operation aborted

4. ACTION TO BE TAKEN

Repeat the request later if desired.

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H280 CCCT - COIN CONTROL CIRCUIT TEST
PR-3H281 CDPRT - CUSTOMER DIAL PULSE RECEIVER TESTS
PR-3H282 CNPLT - CONTINUITY AND POLARITY TEST CIRCUIT TEST
PR-3H283 DPRCT - DIAL PULSE RECEIVER TEST CIRCUIT TEST
PR-3H285 SUPRT - SUPERIMPOSED RINGING CIRCUIT TEST
PR-3H287 LENT - LOOP ENVIRONMENT TEST CIRCUIT TEST
PR-3H288 MFRT - MULTIFREQUENCY RECEIVER TEST
PR-3H289 MFTT - MULTIFREQUENCY TRANSMITTER TEST
PR-3H290 MWLAT - MILLIWATT AND TRANSMISSION ENVIRONMENT TEST
CIRCUIT TEST
PR-3H292 RACT - RECORDED ANNOUNCEMENT TEST
PR-3H293 RRCT - REGULAR RINGING CIRCUIT TEST
PR-3H294 TDPTT - DIAL PULSE TRANSMITTER CIRCUIT TEST
PR-3H295 TPDT - TONE PRESENT TEST CIRCUIT TESTS
PR-3H296 TTRCT - TOUCH-TONE RECEIVER TEST CIRCUIT TEST

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt DGN SVC a b STF
pp-tttt-oo a bbbb bbbb bbbb bbbb

2. EXPLANATION OF MESSAGE

Response to a SERVICE CIRCUIT diagnostic request message or an automatic diagnostic request. This indicates that some of the tests have failed.

3. EXPLANATION OF VARIABLE FIELD

a = group number of the SERVICE CIRCUIT
b = member number of the SERVICE CIRCUIT
pp = phase in which the failure occurred
tttt = test in which the failure occurred
oo = operation that failed
a = mismatch results for the start code
bbbb bbbb bbbb bbbb = mismatch results for the expected reply

4. ACTION TO BE TAKEN

Refer to TLM and repair the faulty SERVICE circuit.

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H280 CCCT - COIN CONTROL CIRCUIT TEST
PR-3H281 CDPRT - CUSTOMER DIAL PULSE RECEIVER TESTS
PR-3H282 CNPLT - CONTINUITY AND POLARITY TEST CIRCUIT TEST
PR-3H283 DPRCT - DIAL PULSE RECEIVER TEST CIRCUIT TEST

SEE PROPRIETARY NOTICE ON COVER PAGE

DGN SVC

DGN SVC

PR-3H285 SUPRT - SUPERIMPOSED RINGING CIRCUIT TEST
PR-3H287 LENT - LOOP ENVIRONMENT TEST CIRCUIT TEST
PR-3H288 MFRT - MULTIFREQUENCY RECEIVER TEST
PR-3H289 MFTT - MULTIFREQUENCY TRANSMITTER TEST
PR-3H290 MWLAT - MILLIWATT AND TRANSMISSION ENVIRONMENT TEST
CIRCUIT TEST
PR-3H292 RACT - RECORDED ANNOUNCEMENT TEST
PR-3H293 RRCT - REGULAR RINGING CIRCUIT TEST
PR-3H294 TDPTT - DIAL PULSE TRANSMITTER CIRCUIT TEST
PR-3H295 TPDT - TONE PRESENT TEST CIRCUIT TESTS
PR-3H296 TTRCT - TOUCH-TONE RECEIVER TEST CIRCUIT TEST
TLM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

DGN SVC

DGN SVC

1. OUTPUT MESSAGE FORMAT

tt DGN SVC a b COMPL

2. EXPLANATION OF MESSAGE

This message states the completion of a SERVICE CIRCUIT diagnostic request message for step or repeat mode or an unconditional test of the SERVICE CIRCUIT.

3. EXPLANATION OF VARIABLE FIELD

a = group number of the SERVICE CIRCUIT

b = member number of the SERVICE CIRCUIT

4. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C123

DGN TAPE

DGN TAPE

1. OUTPUT MESSAGE FORMAT

tt DGN TAPE aa bb cc dd ee ff

2. EXPLANATION OF MESSAGE

Response associated with failing tape diagnostics.

3. EXPLANATION OF VARIABLE FIELD

aa Failing tape data controller.
bb Failing test number.
cc Failing segment number.
dd R9 at point of failure
ee R10 at point of failure.
ff R11 at point of failure.

4. ACTION TO BE TAKEN

Refer to TDC TLM.

5. REFERENCES

PR-1C958 CTAPM Tape diagnostics.

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt DGN TAPE aa bb

2. EXPLANATION OF MESSAGE

General tape message used to indicate that a function atp'ed, completed.

3. EXPLANATION OF VARIABLE FIELD

aa Tape number
bb If equal to ATP test runs without failure found.
bb If equal to COMPL, indicates the termination
of a diagnostic sequence run under ucl mode.

4. ACTION TO BE TAKEN

If aborted seek out why in CTAPH or CBLM.

5. REFERENCES

PR-1C958 CTAPM Tape diagnostics.

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

DGN TAPE

DGN TAPE

1. OUTPUT MESSAGE FORMAT

tt DGN TAPE aa ABT bb

2. EXPLANATION OF MESSAGE

Tape diagnostics were aborted.

3. EXPLANATION OF VARIABLE FIELD

aa Tape number
bb Either 0 or 1
 0 indicates that msf controller
 requested an abort.
 1 indicates that test 6 could
 not access mate unit to
 initiate test.

4. ACTION TO BE TAKEN

If abort 0 seek out why system forced abort.

If abort 1 seek out procedure in TDC tlm for
running tape diag. if both TDCs are out of
service.

5. REFERENCES

PR-1C958 CTAPM Tape diagnostics.

ALM=0 PRI=0 CHL=MTM,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

DGN TRK

DGN TRK

1. OUTPUT MESSAGE FORMAT

tt DGN TRK a b ATP

2. EXPLANATION OF MESSAGE

Response to a TRUNK diagnostic request message indicating that all requested tests have passed.

3. EXPLANATION OF VARIABLE FIELD

a = group number of the TRUNK

b = member number of the TRUNK

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H284 EMTWT - TWO-WAY E&M TRUNK TEST
PR-3H291 ORBT - OUTGOING REVERSE BATTERY TRUNK TEST
PR-3H297 TTRT - TRUNK OPERATIONAL AND TRANSMISSION TESTS

ALM=0 CHL=MTC,MTR,SO

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C127

1. OUTPUT MESSAGE FORMAT

tt DGN TRK a b ABT n pp-tttt-oo

2. EXPLANATION OF MESSAGE

TRUNK diagnostics have been aborted due to a TTY request or by recovery due to an emergency switch or due to insufficient system resources.

3. EXPLANATION OF VARIABLE FIELD

a = group number of the TRUNK

b = member number of the TRUNK

n = diagnostic abort code (see list below):

CODE DESCRIPTION

- 0 System or manual request.
- 1 Diagnostic using invalid command.
- 2 Seize statement not pointing to seize block.
- 3 Unable to seize circuit or error in translations.
- 4 Doend not pointing to doloop statement.
- 5 Scan not pointing to seize block.
- 6 Operater not pointing to seize block.
- 7 Operate order failed.
- 8 Connect or disconnect not pointing to seize block.
- 9 Connect or disconnect experienced a perpheral error.
- 11 Path hunt was not pointing to a seize statement or was unable to find a path or was unable to select a TCR.
- 12 Path release was not pointing to path hunt or the TCR was inactive.
- 13 Release not pointing to seize or error while idling a circuit.
- 14 No diagnostic for this unit.
- 15 Invalid group number.
- 16 Invalid member number.
- 17 Unit not out-of-service.

SEE PROPRIETARY NOTICE ON COVER PAGE

DGN TRK

DGN TRK

18 The TCR has either timed out or was removed
during an initialization.

20 An invalid phase was requested.

pp = phase in which the abort occurred

tttt = test in which the abort occurred

oo = operation aborted

4. ACTION TO BE TAKEN

Repeat the request later if desired.

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H284 EMTWT - TWO-WAY E&M TRUNK TEST
PR-3H291 ORBT - OUTGOING REVERSE BATTERY TRUNK TEST
PR-3H297 TTRT - TRUNK OPERATIONAL AND TRANSMISSION TESTS

ALM=0 CHL=MTC,MTR,SO

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C129

1. OUTPUT MESSAGE FORMAT

tt DGN TRK a b STF
pp-tttt-oo a bbbb bbbb bbbb bbbb

2. EXPLANATION OF MESSAGE

Response to a TRUNK diagnostic request message or an automatic diagnostic request. This indicates that some of the tests have failed.

3. EXPLANATION OF VARIABLE FIELD

a = group number of the TRUNK

b = member number of the TRUNK

pp = phase in which the failure occurred

tttt = test in which the failure occurred

oo = operation that failed

a = mismatch results for the start code

bbbb bbbb bbbb bbbb = mismatch results for the expected reply

4. ACTION TO BE TAKEN

Refer to TLM and repair the faulty TRUNK circuit.

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H284 EMTWT - TWO-WAY E&M TRUNK TEST
PR-3H291 ORBT - OUTGOING REVERSE BATTERY TRUNK TEST
PR-3H297 TTRT - TRUNK OPERATIONAL AND TRANSMISSION TESTS
TLM

ALM=0 CHL=MTC,MTR,SO

SEE PROPRIETARY NOTICE ON COVER PAGE

DGN TRK

DGN TRK

1. OUTPUT MESSAGE FORMAT

tt DGN TRK a b COMPL

2. EXPLANATION OF MESSAGE

This message states the completion of a TRUNK diagnostic request message for step or repeat mode or an unconditional test of the TRUNK.

3. EXPLANATION OF VARIABLE FIELD

a = group number of the TRUNK

b = member number of the TRUNK

4. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM

ALM=0 CHL=MTC,MTR,SO

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C131

DGN TTYC

DGN TTYC

1. OUTPUT MESSAGE FORMAT

tt DGN TTYC c ATP

2. EXPLANATION OF MESSAGE

Response to a TTY CONTROLLER diagnostic request message indicating that all requested tests have passed.

3. EXPLANATION OF VARIABLE FIELD

c = TTY controller being diagnosed

4. ACTION TO BE TAKEN

Normally none, but if the TTY CONTROLLER still is not working, check the list of items below, in the order given.

POSSIBLE PROBLEMS

1. Interrupt Cables
2. Translations
3. Data Set
4. TTY

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H272 TTYT - TTY CONTROLLER DIAGNOSTIC

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt DGN TTYC a COMPL ATP IN/OOS

2. EXPLANATION OF MESSAGE

This message is in response to either the request to diagnose a TTYC or to restore a TTYC. It indicates that the diagnostics have been performed, and also indicates the results and in what state the the TTYC was left. If errors were encountered, error messages describing the errors encountered will have preceded this message.

3. EXPLANATION OF VARIABLE FIELD

a	TTYC number that was diagnosed.
ATP	Indicates that all tests have passed. Will not print when errors occur during diagnostics.
IN	Indicates that the TTYC was left in the in-service state..
OOS	Indicates that the TTYC was left in the out-of-service state.

4. ACTION TO BE TAKEN

In the event of errors, evaluate the fault message(s), and take required action to correct the problem.

5. REFERENCES

PR-1C961 CTTYT

ALM=M PRI=3 CHL=MTC

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt DGN TTYC c ABT n pp-tttt-oo

2. EXPLANATION OF MESSAGE

TTY CONTROLLER diagnostics have been aborted due to a TTY request or by recovery due to an emergency switch or due to insufficient system resources.

3. EXPLANATION OF VARIABLE FIELD

c = TTYC diagnosed

n = diagnostic abort code (see list below):

<u>CODE</u>	<u>DESCRIPTION</u>
-------------	--------------------

0	System or manual request.
1	Diagnostic using invalid command.
2	Seize statement not pointing to seize block.
3	Unable to seize circuit or error in translations.
4	Doend not pointing to doloop statement.
6	Operate not pointing to seize statement.
7	Operate order failed.
10	Error communicating with off-line processor.
14	No diagnostic for this unit.
15	Unit number invalid.
17	Unit not out-of-service or is unavailable.
20	An invalid phase was requested.

pp = phase in which the abort occurred

tttt = test in which the abort occurred

oo = operation aborted

4. ACTION TO BE TAKEN

Repeat the request later if desired.

DGN TTYC

DGN TTYC

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H272 TTYT - TTY CONTROLLER DIAGNOSTIC

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C135

1. OUTPUT MESSAGE FORMAT

tt DGN TTYC c STF
pp-tttt-oo a bbbb bbbb bbbb bbbb

2. EXPLANATION OF MESSAGE

Response to a TTY CONTROLLER diagnostic request message or an automatic diagnostic request. This indicates that some of the tests have failed.

3. EXPLANATION OF VARIABLE FIELD

c = TTY Controller diagnosed
pp = phase in which the failure occurred
tttt = test in which the failure occurred
oo = operation that failed
a = mismatch results for the start code
bbbb bbbb bbbb bbbb = mismatch results for the expected reply

4. ACTION TO BE TAKEN

If an AR-17 pack, without a TTY connected, is plugged into the TTY CONTROLLER being diagnosed it will cause this message. Pull the pack temporarily before running the diagnostic.

If a=1 then there is a problem with the I/O cables or the TTY CONTROLLER circuit packs (see list below).

If a=0 and b has any bits set then there is a problem with the TTY CONTROLLER circuit packs (see list below).

PACK FAILURE LIST

SEE PROPRIETARY NOTICE ON COVER PAGE

DGN TTYC

DGN TTYC

(listed in order of most likely to fail)

1. Data Set
2. FC200
3. FA1072
4. FA1058

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H272 TTYT - TTY CONTROLLER DIAGNOSTIC

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C137

DGN TTYC

DGN TTYC

1. OUTPUT MESSAGE FORMAT

tt DGN TTYC c COMPL

2. EXPLANATION OF MESSAGE

This message states the completion of a TTY CONTROLLER diagnostic request message for step or repeat mode or an unconditional test of the TTY CONTROLLER.

3. EXPLANATION OF VARIABLE FIELD

c = TTYC diagnosed

4. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H272 TTYT - TTY CONTROLLER DIAGNOSTIC

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt DGN TV TC a ATP

2. EXPLANATION OF MESSAGE

Response to a TEST VERTICAL TEST CIRCUIT diagnostic request message indicating that all requested tests have passed.

3. EXPLANATION OF VARIABLE FIELD

a = circuit number of the TEST VERTICAL TEST CIRCUIT

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H298 TVCT - FCG, PC, RV AND TEST VERTICAL CIRCUIT TESTS

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt DGN TV TC a b ABT n pp-tttt-oo

2. EXPLANATION OF MESSAGE

TEST VERTICAL TEST CIRCUIT diagnostics have been aborted due to a TTY request or by recovery due to an emergency switch or due to insufficient system resources.

3. EXPLANATION OF VARIABLE FIELD

a = circuit number of the TEST VERTICAL TEST CIRCUIT

n = diagnostic abort code (see list below):

<u>CODE</u>	<u>DESCRIPTION</u>
-------------	--------------------

- | | |
|----|---|
| 0 | System or manual request. |
| 1 | Diagnostic using invalid command. |
| 2 | Seize statement not pointing to seize block. |
| 3 | Unable to seize circuit or error in translations. |
| 4 | Doend not pointing to doloop statement. |
| 5 | Scan not pointing to seize block. |
| 6 | Operater not pointing to seize block. |
| 7 | Operate order failed. |
| 8 | Connect or disconnect not pointing to seize block. |
| 9 | Connect or disconnect experienced a perpheral error. |
| 11 | Path hunt was not pointing to a seize statement or was unable to find a path or was unable to select a TCR. |
| 12 | Path release was not pointing to path hunt or the TCR was inactive. |
| 13 | Release not pointing to seize or error while idling a circuit. |
| 14 | No diagnostic for this unit. |
| 15 | Invalid group number. |
| 16 | Invalid member number. |
| 17 | Unit not out-of-service. |

SEE PROPRIETARY NOTICE ON COVER PAGE

DGN TV TC

DGN TV TC

- 18 The TCR has either timed out or was removed during an initialization.
- 20 An invalid phase was requested.

pp = phase in which the abort occurred

tttt = test in which the abort occurred

oo = operation aborted

4. ACTION TO BE TAKEN

Repeat the request later if desired.

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H298 TVCT - FCG, PC, RV AND TEST VERTICAL CIRCUIT TESTS

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C141

1. OUTPUT MESSAGE FORMAT

tt DGN TV TC a STF
pp-tttt-oo a bbbb bbbb bbbb bbbb

2. EXPLANATION OF MESSAGE

Response to a TEST VERTICAL TEST CIRCUIT diagnostic request message or an automatic diagnostic request. This indicates that some of the tests have failed.

3. EXPLANATION OF VARIABLE FIELD

a = circuit number of the TEST VERTICAL TEST CIRCUIT

pp = phase in which the failure occurred

tttt = test in which the failure occurred

oo = operation that failed

a = mismatch results for the start code

bbbb bbbb bbbb bbbb = mismatch results for the expected reply

4. ACTION TO BE TAKEN

Refer to TLM and repair the faulty TEST VERTICAL TEST circuit.

5. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM
PR-3H298 TVCT - FCG, PC, RV AND TEST VERTICAL CIRCUIT TESTS
TLM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt DGN TV TC a COMPL

2. EXPLANATION OF MESSAGE

This message states the completion of a TEST VERTICAL TEST CIRCUIT diagnostic request message for step or repeat mode or an unconditional test of the TEST VERTICAL TEST CIRCUIT.

3. EXPLANATION OF VARIABLE FIELD

a = circuit number of the TEST VERTICAL TEST CIRCUIT

4. REFERENCES

PR-3H266 DCON - DIAGNOSTIC CONTROL PROGRAM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

DIST COMPL

DIST COMPL

1. OUTPUT MESSAGE FORMAT

tt DIST COMPL

2. EXPLANATION OF MESSAGE

In response to any of the reallocation input messages, the program store reallocation has been completed in the offline store. To complete the reallocation see input messages DIST:SW, DIST:UPD, AND DIST:ABT.

3. REFERENCES

PR3H106 (DISTRT) REALLOCATION - Miscellaneous subroutines

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

DIST ERR

DIST ERR

1. OUTPUT MESSAGE FORMAT

tt DIST ERR nnnn

OR

tt DIST ERR nnnn kw

2. EXPLANATION OF MESSAGE

This message is an error code in response to a distribute (reallocation) input message.

The error was encountered on the previous input message. The reason for the error is given below.

3. EXPLANATION OF VARIABLE FIELD

nnnn = error number. Individual definitions follow.
kw = KEYWORD is an optional parameter on the message.
KW is a keyword that can be associated with the error number.

0000 =

Default error code.

1011 =

Incorrect keyword data.

1015 =

Keyword data is out of range.

1101 =

Error in attempting to write into the off-line store.

3111 =

Input route index is greater than 255.

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C145

DIST ERR

DIST ERR

8000 =

Off-line Store in process of being updated.

8001 =

Lock Key not operated.

8002 =

Initialization in progress.

8003 =

Off-line System Control (SYC) is out of service.

8004 =

Reallocation is not in progress.

8005 =

A reallocation is already in progress.

8006 =

On-line MAS is marked out of date.

8007 =

Off-line Network Controller (NWC) is out of service.

8008 =

Off-line Scanner Controller (SC) is out of service.

8009 =

Off-line Peripheral Pulse Decoder Controller (PPD) is out of service.

8010 =

DIST_BUF Buffer overflow in program DISTSD.

8011 =

Reallocation error on PASS2 of DIST_BUF.

8012 =

SEE PROPRIETARY NOTICE ON COVER PAGE

DIST ERR

DIST ERR

Error in updating the MTI on PASS3 of DIST_BUF.

8013 =

Insufficient number of spares in protected store.

8014 =

Insufficient number of spares in temporary store.

8015 =

Invalid data - the number of entries requested already exist.

8016 =

Entries to be deleted are not vacant.

8017 =

RMV is invalid - translation does not exist.

8018 =

The other System Control (SYC) has the new translation layout.

8019 =

Unable to switch System Control (SYC) because lock key is operated.

8020 =

Switch has already occurred.

8021 =

Unable to switch System Control (SYC).

8022 =

The administration control program is not allowed.

8030 =

The group is not defined.

8031 =

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

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OM-3H300-03-C147

DIST ERR

DIST ERR

The Office Index for this Thousands Group does not exist.

8032 =

The number of availability bits does not match the number of entries in the call forwarding or message register tables.

8033 =

A member list or a selection status block index is not filled in for an unassigned group in group data.

8034 =

The size of the AMA buffer cannot be changed while AMA is active. See RC:OFFICE message.

8050 =

This function is not implemented yet.

4. ACTION TO BE TAKEN

Correct the message and retype.

5. REFERENCES

The programs which output these messages are the DISTribute (reallocation) programs. Also refer to the DIST:xxxx input message previously inputted.

ALM=0 CHL=MTC,MTR,SO,TRF

SEE PROPRIETARY NOTICE ON COVER PAGE

DMP INITQ

DMP INITQ

1. OUTPUT MESSAGE FORMAT

```
tt  DMP INITQ aa
    dd dd dd dd dd dd dd dd
    dd dd dd dd dd dd dd dd
```

2. EXPLANATION OF MESSAGE

Response to a DMP:INITQ input message. An initialization has occurred. The contents of the off-line was frozen at the time of the initialization and is now being dumped.

3. EXPLANATION OF VARIABLE FIELD

aa = address of the first store word printed
dd = contents of off-line store words beginning with aa

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-1C962 CUTIL Common Utilities

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

DMP OFLST

DMP OFLST

1. OUTPUT MESSAGE FORMAT

```
tt  DMP OFLST aa
    dd dd dd dd dd dd dd dd
    dd dd dd dd dd dd dd dd
```

2. EXPLANATION OF MESSAGE

Response to a DMP:OFLST input message. If the QNC action option was specified, a match has occurred.

3. EXPLANATION OF VARIABLE FIELD

aa = address of the first store word printed
dd = contents of store words beginning at aa

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-1C962 CUTIL Common Utilities

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

DMP REG OFL

DMP REG OFL

1. OUTPUT MESSAGE FORMAT

```
tt  DMP REG OFL
r0  r1  r2  r3  r4  r5  r6  r7
r8  r9  r10 r11 r12 r13 r14 r15
di  dk  hg  ib  im  is  ms  sdr
sdr1 sir sir1 0   0   0   0   0
ai   ak      ar   br
cr   pa      rar  sar
DMP REG OFL COMPL
```

2. EXPLANATION OF MESSAGE

Response to a DMP:REG OFL input message.

3. EXPLANATION OF VARIABLE FIELD

The variable fields are the contents of the registers corresponding to the mnemonics in the template of the output message.

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

DMP REG OFL

DMP REG OFL

1. OUTPUT MESSAGE FORMAT

tt DMP REG OFL STOPPED

2. EXPLANATION OF MESSAGE

Response to a DMP:REG OFL input message. The function has been stopped by the multi-scan function controller or manually interrupted via the TTY break switch.

3. EXPLANATION OF VARIABLE FIELD

none

4. ACTION TO BE TAKEN

Stop the conflicting function or wait for it to terminate.

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

DMP ST

DMP ST

1. OUTPUT MESSAGE FORMAT

```
tt  DMP ST aa
    dd dd dd dd dd dd dd dd
    dd dd dd dd dd dd dd dd
```

2. EXPLANATION OF MESSAGE

Response to a DMP:ST input message. If the .ONC action option was specified, a match has occurred.

3. EXPLANATION OF VARIABLE FIELD

aa = address of first store word printed
dd = contents of store words beginning at aa

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-1C962 CUTIL Common Utilities

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

DMP TAPE BLK

DMP TAPE BLK

1. OUTPUT MESSAGE FORMAT

tt DMP TAPE BLK aa bb
cc cc cc cc cc cc cc cc

.
.
.

TAPEUTIL COMPL

DMP TAPE SEG dd aa bb
cc cc cc cc cc cc cc cc

.
.
.

TAPEUTIL COMPL

DMP TAPE LABEL FILE a
 generic
 issue
 office id (optional)

TAPEUTIL COMPL

DMP TAPE DIRECTRY a
 filename START
ee ff END gg hh ii
 filename START
ee ff END gg hh ii

.
.
.

TAPEUTIL COMPL

2. EXPLANATION OF MESSAGE

Responses to the variations of the DMP:TAPE input message.

SEE PROPRIETARY NOTICE ON COVER PAGE

3. EXPLANATION OF VARIABLE FIELD

a = Tape number
aa = Block number in decimal
bb = Block number in octal
cc = Contents of block or segment requested
dd = Segment number in decimal
ee = Track number of starting block
ff = Starting block in decimal
gg = Track number of ending block
hh = Ending block number in decimal
ii = Number of blocks in decimal

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

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EX NW

EX NW

1. OUTPUT MESSAGE FORMAT

tt EX NW n START AUTO

2. EXPLANATION OF MESSAGE

Used to indicate that the NetWork fabric EXercise has been
STARTed AUTOMatically.

3. EXPLANATION OF VARIABLE FIELD

n is the CONCENTRATOR GROUP (1-15) being exercised

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-3H313 NFEX
Network Fabric Exercise

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt EX NW status switch location failure
path-information

2. EXPLANATION OF MESSAGE

Used to indicate a failure of a NetWork fabric EXercise test. The crosspoint being tested, the type of failure occurring, and the path used are identified.

3. EXPLANATION OF VARIABLE FIELD

status

STOPPED - indicates that the running of the exercise has been terminated with this failure.

FALT - indicates that the running of the exercise is continuing beyond this failure. This only happens in the UCL mode.

switch is the SWITCH being tested

TV - test vertical

OSW - output switch (2nd stage)

ISW - input switch (1st stage)

JSW - junctor switch (3rd stage)

(Note: Determine crosspoint from path-information.)

location is the EQUIPMENT LOCATION of the switch

Nf-yy-zz ==> network frame

C-byy-zz ==> control frame

where f - frame

b - bay

yy - level

zz - position

(Note: Determine concentrator group from path-information.)

failure is the FAILURE TYPE occurring

FCG - indicates a False Cross and Ground failure

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EX NW

EX NW

occurred. the tested crosspoint may be stuck closed or a link in the path may be shorted to battery or ground.

RVF - indicates a Restore Verify Failure occurred. The tested crosspoint may be stuck open or a link in the path may be open or contain a tip/ring reversal.

NWC - indicates that a NetWork Controller error occurred. a fault may exist in the control portion of the path selected. (Note: Be sure the NWC being used passes diagnostics.)

ERR n - indicates the ERRor identified by value n occurred.

- 0 - catalog data error
- 1 - TCR timed out
- 2 - TCR data error
- 3 - TCR action error
- 4 - NWC error
- 5 - PPD error
- 6 - queue or hopper overflow
- 7 - test vertical unavailable
- 8 - false cross and ground failure
- 9 - power cross failure
- 10 - continuity failure
- 11 - restore verify failure
- 12 - peripheral action timed out

path-information is the TIP-RING PATH selected for the test

TEN n cgil ==> terminal equipment number

ALNK n cok ==> A-link

BLNK n j ==> wire B-link

JC n j ==> junctor B-link

where n - concentrator group (1-15)

c - concentrator (0-1)

g - switch group (0-2)

i - input switch (0-7)

l - input switch level (0-7)

o - output switch (0-7)

k - output switch level (0-7)

j - junctor switch (0-31)

4. ACTION TO BE TAKEN

SEE PROPRIETARY NOTICE ON COVER PAGE

EX NW

EX NW

Remove the faulty links from service by TTY request and repair the fault if possible. consider using the UCL, RPT, or STEP modes of operation to gather more information about the trouble.

5. REFERENCES

PR-3H313 NFEX
Network Fabric Exercise

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C160

EX NW ABT

EX NW ABT

1. OUTPUT MESSAGE FORMAT

tt EX NW ABT a
n1 n2 n3 n4 n5 n6

2. EXPLANATION OF MESSAGE

Used to indicate that the NetWork fabric EXercise has been ABorted.

3. EXPLANATION OF VARIABLE FIELD

a ABORT REASON

blank

An abort request was received or 50 failure messages have already been generated.

LIST FULL

The network link out-of-service LIST is too FULL for the exercise to run. A few A-links or wire B-links will have to be restored to service before resuming the exercise.

REQ INVD

The REQuest is INValiD. Either the portion of the network to exercise is identified erroneously or the message is constructed incorrectly.

N1 n2

These numbers identify the total number of crosspoints tested. n1 is the number of crosspoints tested that passed and n2 is the number that failed.

N3 n4 n5 n6

These numbers identify the total number of crosspoints not tested for the following 4 reasons respectively:

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EX NW ABT

EX NW ABT

- 1) loop-start line or unassigned terminal unavailable,
- 2) idle terminal unavailable,
- 3) path unavailable (link blocking),
- 4) test vertical unavailable.

4. ACTION TO BE TAKEN

Request the exercise again if desired.

5. REFERENCES

PR-3H313 NFEX
Network Fabric Exercise

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt EX NW COMPL status
n1 n2 n3 n4 n5 n6

2. EXPLANATION OF MESSAGE

Used to indicate that the NetWork fabric EXercise has run to COMPLEtion.

3. EXPLANATION OF VARIABLE FIELD

status

ATP - indicates that All Tests which were run have Passed.

STF - indicates that Some Tests have Failed. This only happens in the UCL mode and the failing messages have been previously generated.

N1 n2

These numbers identify the total number of crosspoints tested. n1 is the number of crosspoints tested that passed and n2 is the number that failed.

N3 n4 n5 n6

These numbers identify the total number of crosspoints not tested for the following 4 reasons respectively:

- 1) loop-start line or unassigned terminal unavailable,
- 2) idle terminal unavailable,
- 3) path unavailable (link blocking),
- 4) test vertical unavailable.

4. ACTION TO BE TAKEN

SEE PROPRIETARY NOTICE ON COVER PAGE

EX NW COMPL

EX NW COMPL

none

5. REFERENCES

PR-3H313 NFEX
Network Fabric Exercise

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C164

EX SSP COMPL

EX SSP COMPL

1. OUTPUT MESSAGE FORMAT

tt EX SSP COMPL

2. EXPLANATION OF MESSAGE

Used to report the normal completion of the system status panel exercise.

3. EXPLANATION OF VARIABLE FIELD

None

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-1C950 CBLM - Common Base Level Monitor

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C165

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HOURLY REPORT

HOURLY REPORT

1. OUTPUT MESSAGE FORMAT

```

tt HOURLY REPORT mo/dy/yr T1:T2:T3 office
  SYC 0 state1
    CU 0 ss state1
    SC 00 TEC cc state2
    NWC 00 TEC cc state2
    PPD 00 TEC cc state2
    SC 10 TEC cc state2 (if equipped)
    NWC 10 TEC cc state2 (if equipped)
    PPD 10 TEC cc state2 (if equipped)
  SYC 1 state1
    CU 1 ss state1
    SC 01 TEC cc state2
    NWC 01 TEC cc state2
    PPD 01 TEC cc state2
    SC 11 TEC cc state2 (if equipped)
    NWC 11 TEC cc state2 (if equipped)
    PPD 11 TEC cc state2 (if equipped)
  RT 0 state2
  RT 1 state2
  SM m ROW TRBL
    .
    .
    .
  SM m COL yy TRBL
    .
    .
    .
  PD c g TRBL
    .
    .
    .
  (NO SM/PD FLTS)
  ALM STAT a1 a2 ...an
  TAPE 0 state3
  TAPE 1 state3
  AMA PRIMARY state4
  AMA BACK UP state4
  OA state4
  TV TC t STAT state5
END OF REPORT

```

2. EXPLANATION OF MESSAGE

This message is printed every hour to provide the status of the major components of the system. This includes: The status of

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HOURLY REPORT

HOURLY REPORT

each System Control (SYC0 and SYC1) and its major components which include: Control Unit (CU) with status word; Scanner Controllers (SCs) with associated Transient Error Counts; Network Controllers (NWCs) with associated transient Error Counts; and Peripheral Pulse Distributors (PPDs) with associated Transient Error Counts, if they are equipped.

The status of the ringing and tone plant (RT0) and (RT1).

A list of scan matrix row (SM ROW) faults, scan matrix column (SM COL) faults, or peripheral decoder (PD) faults if they exist otherwise "NO SM/PD FITS" is printed.

The ALarM STATus of the system.

3. EXPLANATION OF VARIABLE FIELD

state1 - one of the following states:

ACT - active
STBY - standby
OOS - out of service
UAV - unavailable

ss - contains the processor state.

<u>Bit No</u>	<u>Definition</u>
0	Off-line CU is standby ready
1	Off-line CU is out-of-service
2	Off-line CU is unavailable (locked or forced)
3	System is in initialization interval - last initialization was less than 2 minutes ago
4	Off-line CU has been automatically removed due to a fault
5	Off-line CU has been removed by TTY request
6	System is updating the off-line CU memory
7	A program is using the off-line CU
8	Off-line CU panel is in MANUAL

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HOURLY REPORT

HOURLY REPORT

9 0 - CU0 is on-line
 1 - CU1 is on-line
 10 Off-line main store is out-of-service
 11 System status panel is out-of-service
 12 Maintenance channel is out-of-service
 13 A restore CU is in progress
 14 An unconditional switch is in
 progress
 15 Power key on off-line CC is operated

cc - the transient error count (TEC) for the last
 hour.

state2 - one of the following states:

ACT - active
 STBY - standby
 OOS - out of service
 UAV - unavailable
 ACT-TRBL - active trouble (The controller
 is active; however, a failure was
 detected on it.)
 ACT-UAV - active unavailable (The controller is
 active; however, it is also
 unavailable, i.e., power is off.)
 INVALID - invalid (The status table STAT_
 TBL is not consistent with
 any understandable status.)

m - specifies which Scan Matrix (0 - 15) the ROW or
 COLUMN TRouBles are on.
 r - specifies which ROW in the scanner failed.
 ss - this octal code, when converted to binary,
 designates failing scanner COLumns. Ones in
 the binary field indicate the failed scanners.
 c - specifies which Control frame controls
 the failing Peripheral Decoder.
 q - specifies which Peripheral Decoder
 failed (0 - 255).
 a1 a2...an - These are one or more of the following alarms
 as indicated by the ALARMS lamps
 on the system status panel:

CRIT - critical
 MJ - major
 MN - minor
 MJPWR - major power
 MNPWR - minor power
 FUSE - fuse
 ALMCKT - alarm circuit
 SVCLOSS - service loss

SEE PROPRIETARY NOTICE ON COVER PAGE

HOURLY REPORT

HOURLY REPORT

NORM - normal (no alarms are present)

state3 - One of the following states:

INS - IN SERVICE

OOS - Out of service

state4 - One of the following states:

ACT - Active

OOS - Out of service

t - specifies which test vertical test circuit

0 - wire TV TC, low concentrator groups

1 - junctor TV TC, low concentrator groups

2 - wire TV TC, high concentrator groups

3 - junctor TV TC, high concentrator groups

state5 - One of the following states:

COMPL ALL OK - All TV TC's are in service

OOS - Out of service

4. REFERENCES

PR-3H245-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY. The following input messages can be used to obtain the HOURLY REPORT information:

OP:SYC 0:STAT!

OP:SYC 1:STAT!

OP:RT:STAT!

OP:FLTS:STAT!

OP:ALM:STAT!

OP:TDC:STAT!

OP:AMA:STAT!

OP:OA:STAT!

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

IN OW

IN OW

1. OUTPUT MESSAGE FORMAT

tt IN OW ww

2. EXPLANATION OF MESSAGE

Response to an IN:OW input message.

3. EXPLANATION OF VARIABLE FIELD

ww = COMPL - The input has completed.
ww = STOPPED - The input has failed. The failure occurred for one of the following reasons:

- The tape handler could not open the PATCH file.
- The tape handler could not service the current tape operation.
- The overwrite does not exist in the overwrite file (TAPE option only).
- An overwrite of the same number already exists in the overwrite file (TTY option only).
- The generic and/or issue identifiers input prior to this request do not match the corresponding identifiers contained in the overwrite file (TTY option only).

4. ACTION TO BE TAKEN

If tape error messages preceded the STOPPED response, they should be consulted first to identify the particular tape trouble. Otherwise, match the generic and issue identifiers given in the IN:GENID and IN:ISSID input messages with the output obtained from the OP:OWFILE input message. (Note that trailing blanks in these fields will cause difficulty and therefore should not be used.) Also verify the overwrite number given in the input message.

5. REFERENCES

SEE PROPRIETARY NOTICE ON COVER PAGE

IN OW

IN OW

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

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OM-3H300-03-C172

IN OW

IN OW

1. OUTPUT MESSAGE FORMAT

```
tt  IN OW nnnnn s mmdd yyhh type
    IN OWDATA seg adr old new
    :
    IN OWDATA seg adr old new

OP OW COMPL
```

2. EXPLANATION OF MESSAGE

Response to an OP:OW;TTY input message. Displays all data contained in the overwrite buffer.

3. EXPLANATION OF VARIABLE FIELD

```
nnnnn = Overwrite number (in decimal)
s      = Overwrite status (0=inactive, 1=active, 3=dead).
mmdd   = Month and day on which overwrite was entered.
yyhh   = Year and hour on which overwrite was entered.
type   = TRNSLN if a translation overwrite (blank = generic).
seg     = Segment number (in decimal)
        (resident code = 0)
adr     = Address in main store
old     = Old data
new     = New data
```

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

IN OWDATA ERR

IN OWDATA ERR

1. OUTPUT MESSAGE FORMAT

tt IN OWDATA ERR

2. EXPLANATION OF MESSAGE

The last IN:OWDATA message contains invalid data. The check number (ck) is not consistent with the remaining numeric data.

3. EXPLANATION OF VARIABLE FIELD

None

4. ACTION TO BE TAKEN

Verify all variable fields in the last IN:OWDATA input message and re-enter. See TTY input message IN:OWDATA.

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

IN OWDATA STOPPED

IN OWDATA STOPPED

1. OUTPUT MESSAGE FORMAT

tt IN OWDATA STOPPED

2. EXPLANATION OF MESSAGE

The last IN:OWDATA input message would have caused the overwrite buffer in the main store to overflow. It was thrown out. A similar response can be expected on any subsequent IN:OWDATA messages for this overwrite. The overwrite is too big.

3. EXPLANATION OF VARIABLE FIELD

None

4. ACTION TO BE TAKEN

Verify that all messages used to enter this overwrite are correct. If so the overwrite must be split into two or more units which must then be entered as coordinated overwrites.

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

IN OWDATA WARN

IN OWDATA WARN

1. OUTPUT MESSAGE FORMAT

tt IN OWDATA WARN

2. EXPLANATION OF MESSAGE

The last IN:OWDATA input message specified an address that has been previously specified in this overwrite. This is a warning message. If the intent was to correct the previous specification, this message should be ignored.

3. EXPLANATION OF VARIABLE FIELD

None

4. ACTION TO BE TAKEN

Verify that the location specified by the address in the last IN:OWDATA input message is intentionally being changed a second time. If it is not, look for a typographical error in the address field.

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

INH BLDG ALM

INH BLDG ALM

1. OUTPUT MESSAGE FORMAT

tt INH BLDG ALM

2. EXPLANATION OF MESSAGE

- This message is given in response to operating the Building Alarm key (either manually or via TTY input message). The INHhibit BuiLDinG ALarM message indicates that future building alarms (except fire) will not sound in the office.

3. ACTION TO BE TAKEN

none

4. REFERENCES

PR-3H251 MCSUB Maintenance Subroutines

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C177

INIT ORDUTIL COMPL

INIT ORDUTIL COMPL

1. OUTPUT MESSAGE FORMAT

tt INIT ORDUTIL COMPL

2. EXPLANATION OF MESSAGE

Response to the message INIT:PROG. Signifies that the buffers have been reinitialized and another group of orders may be entered and executed.

3. ACTION TO BE TAKEN

Start to enter next set of orders to be executed.

4. REFERENCES

PR-1C982 COUTIL COMMON ORDER UTILITIES

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

INIT OWFILE

INIT OWFILE

1. OUTPUT MESSAGE FORMAT

tt INIT OWFILE ww

2. EXPLANATION OF MESSAGE

Response to an INIT:OWFILE input message.

3. EXPLANATION OF VARIABLE FIELD

ww = COMPL - The initialization has completed.
ww = STOPPED - The initialization has failed. The failure occurred for one of the following reasons:
- The tape handler could not open the PATCH file.
- The tape handler could not service the current tape operation.

4. ACTION TO BE TAKEN

Consult tape recovery output messages and take recommended corrective action.

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C179

INIT PROG COMPL

INIT PROG COMPL

1. OUTPUT MESSAGE FORMAT

tt INIT PROG COMPL

2. EXPLANATION OF MESSAGE

Response to the INIT:ORDUTIL message. Reinitialization has been completed and another group of orders may be entered.

3. EXPLANATION OF VARIABLE FIELD

none

4. ACTION TO BE TAKEN

Start to enter next group of orders that are going to be executed. If another group of orders is no longer wanted, enter STOP:ORDUTIL to halt the function.

5. REFERENCES

PR-1C982 COUTIL COMMON ORDER UTILITIES

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

INIT TAPE COMPL

INIT TAPE COMPL

1. OUTPUT MESSAGE FORMAT

tt INIT TAPE COMPL

2. EXPLANATION OF MESSAGE

Tape repacking has been completed.

3. ACTION TO BE TAKEN

none

4. REFERENCES

PR-1C957-01 CTAPH Tape Handler Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C181

INIT TTYC

INIT TTYC

1. OUTPUT MESSAGE FORMAT

tt INIT TTYC a STAT PORT cc EQP dd BCP g

2. EXPLANATION OF MESSAGE

Response to a request to initialize the TTYC indicated. A request can be made by TTY input message to initialize a single specified TTYC or by the system status panel to initialize all TTYCs. In either case, if a TTYC is initialized, this message will be outputted to it immediately following the initialization to indicate the action has been performed and to report the post initialization status of the TTYC.

In an initialization, all current and waiting message activity for that TTYC is purged from the system and each port is individually tested to determine its current status.

3. EXPLANATION OF VARIABLE FIELD

a	TTYC number for which the status is being reported.
<u>PORT cc</u>	
cc	A 16-bit field with the rightmost 8 bits describing the output and input status of the ports on the TTYC. The low 4 bits of word CC indicate the input status of the ports from left to right (port 3 through port 0). 1 = The port is shut off when the TTYC is idle so that the TTY device attached cannot be used for input. 0 = Input from the port can be seen from a TTY device connected to it. The next 4 bits, bits 7 through 4, indicate the output status of the ports from left to right (port 3 through port 0). 1 = The port is shut off during all output messages. 0 = Output will be seen on the TTY device connected to the port.
<u>EQP dd</u>	
dd	A 16-bit field describing the status of the equipment assigned to the TTYC. Bit positions 3 through 0 indicate the alarm status of each port from left to right (port 3 through port 0). 1 = An alarm condition exists, low paper on a local TTY or carrier failure on a remote TTY.

SEE PROPRIETARY NOTICE ON COVER PAGE

INIT TTYC

INIT TTYC

0 = No alarm.

Bit positions 11 through 8 indicate which port from left to right (port 3 through port 0) has an 'idle line control' device. This device will turn power off the equipment if it has not been used in some time.

1 = This port is equipped with idle line control; if one or more ports are so indicated, every output message to that TTYC will be delayed for 1 second after the keyboard blind character is sent. This delay allows time for the power to be turned on if it is presently off.

0 = This port responds immediately to operational test and is, therefore, assumed not to be equipped with idle line control.

Bit positions 15 through 12 indicate which port from left to right (port 3 through port 0) responded to the WRU test.

1 = No response can be expected to a test on this port; at least 1 of the 4 ports must respond if the TTYC is to be left in service.

0 = A proper acknowledgement can be expected; each time an output sequence is begun, the next port in sequence that responds will be tested. If all ports can be expected to respond, each is then tested every fourth output message.

BCP g
g

The TTYC number to which all output will be directed and input accepted if this TTYC is taken out of service.

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-1C961 CTTYT

ALM=M PRI=3 CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C183

INIT TTYC ALL

INIT TTYC ALL

1. OUTPUT MESSAGE FORMAT

tt INIT TTYC ALL

2. EXPLANATION OF MESSAGE

Response to a manual action on the system status panel to initialize all TTYCs and associated memory. This message will be generated during initialization for the MTC channel (TTYC 0) and will print out upon completion of the initialization. In addition to this message, an individual initialization message will be generated to each TTYC upon completion indicating its status.

3. EXPLANATION OF VARIABLE FIELD

None

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-1C961 CTTYT

ALM=M PRI=3 CHL=MTC

SEE PROPRIETARY NOTICE ON COVER PAGE

LOD INDIR

LOD INDIR

1. OUTPUT MESSAGE FORMAT

tt LOD INDIR nn aa
dd dd dd dd dd dd dd dd

2. EXPLANATION OF MESSAGE

Response to a LOD:INDIR input message. Since the ONC action option was specified, a match has occurred. There may have been an indeterminate number of matches between this printout and any previous LOD INDIR printout where the data had not changed.

3. EXPLANATION OF VARIABLE FIELD

nn = number of the register pair whose contents
were used as a 20-bit address
aa = modified contents of register pair nn
dd = original contents of the store words starting at aa

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-1C962 CUTIL Common Utilities

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

LOD OMAS COMPL

LOD OMAS COMPL

1. OUTPUT MESSAGE FORMAT

tt LOD OMAS COMPL

2. EXPLANATION OF MESSAGE

Response to a LOD:OMAS input message. The off-line main store reload has completed successfully. The system main store audit has been inhibited and the system has been removed from the double store read (DSR) mode.

3. EXPLANATION OF VARIABLE FIELD

None

4. ACTION TO BE TAKEN

To be determined by user. Follow local procedures.

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

LOD OW

LOD OW

1. OUTPUT MESSAGE FORMAT

tt LOD OW ww

2. EXPLANATION OF MESSAGE

Response to a LOD:OW input message.

3. EXPLANATION OF VARIABLE FIELD

ww = COMPL - The load has completed.
ww = STOPPED - The load has failed. The failure occurred for one of the following reasons:

- An address within a specified segment could not be found (nonresident code only).
- The tape handler could not open the PAGEMON file (nonresident code only).
- The tape handler could not service the current tape operation (nonresident code only).

4. ACTION TO BE TAKEN

If tape error messages preceded the STOPPED response, they should be consulted first to identify the particular tape trouble. Otherwise, verify the addresses of all words with a nonzero segment no.

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

LOD REG

LOD REG

1. OUTPUT MESSAGE FORMAT

tt LOD REG nn 0
dd dd dd dd dd dd dd dd

2. EXPLANATION OF MESSAGE

Response to a LOD:REG input message. Since the ONC action option was specified, a match has occurred. There may have been an indeterminate number of matches between this printout and any previous LOD REG printout where the data had not changed.

3. EXPLANATION OF VARIABLE FIELD

nn = number of the register which was modified
dd = original contents of eight registers beginning with nn

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-1C962 CUTIL Common Utilities

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

LOD ST ERR

LOD ST ERR

1. OUTPUT MESSAGE FORMAT

tt LOD ST ERR

2. EXPLANATION OF MESSAGE

The address specified in the LOD:ST message is in write protected area.

3. ACTION TO BE TAKEN

Check address specified to see if it was correct. If so the address specified cannot be loaded.

4. REFERENCES

PR-1C962 CUTIL Common Utilities

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

LOD ST 0

LOD ST 0

1. OUTPUT MESSAGE FORMAT

tt LOD ST 0 aa
dd dd dd dd dd dd dd dd

2. EXPLANATION OF MESSAGE

Response to input message LOD:ST. If the ONC action option was specified, a match has occurred. There may have been an indeterminate number of matches or base level loops between this printout and any previous LOD ST printout where the data had not changed.

3. EXPLANATION OF VARIABLE FIELD

aa = store address of the first data word printed
dd = contents of the four store words beginning at aa

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-1C962 CUTIL Common Utilities

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

M tt MON wrd1 NOT START wrd2

2. EXPLANATION OF MESSAGE

Used to indicate an error or exceeded condition for the Trunk and Service Circuit Maintenance Aids Program (TSVMON) monitor input messages.

3. EXPLANATION OF VARIABLE FIELD

wrd1 is the circuit type:

TRK - Trunk
SVC - Service Circuit
ALNK - A-link
BLNK - B-link
JC - Junctor
LINE - Line

wrd2 is the error condition:

ERR - There is an error in the circuit identifier.

LIST FULL - The maximum number of monitor requests has been reached.

4. ACTION TO BE TAKEN

If the error condition is an ERROR? check the circuit identifier and re-enter.

If the error condition is LIST FULL? enter an OutPut MONitor request then enter a STOP MONitor request to terminate the monitoring in progress. Now enter any monitoring desired.

5. REFERENCES

SEE PROPRIETARY NOTICE ON COVER PAGE

MON

MON

PR-3H318 TSVMON

Trunk and Service Circuit Maintenance Aids Program

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

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OM-3H300-03-C192

MON INDIR

MON INDIR

1. OUTPUT MESSAGE FORMAT

tt MON INDIR nn aa
dd dd dd dd dd dd dd dd

2. EXPLANATION OF MESSAGE

Response to a MON:INDIR input message. Since the ONC action option was specified, a match has occurred. There may have been an indeterminate number of matches between this printout and any previous MON INDIR printout where the data had not changed.

3. EXPLANATION OF VARIABLE FIELD

nn = number of the register pair whose contents
were used as a 20-bit address
aa = modified contents of register pair nn
dd = contents of the eight store words starting at aa

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-1C962 CUTIL Common Utilities

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

MON LIMIT BLK

MON LIMIT BLK

1. OUTPUT MESSAGE FORMAT

A tt MON LIMIT BLK n ERR COUNT

2. EXPLANATION OF MESSAGE

Indicates that the error count for a monitor block has reached its limit of 65,535. The error count is reset to one.

3. EXPLANATION OF VARIABLE FIELD

n is the monitor block that exceeded its error count.

4. ACTION TO BE TAKEN

When the monitor results are printed, add 65,535 to the error count of the monitor block specified in the message to get the correct error count for the monitored circuit.

NOTE: The number in the message corresponds to the nth monitor block printed for an output monitor request.

5. REFERENCES

PR-3H318 TSVMON

Trunk and Service Circuit Maintenance Aids Program

ALM=5 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

MON REG

MON REG

1. OUTPUT MESSAGE FORMAT

```
tt  MON REG nn 0
    dd dd dd dd dd dd dd dd
```

2. EXPLANATION OF MESSAGE

Response to a MON:REG input message. Since the ONC action option was specified, a match has occurred. There may have been an indeterminate number of matches between this printout and any previous MON REG printout where the data had not changed.

3. EXPLANATION OF VARIABLE FIELD

nn = number of the first register printed
dd = contents of the eight registers beginning with nn

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-1C962 CUTIL Common Utilities

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

MON ST 0

MON ST 0

1. OUTPUT MESSAGE FORMAT

tt MON ST 0 aa
dd dd dd dd dd dd dd dd

2. EXPLANATION OF MESSAGE

Response to input message MON:ST. If the ONC action option was specified, a match has occurred. There may have been an indeterminate number of matches or base level loops between this printout and any previous MON ST printout where the data had not changed.

3. EXPLANATION OF VARIABLE FIELD

aa = store address of first data word printed
dd = contents of the four store words beginning at aa

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-1C962 CUTIL Common Utilities

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

NW ANAL START

NW ANAL START

1. OUTPUT MESSAGE FORMAT

A tt NW ANAL START AUTO c s

2. EXPLANATION OF MESSAGE

Indicates that the Network Pattern Analysis has been automatically started. The analysis was triggered by a network order failing on both network controllers with a non-zero group response.

3. EXPLANATION OF VARIABLE FIELD

c - Control Frame being analyzed
s - SYNC where analysis is started

4. ACTION TO BE TAKEN

see PK-3H301

5. REFERENCES

PR-3H219 - NWCEA - Network Pattern Analysis
PK-3H301 - Network Trouble-Shooting Manual
BSP-233-153-145 - Remreed Network Fault Isolation Utilities

ALM=5 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

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OM-3H300-03-C197

NW COUNT START

NW COUNT START

1. OUTPUT MESSAGE FORMAT

A tt NW COUNT START AUTO c

2. EXPLANATION OF MESSAGE

Indicates that an AUTO START or Restart has occurred for the Grid Error Count function.

3. EXPLANATION OF VARIABLE FIELD

c is the Control Complex the AUTO START or RESTART has occurred for.

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-3H218 - GDCNT - Grid Error Count program
PK-3H301 - Network Trouble-Shooting Manual
BSP-233-153-145 - Remreed Network Fault Isolation Utilities

ALM=5 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OFFICE MESSAGE REG

OFFICE MESSAGE REG

1. OUTPUT MESSAGE FORMAT

```
tt OFFICE MESSAGE REG mm/dd/yy hh:mm:ss ID 1 hh:mm
nxx abcd mu abcd mu abcd mu abcd mu abcd mu
    abcd mu abcd mu abcd mu abcd mu abcd mu
      .
      .
      .
nxx abcd mu abcd mu abcd mu abcd mu abcd mu
      .
      .
      .
```

END OF REPORT

2. EXPLANATION OF MESSAGE

Office Message Registers are scheduled to print out during the nightly routines. The report includes a header field, the counts of the software message registers, and an "END OF REPORT" trailer to show that the report has successfully finished printing.

The header fields are:

OFFICE MESSAGE REG	Office Message Registers
mm/dd/yy	Current month, day, and year
hh:mm:ss	Current hours, minutes, and seconds
ID	Office identification
1	Last or highest level of emergency action during this schedule
hh:mm	Time of 1 in hours and minutes

The software message register fields are:

nxx	Office code
abcd	Station number
mu	Message units

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

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3. EXPLANATION OF VARIABLE FIELD

Fields are explained above.

4. ACTION TO BE TAKEN

Follow local procedures for processing the data.

5. REFERENCES

PR-3H008-02 TRAFIC Traffic and Plant
Measurements

PR-3H086-03 NRTRAF Traffic Program -
Non-resident portion

ALM=0 CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

```
tt  OFR UTIL a
      OUTPUT: BLK D(b) UNT=c      (only for dumping)
      D(ooo)  xxxx xxxx xxxx ... (only for dumping)
      .
      .
      .
      POSITION: BLK D(b) UNT=c      (only for dumping)
```

2. EXPLANATION OF MESSAGE

This is the response message to an office record tape dumping or clearing request.

If this is a dump, then only non-zero words are printed in order to speed up the printing. If more than 16 blocks in a row are zero, the POSITION message is printed to inform the user how far along the tape dumping routing has progressed.

3. EXPLANATION OF VARIABLE FIELD

a - is one of the following three values:

START - the request for clearing or dumping is started. If dumping is specified, this message is followed by a line stating the tape block number and up to 830 (out of 832) data words stored in the block. Only words 1 thru 830 which are non-zero are printed -- words 0 and 831 are not printed at all.

COMPL - the specified action is complete.

ERR - an error occurred in accessing the tape, or the input message was incorrect.

b - is the block number relative to the beginning of the OFR3 file.

c - is the tape unit being read (0,1).

ooo - is the offset relative to word 1 (not word 0) within the block.

SEE PROPRIETARY NOTICE ON COVER PAGE

OFR UTIL

OFR UTIL

xxxx - contents of the block in question in hexadecimal
(see below for conversion to binary).

BIN ==>	0000	0001	0010	0011	0100	0101	0110	0111
HEX ==>	0	1	2	3	4	5	6	7

BIN ==>	1000	1001	1010	1011	1100	1101	1110	1111
HEX ==>	8	9	A	B	C	D	E	F

4. ACTION TO BE TAKEN

To be determined by user.

5. REFERENCES

PR-3H104 OFRUTL

ALM=0 CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

OP ADR

OP ADR

1. OUTPUT MESSAGE FORMAT

tt OP ADR aa DATA bb cc

2. EXPLANATION OF MESSAGE

Response to an ORD:OP input message. Prints the data returned and flag bits set by the previous order. It also prints the address being read or written.

3. EXPLANATION OF VARIABLE FIELD

aa Address of location where data was read from
or written into.
bb The data that was returned by the previous order.
cc The flag bits set by the previous order.

<u>bit No.</u>	<u>definition</u>
0	Normal completion of order.
1	Normal completion of an I/O order.
2	Maintenance completion of an I/O order.
3	Error occurred in order sent.

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-1C982 COUTIL COMMON ORDER UTILITIES

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C203

OP ALM STAT

OP ALM STAT

1. OUTPUT MESSAGE FORMAT

tt OP ALM STAT
ALM STAT a1 a2 ...an
OP ALM STAT COMPL

2. EXPLANATION OF MESSAGE

Used to output the ALarM STATus of the system.

3. EXPLANATION OF VARIABLE FIELD

a1 a2...an - These are one or more of the following alarms:
as indicated by the ALARMS lamps
on the system status panel:

CRIT	- critical
MJ	- major
MN	- minor
MJPWR	- major power
MNPWR	- minor power
FUSE	- fuse
ALMCKT	- alarm circuit
SVCLOSS	- service loss
NORM	- normal (no alarms are present.)

4. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY
PR-3H255-03 PWSC - POWER AND ALARM SCAN

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OP AMA STAT

OP AMA STAT

1. OUTPUT MESSAGE FORMAT

tt OP AMA STAT
AMA PRIMARY state
AMA BACK UP state
OP AMA STAT COMPL

2. EXPLANATION OF MESSAGE

. Used to output the automatic message accounting status.

3. EXPLANATION OF VARIABLE FIELD

state:
ACT - Active
OOS - Out of service

4. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C205

OP CLK

OP CLK

1. OUTPUT MESSAGE FORMAT

tt OP CLK day

2. EXPLANATION OF MESSAGE

Response to an OP:CLK input message. The time and date is given in the standard full date and time TTY format which accompanies this message.

3. EXPLANATION OF VARIABLE FIELD

day = day of the week (SUN,MON,TUES,WED,THURS,FRI,SAT)

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-1C950 CBLM - Common Base Level Monitor

ALM=0 PRI=0 CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

```

tt OP CU STAT aa
d11 d12 d13 d14 d15 d16 d17 d18
d21 d22 d23 d24 d25 d26 d27 d28
d31 d32 d33 d34 d35 d36 d37 d38
d41 d42 d43 d44 d45 d46 d47 d48

```

2. EXPLANATION OF MESSAGE

Response to an OP:CU:STAT TTY input message.

3. EXPLANATION OF VARIABLE FIELD

d11-d16 Control block containing the current state of all multiscan functions. Each bit in the word represents one of the msf's. Bit 0 contains the status of msf0, bit 1 of msf1, etc.

d11 Msf request buffer status word.

d12 Request for aborting msf's status word.

d13 Msf in progress status word.

d14 Msf aborting status word.

d15 Record of msf's not allowed by system state.

d16 Record of multiscan functions inhibited by TTY input.

d17 Number of the last multiscan function executed.

d18 A multiscan function is currently in the WAIT state if bit 4 is set. Bits 3-0 identify the function.

d21 Repeat and step control word for multiscan functions. bits 5-4 contain the current repeat and step status.

00 or 10 No function under repeat and step control.

01 Function in step mode.

11 Function in repeat mode.

bits 3-0 contain the identity of the function.

bits 8-6 are internal flags.

d22-d23 Compressed form of the 1st and latest failure TTY message handled by the repeat and step monitor. This is done by exclusive oring of all the words in the tty_mfa + supplement, if any, into one word.

d24 The identity of the last application monitor executed.

d25 The identity of the last function executed under the time monitor.

d26 Flags used only internal to the time monitor to indicate if the hour, or minute tables should be scanned.

d27 Pointer to next 16-word block of MAS to be updated or

SEE PROPRIETARY NOTICE ON COVER PAGE

- audited.
- d28 MAS update/audit control word.
- d31 Record of which interrupt levels are currently blocked. This is an image of the IM register at base level.
- d32 Value of the hold-get register at base level. This value is usually a known constant but may not be if a multiscan function is in the WAIT state.
- d33 Contains the status of common system peripheral circuits. Bits correspond to circuits and are set if the circuit is out-of-service. Bits 7-0 contain the status of TTY controllers 7-0, respectively. Bits 11-8 contain the status of TDC access of each of two TDCs to each CU.
- d34 Contains error message print control flags. Flags are set when an abnormal condition occurs and persist until the condition disappears. An error message is printed when the condition first occurs.
- d35 The current level of initialization. This counter is zero if the system is not in an initialization interval. The higher the count, the more drastic is the initialization that just occurred or is now occurring.
- d36 Contains the word SYSTATE:

Bit No.	Definition
0	Off-line CU is standby ready
1	Off-line CU is out-of-service
2	Off-line CU is unavailable (locked or forced)
3	System is in initialization interval-- last initialization was less than 2 minutes ago
4	Off-line CU has been automatically removed due to a fault
5	Off-line CU has been removed by TTY request
6	System is updating the off-line CU memory
7	A program is using the off-line CU
8	Off-line CU panel is in MANUAL
9	0--CU0 is on-line 1--CU1 is on-line
10	Off-line main store is out-of-service
11	System status panel is out-of-service
12	Maintenance channel is out-of-service
13	A restore CU is in progress
14	An unconditional switch is in progress
15	Power key on off-line CC is operated

- d37 Flags indicating MAS faults.

Bit No.	Definition
0	Uncorrectable error (via complement correction) in the on-line MAS.
1	Uncorrectable error (via complement correction) in the off-line MAS.
2	Uncorrectable error (via DSR) in the system.
3	Correctable error (via complement correction) in the on-line MAS.
4	Correctable error (via complement correction) in

OP CU STAT

OP CU STAT

the off-line MAS.
d38-d45 Current state of all buffers in the system status
panel controller. The four key buffers are packed in
d38 and d41 and the eight status buffers appear in
d42 through d45.
d46-d48 Not used.

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-1C950 CBLM - Common Base Level Monitor

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C209

OP DATA ABT

OP DATA ABT

1. OUTPUT MESSAGE FORMAT

A tt OP DATA ABT

2. EXPLANATION OF MESSAGE

During the updating of a translation file on magnetic tape, the multiscan function controller (MSFC) requested an abort. The update was not completed successfully.

3. ACTION TO BE TAKEN

Recovery procedures must be initiated at once, as the data in the file may be in error. The appropriate input message to initiate the update which was terminated must be inputted as soon as the cause of the error is corrected, so that the data in the files can be returned to a valid state.

4. REFERENCES

PR-3H030-03 OFFICE DATA FILE UPDATE PROGRAM

ALM=5 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C210

OP DATA COMPL

OP DATA COMPL

1. OUTPUT MESSAGE FORMAT

tt OP DATA COMPL

2. EXPLANATION OF MESSAGE

The update of a translation file on magnetic tape has been successfully completed.

3. ACTION TO BE TAKEN

None.

4. REFERENCES

PR-3H030-03 OFFICE DATA FILE UPDATE PROGRAM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C211

OP DELAY MSG

OP DELAY MSG

1. OUTPUT MESSAGE FORMAT

```
tt OP DELAY MSG n
  FORM a
  CLS b
  HDR YES
  IDENT d e
  NUM f
  END
```

2. EXPLANATION OF MESSAGE

This message and its associated keywords print the contents of a pending delay message in response to OP:DELAY. If the requested message slot is vacant only the END keyword will print.

MSG n

Where n is the message slot number.

FORM a

Where a is the office records form number or ALL.

CLS b

Where b is the destination tty message class for this delay message.

HDR YES

This keyword prints only if the header is specified for this delay message.

IDENT d e

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OP DELAY MSG

OP DELAY MSG

Where d and e are decimal representations of the input keyword data. Conversion to get the actual input data may be necessary based on the input keyword type. (i.e. BCD)

NUM f

Where f is the number of items to print for this delay message.

END

Reports the END of this printout.

3. ACTION TO BE TAKEN

None

4. REFERENCES

PR-3H208 OPDEL

CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C213

OP ERR

OP ERR

1. OUTPUT MESSAGE FORMAT

tt OP ERR nnnn kw

2. EXPLANATION OF MESSAGE

This message is an error code in response to an output (tape) input message .

The error was encountered on the previous input message. The reason for the error is given below.

3. EXPLANATION OF VARIABLE FIELD

nnnn = error number. Individual definitions follow.
kw = KEYWORD is an optional parameter on the message.
KW is a keyword that can be associated with the error number.

0000 =

Default error code.

1015 =

Keyword data is out of range.

9900 =

An error occurred during an open or status test operation. The Tape Handling Routines requested that the client abort.

9901 =

A destination other than 'CURR' or 'OLD' was specified for the translation data.

9902 =

The filename specified in the message was not TRNSLN or BACKDT.

SEE PROPRIETARY NOTICE ON COVER PAGE

OP ERR

OP ERR

9903 =

An invalid source was specified in the COPY message.

9905 =

Not all tape units are in service.

9906 =

High 4 bits of the 20-bit address of STRLIM found in SPXLAMTI entry and the SPARES entry are not equal.

9907 =

Low 16 bits of address found in SPXLAMTI and SPARES are not equal.

9908 =

The number of translation checksums calculated is equal to zero.

9909 =

The number of spare words calculated and the number of spare words found in the SPARES MTI are not equal.

9910 =

The number of translation entries in the CHECKSUM FILE is equal to zero. (word 5)

9911 =

The number of translations checksum entries is incorrect. (Word 5)

9912 =

The 1st and 2nd entries containing the number of translation checksums in the CHECKSUM FILE were not equal. (1st = word 5, 2nd = twice the contents of word 7 plus 11 OCTAL)

9913 =

The CHECKSUM FILE entries length calculated did not equal the CHECKSUM FILE length taken from the CHECKSUM FILE. (word 1)

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OP ERR

OP ERR

9914 =

The starting address of the GENERIC FILE is incorrect in the CHECKSUM FILE. (word 3)

9915 =

The starting address of the TRANSLATION FILE is incorrect in the CHECKSUM FILE. (word 4)

9916 =

The starting address of the PATCH FILE is incorrect in the CHECKSUM FILE. (word 6)

9917 =

The quantity or location call store as defined by the CHECKSUM FILE is different from that as defined by the Write Protect TaBLe . (WPTBL)

9918 =

Hashsum calculation failed, bad parity encountered.

9919 =

File not found in Tape Resident Directory.

4. ACTION TO BE TAKEN

Correct the message and retype.

5. REFERENCES

The programs which output these messages are:

PR-3H030-02 OPDATA
PR-3H068-02 VRDATE

Also refer to the OP:xxxx input message previously inputted.

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OP EXP

OP EXP

1. OUTPUT MESSAGE FORMAT

tt OP EXP

2. EXPLANATION OF MESSAGE

This is the response message to a request to print the volume of spare memory of all types in the office.

3. EXPLANATION OF VARIABLE FIELD

The tabular output of this message is shown below.

SPARE EXPANSION BLOCKS

1 WORD	AA
2 WORD	BB
4 WORD	CC
8 WORD	DD

SPARE CFV/SC EXPANSION BLOCKS

2 WORD	EE
--------	----

MTI	ADDRESS	SPARE WORDS
---	-----	-----
LSTTSWRD	O(FF)	
STRLIM	O(GG)	
TSPARE	O(HH)	D(II)
SPARES	O(JJ)	D(KK)

where AA = total spare regular 1 word blocks.
BB = total spare regular 2 word blocks.
CC = total spare regular 4 word blocks.
DD = total spare regular 8 word blocks.
EE = total spare customer-dialed change 2-word blocks.
FF = the address of the last word in temporary store.
GG = the address of the last word in physical store.
HH = the address of the first spare word in temporary store.
II = the number of spare temporary store words.
JJ = the address of the first spare word in

SEE PROPRIETARY NOTICE ON COVER PAGE

OP EXP

OP EXP

translation store.
KK = the number of spare translation store words.

END End of Message

4. ACTION TO BE TAKEN

To be determined by the user. Follow local procedures.

5. REFERENCES

PR-3H205 OPEXP

CHL=ALL

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OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C218

OP FEA

OP FEA

1. OUTPUT MESSAGE FORMAT

tt OP FEA msg

2. EXPLANATION OF MESSAGE

This is the response message to a request to count all lines with a unique set of features.

3. EXPLANATION OF VARIABLE FIELD

The "msg" field can take on one of the following formats:

1. ----> LIST NXX XXXX
(Where NXX XXXX is a local TN)
2. ----> ABORTED
(The message was aborted)
3. EXACT MATCHES = XXXXX
(This is the normal results of message)

END End of Message

4. ACTION TO BE TAKEN

To be determined by the user. Follow local procedures.

5. REFERENCES

PR-3H209 OPFEA

CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C219

OP FLT

OP FLT

1. OUTPUT MESSAGE FORMAT

tt	OP FLT	
	FILTER MESSAGE	COUNT
	n xxxx	c
	n xxxx	c

2. EXPLANATION OF MESSAGE

This message is printed in response to an OP:FLT input message.
This will output the status of the message filter.

3. EXPLANATION OF VARIABLE FIELD

n - The filter number being output.

xxxx - The text of the filter message as input via the
LOD:FLT message.

c - The number of messages filtered.
(Note: This counter will not increment beyond
128 messages.)

4. ACTION TO BE TAKEN

PR-1C983-06 TTYMAP - TTY MESSAGE ADMINISTRATION PROGRAM

CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OP FLTS STAT

OP FLTS STAT

1. OUTPUT MESSAGE FORMAT

```
tt  OP FLTS STAT
    SM m ROW r TRBL
      .
      .
      .
    SM m COL cc TRBL
      .
      .
      .
    PD c q TRBL
      .
      .
      .
    (NO SM/PD FLTS)
    OP FLTS STAT COMPL
```

2. EXPLANATION OF MESSAGE

Used to OutPut any Scan Matrix ROW; Scan Matrix COLUMN; or Peripheral Decoder FaulTS in the system. If none of the previous troubles exist in the system

NO SM/PD FLTS

is printed.

3. EXPLANATION OF VARIABLE FIELD

m - specifies which Scan Matrix (0 - 15) the ROW or COLUMN TRouBles are on.

r - specifies which ROW in the scanner failed.

cc - this is an octal code which represents a binary field. Ones in the field designate the failing scanner COLUMNS.

c - specifies which Control Frame controls the failing Peripheral Decoder.

q - specifies which Peripheral Decoder failed(0 - 255).

SEE PROPRIETARY NOTICE ON COVER PAGE

OP FLTS STAT

OP FLTS STAT

4. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C222

OP HASH

OP HASH

1. OUTPUT MESSAGE FORMAT

tt OP HASH adr hashsum

2. EXPLANATION OF MESSAGE

Response to an OP:HASH input message.

3. EXPLANATION OF VARIABLE FIELD

adr = Absolute address of the requested hashsum.
hashsum = Hashsum value (decimal).

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C223

OP HASH

OP HASH

1. OUTPUT MESSAGE FORMAT

tt OP HASH ww

2. EXPLANATION OF MESSAGE

Response to an OP:HASH input message.

3. EXPLANATION OF VARIABLE FIELD

ww = COMPL - The output has completed.
ww = STOPPED - The output has failed. The failure occurred
for one of the following reasons:
- A location was read which contained bad parity.
- An unequipped main store location was specified
on the input message.

4. ACTION TO BE TAKEN

Verify the address(s) specified in the input message. Run CU
diagnostics to detect bad memory devices in the off-line main
store.

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OP HASHNR

OP HASHNR

1. OUTPUT MESSAGE FORMAT

tt OP HASHNR ident hashsum

2. EXPLANATION OF MESSAGE

Response to an OP:HASHNR input message.

3. EXPLANATION OF VARIABLE FIELD

ident = Segment number (SEG option) or track number (BOOT
option).
hashsum = Hashsum value (decimal).

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OP HASHNR

OP HASHNR

1. OUTPUT MESSAGE FORMAT

tt OP HASHNR ww

2. EXPLANATION OF MESSAGE

Response to an OP:HASHNR input message.

3. EXPLANATION OF VARIABLE FIELD

- ww = COMPL - The output has completed.
- ww = STOPPED - The output has failed. The failure occurred for one of the following reasons.
 - A location was read which contained bad parity.
 - The tape handler could not open the PAGEMON file (SEG option only).
 - The tape handler could not open the BOOTSTP or BOOT2 file (BOOT option only).
 - The tape handler could not service the current tape operation.

4. ACTION TO BE TAKEN

If tape error messages preceded the STOPPED response, they should be consulted first to identify the particular tape trouble. Otherwise, verify the segment numbers specified in the input message. Run diagnostics on the tape units and on-line CU.

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OP LINE

OP LINE

1. OUTPUT MESSAGE FORMAT

M tt OP LINE a bcde TN f g STAT h
tt OP LINE a bcde TN f g STAT h
OP LINE STAT r

2. EXPLANATION OF MESSAGE

Used to OutPut LINE STATE information. The output is terminated by a completion message only if a list of out-of-service lines is requested.

3. EXPLANATION OF VARIABLE FIELD

a bcde is the TERMINAL EQUIPMENT NUMBER of the line
a - concentrator group (1-15)
b - concentrator (0-1)
c - switch group (0-2)
d - switch (0-7)
e - level (0-7)

f g is the TELEPHONE NUMBER of the line
(preceded by a + for a multi-party line)

h STATE

IDLE

The LINE is in the in-service IDLE state.

BSY

The circuit is in the in-service BUSY state.

OOS

The LINE is in the OUT-OF-SERVICE state and may be faulty. it is not being used to originate or terminate calls and its cut-off contact is open.

PLUGUP

The line is in the PLUGGED-UP out-of-service state. This is the same as the OOS state except that the line

SEE PROPRIETARY NOTICE ON COVER PAGE

OP LINE

OP LINE

is also on the plug-up list which causes terminating calls to be routed to intercept rather than receiving busy tone.

HAW

The LINE is in the HIGH AND WET out-of-service state and may be faulty. It is not being used to originate or terminate calls while the permanent signal condition exists. If the LINE returns to an on-hook state, it will be automatically placed back in the in-service idle state.

r COMPLETION REPORT

COMPL

The requested list of out-of-service LINES has been completed.

COMPL ALL OK

ALL requested LINES are OK. none of them are in the requested out-of-service states.

NOT START

A similar request is now active. Wait until its completion and then repeat the request.

ABT

An abort request was received. The requested OUTPUT has been aborted.

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-3H257 TSVREQ

Trunk, Line, Service, Circuit and Network Link
TTY Message Handler

SEE PROPRIETARY NOTICE ON COVER PAGE

OP LINE

OP LINE

PR-3H319 TSVNR

Trunk, Line & Service Circuit Nonresident Routines

ALM=4 CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C229

OP MATCH

OP MATCH

1. OUTPUT MESSAGE FORMAT

tt OP MATCH msg

2. EXPLANATION OF MESSAGE

This is the response message to a request to count all lines which have unique data values.

3. EXPLANATION OF VARIABLE FIELD

The "msg" field can take on one of the following formats:

1. ---> LIST NXX XXXX
(Where NXX XXXX is a local tn)
2. ---> ABORTED
(The message was aborted)
3. EXACT MATCHES = XXXXX
(This is the normal end and results of)

END End of Message

4. ACTION TO BE TAKEN

To be determined by the user. Follow local procedures.

5. REFERENCES

PR-3H206

CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

OP MON

OP MON

1. OUTPUT MESSAGE FORMAT

M tt OP MON wrd0 aaa bbbb TOTAL ERRORS ccccc
wrd1 wrd2 wrd3 wrd4 wrd5 wrd6 wrd7 wrd8 wrd9 wrd10 wrd11 wrd12

2. EXPLANATION OF MESSAGE

Used to OutPut the MONitoring results of a circuit,a circuit group or a type of circuit.

NOTE: A maximum of five monitors may be active and printed.

3. EXPLANATION OF VARIABLE FIELD

wrd0 is the circuit type being monitored:
TRK - Trunk
SVC - Service Circuit
ALNK - A-link
BLNK - B-link
JC - Junctor
LINE - Line

aaa is the
GROUP NUMBER for TRUNKS and SERVICE CIRCUITS.
CONCENTRATOR GROUP for A-LINKS,B-LINKS,LINES and
JUNCTORS.
BLANK - ALL CIRCUITS.

bbbb is the
MEMBER NUMBER for TRUNKS and SERVICE CIRCUITS.
JUNCTOR SWITCH NUMBER for B-LINKS and JUNCTORS.
CONCENTRATOR,OUTPUT SW. and OUTPUT SW. LEVEL
(HORIZONTAL) for A-LINKS.
CONCENTRATOR,INPUT SW. GROUP,INPUT SW. and INPUT
SW. for LINES.
BLANK - GROUP OF CIRCUITS.

SEE PROPRIETARY NOTICE ON COVER PAGE

OP MON

OP MON

cccc is the TOTAL ERROR COUNT for the monitored circuit

wrđ1-wrđ12

is the list of PERIPHERAL FAILURES that occurred at least once for the monitored circuit:

- CONT - CONTinuity failure
- RC - Ringing Continuity failure
- FCG - False Cross and Ground failure
- NWC - NetWork Controller error
- LLR - Low Leakage Resistance failure
- LCO - Line CutOff failure
- TTR - Touch-Tone Receiver error
- MFR - MF Receiver error
- FTO - False Trunk Origination error
- PST - Permanent Signal Timeout
- PDT - Partial Dial Timeout
- MFT - MF Transmitter error
- NSD - No Start Dial error
- EDP - Excessive Dial Pulse error
- ANIS - ANI Start failure
- CLC - Coin Line Circuit failure
- NCC - No-Coin Control failure
- SCC - StuCk-Coin control failure
- RVF - Restore VeriFy failure
- LCRV - Line Circuit Restore Verify failure
- PX - Power Cross failure

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-3H318 TSVMON

Trunk and Service Circuit Maintenance Aids Program

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OP MON NOT

OP MON NOT

1. OUTPUT MESSAGE FORMAT

M tt OP MON NOT START IN PROG

2. EXPLANATION OF MESSAGE

Used to indicate that an OutPut MONitor request is IN PROGress
and that another is not needed at this time.

3. EXPLANATION OF VARIABLE FIELD

None

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-3H318 TSVMON
Trunk and Service Circuit Maintenance Aids Program

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

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OP MON NOT

OP MON NOT

1. OUTPUT MESSAGE FORMAT

M tt OP MON NOT START NO MON

2. EXPLANATION OF MESSAGE

Indicates that no MONitoring OUTput will be done because NO MONitoring is in progress.

3. EXPLANATION OF VARIABLE FIELD

None

4. ACTION TO BE TAKEN

Activate monitoring, if desired, and then request monitoring output.

5. REFERENCES

PR-3H318 TSVMON
Trunk and Service Circuit Maintenance Aids Program

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt OP MSF a b c d

2. EXPLANATION OF MESSAGE

Response to a request for MultiScan Function status information.

3. EXPLANATION OF VARIABLE FIELD

- a - the current active MSF if any MSFs are in progress or the last executed MSF if none are in progress
- b - bits (0-15) set corresponding to the in progress MSFs
- c - bits (0-15) set corresponding to the requested MSFs
- d - bits (0-15) set corresponding to the aborting MSFs

<u>msf</u>	<u>program</u>	<u>function</u>
0	CBLM	update off line main store
1	CDGNM	cu diagnostics
2	DCON	peripheral diagnostics
3	CTAPM	tape unit diagnostics
4	ADMCON	administrative program tasks
5	MNRSUB	miscellaneous maintenance functions
6	OTOTST	cutover and office to office test
7	CNRUTL	off-line utilities
8	NFEX	network fabric exerciser
9	TRAFIC	daily traffic printouts
10	TTYMAP	nonresident TTY message catalog
11	NWGRID	nonresident network order sender
12	NWCEA	remreed network pattern analysis
13		unassigned
14		unassigned
15		unassigned

4. REFERENCES

PR-3H251 MCSUB Maintenance Subroutines

ALM=0 CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt OP NW COUNT c s date time

	CONCENTRATOR 0			CONCENTRATOR 1			OUTPUT SW GP	
CG	0	1	2	0	1	2	0	1
n	c01	c02	c03	c04	c05	c06	c07	c08
n	c11	c12	c13	c14	c15	c16	c17	c18
n	c21	c22	c23	c24	c25	c26	c27	c28
n	c31	c32	c33	c34	c35	c36	c37	c38
n	c41	c42	c43	c44	c45	c46	c47	c48
n	c51	c52	c53	c54	c55	c56	c57	c58
n	c61	c62	c63	c64	c65	c66	c67	c68
n	c71	c72	c73	c74	c75	c76	c77	c78

			STAGE 3					
OL	1L	OH	1H	2L	3L	2H	3H	
c81	c82	c83	c84	c85	c86	c87	c88	

2. EXPLANATION OF MESSAGE

Response to an OP:NW;COUNT input message or the Grid Error Count function has been AUTO RESTARTED. In the latter case the previous Grid Error Count function state was performing a MANUALLY STARTED Grid Error Counting. In this situation TWO such blocks will be printed, one for each side of the Control Complex counted.

3. EXPLANATION OF VARIABLE FIELD

c is the Control Complex the counts are for.

s is the side of that Control Complex the counts are for.

date is the date the counts were started.

time is the time the counts were started on that date.

n is the Concentrator Group for this Control Complex.

c01 thru c88 are the number of failures that have occurred on each grid since the counting was started.
The maximum number of failures is 65,535.

SEE PROPRIETARY NOTICE ON COVER PAGE

OP NW COUNT

OP NW COUNT

Once a counter has reached this value it will remain there until the counting is restarted. See RESET:NW;COUNT or BEGIN:NW;COUNT.

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-3H218 - GDCNT - Grid Error Count program
PK-3H301 - Network Trouble-Shooting Manual
BSP-233-153-145 - Remreed Network Fault Isolation Utilities

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C237

1. OUTPUT MESSAGE FORMAT

```

M tt OP NW STAT
tt OP NW STAT
  TV t STAT s
  JC g j STAT s
  BLNK g j STAT s
  ALNK g bcd STAT s
OP NW STAT r

```

2. EXPLANATION OF MESSAGE

Used to OutPut NetWork STaTe information. Network links that are currently out-of-service are listed. This includes junctor B-links, wire B-links, and A-links as well as test vertical test circuits, test vertical test multiples, junctor test verticals, and wire test verticals.

3. EXPLANATION OF VARIABLE FIELD

t is the TEST VERTICAL TYPE

```

TC n ==> test vertical test circuit
TM m ==> test vertical test multiple
JC g ==> junctor test vertical
BLNK g ==> wire test vertical

```

n is the TV TC (Test Vertical Test Circuit)

```

where 0 ==> wire TV TC, low concentrator groups
      1 ==> junctor TV TC, low concentrator groups
      2 ==> wire TV TC, high concentrator groups
      3 ==> junctor TV TC, high concentrator groups

```

m is the TV TM (Test Vertical Test Multiple)

```

where 0 ==> wire TV TM, even concentrator groups
      1 ==> wire TV TM, odd concentrator groups
      2 ==> junctor TV TM, even concentrator groups
      3 ==> junctor TV TM, odd concentrator groups

```

g is the CONCENTRATOR GROUP (1-15) of the link

j is the JUNCTOR SWITCH NUMBER (0-31) of the link

b is the CONCENTRATOR (0-1) of the link

SEE PROPRIETARY NOTICE ON COVER PAGE

OP NW STAT

OP NW STAT

c is the OUTPUT SWITCH NUMBER (0-7) of the link

d is the OUTPUT SWITCH LEVEL (0-7) of the link

s STATE

OOS

The LINK is in the OUT-OF-SERVICE state and may be faulty. it is not being used to perform its normal call handling functions.

COMPL ALL OK

ALL links in this class are OK. None of them are out-of-service.

r COMPLETION REPORT

COMPL

The requested list of out-of-service NETWORK LINKs has been completed.

NOT START

A similar request is now active. Wait until its completion and then repeat the request.

ABT

An abort request was received. The requested OUTPUT has been aborted.

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-3H257 TSVREQ

Trunk, Line, Service, Circuit and Network Link
TTY Message Handler

PR-3H319 TSVNR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

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OP NW STAT

OP NW STAT

Trunk, Line & Service Circuit Nonresident Routines

ALM=4 CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C240

OP OA STAT

OP OA STAT

1. OUTPUT MESSAGE FORMAT

tt OP OA STAT
OA state
OP OA STAT COMPL

2. EXPLANATION OF MESSAGE

Used to output the overload announcement status.

3. EXPLANATION OF VARIABLE FIELD

state:
ON - Turned on
OFF - Turned off

4. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C241

1. OUTPUT MESSAGE FORMAT

tt OP OFR n

2. EXPLANATION OF MESSAGE

This is the response to the OP:OFR office record request.

3. EXPLANATION OF VARIABLE FIELD

This message is followed by the printout of either an office record or the error message listed below. For the format of each office record printed, see the B SECTION of this manual or the corresponding input form in the translation guide.

n - START

This message reports the start of office records in the nightly routines.

n - COMPL

This message reports that the nightly routine functions are completed.

ST OFR MSG n

This message reports that the delay option was used on the input message and the request has been stored for printing during the nightly routines, where n is the printing sequence number.

ADM ERR nnnn

Look up nnnn in output message ADM ERR nnnn for details.

SEE PROPRIETARY NOTICE ON COVER PAGE

OP OFR

OP OFR

4. ACTION TO BE TAKEN

To be determined by user. Follow local procedures.

5. REFERENCES

PR-3H135 OPOFR
TG-3 TRANSLATION GUIDE

ALM=0 CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C243

1. OUTPUT MESSAGE FORMAT

tt OP OFR CHG a

2. EXPLANATION OF MESSAGE

Used to report the action taken for printing office records changed pages.

3. EXPLANATION OF VARIABLE FIELD

a - START

This message reports the START of printing the office records changed pages. (forms 3100, 3107-1, and 3107-2). This message is followed by a list of the first telephone number on each page to print and the printed pages.

a - STOPPED

This message reports the printing of office records changed pages was STOPPED. The reason for stopping is the allotted time for print office records has been exceeded. The changed page printing will continue at the next page the next time office records is scheduled to print. (see SCHED:OFR)

a - COMPL

This message reports that the printing of office record changed pages is completed.

4. ACTION TO BE TAKEN

None

SEE PROPRIETARY NOTICE ON COVER PAGE

OP OFR CHG

OP OFR CHG

5. REFERENCES

PR-3H138 OFR24

ALM=0 CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C245

1. OUTPUT MESSAGE FORMAT

tt OP OFR MSG n a

2. EXPLANATION OF MESSAGE

Used to report the action taken for printing office records delayed messages.

3. EXPLANATION OF VARIABLE FIELD

Where n is the message sequence number that was assigned this request on input.

a - START

This message reports the START of printing an office records delay message.

a - COMPL

This message reports that the printing of an office records delay message is completed.

a - STOPPED

This message reports the printing of office records delay message was STOPPED. The reason for stopping is the allotted time for printing office records has been exceeded. The office records delay messages will continue at the next page the next time office records is scheduled to print. (see SCHED:OFR)

4. ACTION TO BE TAKEN

SEE PROPRIETARY NOTICE ON COVER PAGE

OP OFR MSG

OP OFR MSG

None

5. REFERENCES

PR-3H138 OFR24

ALM=0 CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C247

1. OUTPUT MESSAGE FORMAT

tt OP OW ww

2. EXPLANATION OF MESSAGE

Response to an OP:OW input message.

3. EXPLANATION OF VARIABLE FIELD

- ww = COMPL - The output has completed.
- ww = STOPPED - The output has failed. The failure occurred for one of the following reasons:
 - The tape handler could not open the PATCH file (TAPE option only).
 - The tape handler could not service the current tape operation (TAPE option only).
 - An overwrite of the same number already exists in the overwrite file (TAPE option only).
see RMV:OW to reuse an existing OW number.
 - No TTY waiting list slots are available (TTY option only).
 - Output was interrupted manually by depressing the TTY break switch (TTY option only).
 - The end-of-file marker in the OWFILE could not be found (TAPE option only).

4. ACTION TO BE TAKEN

If tape error messages preceded the STOPPED response, they should be consulted first to identify the particular tape trouble. Otherwise, verify the overwrite number and check the overwrite file integrity by typing OP:OWFILE.

5. REFERENCES

SEE PROPRIETARY NOTICE ON COVER PAGE

OP OW

OP OW

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C249

1. OUTPUT MESSAGE FORMAT

```
tt  OP OWFILE aa
    GENID xxxxxxxx
    ISSID zzzzzzzz
    OW nnnnn s mmdd yyhh type
      :
    OW nnnnn s mmdd yyhh type
    CURR cur LENGTH len

    OP OWFILE COMPL
```

2. EXPLANATION OF MESSAGE

Response to an OP:OWFILE input message.

3. EXPLANATION OF VARIABLE FIELD

```
aa = SELECT if only selected overwrites printed (short census).
aa = ERR if the OWFILE has not been initialized.
xxxxxxx = Generic identifier from the file header.
zzzzzzz = Issue identifier from the file header.
nnnnn    = The number of the overwrite.
s        = Overwrite status (0=inactive, 1=active, 3=dead).
mmdd     = Month and day on which the overwrite was entered.
yyhh     = Year and hour on which the overwrite was entered.
type     = TRNSLN if a translation overwrite
           (default = generic).
cur      = Tape blocks containing overwrite data.
len      = Total length of the OWFILE.
```

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OP OWFILE STOPPED

OP OWFILE STOPPED

1. OUTPUT MESSAGE FORMAT

tt OP OWFILE STOPPED

2. EXPLANATION OF MESSAGE

Response to an OP:OWFILE input request. The request to output the overwrite has failed.

The failure occurred for one of the following reasons:

- The tape handler could not open the PATCH file.
- The tape handler could not service the current tape operation.
- No TTY waiting list slots were available.
- Output was interrupted manually by depressing the TTY break switch.

3. EXPLANATION OF VARIABLE FIELD

None

4. ACTION TO BE TAKEN

If tape error messages preceded the STOPPED response, they should be consulted first to identify the particular tape trouble. Otherwise, repeat the request when the TTY becomes idle.

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C251

1. OUTPUT MESSAGE FORMAT

```

tt  OP POSTMORT aa1
111 112 113 114 115 116 117 118
121 122 123 124 125 126 127 128
131 132 133 134 135 136 137 138
141 142 143 144 145 146 147 148

OP POSTMORT aa2
f11 f12 f13 f14 f15 f16 f17 f18
f21 f22 f23 f24 f25 f26 f27 f28
f31 f32 f33 f34 f35 f36 f37 f38
f41 f42 f43 f44 f45 f46 f47 f48
OP POSTMORT COMPL

```

2. EXPLANATION OF MESSAGE

Response to an OP:POSTMORT input message, or the system has just left the initialization state. In the latter case, the next initialization will be a level 1 initialization. The postmortem printout is a record of the last series of initializations. If the last initialization occurred when the system was not in the initialization state, the first four lines of data (which should be identical to the last four lines of data) represent the state of the CU in which the error occurred at the time of the initialization. If the last initialization occurred while the system was in the initialization state, the first four lines of data represent the state of the CU in which the error occurred at the time of the last initialization, and the last four lines represent similar data at the time of the first initialization. The first initialization is defined as the last one to occur when the system was not in the initialization state.

3. EXPLANATION OF VARIABLE FIELD

```

aa1  MAS address where the first 32 data words are saved
aa2  MAS address where the last 32 data words are saved
111  Bits 2-0 contain the initialization level number
      Bit 3 contains a flag indicating the level number reached
      its maximum value and recycled before the system left the
      initialization state.
      Bits 9-4 contain the seconds past the last minute
      Bits 15-10 contain the minutes past the last hour

```

SEE PROPRIETARY NOTICE ON COVER PAGE

112 Application bits
See section B, Application-oriented bit definitions.

113 Contents of store word SYSTATE (system state)

<u>Bit No.</u>	<u>Definition</u>
0	Off-line CU is standby ready
1	Off-line CU is out-of-service
2	Off-line CU is unavailable (locked or forced)
3	System is in initialization interval-- last initialization was less than 2 minutes ago
4	Off-line CU has been automatically removed due to a fault
5	Off-line CU has been removed by TTY request
6	System is updating the off-line CU memory
7	A program is using the off-line CU
8	Off-line CU panel is in MANUAL
9	0--CU0 is on-line 1--CU1 is on-line
10	Off-line main store is out-of-service
11	System status panel is out-of-service
12	Maintenance channel is out-of-service
13	A restore CU is in progress
14	An unconditional switch is in progress
15	Power key on off-line CC is operated

114 Initialization data

<u>Bit No.</u>	<u>Definition</u>
0	If 1, no switch occurred
1	Cause of initialization was a MCH message
2	1--Cause of initialization was first timeout
3	1--Cause of initialization was second timeout
4	CU was locked or forced on-line
5	If 1, initialization started by reloading memory from tape
6	The main store was out-of-date
7	No access exists to the other main store
8	0--CU0 is initializing 1--CU1 is initializing
9	If 1, the maintenance channel failed while the off-line registers were being retrieved for the postmortem dump.
14	System status panel memory reload request
15	System status panel initialization request

115 Contents of TI register
116 Contents of IS register
117 Contents of PA register, bits 19-16
118 Contents of PA register, bits 15-0

SEE PROPRIETARY NOTICE ON COVER PAGE

121 Contents of general register 8
122 Contents of general register 9
NOTE: If there was no switch, content is meaningless.
123 Contents of general register 10
NOTE: If there was no switch, content is meaningless.
124 Contents of general register 11
125 Contents of Store Error Register (SER)
126 Contents of IM register
127 Contents of DB register, bits 19-16
128 Contents of DB register, bits 15-0
131 Contents of general register 12
132 Contents of general register 13
133 Contents of general register 14
134 Contents of general register 15
135 Contents of HG register
136 Contents of Store Address Register (SAR)
137 Contents of SS register, bits 19-16
138 Contents of SS register, bits 15-0
141 Contents of word 0 of HG slot pointed to by 135
142 Contents of word 1 of HG slot pointed to by 135
143 Contents of word 0 of HG slot pointed to by 135+16
144 Contents of word 1 of HG slot pointed to by 135+16
145 Contents of word 0 of HG slot pointed to by 135+32
146 Contents of word 1 of HG slot pointed to by 135+32
147 Contents of ER register, bits 19-16
148 Contents of ER register, bits 15-0

f11 See 111
f12 See 112
f13 See 113
f14 See 114
f15 See 115
f16 See 116
f17 See 117
f18 See 118
f21 See 121
f22 See 122
f23 See 123
f24 See 124
f25 See 125
f26 See 126
f27 See 127
f28 See 128
f31 See 131
f32 See 132
f33 See 133
f34 See 134
f35 See 135
f36 See 136
f37 See 137
f38 See 138

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OP POSTMORT

OP POSTMORT

f41 See 141
f42 See 142
f43 See 143
f44 See 144
f45 See 145
f46 See 146
f47 See 147
f48 See 148

4. ACTION TO BE TAKEN

Analyze data in an attempt to determine the cause of the initialization. If help is requested or a trouble report is completed, this data should be included.

5. REFERENCES

PR-1C952 CINIT - Common Initialization

ALM=0 PRI=3 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C255

1. OUTPUT MESSAGE FORMAT

tt OP RT STAT
RT 0 status0
RT 1 status1
OP RT STAT COMPL

2. EXPLANATION OF MESSAGE

Used to OutPut the Ringing and Tone plant STATUS.

3. EXPLANATION OF VARIABLE FIELD

status0 - One of the following states for side 0 of the ringing tone plant (RT0):

<u>STATE</u>	<u>DESCRIPTION</u>
ACT	- active
STBY	- standby
OOS	- out of service
UAV	- unavailable
ACT-TRBL	- active trouble (RT 0 is active; however, a failure was detected).
ACT-UAV	- act unavailable (RT 0 is active; however, it is unavailable, i.e., power is off).
INVALID	- invalid (The status table STAT_TBL is not consistent with any understandable status.)

status1 - Same as status0 except for RT 1.

4. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OP SVC

OP SVC

1. OUTPUT MESSAGE FORMAT

M tt OP SVC a b STAT c
tt OP SVC a b STAT c
OP SVC STAT r

2. EXPLANATION OF MESSAGE

Used to OutPut SerVice Circuit STATe information. The output is terminated by a completion message only if a list of out-of-service service circuits is requested.

3. EXPLANATION OF VARIABLE FIELD

a is the GROUP NUMBER (64-127) of the service circuit

b is the MEMBER NUMBER (0-127) of the service circuit

c STATE

IDLE

The SERVICE CIRCUIT is in the in-service IDLE state.

BSY

The circuit is in the in-service BUSY state.

LKO

The SERVICE CIRCUIT is in the LOCKED-OUT out-of-service state and is suspected of being faulty. It is not selected by call processing programs to perform its normal call handling functions.

INVD

The SERVICE CIRCUIT is in an INVALID state. This may be the result of an error in translations or a program bug. The AU:MAINT input message will attempt to clear this invalid state.

r COMPLETION REPORT

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C257

OP SVC

OP SVC

COMPL

The requested list of out-of-service SERVICE CIRCUITS has been completed.

COMPL ALL OK

ALL SERVICE CIRCUITS are OK. none of them are out-of-service.

NOT START

A similar request is now active.. Wait until its completion and then repeat the request.

ABT

An abort request was received. The requested OUTPUT has been aborted.

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-3H257 TSVREQ

Trunk, Line, Service, Circuit and Network Link
TTY Message Handler

PR-3H319 TSVNR

Trunk, Line & Service Circuit Nonresident Routines

ALM=4 CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C258

1. OUTPUT MESSAGE FORMAT

```

tt OP SYNC s STAT
  SYNC s state1
    CU s ff state1
    SC 0s TEC cc state2
    NWC 0s TEC cc state2
    PPD 0s TEC cc state2
    SC 1s TEC cc state2 (if equipped)
    NWC 1s TEC cc state2 (if equipped)
    PPD 1s TEC cc state2 (if equipped)
  OP SYNC s STAT COMPL

```

2. EXPLANATION OF MESSAGE

Used to OutPut the STATus of a System Control (SYC) and its major components which include: Control Unit (CU) with status word; Scanner Controllers (SCs) with associated Transient Error Counts; NetWork Controllers (NWCs) with associated Transient Error Counts; and Peripheral Pulse Distributors (PPDs) with associated Transient Error Counts, if they are equipped.

3. EXPLANATION OF VARIABLE FIELD

s - the System Control in which the status is being printed.

state1 - one of the following states:

ACT - active
 STBY - standby
 OOS - out of service
 UAV - unavailable

ff - this octal code represents a binary field. Ones in this field indicate the processors state.

Bit No	Definition
0	Off-line CU is standby ready
1	Off-line CU is out-of-service
2	Off-line CU is unavailable (locked or forced)
3	System is in initialization interval - last initialization was less than 2 minutes ago

SEE PROPRIETARY NOTICE ON COVER PAGE

OP SYC

OP SYC

- 4 Off-line CU has been automatically removed due to a fault
- 5 Off-line CU has been removed by TTY request
- 6 System is updating the off-line CU memory
- 7 A program is using the off-line CU
- 8 Off-line CU panel is in MANUAL
- 9 0 - CU0 is on-line
1 - CU1 is on-line
- 10 Off-line main store is out-of-service
- 11 System status panel is out-of-service
- 12 Maintenance channel is out-of-service
- 13 A restore CU is in progress
- 14 An unconditional switch is in progress
- 15 Power key on off-line CC is operated

state2 - one of the following states:

- ACT - active
- STBY - standby
- OOS - out of service
- UAV - unavailable
- ACT-TRBL - active trouble (The controller is active; however, a failure was detected on it.)
- ACT-UAV - active unavailable (The controller is active; however, it is also unavailable, i.e., power is off.)
- INVALID - invalid (The status table STAT_TBL is not consistent with any understandable status.)

4. REFERENCES

PR-3H254-03 PURC PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C260

OP TDC STAT

OP TDC STAT

1. OUTPUT MESSAGE FORMAT

tt OP TDC STAT
TAPE 0 state
TAPE 1 state
OP TDC STAT COMPL

2. EXPLANATION OF MESSAGE

Used to output the status of the system tapes
(tape data controllers).

3. EXPLANATION OF VARIABLE FIELD

state:
INS - In service
OOS - Out of service

4. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C261

OP TRK

OP TRK

1. OUTPUT MESSAGE FORMAT

M tt OP TRK a b STAT c
tt OP TRK a b STAT c
OP TRK STAT r

2. EXPLANATION OF MESSAGE

Used to OutPut TRUnK STATe information. The output is terminated by a completion message only if a list of out-of-service trunks is requested.

3. EXPLANATION OF VARIABLE FIELD

a is the GROUP NUMBER (128-255) of the trunk

b is the MEMBER NUMBER (0-127) of the trunk

c STATE

IDLE

The TRUNK is in the in-service IDLE state.

BSY

The circuit is in the in-service BUSY state.

LKO

The TRUNK is in the LOCKED-OUT out-of-service state and is suspected of being faulty. It is not selected by call processing programs to perform its normal call handling functions. Two-way or incoming trunks in the LOCKED-OUT state will accept incoming calls.

LKO BSY

The trunk is in the LOCKED-OUT out-of-service state but is now BUSY handling an incoming call.

DSA

The trunk is in the DISABLED out-of-service state and

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OP TRK

OP TRK

is suspected of being faulty. It is not selected by call processing programs to perform its normal call handling functions and, in addition, all supervision is ignored. Thus, no incoming calls will be accepted on this trunk.

HAW

The TRUNK is in the HIGH AND WET out-of-service state and may be faulty. It is not being used to perform its normal call handling functions while the permanent signal condition exists. If the TRUNK returns to an on-hook state, it will be automatically placed back in the in-service idle state.

INVD

The TRUNK is in an INVALID state. This may be the result of an error in translations or a program bug. The AU:MAINT input message will attempt to clear this invalid state.

r COMPLETION REPORT

COMPL

The requested list of out-of-service TRUNKs has been completed.

COMPL ALL OK

ALL TRUNKs are OK. none of them are out-of-service.

NOT START

A similar request is now active. Wait until its completion and then repeat the request.

ABT

An abort request was received. The requested OUTPUT has been aborted.

4. ACTION TO BE TAKEN

none

SEE PROPRIETARY NOTICE ON COVER PAGE

OP TRK

OP TRK

5. REFERENCES

PR-3H257 TSVREQ
Trunk, Line, Service, Circuit and Network Link
TTY Message Handler
PR-3H319 TSVNR
Trunk, Line & Service Circuit Nonresident Routines

ALM=4 CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C264

1. OUTPUT MESSAGE FORMAT

tt OP TTYC a STAT PORT cc EQP dd BCP g

2. EXPLANATION OF MESSAGE

Response to an input message request to output the status of the specified TTYC.

3. EXPLANATION OF VARIABLE FIELD

<u>a</u> <u>PORT cc</u> cc	TTYC number for which the status is being reported.
<u>EQP dd</u> dd	A 16-bit field with the rightmost 8 bits describing the output and input status of the ports on the TTYC. The low 4 bits of word CC indicate the input status of the ports from left to right (port 3 through port 0). 1 = The port is shut off when the TTYC is idle so that the TTY device attached cannot be used for input. 0 = Input from the port can be seen from a TTY device connected to it. The next 4 bits, bits 7 through 4, indicate the output status of the ports from left to right (port 3 through port 0). 1 = The port is shut off during all output messages. 0 = Output will be seen on the TTY device connected to the port. A 16-bit field describing the status of the equipment assigned to the TTYC. Bit positions 3 through 0 indicate the alarm status of each port from left to right (port 3 through port 0). 1 = An alarm condition exists, low paper on a local TTY or carrier failure on a remote TTY. 0 = No alarm. Bit positions 11 through 8 indicate which port from left to right (port 3 through port 0) has an 'idle line control' device. This device will turn power off the equipment if it has not been used in some time. 1 = This port is equipped with idle line control; if one or more ports are so indicated, every output message to that TTYC will be delayed for 1 second after the keyboard blind character is sent. This delay allows time for the power to be turned on if it

SEE PROPRIETARY NOTICE ON COVER PAGE

OP TTYC

OP TTYC

is presently off.

0 = This port responds immediately to operational test and is, therefore, assumed not to be equipped with idle line control.

Bit positions 15 through 12 indicate which port from left to right (port 3 through port 0) responded to the WRU test.

1 = No response can be expected to a test on this port; at least 1 of the 4 ports must respond if the TTYC is to be left in service.

0 = A proper acknowledgement can be expected; each time an output sequence is begun, the next port in sequence that responds will be tested. If all ports can be expected to respond, each is then tested every fourth output message.

BCP g

g

The TTYC number to which all output will be directed and input accepted if this TTYC is taken out of service.

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-1C961 CTTYT

ALM=M PRI=3 CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C266

ORD NW

ORD NW

1. OUTPUT MESSAGE FORMAT

M tt ORD NW s COMPL n1 n2

2. EXPLANATION OF MESSAGE

Used to indicate that NetWork ORDer execution by the offline
has run to COMPLetion.

3. EXPLANATION OF VARIABLE FIELD

s is the NUMBER OF THE ORDER SEQUENCE sent
(see ORD:NW input message for description)

n1 n2

These numbers identify the total number of network orders
sent. n1 is the number of orders sent that passed and n2 is
the number that failed.

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-3H320 NWGRID
Network Grid Utility Programs

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

M tt ORD NW s FALT OPR o
a bbbb bbbb bbbb bbbb c dddd dddd dddd dddd

2. EXPLANATION OF MESSAGE

Used to indicate a failure of a NetWork ORDer by the offline network controller (NWC). The order sequence, failing operation number, I/O message sent, and reply received are identified.

3. EXPLANATION OF VARIABLE FIELD

s is the NUMBER OF THE ORDER SEQUENCE being sent
(see ORD:NW input message for description)

o is the OPERATION NUMBER identifying the failing order
0 ==> initialization order failure
other ==> see ORD:NW input message

a is the START CODE sent
0 ==> normal
1 ==> maintenance

bbbb bbbb bbbb bbbb is the 16-bit I/O MESSAGE sent

c is the reply START CODE received
0 ==> normal
1 ==> maintenance
- ==> no reply

dddd dddd dddd dddd is the 16-bit I/O REPLY received

4. ACTION TO BE TAKEN

Identify and repair the fault if possible. Consider using the UCL, RPT, or STEP modes of execution to gather more information about the trouble.

SEE PROPRIETARY NOTICE ON COVER PAGE

ORD NW

ORD NW

5. REFERENCES

PR-3H320 NWGRID
Network Grid Utility Programs

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C269

1. OUTPUT MESSAGE FORMAT

M tt ORD NW ABT a
tt ORD NW ABT a

2. EXPLANATION OF MESSAGE

Used to indicate that NetWork ORDER execution by the offline has been aborted.

3. EXPLANATION OF VARIABLE FIELDa ABORT REASON

blank

An abort request was received or 50 failure messages have already been generated.

REQ INVD

The REQuest is INValid. Either the order sequence or the network path is identified erroneously or the message is constructed incorrectly.

OFL ERR

Communication between the online and offline processors broke down. Suspect a trouble in the offline Control Unit (CU).

Other

A terminal/Link of the specified network path has not been removed from service. See the RMV:TRK, RMV:SVC, RMV:LINE, RMV:JC, RMV:BLNK, RMV:ALNK, or RMV:TV input messages as required.

4. ACTION TO BE TAKEN

SEE PROPRIETARY NOTICE ON COVER PAGE

ORD NW ABT

ORD NW ABT

Remedy the reason for the abort and request again if desired.

5. REFERENCES

PR-3H320 NWGRID
Network Grid Utility Programs

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C271

1. OUTPUT MESSAGE FORMAT

tt ORD STOP MSG IN POSERR

2. EXPLANATION OF MESSAGE

A warning of the possible misuse of the ORD:CNTRL:STOP message. The stop message is not expected at this time but the message will be accepted. When this stop order is executed all remaining orders will not be executed.

3. EXPLANATION OF VARIABLE FIELD

none

4. ACTION TO BE TAKEN

Check to make sure the order is in the location you planned. if it is, the remaining orders may be entered. If an error was made in entering the message, the orders entered to this point may be executed. If this is not profitable, all previously entered orders should be entered again after reinitializing the buffer used. See INIT:PROG message for details.

5. REFERENCES

PR-1C982 COUTIL COMMON ORDER UTILITIES

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt OTO bbb TN nxx-xxxx OE gg-cws1

2. EXPLANATION OF MESSAGE

In response to the input message EX:OTO. If only one TN is being tested this message is always printed. For a range of TN's under test it is printed for each TN only if option ATP is specified.

3. EXPLANATION OF VARIABLE FIELD

Telephone Number nxx-xxxx is being reported for reason bbb.
Where bbb is:

ATP

The TN nxx-xxxx and its associated line was tested. All tests done on the line have passed. This message is only printed if the ATP option was specified on the EX:OTO input message.

BSY

The TN nxx-xxxx was tested as busy in the old office. A second attempt was made and the TN was still busy. The line associated with the TN should be manually checked.

UNA

the TN nxx-xxxx is not assigned to a line. This message is printed only if one TN is under test.

UNT

The TN nxx-xxxx was not tested because it is a member of a PBX, MLHG, has special routing or is not PRECUT.

SEE PROPRIETARY NOTICE ON COVER PAGE

OTO

OTO

The line associated with TN nxx-xxxx has OE gg-cwsl.

gg - concentrator group
c - concentrator
w - switch group
s - switch
l - switch level

4. ACTION TO BE TAKEN

Manually check the TN's that are BSY or UNT. On the BSY TN's rerun the OTOTST program once the problem is cleared.

5. REFERENCES

PR3H081 OTOTST - Office To Office Test Program

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C274

1. OUTPUT MESSAGE FORMAT

tt OTO ABT xx

2. EXPLANATION OF MESSAGE

This message indicates that a failure has occurred while the Office To Office TeST program was executing. Although the test is aborted the Turnover/Cutover programs are still in the paging buffer.

3. EXPLANATION OF VARIABLE FIELD

A failure occurred for TROUBLE REASON xx.

xx Failure

- 00 - The office PRECUT bit is not set
- 10 - A TCR could not be selected.
- 11 - An OTO trunk could not be selected.
- 12 - A transmitter could not be selected.
- 13 - The Continuity Polarity Test Circuit could not be selected
- 14 - A route index expansion failed.
- 15 - A problem in circuit translations was found.
- 16 - A terminating translation failed.
- 30 - A distribute order failed.
- 31 - A failure during sending occurred.
- 32 - A failure occurred during a peripheral sequence.
- 64 - A TTY abort occurred.
- 65 - There was an abort from the MSF controller.

4. ACTION TO BE TAKEN

Repair the problem specified by the error code and retry the EX:OTO command.

5. REFERENCES

SEE PROPRIETARY NOTICE ON COVER PAGE

OTO ABT

OTO ABT

PR3H081 OTOTST - Office To Office Test Program

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C276

OTO COMPL

OTO COMPL

1. OUTPUT MESSAGE FORMAT

tt OTO COMPL

or

OTO COMPL

aaaa bbbb cccc dddd eeee ffff

2. EXPLANATION OF MESSAGE

The Office To Office TeST program is finished. All TN's requested by the EX:OTO message have been processed.

3. EXPLANATION OF VARIABLE FIELD

aaaa

The total number of TN's which were tested.

bbbb

The total number of TN's which have All Tests Passed.

cccc

The total number of TN's which were BuSY on two attempts.

dddd

The total number of TN's UNTested. These TN's were not tested because they are assigned to PBX's, MLHG's, have special routing or are not PRECUT. These TN's and their lines must be tested manually.

eeee

The total number of TN's UNAssigned.

ffff

The total number of TN's that have errors.

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C277

OTO COMPL

OTO COMPL

4. ACTION TO BE TAKEN

Take the printouts of failing and UNTested TN's and clear any problems.

5. REFERENCES

PR3H081 OTOTST - Office To Office Test Program

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C278

OTO ERR

OTO ERR

1. OUTPUT MESSAGE FORMAT

tt OTO ERR yy TN nxx-xxxx OE gg-cwsl

2. EXPLANATION OF MESSAGE

In response to the message EX:OTO. Result of a failure in testing a particular TN. The line assigned to the TN failed for TROUBLE REASON yy.

3. EXPLANATION OF VARIABLE FIELD

The line assigned to the TN nxx-xxxx failed because of trouble reason yy. where yy is:

01

During the Continuity Polarity test the CP circuit detected ground on the ring and battery on the tip instead of an open circuit.

02

During the Continuity Polarity test the CP circuit detected ground on the tip and battery on the ring instead of an open circuit.

03

During the Continuity Polarity test the CP circuit detected battery on the tip instead of an open circuit.

04

During the Continuity Polarity test the CP circuit detected battery on the ring instead of an open circuit.

05

During the Continuity Polarity test the CP circuit

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OUTPUT MESSAGE MANUAL

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OM-3H300-03-C279

OTO ERR

OTO ERR

detected ground on the tip instead of an open circuit.

06

During the Continuity Polarity test the CP circuit detected ground on the ring instead of an open circuit.

09

The cross connect between the old office and the No. 3 ESS is open.

10

The tip and ring are reversed somewhere in the cross connect.

11

The wiring of the line attending element in the old office does not agree with the No. 3 ESS translations.

12

The line cutoff in the old office did not operate as expected. Numerous errors of this type indicate a problem in the test distributor or test distributor control circuit.

The Telephone Number under test was nxx-xxxx. According to No. 3 ESS translations this TN is assigned to Office Equipment Number gg-cwsl.

gg - concentrator group
c - concentrator
w - switch group
s - switch
l - switch level

4. ACTION TO BE TAKEN

Manually recheck the line associated with the failing TN. Correct the trouble and rerun the Office To Office test for this TN.

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C280

OTO ERR

OTO ERR

5. REFERENCES

PR3H081 OTOTST - Office To Office Test Program

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C281

OTO LAST TN

OTO LAST TN

1. OUTPUT MESSAGE FORMAT

tt OTO LAST TN TESTED nxx-xxxx

2. EXPLANATION OF MESSAGE

In response to the message EX:OTO. This message precedes an OTO ABT message if the abort error code is greater than zero and if more than one TN is tested. It allows the craftsman to determine how far the testing proceeded before the error occurred. all TN's from the first TN up to TN nxx-xxxx have been processed.

3. ACTION TO BE TAKEN

Once the reason for the office to office abort is cleared, restart testing at the last TN tested.

4. REFERENCES

PR3H081 OTOTST - Office To Office Test Program

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C282

1. OUTPUT MESSAGE FORMAT

tt PAGEMON ABT aa bb

2. EXPLANATION OF MESSAGE

The paging monitor was aborted by the tape handler.

3. EXPLANATION OF VARIABLE FIELD

aa = segment being paged at point of abort (decimal)
bb = present logical tape position (decimal)

4. ACTION TO BE TAKEN

If tape error messages preceded the paging monitor abort, use these messages to identify the particular tape trouble. Otherwise, retry the paging function. If the failure persists, run tape diagnostics.

5. REFERENCES

PR-1C955 CPAGM Common Paging Monitor Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt PROG COMPL

2. EXPLANATION OF MESSAGE

Execution on a group of orders has completed normally. A new group of orders may be entered, the same group may be executed again, or the ORDUTIL function may be stopped.

3. EXPLANATION OF VARIABLE FIELD

none

4. ACTION TO BE TAKEN

Re-request the program to execute by entering the EXC:PROG message. Start to input new orders to execute, or request the ORDUTIL function to be stopped with the STOP:ORDUTIL message.

5. REFERENCES

PR-1C982 COUTIL COMMON ORDER UTILITIES

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

PROG STOPPED

PROG STOPPED

1. OUTPUT MESSAGE FORMAT

tt PROG STOPPED

2. EXPLANATION OF MESSAGE

Response to STOP:PROG message. Execution has been stopped on the orders presently being executed. This action is the result of either the STOP:PROG or ORD:CNTRL:STOP message.

3. ACTION TO BE TAKEN

Execution may be restarted (EXC:PROG), new orders may be entered (INIT:PROG), or the function may be stopped (STOP:ORDUTIL). see the appropriate input message for a more detailed explanation of each message.

4. REFERENCES

PR-1C982 COUTIL COMMON ORDER UTILITIES

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

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OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C286

RC CFN TN

RC CFN TN

1. OUTPUT MESSAGE FORMAT

tt RC CFN TN a CFN b

2. EXPLANATION OF MESSAGE

This message is printed in response to the changing of a call forwarded to telephone number by RC:CFN or customer-dialed digits.

3. EXPLANATION OF VARIABLE FIELD

- a - is the customer's telephone associated with the call forwarding change.
- b - is the call forwarded to telephone number. In the case of deactivating call forwarding, 'NO' is printed in this field.

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-3H199 CDCHG

CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C287

RC ERR

RC ERR

1. OUTPUT MESSAGE FORMAT

tt RC ERR nnnn

OR

tt RC ERR nnnn kw

2. EXPLANATION OF MESSAGE

This message is an error code in response to a recent change input message.

The error was encountered on the previous input message. The reason for the error is given below.

3. EXPLANATION OF VARIABLE FIELD

nnnn = error number. Individual definitions follow.
kw = KEYWORD is an optional parameter on the message.
KW is a keyword that can be associated with the error number.

0000 =

Default error code.

1000 =

Dictionary code is not NEW, CHG, or OUT.

1001 =

A vacant Translation Entry is required for this KEYWORD and the entry has been found to be assigned.

1002 =

An assigned Translation Entry is required for this KEYWORD and the entry has been found to be vacant.

1010 =

SEE PROPRIETARY NOTICE ON COVER PAGE

RC ERR

RC ERR

Required keyword not received.

1011 =

Incorrect keyword data.

1012 =

Invalid keyword.

1013 =

'NO' is not allowed for this keyword.

1014 =

Keyword has an out of range subfield.

1015 =

Keyword data is out of range.

1016 =

Translation entry does not exist.

1017 =

Invalid combination of Keywords or unable to determine the Recent Change from the Keywords specified.

1050 =

Repeat later, the line or circuit is busy.

1100 =

Error in attempting to write into the on-line store.
See following RC DNY message.

1101 =

Error in attempting to write into the off-line store.

1102 =

Off-line store is not accessible.

1105 =

Error in attempting to write the tape.

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1106 =

A program error has occurred during the RCMATCH. An attempt to recover from the off-line store is made. See RC DNY message.

1108 =

Encountered an error in attempting to read the RMK as stored on the tape (subroutine = CKADMERR in program OFR). May be due to out of service tape, addressing out of range, or faulty tape.

1109 =

Encountered an error in attempting to read the TOC and EQL as stored on the tape (subroutine = CKADMERR in program OFR). May be due to out of service tape, addressing out of range, or faulty tape.

1110 =

A TTY Controller cannot be deleted until all of its ports are deactivated.

1111 =

TTYC is 0 or 1 and TYP is NEW. Therefore, the value of the HS keyword, when specified, must be NO.

1112 =

TTYC is 2 or 3 and TYP is NEW. Therefore, the value of the HS keyword, when specified, must be YES.

1113 =

TTYC is 0, 1, 2 or 3 and TYP is CHG. The HS keyword is not allowed since the High Speed designation should never change for these four TTY Controllers.

1114 =

The High Speed bit in translations for the TTYC given is not the value that it should be. Repeat the Recent Change message, but this time include the HS keyword and its appropriate value. HS YES must be specified at least once for each TTYC requiring High Speed capability. This can be done when indicating any ONE of the equipped ports.

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1120 =

Back office data or past office data is in progress.

1131 =

A translation error was caused when attempting to process the RMK keyword. (Subroutines = RK_SETUP, RK_ERR)

1132 =

A tape error (tape out of service, tape hardware trouble, bad data on tape, or out of range) occurred while trying to process the RMK keyword. (Subroutines = RK_SETUP, RK_ERR)

1133 =

This error occurred while attempting to process the RMK keyword. This error should never have occurred. More than likely this has occurred due to a program bug (consult PECC). (Subroutines = RK_SETUP, RK_ERR)

1134 =

The RMK keyword is conditionally allowed for this message. The conditions were not met, hence the RMK was not accepted. See IM 3H300-03. (Subroutines = RK_SETUP, RK_ERR)

1135 =

The user is attempting to store a RMK outside the range allowed. Only 90 different hundred groups are allowed to have remarks. (Subroutines = RK_SETUP, RK_ERR)

1136 =

The user is attempting to store more than the allowed number of general remarks. Only 31 general remarks can be stored per hundreds group. See IM 3H300-03 for details. (Subroutines = RK_SETUP, RK_ERR)

1137 =

REMINDER The remark area on tape has been cleared for this entry. Reason: This is one of those few recent change messages that does not use the TYP keyword. Hence, there is no way to know if this is a NEW (i.e.,

first time) or a CHG request. For safety it is treated as a first time request. Thus the remark area is cleared from tape when the RMK keyword is not specified. Specifying the RMK keyword explicitly will prevent this error message from printing. See IM 3H300-03 for description of RMK keyword. (Subroutines = RK_SETUP, RK_ERR).

1138 =

Unable to access the remarks on tape due to inconsistent hundred group assigned on subfile = DNRMKS (file=OFR3). Either word 0 (NXX right justified in BCD) or word 1 (XX=station number of stored hundred group in BCD) is zero. Normally word 0 and word 1 should both be zero (unassigned) or both be non-zero (assigned).

1139 =

Unable to access the remarks on tape due to conflict in hundred group assignment between subfile=DNRMKS and subfile=DNCV90 (file=OFR3). The PACK TN of the hundreds group stored on DNCV90 disagrees with the hundred group of the TN STORED IN BCD in word 0 and word 1 of the appropriate area in DNRMKS.

2003 =

The Scan Point Number is not allowed to equal 000000.

2010 =

*** REMINDER *** The recent change message has been accepted. The office option to inhibit customer change of Speed Call is not retroactive. A recent change is required to each line and multi-line hunt group that has Speed Call service to update individual translations to agree with this change.

2015 =

An error has occurred while trying to zero the call forwarding list. Unable to complete the zeroing of the list.

2020 =

An error occurred while trying to zero customer dialed information, try RC:CFN message.

2021 =

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An error occurred while trying to zero speed call eight information, try RC:SCN message.

2022 =

An error occurred while trying to zero speed call thirty information, try RC:SCN message.

2050 =

The office is in precut mode, thus the TN and NTN should both be in the cut state or precut state and they were not.

2051 =

The telephone number TN or the new telephone number NTN is not allowed to equal the series completion telephone number SER.

2052 =

The given terminal number OE is not assigned to the given telephone number TN.

2053 =

*** TRANSLATION ERROR *** The given terminal number OE is assigned to the given telephone number TN, but the given telephone number TN is not assigned to the given terminal number OE.

2054 =

*** TRANSLATION ERROR *** Type of line cannot be determined from Originating and Terminating Major Classes.

2055 =

Invalid data for the Keyword TN or NTN.

2056 =

Invalid data for the Keyword OE or IOE.

2057 =

Either Keyword DP or DPU is allowed, but not both.

RC ERR

RC ERR

2058 =

The office codes for the series completion number SER and the telephone number TN or NTN should be equal, and they are not.

2059 =

The keyword OE is not a 2-party line as indicated, but the OE is assigned.

2060 =

A vacant entry for this feature is unavailable.

2065 =

A DTA (keyword DP) is required for this TEN (keyword OE) and it has been found to be assigned.

2070 =

The OE entry is not a multi-line hunt group terminal entry.

2071 =

The terminating major class (in Keyword LCC) is denied and, therefore, a route index is required (Keyword RTI).

2072 =

The terminal is denied terminating service (in Keyword LCC), and therefore the terminal can't be included in the hunt group. The terminal must be an outdial-only terminal.

2122 =

The keyword OE is followed by a data field that is out of range.

2130 =

The keyword SMR is missing.

2131 =

The keyword SMR is out of range or there is a bad translation (error return from GENTRY3).

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RC ERR

RC ERR

2151 =

There is no return telephone number (RTN) stored for this trigger number (TN). (See subroutine = AUTO_CB in XLSUB).

2200 =

The call processing and maintenance frames equipped masks are inconsistent.

2202 =

The keyword OE is out of range or there is a bad translation (SPTBL is garbaged).

2203 =

The keyword OE is not an assigned terminal.

2205 =

The OE or IOE is assigned to NOTEST, TLTP, FETL or TUTL.

2206 =

SP Invalid - SPN was not found in the Miscellaneous Subtranslator (subroutine SPNXLA).

2210 =

OE is all ready assigned to an originating major class other than auto-connect.

2211 =

A maximum of 6 TNs can be assigned to an auto-connect OE. This TN is the seventh.

2212 =

A vacant callback block is required, but none exist.

2213 =

A maximum of 2 TNs can be assigned the same message class (CLS). This TN is the third.

2214 =

The TTYC does not match the TTYC previously assigned to

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this message class.

2215 =

A miscellaneous auto-connect port was not specified. Therefore, a dedicated TTYC for the specified CLS must be used. The message class assigned to the TTYC is not the same as the one specified in the message.

2216 =

There is already another TN assigned for automatic dial up.

2217 =

Bad Callback Table Index stored in the TN entry. The Index points to a non-existent entry.

2218 =

The specified TN is not associated with the given CLS.

2219 =

It is illegal to change the auto-connect major classes: OMAJ and TMAJ.

2220 =

The OE is an auto-connect OE. The expand block containing four TNs is not a 4 word block or the expand number is bad. See translation layouts.

2221 =

The TTYC is already defined with a CLS different from the one specified on the input message.

2222 =

For TTYC0 and TTYC1, CLS must equal TTYC and it does not, or for TTYC > 1, CLS must be greater than 1 and it is not.

2223 =

Not allowed to remove port 0 of TTYC 0.

2224 =

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- TTYC 0 and 1 are not allowed to be removed.
- 2225 =
- The TTYC must be out-of-service to be removed.
- 2226 =
- Unable to remove the TTY Controller because there are auto-connect TN's assigned to this Controller.
- 2227 =
- An auto-connect OE requires a billing number (BTN).
- 2235 =
- Invalid telephone number: No NOC for office code, no office index for NOC and THOUSAND, or invalid Billing Number.
- 2240 =
- The given DPCN is already assigned.
- 2241 =
- No vacant entries in the Coin Triplet Address table.
- 2242 =
- *** TRANSLATION ERROR *** Line had an Invalid Coin Triplet Index. The index was removed.
- 2245 =
- Call forwarding service activation in progress.
- 2246 =
- Call forwarding service in active state.
- 2248 =
- Encountered a translation error when attempting to obtain the LCC (subroutine GET_LCC).
- 2249 =
- Translation error occurred when attempting to retrieve LCC information (called subroutine LNCLASS).

2250 =

Translation error occurred when attempting to obtain the Line Class Code Index from the Line Class Code (called subroutine LCCXLCI).

2251 =

The specified LCC is not allowed for this type of line.

2253 =

The specified Line Class Code is not valid for this message.

2254 =

The Line Class Code is undefined (invalid).

2255 =

The Line Class Index associated with the LCC is out of the range of 0 through 15.

2256 =

The Line Class Code entry in the LCCTBL translator is unassigned.

2281 =

Line Class Code error.

2282 =

The Line Class Code's Screening Class is not defined in the Screening Tables.

2283 =

Invalid combination of Originating and Terminating Major Classes.

2284 =

Invalid party number for the Originating and Terminating Major Classes.

2286 =

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RC ERR

RC ERR

TESTLINE table is full. It contains the maximum number of test terminals it was allocated.

2287 =

Translation error in entering TESTLINE table.

2288 =

Translation error in entering CUTSTAT table.

2289 =

An error has occurred while processing CUTSTAT table. The Recent change message is complete except for required changes to CUTSTAT table.

2290 =

Invalid Scan Point: Scan Point is either a Line Scan Point, a Miscellaneous Scan Point, a non-existent scan point, or a scan point already assigned as a non-key Universal Scan Point).

2291 =

The Scan Point Number assigned to the line was found to be bad (a Line SPN, a Miscellaneous SPN, a non-existent scan point entry, or a non-key SPN (Universal SPN)). The Scan Point was removed.

2301 =

Two Party Line: use message RC:TWOPTY.

2302 =

Multi-Party Line: use message RC:MPTY.

2303 =

Multi-Line Hunt Group Terminal: use message RC:MTL.

3050 =

Translation entry for Keyword RTI or ARTI does not exist.

3051 =

Invalid entry into MTI table SCRTBL.

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3052 =

Invalid screening class number for SCRTBL size.

3100 =

3 to 7 digits are required for conversion.

3112 =

The route index is out of range, it should be 8 through 255.

3113 =

The Route Index is out of range, it should be 0-7.

3115 =

*** TRANSLATION ERROR *** Invalid route index expansion entry type.

3120 =

The screening table number is out of range, it should be 0 through 63.

3121 =

The screening class number is out of range, it should be 0 through 62.

3122 =

The charge index is out of range, it should be 1 or between 16 and 31.

3123 =

CTYP in an existing translation entry has an illegal value of 3 in it.

3227 =

The three-digit area translator does not exist, or there was an error in determining the three-digit area translator word-entry relationship.

3231 =

SEE PROPRIETARY NOTICE ON COVER PAGE

RC ERR

RC ERR

The Code Index for this Keyword is not allowed to equal the CDI.

3232 =

Translation Entry for Keyword CDI, NPCI, P1CI, POCI, ACDI, or OCDI doesn't exist.

3233 =

*** TRANSLATION ERROR *** Unable to read the translation data.

3234 =

Because the area translator is not a partial translator (search table), 'NO' is not allowed for Keyword DIG.

3249 =

The given CAC number is unassigned.

3250 =

Cannot translate the CAC number. Either the translator CCTBL does not exist, it is garbaged, or a digit is out of range.

3251 =

The CAC digit entry contains a Code Index. The code was previously marked INVALID.

3252 =

The CAC code is already assigned.

3253 =

The CAC digit entry contains a Table Number indicating the CAC number is not a valid number. There should be another digit after the entered number. The number expands beyond the number inputted.

3254 =

The CAC number entered has a valid entry before all digits of the code are processed.

3255 =

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RC ERR

RC ERR

The CAC number entered translated into an invalid entry containing the Code Index before all the digits were processed.

3256 =

There is no vacant table left and one is needed to input the data for the CAC number entered.

3257 =

Invalid data is stored in Table 0 Entry 1 of the CCTBL translator.

3258 =

THIS ERROR SHOULD NEVER HAPPEN. PROGRAM BUG.

3259 =

The data inputted for CAC was 'NO' but table 0 entry 1 indicates that IDDD exists. Cannot input 'NO' when IDDD exists.

3260 =

The CAC digit entry is vacant. A TYP NEW message should be inputted to enter the CAC data.

3261 =

The CAC number entered translate into a vacant entry before all the digits were processed.

3262 =

The CAC digit entry is vacant. A TYP OUT message has no effect therefore nothing is done.

3263 =

Table 0 entry 1 should contain the next table entry pointing to table 1.

3264 =

The keyword MXDE is not greater than or equal to the keyword MNDE.

3265 =

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RC ERR

RC ERR

The keyword MNDE was not received. MNDE must be inputted when MXDE is inputted on TYP NEW.

3266 =

The keyword MXDE was not received. MXDE must be inputted when MNDE is inputted on TYP NEW.

4220 =

The four-digit translator does not exist, or there was an error in determining the number group table word-entry relationship, or there was an error while trying to get the four-digit translation data (subroutines TERMXL or TXLNPC).

4224 =

A Route Index cannot be written into a non-vacant Thousands Group Table Entry.

4230 =

Number Group Table Entry points to a Thousands Table and, therefore, can't be used to store a Code Index.

4231 =

Hundreds Group Table must be defined, but it is not.

4232 =

Incorrect number of digits received.

4235 =

Unable to translate the series completion telephone number for this line (subroutine = UPK_DN).

5049 =

A speed call index of zero was selected for MLHG. This is invalid. Try again after an RC:LINE or RC:MTL message that selected a speed call index.

5050 =

Translation entry for Keyword GRP or HML does not exist.

5051 =

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RC ERR

RC ERR

Either Keyword TBL, SCR, or NDE is required for an Incoming Trunk Group.

5052 =

To have both Keyword DISC equal 3 (Customer Hold) and Keyword AUDB equal 'YES' is not allowed.

5053 =

CAMA Trunks require that Keyword DISC equal 0 (Regular Hold), but it does not.

5054 =

TSP(S) trunks require that Keyword DISC equal 2 (Service Hold), but it does not.

5055 =

Keywords STP, OLP, LP require Keyword ODP.

5056 =

Keyword EM requires Keyword CKT to be 1 or 2 (2-way trunk).

5057 =

BYLK Trunks require that Keyword ST equals 0.

5058 =

Either Keyword OMF or ODP may be specified, but not both.

5059 =

Either Keyword NTBL, Keywords CODE and NDE, or keywords RTI and NDE are required.

5060 =

The NTBL number can't equal the TBL number.

5062 =

Keyword ST equal 3 (Wink Start) requires that Keyword DIR equals 2 (2-way Trunk).

5065 =

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Either Keyword PBTN or OPTN or both must be specified.

5068 =

The last hunt terminal (Keyword LHT) specified for hundreds group entry is greater than the last hunt terminal (Keyword HSZ in RC:MLHG) specified for the group, or the last hunt terminal (Keyword LHT) is less than the first hunt terminal (Keyword TER).

5069 =

The terminal number (Keyword TER) is greater than the last hunt terminal for the group (Keyword HSZ in RC:MLHG).

5070 =

The hunt size (Keyword HSZ) is not less than or equal to the group size.

5072 =

The stop hunt terminal (Keyword EHT) is not less than or equal to the hunt size (Keyword HSZ).

5073 =

Either Keyword BTN or BLN is required.

5074 =

Either Keyword BTN or BLN is required, but not both.

5075 =

Either Keyword BTN or BLN is allowed, but not both.

5076 =

SKEY may only be 1 through 9.

5077 =

SPN is either not universal or is already assigned.

5078 =

Both keywords SKEY and SPN must be input if either is inputted.

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5080 =

Unable to determine type of one-digit translation entry.
Remove the entry (TYP=OUT) then redefine (TYP=NEW).

5090 =

Keyword SP and DSP are the same, but they must be
unique.

5100 =

The group number is out of range, it should be 64
through 255.

5101 =

The group number is out of range, it should be 0 through
63.

5110 =

Group is a PBX/MLHG.

5111 =

Member number is greater than list size or no TEN.

5200 =

The Group is in service. It must be taken out of
service before inputting the message.

5201 =

The Group has working members. For NEW and OUT order,
the group must not have a working member.

5202 =

Circuit code must be a two-way or incoming trunk code,
but it is not.

5203 =

Circuit Code must be a two-way or outgoing trunk code,
but it is not.

5204 =

RC ERR

RC ERR

Circuit Code must be a two-way code, but it is not.

5205 =

Circuit Code assignment for this Group is incorrect.

5206 =

The Office Code does not have a Normalized Office Code.

5207 =

*** TRANSLATION ERROR *** Unable to get the selection status block.

5208 =

The scan list is affected by this change and, therefore, each member in the group must be removed from the list and re-inputted after GRP data is changed.

5220 =

The group translator does not exist, or there was an error in determining the group data word-entry relationship (subroutine GRPX).

5222 =

The group member list translator does not exist, or the member list index points beyond the member lists, or there was an error in determining the member list word-entry relationship, or the member number points beyond the member list (subroutine CKTLST).

5224 =

Unable to get the groups address of the member list because the group member list translator does not exist, or the member list index points beyond the member lists, or there was an error in determining the member list word-entry relationship.

5228 =

The member list is not a trunk member list.

5230 =

All NPA entries are already assigned.

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RC ERR

RC ERR

6199 =

The customer-dialed change buffer (WRTBUF) was overfilled by a write request. PROBABLE program bug.

6200 =

The expansion tables do not exist, or the expansion table number points beyond the expansion head table, or there was an error in determining the expansion head table word-entry relationship, or the 1-, 2-, or 4-word expansion table is unassigned, or the expansion entry number points beyond the 1-, 2-, or 4-word expansion table (subroutine EXPAND).

6201 =

The maximum number of table full indicator bits that can be changed on one input request has been reached. The change can be reattempted.

6300 =

Tried to overflow EXPBUF or OPTBUF or USE_BUF.

6301 =

No available expansion buffers of one-word size.

6302 =

No available expansion buffers of two-word size.

6304 =

No available expansion buffers of four-word size.

6308 =

No available expansion buffers of eight-word size.

6310 =

There are no unused expansion blocks of the required size in the CODLST translator.

7005 =

Incrementing error which should never happen.

7013 =

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RC ERR

RC ERR

Unable to access the TOC or EQL from tape (file = OFR3).

7014 =

Unable to access the LCC from tape (file = OFR3).

7015 =

Unable to access the LCC, TOC, and EQL from tape (file = OFR3).

7016 =

Unable to store LCC (file = LCC_TBL).

7017 =

Unable to obtain LCC from file given the LCI (file = LCC TBL).

8005 =

A reallocation is already in progress.

4. ACTION TO BE TAKEN

Correct the message and retype.

5. REFERENCES

The programs which output these messages are the Recent Change programs. Also refer to the RC:xxxx input message previously inputted.

ALM=0 CHL=MTC,MTR,SO,TRF

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OM-3H300-03-C309

RCOVRY AU AB0

RCOVRY AU AB0

1. OUTPUT MESSAGE FORMAT

tt RCOVRY AU AB0 ddd

2. EXPLANATION OF MESSAGE

This message is generated by the All Circuit Busy Audit Program when it finds a circuit group that has its All Circuit Busy bit falsely set. The All Circuit Busy bit is cleared.

3. EXPLANATION OF VARIABLE FIELD

The variable in this message identifies the group that was found to have its All Circuit Busy bit falsely set and cleared by the audit program.

ddd Group Number

4. ACTION TO BE TAKEN

This message is likely to be indicative of a program error. A Trouble Report should be filed in accordance with local procedures.

5. REFERENCES

PR-3H001 (AUIDB) the all circuits busy audit program

CHL=MTC,MTR

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ISSUE 4

OM-3H300-03-C310

1. OUTPUT MESSAGE FORMAT

tt RCOVRY AU BLO ss rr bb

2. EXPLANATION OF MESSAGE

This message is generated by the Busy Line Audit Program when it finds a line that is falsely marked busy. The line has been restored to service.

3. EXPLANATION OF VARIABLE FIELD

The variables in this message identify the line involved. The line is identified by its Scan Point Number.

ss	Scanner (or Concentrator Group, or Frame)
rr	Row
pp	Point within row

4. ACTION TO BE TAKEN

This message is likely to be indicative of a program error. A Trouble Report should be filed in accordance with local procedures.

5. REFERENCES

PR-3H001 (AUIDB) the busy line audit program

CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt RCOVRY AU BSmm ddd

2. EXPLANATION OF MESSAGE

This message is generated by the Busy Service Circuit Audit Program when it finds a service circuit that is falsely marked busy. The service circuit has been restored to service.

3. EXPLANATION OF VARIABLE FIELD

The variables in this message identify the circuit that was found falsely marked busy and restored to service by the audit program.

ddd	Group Number
mm	Member Number

4. ACTION TO BE TAKEN

This message is likely to be indicative of a program error. A Trouble Report should be filed in accordance with local procedures.

5. REFERENCES

PR-3H001 (AUSB) the busy service circuit audit program

CHL=MTC,MTR

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RCOVRY AU BTmm

RCOVRY AU BTmm

1. OUTPUT MESSAGE FORMAT

tt RCOVRY AU BTmm ddd

2. EXPLANATION OF MESSAGE

This message is generated by the Busy Trunk Audit Program when it finds a trunk that is falsely marked busy. The trunk has been restored to service.

3. EXPLANATION OF VARIABLE FIELD

The variables in this message identify the circuit that was found falsely marked busy and restored to service by the audit program.

ddd	Group Number
mm	Member Number

4. ACTION TO BE TAKEN

This message is likely to be indicative of a program error. A Trouble Report should be filed in accordance with local procedures.

5. REFERENCES

PR-3H001 (AUIDB) the busy trunk audit program

CHL=MTC,MTR

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OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C313

1. OUTPUT MESSAGE FORMAT

tt RCOVRY AU CF5 aaa bbbbbb cccccc dddddd eeeeeee

2. EXPLANATION OF MESSAGE

This message is generated by the stable call forwarding audit program when it encounters a terminal memory record which is improperly linked to an auxiliary terminal memory record (AUXTMR). The situation is cleared by zeroing the AUXTMR and resetting the call forward bit in the TMR. As a result of the action other audit failures are likely.

3. EXPLANATION OF VARIABLE FIELD

The variables of this message indicate which TMR contained the invalid TMR-->AUXTMR linkage and the contents of the TMR.

aaa = the number of the TMR

bbbbbb = contents of the 1st word of the TMR

ccccc = contents of the 2nd word of the TMR

dddddd = contents of the 3rd word of the TMR

eeeeee = contents of the 4th word of the TMR

4. ACTION TO BE TAKEN

This message is indicative of a program error. A trouble report should be filed in accordance with local procedures.

5. REFERENCES

PR-3H098-02 (CAUDIT) custom calling audits program

ALM=0 CHL=MTC,MTR

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1. OUTPUT MESSAGE FORMAT

tt RCOVRY AU CWn ddd aaaaaa bbbbbb cccccc eeeee

2. EXPLANATION OF MESSAGE

This message is generated by the stable TMR audit program when it finds a terminal memory record doing call waiting incorrectly. The condition has been cleared by setting it to the proper value.

3. EXPLANATION OF VARIABLE FIELD

The variables in this message identify the type of error, the TMR involved, and the contents of the TMR.

n	code indicating type of error found
	the meaning of the codes are shown below
ddd	number of the TMR associated with the error
aaaaaa	contents of the 1st word of the TMR
bbbbbb	contents of the 2nd word of the TMR
ccccc	contents of the 3rd word of the TMR
eeeeee	contents of the 4th word of the TMR
meaning of the error codes (n):	
0	unable to access APARTY CW customer's jctr status bits
1	unable to access BPARTY CW customer's jctr status bits
2	APARTY CW customer split in the talk half of the call
3	BPARTY CW customer split in the talk half of the call
4	APARTY CW customer ignored in the talk half
5	BPARTY CW customer ignored in the talk half
6	APARTY CW customer ignored and split in talk half
7	BPARTY CW customer ignored and split in the talk half
8	APARTY CW customer isolated from CW group
9	BPARTY CW customer isolated from CW group

4. ACTION TO BE TAKEN

This message is likely to be indicative of a program error. A trouble report should be filed in accordance with local procedures.

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RCOVRY AU CWn

RCOVRY AU CWn

5. REFERENCES

PR-3H002 (AUDITS) the stable TMR audit program

CHL=MTC,MTR

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OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C316

1. OUTPUT MESSAGE FORMAT

tt RCOVRY AU HWmm ddd

2. EXPLANATION OF MESSAGE

This message is generated by the High and Wet Trunk Audit Program when it finds a trunk that is falsely marked High and Wet. The trunk has been restored to service.

3. EXPLANATION OF VARIABLE FIELD

The variables in this message identify the circuit that was found falsely marked High and Wet and restored to service by the audit program.

ddd	Group Number
mm	Member Number

4. ACTION TO BE TAKEN

This message is likely to be indicative of a program error. A Trouble Report should be filed in accordance with local procedures.

5. REFERENCES

PR-3H001 (AUIDB) the high and wet trunk audit program

CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C317

1. OUTPUT MESSAGE FORMAT

A tt RCOVRY AU MAINT code
RCOVRY AU MAINT code a
RCOVRY AU MAINT code a b
RCOVRY AU MAINT code a b c

2. EXPLANATION OF MESSAGE

Indicates that a MAINTenance AUdit error condition exists. The type of error and data pertinent to the error type.

3. EXPLANATION OF VARIABLE FIELD

code - Indicates the error that has occurred. The error codes are as follows:

- 1 - Trunk and service circuit out of service limit count(tsvlim) is in error.
- 2 - Total trunk out of service count(trkoosc) is in error.
- 3 - Total service circuit out of service count (svcoosc) is in error.
- 4 - Maintenance busy count(mbc) is in error.
- 5 - An overflow of the restart for the trunk and service circuit counts audit has occurred. Terminate the trunk and service circuit counts audit.
- 6 - Translation error - Failure return from nuwkmems subroutine in trk&svc audit.
- 7 - Translation error - Failure return from status_g subroutine in trk&svc audit.
- 8 - Translation error - Return data from nuwkmems subroutine is incorrect.
- 9 - Translation error - Return data from spnxla subroutine is incorrect.
- 10 - Miscellaneous scan point ignore bit error.
- 11 - Major power alarm count is in error.
- 12 - Minor power alarm count is in error.
- 13 - Fuse alarm count is in error.
- 14 - Plus 24 volt power state is in error.
- 15 - A circuit is in an invalid state.
- 16 - Translation error - Return from IL_00 subroutine bad spn.

SEE PROPRIETARY NOTICE ON COVER PAGE

- 17 - Translation error - Return from idleckt
subroutine unlocatable
status bits.
 - 18 - Entry in the plug-up list was not marked
maintenance busy.
 - 19 - Entry in the line timing table was not
marked maintenance busy.
- a - Is the current count for error codes: 1-3 & 11-14.
Is a group number for error codes: 4,6,7,8,15-17
Is the scanner for error codes: 9&10
Is the entry(ten) removed for error codes: 18&19
- b - Is the correct count for error codes: 1-3 & 11-14.
If the error code is a 1? Then the correct count
is a decimal number representing the two binary
counters in TSVLIM. Bits (7-0) is the SVC limit
counter and bits (15-8) is the TRK limit counter.
- Is a member number for error codes: 15-17
Is the current count for error codes: 4,8
Is the row of the scanner for error codes: 9&10
- c - Is the correct count for error codes: 4,8
Is the point in the row for error codes: 9&10

4. ACTION TO BE TAKEN

An audit error probably indicates a program error. A trouble report should be issued in accordance with local procedures.

5. REFERENCES

PR-3H314 - MAUD: MAINTENANCE AUDITS

ALM=5 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

A tt RCOVRY AU MAINT a b c OFN

2. EXPLANATION OF MESSAGE

Indicates that the scan point specified is in an Off Normal state. the scan point specified is reporting an alarm condition.

3. EXPLANATION OF VARIABLE FIELD

- a - Is the scanner.
- b - Is the row in the scanner.
- c - Is the point in the row.

4. ACTION TO BE TAKEN

Resolve the Off Normal indication.

5. REFERENCES

PR-3H314 - MAUD: MAINTENANCE AUDITS

ALM=5 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

A tt RCOVRY AU MAINT PD wrd1 dd

2. EXPLANATION OF MESSAGE

Indicates that a MAINTenance AUdit error condition exists for the EQUIPPED PD MAP audit.

3. EXPLANATION OF VARIABLE FIELD

wrd1 - Indicates the error that has occurred:

ABT - An abort of the PD MAP audit has occurred due to the PPD CONTROLLER failure to respond.

ERR - An error in the PD MAP has been found.
A matrix pack has been found in the control frame that is not reflected in the PD MAP.

dd - Is the word in the PD MAP where the ERRor has been found.

Each word represents one matrix pack.

4. ACTION TO BE TAKEN

Resolve the PD MAP error:

If wrd1 is ABT - The PPD CONTROLLER diagnostic should be used to correct any hardware problem in the PPD.

If wrd1 is ERR - Resolve weither or not the matrix pack (FC206) is to be equiped. If not, remove the pack. If so, use the appropriate Recent Change to assign the PDs.

5. REFERENCES

SEE PROPRIETARY NOTICE ON COVER PAGE

RCOVRY AU MAINT

RCOVRY AU MAINT

PR-3H314 - MAUD: MAINTENANCE AUDITS

ALM=5 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM -3H300-03-C322

1. OUTPUT MESSAGE FORMAT

tt RCOVRY AU NWyy zzzw

2. EXPLANATION OF MESSAGE

The network audit found a bit in the network map that did not agree with the data available in the tmrs and the link out of service list.

The w, yy, & zzz variables will point to the A or B link in error.

3. EXPLANATION OF VARIABLE FIELD

yy is a code defined as follows:

- 1 implies that busy A-link was idle in the network map.
- 2 implies that busy B-link was idle in the network map.
- 11 implies that an idle link was busy in the network map.
- 21 implies that an oos link was idle in network map.
- 22 implies that an oos junctor was idle in network map.

zzz is a hexadecimal offset from the beginning of network map.
w points to the bit position in the zzz word that was in error.

if the binary equivalent of zzzw is written out, it can be interpreted as follows:

- 0000 to 007F are invalid (conc. grp. 0).
- 0080 to 03FF are A-links in network 0.
 - Bits 9-7 are concentrator group number.
 - Bit 6 is concentrator number.
 - Bits 5-3 are 2nd stage switch number.
 - Bits 2-0 are 2nd stage switch level number to which the A-link is connected.
- 0400 to 041F are invalid (conc. grp. 0).
- 0420 to 04FF are circuit B-links in network 0.
 - Bits 7-5 are concentrator group number.
 - Bits 4-0 are junctor switch number.
- 0500 to 051F are invalid (conc. grp. 0).
- 0520 to 05FF are wire B-links in network 0.
 - Bits 7-5 are concentrator group number.
 - Bits 4-0 are junctor switch number.
- 0600 to 09FF are A-links in network 1.
 - Bits 9,8,7 are concentrator group number.
 - Bit 6 is concentrator.

SEE PROPRIETARY NOTICE ON COVER PAGE

RCOVRY AU NWyy

RCOVRY AU NWyy

Bits 5-3 are 2nd stage switch number.
Bits 2-0 are 2nd stage switch level number
to which the A-link is connected.
0A00 to 0AFF are circuit B-links in network 1.
Bits 7-5 are concentrator group number.
Bits 4-0 are junctor switch number.
0B00 to 0BFF are wire B-links in network 1.
bits 7-5 are concentrator group number.
bits 4-0 are junctor switch number.

4. ACTION TO BE TAKEN

No immediate action is required, however, an effort should be made to determine the cause of all audit messages.

5. REFERENCES

AUDNET & PATHNT

CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C324

1. OUTPUT MESSAGE FORMAT

tt RCOVRY AU STm ddd aaaaaa bbbbbb cccccc eeeee

2. EXPLANATION OF MESSAGE

This message is generated by the Stable TMR Audit Program when it finds a Terminal Memory Record (TMR) that violates one of several conditions. The condition has been cleared, possibly by tearing down the stable call associated with the bad data. The TMR is disposed of by simulating the action of a calling party on-hook. See also RCOVRY AU STn message.

3. EXPLANATION OF VARIABLE FIELD

The variables in this message identify the type of error, the TMR involved, and the contents of the TMR. This TMR contents can be used to determine the parties involved in the call if it was torn down.

m	Code indicating the type of error found The meaning of the codes are shown below
ddd	Number of the TMR associated with the error
aaaaaa	Contents of the 1st word of the TMR
bbbbbb	Contents of the 2nd word of the TMR
ccccc	Contents of the 3rd word of the TMR
eeeeee	Contents of the 4th word of the TMR

Meaning of the error codes (m):

- 0 Ignore bit was set for X side of junctor
- 1 Ignore bit was set for Y side of junctor
- 2 Ignore bit was set for A-Party trunk
- 3 Trunk Scan Point of A-Party was On-Hook
- 4 Ignore bit was set for B-Party trunk
- 6 Junctor Scan Point of A-Party (Line) was On-Hook
- 7 Junctor Scan Point of B-Party (Line) was On-Hook

RCOVRY AU STm

RCOVRY AU STm

4. ACTION TO BE TAKEN

This message is likely to be indicative of a program error. A Trouble Report should be filed in accordance with local procedures.

5. REFERENCES

PR-3H002 (AUDITS) the stable TMR audit program

CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C326

RCOVRY AU STn

RCOVRY AU STn

1. OUTPUT MESSAGE FORMAT

tt RCOVRY AU STn ss rr pp

2. EXPLANATION OF MESSAGE

This message is generated by the Stable TMR Audit Program when it finds a line that is involved in a stable call yet is marked Idle in the line status bits. The error was corrected by marking the line busy in the line status bits. See also RCOVRY AU STm message.

3. EXPLANATION OF VARIABLE FIELD

The variables in this message identify the affected line (by Scan Point Number) and indicated which party of the stable call contained this line.

n	Code indicating party of the affected line
8	Indicates calling party (A-Party)
9	Indicates called party (B-Party)
	Line's Scan Point Number
ss	Logical Scanner Number (1-15)
rr	Row Number (0-23)
pp	Point Number (0-15)

4. ACTION TO BE TAKEN

This message is likely to be indicative of a program error. A Trouble Report should be filed in accordance with local procedures.

5. REFERENCES

PR-3H002 (AUDITS) the stable TMR audit program

CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt RCOVRY AU TRm aaaaaa bbbbbb cccccc dddddd eeeeee ffffff

2. EXPLANATION OF MESSAGE

This message is generated by the Transient Call Audit Program when it finds a call in which the Transient Call Record (TCR) is improperly linked to the Terminal Memory Record (TMR). The situation cleared by zeroing the TCR. As a result of this action, several other audit failures are likely.

3. EXPLANATION OF VARIABLE FIELD

The variables of this message indicate which TCR->TMR linkage was invalid, and give the contents of most of the TCR.

m Indicates which part of the call was associated
 with the invalid linkage.
 m=1 Calling party digit collection
 2 Called party signalling
 3 Talk path connection

aaaaaa	Contents of word 0 of the TCR
bbbbbb	Contents of word 1 of the TCR
ccccc	Contents of word 5 of the TCR
dddddd	Contents of word 6 of the TCR
eeeeee	Contents of word 7 of the TCR
ffffff	Contents of word 8 of the TCR

4. ACTION TO BE TAKEN

This message is likely to be indicative of a program error. A Trouble Report should be filed in accordance with local procedures.

5. REFERENCES

SEE PROPRIETARY NOTICE ON COVER PAGE

RCOVRY AU TRm

RCOVRY AU TRm

PR-3H002 (AUDITS) the transient call audit program

CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C329

RCOVRY AU TRn

RCOVRY AU TRn

1. OUTPUT MESSAGE FORMAT

tt RCOVRY AU TRn ddd aaaaaa bbbbbb cccccc eeeee

2. EXPLANATION OF MESSAGE

This message is generated by the Transient Call Audit Program when it finds a call in which a transient Terminal Memory Record (TMR) is improperly linked to it's associated Transient Call Record (TCR). The TMR with the bad linkage is made Stable so that the Stable TMR Audit will dispose of it. This action will generate other audit failure printouts.

3. EXPLANATION OF VARIABLE FIELD

The variables of this message indicate which TMR contained the invalid TMR->TCR linkage, the nature of the error, and the contents of the TMR.

n	Code indicating the type of error discovered
n=4	TMR referenced invalid or idle TCR
5	TCR referenced by TMR didn't point back
ddd	Number of bad TMR
aaaaaa	Contents of 1ST word of TMR
bbbbbb	Contents of 2nd word of TMR
ccccc	Contents of 3rd word of TMR
eeeeee	Contents of 4th word of TMR

4. ACTION TO BE TAKEN

This message is likely to be indicative of a program error. A Trouble Report should be filed in accordance with local procedures.

5. REFERENCES

SEE PROPRIETARY NOTICE ON COVER PAGE

RCOVRY AU TRn

RCOVRY AU TRn

PR-3H002 (AUDITS) the transient call audit program

CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C331

1. OUTPUT MESSAGE FORMAT

tt RCOVRY AU TVn ddd

2. EXPLANATION OF MESSAGE

This message is generated by the Test Vertical Audit Program when it finds a Test Vertical or a Test Circuit or a Test Multiple falsely marked busy as well as when a Test Vertical is falsely marked reserved. The circuit has been restored to service.

3. EXPLANATION OF VARIABLE FIELD

The variables in the message indicate which Test Vertical (TV), Test Circuit (TC) or Test Multiple (TM) was incorrectly marked. In the case of the TC or TM, the number of the Transient Call Record (TCR) tied to the TC or TM is also printed.

n	Code describing the error and equipment
n=0	Test Multiple 0 falsely marked busy
1	Test Multiple 1 falsely marked busy
2	Test Multiple 2 falsely marked busy
3	Test Multiple 3 falsely marked busy
4	Test Circuit 0 falsely marked busy
5	Test Circuit 1 falsely marked busy
6	Test Circuit 2 falsely marked busy
7	Test Circuit 3 falsely marked busy
8	Test Vertical ddd falsely marked TM busy
9	Test Vertical ddd falsely marked TC busy
10	Test Vertical ddd Reserve bit falsely set
ddd	n=0-3 Number of TCR tied to Test Multiple, or 65535 if no TCR involved
	n=4-7 Number of TCR tied to Test Circuit, or 65535 if no TCR involved
	n=8,9 Number of Test Vertical falsely marked busy
	n=10 number of Test Vertical whose Reserved bit is falsely set

4. ACTION TO BE TAKEN

SEE PROPRIETARY NOTICE ON COVER PAGE

RCOVRY AU TVn

RCOVRY AU TVn

This message is likely to be indicative of a program error. A Trouble Report should be filed in accordance with local procedures.

5. REFERENCES

PR-3H001 (AUDB) the test vertical audit program
PR-3H178 (TVADM) the interrupt test vertical audit program

CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C333

1. OUTPUT MESSAGE FORMAT

tt RCOVRY AU TWn aaa bbbbbb cccccc dddddd eeeee

2. EXPLANATION OF MESSAGE

This message is generated by the transient three-way call audit PRogram when it encounters a call in which the transient call record (TCR) is improperly linked to one of the associated terminal memory records(TMR). The situation is cleared by zeroing the TCR. As a result of the action several other audit failures are likely.

3. EXPLANATION OF VARIABLE FIELD

The variables of this message indicate which TMR contained the invalid TMR-->TCR linkage, the nature of the error, and the contents of the TMR.

n = code indicating the type of error found.
5 = original talk path failure
6 = port 0 path failure
7 = port 1 path failure
8 = port 2 path failure

aaa = the number of the TMR

bbbbbb = contents of the 1st word of the TMR

ccccc = contents of the 2nd word of the TMR

dddddd = contents of the 3rd word of the TMR

eeeeee = contents of the 4th word of the TMR

4. ACTION TO BE TAKEN

This message is indicative of a program error. A trouble report

RCOVRY AU TWn

RCOVRY AU TWn

should be filed in accordance with local procedures.

5. REFERENCES

PR-3H098-02 (CAUDIT) custom calling audits program

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C335

1. OUTPUT MESSAGE FORMAT

** tt RCOVRY CU INIT ll ss ii

2. EXPLANATION OF MESSAGE

The CU has just been initialized due to an error. Some hardware and memory has been arbitrarily put in a known state and normal processing is being restarted at the beginning of the base level loop. The severity of the initialization in terms of the amount of hardware and memory cleared is a function of the level number: the higher the number, the more severe it is.

3. EXPLANATION OF VARIABLE FIELD

ll Level number

ss Contents of memory word SYSTATE (system state)

<u>Bit No.</u>	<u>Definition</u>
0	Off-line CU is standby ready
1	Off-line CU is out-of-service
2	Off-line CU is unavailable (locked or forced)
3	System is in initialization interval-- last initialization was less than 2 minutes ago
4	Off-line CU has been automatically removed due to a fault
5	Off-line CU has been removed by TTY request
6	System is updating the off-line CU memory
7	A program is using the off-line CU
8	Off-line CU panel is in MANUAL
9	0--CU0 is on-line 1--CU1 is on-line
10	Off-line main store is out-of-service
11	System status panel is out-of-service
12	Maintenance channel is out-of-service
13	A restore CU is in progress
14	An unconditional switch is in progress
15	Power key on off-line CC is operated

ii Initialization data

<u>Bit No.</u>	<u>Definition</u>
0	If 1, no switch occurred

RCOVRY CU INIT

RCOVRY CU INIT

- 1 Cause of initialization was a MCH message
- 2 1--Cause of initialization was first timeout
- 3 1--Cause of initialization was second timeout
- 4 CU was locked or forced on-line
- 5 If 1, initialization started by reloading memory from tape
- 6 The main store was out-of-date
- 7 No access exists to the other main store
- 8 0--CU0 is initializing
- 1--CU1 is initializing
- 9 If 1, the maintenance channel failed while the off-line registers were being retrieved for the postmortem dump.
- 14 System status panel memory reload request
- 15 System status panel initialization request

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-1C952 CINIT - Common Initialization

ALM=3 PRI=3 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

A tt RCOVRY IN HOPPER CLR nnnn aaaaaa bbbbbb

2. EXPLANATION OF MESSAGE

The Input Monitor programs found an error in processing an input hopper. The hopper entry has been cleared out for the reason indicated.

3. EXPLANATION OF VARIABLE FIELD

Nnnn error code: 0-9 are in TKPROC
 10-19 are in INPUT
 20-29 are in TREWAY

E R R O R S F R O M P R O G R A M T K P R O C

- 1 THE NOIGTST BIT WAS NOT SET, AND YET, AN ATTEMPT TO ACCESS THE STATUS BITS WAS NOT SUCCESSFUL (CHECK SPN, IT SHOULD BE DEFINED EITHER IN SCANNER 0 ROWS 6 THRU 31 OR IN ANY OTHER SCANNER ROWS 28 THRU 31)
- 2 AN OFF-HOOK FLASH REPORT IS NOT ALLOWED
- 3 THE TERMINAL MEMORY RECORD (TMR) POINTED TO BY A JUNCTOR CHANGE, OR THE TMR IN WHICH THE TRUNK SPN WAS FOUND IS NOT ACTIVE.
- 4 THE TMR ASSOCIATED WITH THE INPUT REPORT WAS TRANSIENT, HOWEVER, THE TCR THAT IT POINTED TO WAS NOT ACTIVE.
- 5 A JUNCTOR IN A STABLE TALK PATH IS REPORTING AN ONHOOK TO OFFHOOK CHANGE.
- 6 THE HOLDING HOPPER IS BEING JAMMED. USING ATSD AS A MAP, DUMP INPTHLD,60; TMRS,(128*NUMBER OF NETWORK FRAMES); AND TCRS,512. THEN GIVE THIS DATA TO PECC.

E R R O R S F R O M P R O G R A M I N P U T

- 11 TWO OFF HOOK REPORTS FOR THE SAME SCAN POINT.
- 12 ILLEGAL SCAN POINT DETERMINED BY SUBROUTINE CLASSA.

SEE PROPRIETARY NOTICE ON COVER PAGE

RCOVRY IN HOPPER

RCOVRY IN HOPPER

13 LINE SCAN POINT RECEIVED IN SUB. RESCAN WHEN NOT
EXPECTED.

E R R O R S F R O M P R O G R A M T R E W A Y

21 ILLEGAL CUSTOM CALLING INPUT

aaaaaa bbbbbb The actual hopper data that caused the error.

4. ACTION TO BE TAKEN

Insure that the error was expected or find error from error
code and report trouble.

5. REFERENCES

PR-3H160-02	INPUT - Input Monitor
PR-3H177-02	TKPROC - Trunk & Service Circuit Processing
PR-3H184-02	TREWAY - Three Way Calling

ALM=5 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C339

RCOVRY MAS ERR

RCOVRY MAS ERR

1. OUTPUT MESSAGE FORMAT

```
** tt RCOVRY MAS ERR cu aaaaaaa gooddata baddata bit
    MAS x MOD yy PACK vv DIP w.z cccc
```

2. EXPLANATION OF MESSAGE

The system main store audit has detected a main store (MAS) error (ERR). The exact location of the fault is identified along with the associated good and bad data. This message is used to replace and repair single bit memory failures. Multiple bit faults are identified by a '99' for the bit and PACK identifications. For multiple faults, an exact analysis of the bad circuit pack cannot be made and other means must be used to locate the fault. Correction is attempted for both single and multiple failures.

The occurrence of this TTY output message indicates a main store error and must not be ignored. All memory packs identified by this message should be removed from the system as soon as possible. Failure to replace faulty circuit packs on a timely basis may result in a serious outage. The bad memory pack must be tagged with the DIP identifier (w.z) and returned to the factory for repair.

Certain memory faults may produce many RCOVRY MAS ERR messages showing multiple DIP failures. For this case only, the DIP identities should be disregarded.

3. EXPLANATION OF VARIABLE FIELD

cu	= control unit associated with the failure
aaaaaaa	= address of the bad location
gooddata	= correct data for the failed location
baddata	= bad data as found by the audit
bit	= logical bit no. in error (equal to '99' if multiple bits are in error) (24 = parity low, 25 = parity high)
x	= MAS no. associated with failure
yy	= MODULE no. of MAS
vv	= PACK position as marked on MAS frame (equal to '99')

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RCOVRY MAS ERR

RCOVRY MAS ERR

if multiple bits are in error)
w.z = DIP identification no. (for repair at factory)

cccc = source of message
= (blank) if a memory failure was encountered and corrected using data from the other MAS.
= COMP if a memory failure was encountered and corrected by (simplex mode) COMPLEMENT-correction.
= DSR if the memory failure was detected on a Double Store Read using the double store read trap hardware.
= LIST if the message was reconstructed from data saved in an internal LIST from a previously reported failure.

4. ACTION TO BE TAKEN

Replace the memory pack identified by the message. Tag the bad pack with the corresponding DIP identification (w.z) and send in for repair. If a multiple bit failure is indicated, attempt to resolve the failure with CU diagnostics.

5. REFERENCES

MASACS Main Store Access Routines Program

ALM=3 PRI=3 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

```

tt RCOVRY PROG TBL DDDD
   TCR0 TCR1 TCR2 TCR3 TCR4 TCR5 TCR6 TCR7
   TCR8 TCR9 TCRA TCrb TCrc TCrd TCRe TCrf

```

2. EXPLANATION OF MESSAGE

A call processing or maintenance program received invalid data.
The invalid data is probably due to a software error.

3. EXPLANATION OF VARIABLE FIELD

TCR0 = Contents of word 0 of the transient call record
 TCR1 = Contents of word 1 of the transient call record
 TCR2 = Contents of word 2 of the transient call record
 TCR3 = Contents of word 3 of the transient call record
 TCR4 = Contents of word 4 of the transient call record
 TCR5 = Contents of word 5 of the transient call record
 TCR6 = Contents of word 6 of the transient call record
 TCR7 = Contents of word 7 of the transient call record
 TCR8 = Contents of word 8 of the transient call record
 TCR9 = Contents of word 9 of the transient call record
 TCRA = Contents of word 10 of the transient call record
 TCrb = Contents of word 11 of the transient call record
 TCrc = Contents of word 12 of the transient call record
 TCrd = Contents of word 13 of the transient call record
 TCRe = Contents of word 14 of the transient call record
 TCrf = Contents of word 15 of the transient call record
 DDDD = One of the following decimal error codes
 15

CPARTY of CW call failed the party test.

16

CW customer (BPARTY) failed in call to LINETEST.

17

A CW attempt is being made but the original connection cannot
be found in a TMR (check the BPARTY state).

18

Peripheral error other than FCG or continuity occurred during cwait1 PACT.

19

Peripheral error other than FCG or continuity occurred during CWAIT2 PACT.

20

Incorrect supervision was received from the new party of the call waiting connection (supervisory change is ignored).

21

Incorrect supervision was received from the old party of the call waiting connection (supervisory change is ignored).

22

Incorrect supervision was received from the CW party of the call waiting connection (supervisory change is ignored).

50

Blank digits in an active CF entry.

51

Could not find CF entry during CF deactivation (CLFRD failed).

52

Could not find CF entry during CF deactivation (CLFRD failed).

55

Bad terminal equipment number or line data translation

60

Convert, expand could not expand R4(entry parameter) data.

61

Could not retrieve line data.

62

ANTON, GET_SSPN could not translate APARTY(trk) TEN.

63

ANTON, IDLECKT encountered bad BPARTY SPN (TEN for tone or ann).

64

CK__CONT, while setting up for pact, DATCKT could not translate APARTY(trk) TEN to grp.

65

Start of message signal not received from announcement machine.

66

Reorder was entered with a non-zero audit code.

67

BSYATRK(in REORDER),GET__SSPN could not translate APARTY(trk) TEN.

68

BSYATRK(in REORDER), BUSYCKT encountered an error.

69

REORDER, DATCKT could not translate APARTY(trk) SPN to grp data.

70

PS_PD, GET__SSPN could not translate APARTY(trunk) TEN.

71

PS_PD, BUSYCKT could not busy the APARTY(trunk).

72

MYPM0, GET__SSPN could not translate APARTY(trunk) TEN.

73

DATCKT could not translate APARTY supervisory SPN into group data.

74

MYPM6, GET_SSPN could not translate APARTY(trunk) TEN.

75

Illegal internal progress mark

105

CWTMR supervision did not match TMRs.

106

CWTMR --- CW supervision was off-hook.

107

CWTMR --- talk supervision.

108

CWTMR --- Split supervision.

109

Bad supervision during CW flash timing.

110

Impossible supervisory report during split party flash timing period.

111

Improper supervisory report during talk party flash timing routine.

112

Peripheral error during CW toggle.

113

IGNOREM subroutine was given garbage in R0.

140

Invalid TMR address.

141

RCOVRY PROG TBL

Invalid TEN or SPN.

145

TEN or SPN translation failure.

146

TEN or SPN translation failure.

147

TEN or SPN translation failure.

148

TEN or SPN translation failure.

149

DISCON received bad supervision or call type.

150

TEN or SPN translation failure.

151

TEN or SPN translation failure.

152

TEN or SPN translation failure.

153

TEN or SPN translation failure.

175

SPN for a 3way customer not found in a TMR.

176

The charge index expansion subroutine could not translate the charge index.

177

SPN given TMRSCAN was not found in a TMR.

RCOVRY PROG TBL

185

Tip party originating translation resulted in error

186

Destination code from route index expansion exceeded the maximum possible or is invalid

225

Could not software idle the talk path after a peripheral error when disconnecting a lowtone to 911 bureau path

226

Supervision reported to emerg by the input monitor is not valid - either on-hook from a party that was on-hook or off-hook from a party that was already off-hook.

227

Could not get group and member number translation for 911 trunk SPN.

265

A bylink trunk originated however it already had a trunk dial pulse receiver entry indicating that digit collection is in progress

266

An operator trunk winked however it already had a trunk dial pulse receiver entry indicating that wink collection is in progress

315

Illegal entry code in Local Coin Overtime.

316

Illegal LCOT state code.

317

Illegal LCOT state after time break.

318

RCOVRY PROG TBL

RCOVRY PROG TBL

Illegal PACT COPORT error code.

319

Illegal PACT DSPORT error code.

320

Software peripheral error using a PACT.

395

Could not get trunk supervisory scan point number from the TEN via the subroutine GET_SSPN

396

TMR address is not valid - called line busy, no-test call

397

Could not get trunk TEN from SPN retrieved from the TMR

398

Could not close test vertical on no-test connection

402

SPN given TMRSCN was not found in a TMR

415

Fatal error, bogus audit code, disallowed tandem or translation failure

416

Winking operator trunk is untranslatable

417

An FCG Failure reported (NO FCG TEST MADE) setting the line to TSPS trunk after ringback.

445

Call forward activation failure.

446

One of the subroutines (GARI or RI_EXP) discovered an error. The most probable cause is an incorrect route index in 8(TCR) bits 7-0.

447

The RI_EXP subroutine was called for what was thought to be an outgoing route, and it was found to be intraoffice

448

A translation routine encountered an invalid scan point

449

INTHOP entry was erroneously zeroed, or TCR was mutilated destroying the SPN, or the STSVR progress mask was not given control for an abnormally long period of time (4 seconds)

450

An all busy check of the transmitter group failed.

451

A progress mark was invoked by the input monitor when such an occurrence was considered impossible. Could be due to a bad ignore bit or an incorrect TMR to TCR link.

452

A translation routine encountered an invalid scan point

453

The TRKSEL subroutine was given a bad group number.

454

An unexpected timeout invoked a progress mark.

485

An error was detected in the catalog data

486

TCR timed out while performing peripheral action

487

RCOVRY PROG TBL

RCOVRY PROG TBL

An error was detected in the TCR data

488

TCR caught performing more than one peripheral action

491

Network queue or timing hopper overflow

525

COINOPR subroutine could not translate a TEN

526

COINRLS subroutine could not translate a TEN

527

COINOPR subroutine failed distribute order

528

COINRLS subroutine failed distribute order

530

Coin line circuit failed

595

Ringin state code multilated

596

Supervisory report inconsistant

625

Failure to ignore trunk or junctor supervision. Data may be incorrect.

626

Failure to put junctor in bypass state.

627

Failure to ignore trunk supervision. Data may be incorrect.

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C350

635

Remote abandoned recording sequence

636

Subroutine DATCKT failed to return DTA from supervisory SPN

637

Fail call on playback mode timeout

645

Speed call error. Could not load speed call list into buffer.

665

Call involving special audit code was given to the transient disconnect routine.

666

Trunk TEN bad - could not get supervisory scan point number.

675

Base level progress mark = 0 or exceeds the current maximum

715

Translation error in call forwarding activation

716

Distribute order failure

717

Could not get translation - possible bad BPARTY SPN for subroutine TENDATA

718

Tip party test failure

719

Error in 4DIGIT translation

720

Error in 4DIGIT translation

721

PBX information bad, cannot get group data

722

Translation error in SC/CF activation

723

Group data address or group data bad - could not get status block address

724

Could not get translation for trunk SPN from its TEN

725

Translation failure(LNDATA)-possible bad APARTY TEN.

726

Translation failure(TEN_TERM)-possible bad APARTY TEN

755

The incoming digit translation code was either 0,6, or 7

756

The 1DIGIT translation failed. Either the 1DIGIT table does not exist or the table selector number 8(TCR) was out of range.

757

The MF receiver ASVC(TCR) could not be idled by IDLESVC. Probably due to a bad SPN

758

Either a bad SPN was given to a translation routine, or 1DIGIT failed.

759

A service circuit (probably a ringer) originated

765

Conference circuit group undefined or no status block

766

Trouble during PP1 path connection.

776

Trouble during PP2 path connect.

768

Trouble during PP0 path connect.

769

P1 or P2 disconnect is taking too long.

770

The conference port 0 has been mutilated.

1000

Attempt to fail a TCR with an invalid TCR address in registers 12 and 13. The contents of the hold get area dumped instead of the tcr.

4. ACTION TO BE TAKEN

File a trouble report according to local procedures.

5. REFERENCES

FIRST ERROR CODE	LAST ERROR CODE	PROGRAM
0	9	ALIT
10	14	AUDB
15	49	CALLW8
50	54	CL4WRD
55	59	COIN

SEE PROPRIETARY NOTICE ON COVER PAGE

RCOVRY PROG TBL

60	99	CUSTER
100	104	CUT
105	134	CW8STB
135	139	DCSUB1
140	144	DCSUB2
145	174	DISCON
175	184	DLYTIM
185	224	DNTRP
225	264	EMERG
265	304	FASTTK
305	314	INITA
315	344	LCLCHG
345	354	LTDH
355	394	MCSUB
395	401	NTCONN
402	404	NTSUBS
405	414	OFFTL
415	434	OPER
435	444	OTOTST
445	484	OUTCAL
485	524	POINT
525	564	POPS
565	594	PSUBS
595	604	RING
605	614	ROTLA
615	624	ROTLA
625	634	ROTLT
635	644	RROANN
645	654	SPDCAL
655	664	SRTH
665	674	TCRDSC
675	714	TCRSCN
715	754	TERM
755	764	TKORIG
770	789	TREWAY
790	799	TSVREQ
800	809	TSVSUB
1000	1023	FALTCR

RCOVRY PROG TBL

CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

c tt RCOVRY SYC cu type

2. EXPLANATION OF MESSAGE

An initialization of the system has occurred.

3. EXPLANATION OF VARIABLE FIELD

cu = Active processor (0 or 1)

type =

MIN

A minimum clear has occurred (level 1)

PART1

A partial clear has occurred (level 2)

PART2

A partial clear has occurred (level 3)

STABLE

A stable clear is performed (level 5)

TRANS

A transient clear has occurred (level 4)

4. ACTION TO BE TAKEN

Analyze the POSTMORTEM data to determine the cause of the initialization.

SEE PROPRIETARY NOTICE ON COVER PAGE

RCOVRY SYC

RCOVRY SYC

File a trouble report according to local procedures.
Follow normal escalation procedures.

5. REFERENCES

PR-3H006-2 INITA - APPLICATION INITIALIZATION

ALM=6 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C356

1. OUTPUT MESSAGE FORMAT

```

tt RCOVRY XSL TBL DDDD
   SPN TEN  CDI  RTI  CLS  GAM  CHI  SP0
   SP1 SP2  SP3  SP4  SP5  SP6  SP7  SP8
   TCR0 TCR1 TCR2 TCR3 TCR4 TCR5 TCR6 TCR7
   TCR8 TCR9 TCRA TCRA TCRC TCRC TCRe TCRe

```

2. EXPLANATION OF MESSAGE

A call processing or maintenance program received an error from a translationsubroutine. The error is probably due to incomplete or unspecified translation data.

3. EXPLANATION OF VARIABLE FIELD

SPN = Scan point number which led to the failure.
 TEN = Terminal equipment number which led to failure
 CDI = Code index which led to failure
 RTI = Route index which led to failure
 CLS = Screening class which led to failure
 GAM = Group and member number which led to failure
 CHI = Charge index which led to failure
 SP0 = Spare word available for use by individual programs
 SP1 = Spare word available for use by individual programs
 SP2 = Spare word available for use by individual programs
 SP3 = Spare word available for use by individual programs
 SP4 = Spare word available for use by individual programs
 SP5 = Spare word available for use by individual programs
 SP6 = Spare word available for use by individual programs
 SP7 = Spare word available for use by individual programs
 SP8 = Spare word available for use by individual programs
 TCR0 = Contents of word 0 of the transient call record
 TCR1 = Contents of word 1 of the transient call record
 TCR2 = Contents of word 2 of the transient call record
 TCR3 = Contents of word 3 of the transient call record
 TCR4 = Contents of word 4 of the transient call record
 TCR5 = Contents of word 5 of the transient call record
 TCR6 = Contents of word 6 of the transient call record
 TCR7 = Contents of word 7 of the transient call record
 TCR8 = Contents of word 8 of the transient call record
 TCR9 = Contents of word 9 of the transient call record
 TCRA = Contents of word 10 of the transient call record
 TCRA = Contents of word 11 of the transient call record

TCRc = Contents of word 12 of the transient call record
TCRd = Contents of word 13 of the transient call record
TCRe = Contents of word 14 of the transient call record
TCRf = Contents of word 15 of the transient call record
DDDD = One of the following decimal error codes
175

Message register charging: line does not have a message register but CHI indicates one (SP0 is the BPARTY).

176

Initial charging: unable to translate the charge index. SP0-SP3 contain the contents of the TMR.

177

Overtime charging: unable to translate the charge index. SP0-SP3 contain the contents of the TMR.

185

Bad code index or screening class given to code index translator.

186

Bad code index or screening class given to 7DIGIT.

187

Bad code index or screening class given to 10DIGIT.

188

Bad route index given to route index translator (RI_EXP).

189

Three digit translation (3DIGIT) failed. SP0 - SP3 contain dialed digits.

445

Bad group data prevents completion to SXS CAMA

4. ACTION TO BE TAKEN

Verify the data indicated in the first 16 words of the message and correct any problems found. If the problem persists, file a trouble report according to local procedures.

5. REFERENCES

FIRST ERROR CODE	LAST ERROR CODE	PROGRAM
0	9	ALIT
10	14	AUDB
15	49	CALLW8
50	54	CL4WRD
55	59	COIN
60	99	CUSTER
100	104	CUT
105	134	CW8STB
135	139	DCSUB1
140	144	DCSUB2
145	174	DISCON
175	184	DLYTIM
185	224	DNTRP
225	264	EMERG
265	304	FASTTK
305	314	INITA
315	344	LCLCHG
345	354	LTDH
355	394	MCSUB
395	401	NTCONN
402	404	NTSUBS
405	414	OFFTL
415	434	OPER
435	444	OTOTST
445	484	OUTCAL
485	524	POINT
525	564	POPS
565	594	PSUBS
595	604	RING
605	614	ROTLA
615	624	ROTLA
625	634	ROTLT
635	644	RROANN
645	654	SPDCAL
655	664	SRTH
665	674	TCRDSC
675	714	TCRSCN
715	754	TERM

RCOVRY XSL TBL

755	764	TKORIG
765	784	TREWAY
785	794	TSVREQ
795	804	TSVSUB
1000	1023	FALTCR

RCOVRY XSL TBL

CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C360

REPT ALM

REPT ALM

1. OUTPUT MESSAGE FORMAT

tt REPT ALM www TFR

2. EXPLANATION OF MESSAGE

This message is given in response to operating or releasing the
ALarM TransFeR key.

3. EXPLANATION OF VARIABLE FIELD

www = NOT when the key is released
= null, otherwise

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-3H251 MCSUB Maintenance Subroutines
PR-3H255 PWSC Power and Alarm Scanning Program

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C361

REPT ALMBATA

REPT ALMBATA

1. OUTPUT MESSAGE FORMAT

tt REPT ALMBATA row pt ab state

2. EXPLANATION OF MESSAGE

Used to REPort a state change of the ALarm BATtery Alarm.

The appropriate alarm will be given. If the state is OFN the alarm circuit lamp on the system status panel will be turned on. if NORM, the lamp will be turned off.

3. EXPLANATION OF VARIABLE FIELD

row pt - Specifies the scan point number of the miscellaneous scan point in the master scanner that changed state. Refer to office records.

ab - Invalid for this message.

state - Indicates the new state of the specified scan point is normal (NORM) or off normal (OFN).

4. ACTION TO BE TAKEN

Repair the alarm battery alarm.

5. REFERENCES

PR-3H255 - PWSC: POWER AND ALARM SCAN
BSP-233-142-100 - TOP: NO. 3 ESS OFFICE EQUIPMENT
BSP-233-143-100 - TOP: NO. 3 ESS TROUBLE ANALYSIS

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT ALNK

REPT ALNK

1. OUTPUT MESSAGE FORMAT

* tt REPT ALNK a bcd TRBL e

2. EXPLANATION OF MESSAGE

Used to REPort TRouBLE with a network A-LiNK (1st stage link). One of the error handling routines below attempted to remove the suspected faulty A-link from service but was unable to do so. The out-of-service limit may have been reached for A-links in this concentrator or for A-links on the same input switch.

3. EXPLANATION OF VARIABLE FIELD

a is the CONCENTRATOR GROUP (1-15) of the link

b is the CONCENTRATOR (0-1) of the link

c is the OUTPUT SWITCH NUMBER (0-7) of the link

d is the OUTPUT SWITCH LEVEL (0-7) of the link

e ERROR HANDLING ROUTINE

EA CONT

The Error Analysis routine suspected the A-LINK of being faulty because it was involved in several CONTINUITY FAILURES.

EA RC

The Error Analysis routine suspected the A-LINK of being faulty because it was involved in several RINGING CONTINUITY FAILURES.

EA FCG

The Error Analysis routine suspected the A-LINK of being faulty because it was involved in several FALSE CROSS AND GROUND FAILURES.

EA NWC

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT ALNK

REPT ALNK

The Error Analysis routine suspected the A-LINK of being faulty because it was involved in several NETWORK CONTROLLER ERRORS.

QC e1 e2 e3

The Quick-Check routine suspected the A-LINK of being faulty because it was involved in 3 consecutive errors identified by e1, e2, and e3.

4. ACTION TO BE TAKEN

If the A-LINK is faulty, remove it from service by TTY input request and repair the faulty A-LINKs.

5. REFERENCES

PR-3H256 TSVEA
Trunk, Line, Service Circuit and Network Line
Error Analysis

ALM=2 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT AMA BACK

REPT AMA BACK

1. OUTPUT MESSAGE FORMAT

tt REPT AMA BACK UP LINK OOS

2. EXPLANATION OF MESSAGE

The AMA back-up link has been automatically removed from service. There has been no polling of the back-up link for 10 seconds or the primary link has been restored to service. If polling does not resume within 30 seconds on either the primary or the back-up, then the following message will be printed.

*C REPT AMA MULT LINKS OOS

3. ACTION TO BE TAKEN

Verify with the AMARC why the link went down. It may be due to a requested switch by the AMARC. If it was a failure of the link or a high failure rate over the link, then follow local procedures for its repair.

4. REFERENCES

PR-3H262-02 DATADM - DATA ADMINISTRATION PROGRAM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C365

REPT AMA MULT

REPT AMA MULT

1. OUTPUT MESSAGE FORMAT

C tt REPT AMA MULT LINKS OOS

2. EXPLANATION OF MESSAGE

Both AMA data links are now out-of-service and no AMA data is being transmitted to the AMARC. Data will be saved until the AMA buffer is filled or 9 minutes has expired. After this time some data will be deleted.

3. ACTION TO BE TAKEN

Verify with the AMARC why the links are down. It may be due to a failure at the AMARC or failures of both links. Follow local procedures for the repair of the links.

4. REFERENCES

PR-3H262-02 DATADM - DATA ADMINISTRATION PROGRAM

ALM=6 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT AMA PRIMARY

REPT AMA PRIMARY

1. OUTPUT MESSAGE FORMAT

** tt REPT AMA PRIMARY LINK OOS

2. EXPLANATION OF MESSAGE

The AMA primary link has been removed from service automatically. There has been no polling on the link by the AMARC for 10 seconds. If polling does not resume within 30 seconds on either the primary or the back-up, then the following message will be printed.

*C REPT AMA MULT LINKS OOS

3. ACTION TO BE TAKEN

Verify with the AMARC why the link went down. It may be due to a requested switch by the AMARC. If it was a failure of the link or a high failure rate over the link, then follow local procedures for its repair.

4. REFERENCES

PR-3H262-02 DATADM - DATA ADMINISTRATION PROGRAM

ALM=3 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C367

REPT AMABUF

REPT AMABUF

1. OUTPUT MESSAGE FORMAT

** tt REPT AMABUF xxx

2. EXPLANATION OF MESSAGE

The AMA buffer management routine (ABM) has discovered a disastrous condition.

3. EXPLANATION OF VARIABLE FIELD

xxx is a code defined as follows:

OVF implies AMA buffer overflow.

OUS implies AMA buffer out-of-synchronization.

BDT implies AMA buffer routine was given bad data.

4. ACTION TO BE TAKEN

For OVF, it must be the case when the data link is down, and the back-up can not be brought into service. Look into the problem.

For OUS, it must be a memory glitch which causes the synchronization problem. The buffer has since recovered, no further action is required.

For BDT, report this to the PECC immediately. One of the AMA routines has a problem.

5. REFERENCES

PR-3H186-02 ABM - AMA BUFFER MANAGEMENT PROGRAM

ALM=3 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT ANNC TRBL

REPT ANNC TRBL

1. OUTPUT MESSAGE FORMAT

tt REPT ANNC TRBL gg ssssss d

2. EXPLANATION OF MESSAGE

The local coin overtime announcement machine failed.

3. EXPLANATION OF VARIABLE FIELD

The gg and ssssss variables define the announcement group and announcement group scan point number, respectively. If 'd' equals zero, it was unable to detect the beginning of the announcement. If 'd' equals one, then it was able to detect the beginning, but not the end of the announcement.

4. ACTION TO BE TAKEN

Check the local coin overtime announcement machine for a malfunction or the announcement group scan point for a malfunction or misassignment.

5. REFERENCES

PR-3H161-02 LCLCHG - Local Charge Program

CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C369

REPT BB

REPT BB

1. OUTPUT MESSAGE FORMAT

tt REPT BB www

2. EXPLANATION OF MESSAGE

This message REPorTs the state of the Battery Boost converters on the equipped network frames.

3. EXPLANATION OF VARIABLE FIELD

www = NORM if the battery boost scan point is normal
= OFN otherwise

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-3H312 MNRSUB Maintenance Nonresident Subroutines

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT BLDG

REPT BLDG

1. OUTPUT MESSAGE FORMAT

tt REPT BLDG row pt ab state

2. EXPLANATION OF MESSAGE

Used to REPort a state change of a building alarm.

The appropriate alarm will be given. If the state is off normal, the BLDG lamp on the system status panel will be turned on. When all the building alarms are normal, the BLDG lamp will be turned off.

3. EXPLANATION OF VARIABLE FIELD

row pt - Specifies the scan point number of the miscellaneous scan point in the master scanner that changed state. Refer to office records.

ab - Invalid for this message.

state - Indicates the new state of the specified scan point is normal (NORM) or off normal (OFN).

4. ACTION TO BE TAKEN

Consult office records to determine the specific building alarm being reported and take corrective action in accordance with local procedures.

5. REFERENCES

PR-3H255 - PWSC: POWER AND ALARM SCAN
BSP-233-142-100 - TOP: NO. 3 ESS OFFICE EQUIPMENT
BSP-233-143-100 - TOP: NO. 3 ESS TROUBLE ANALYSYS

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT BLNK

REPT BLNK

1. OUTPUT MESSAGE FORMAT

* tt REPT BLNK a b TRBL c

2. EXPLANATION OF MESSAGE

Used to REPort TRouBLE with a network wire B-LiNK (2nd stage link). One of the error handling routines below attempted to remove the suspected faulty B-link from service but was unable to do so. The out-of-service limit may have been reached for B-links in this concentrator group.

3. EXPLANATION OF VARIABLE FIELD

a is the CONCENTRATOR GROUP (1-15) of the link

b is the JUNCTOR SWITCH NUMBER (0-31) of the link

c ERROR HANDLING ROUTINE

EA CONT

The Error Analysis routine suspected the B-LINK of being faulty because it was involved in several CONTINUITY FAILURES.

EA RC

The Error Analysis routine suspected the B-LINK of being faulty because it was involved in several RINGING CONTINUITY FAILURES.

EA FCG

The Error Analysis routine suspected the B-LINK of being faulty because it was involved in several FALSE CROSS AND GROUND FAILURES.

EA NWC

The Error Analysis routine suspected the B-LINK of being faulty because it was involved in several NETWORK CONTROLLER ERRORS.

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT BLNK

REPT BLNK

4. ACTION TO BE TAKEN

If the B-LINK is faulty, remove it from service by TTY input request and repair the faulty B-LINKs.

5. REFERENCES

PR-3H256 TSVEA
Trunk, Line, Service Circuit and Network Line
Error Analysis

ALM=2 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C373

REPT CCT AA

REPT CCT AA

1. OUTPUT MESSAGE FORMAT

tt REPT CCT AA aaa bbbb JC cc dd

2. EXPLANATION OF MESSAGE

This message is generated in response to an input message to do an immediate call trace. It is a successful trace message.

3. EXPLANATION OF VARIABLE FIELD

The variables describe the other side of the call.

AA

TN normal line

aaa office code

bbbb directory number

TRK trunk

aaa group number

bbbb member number

OE terminal equipment number

aaa concentrator group

bbbb concentrator, switch group
switch, level

JC junctor number

cc network frame number

dd junctor slot

4. ACTION TO BE TAKEN

Follow local procedures.

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT CCT AA

REPT CCT AA

5. REFERENCES

PR-3H079-02 CTRACN Call Trace Program

CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C375

REPT CCT ERR

REPT CCT ERR

1. OUTPUT MESSAGE FORMAT

tt REPT CCT ERR OE aa bbbb

2. EXPLANATION OF MESSAGE

This message is generated in response to an input message to do an immediate call trace if the trace fails because of a translation error. The variables describe the OE that failed a translation subroutine which was trying to obtain the Line Data or Supervisory Scan Point Number.

3. EXPLANATION OF VARIABLE FIELD

aa concentrator group
bbbb conentrator, switch group, swith, level

4. ACTION TO BE TAKEN

The OE which was input should be checked for correctness. Translation data for the OE which was input should be checked. Possible areas would be the Line Translation or the Supervisory Scan Point Number associated with the OE inputted.

5. REFERENCES

PR-3H079-02 CTRACN Call Trace Program

CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C376

REPT CCT FAIL

REPT CCT FAIL

1. OUTPUT MESSAGE FORMAT

tt REPT CCT FAIL

2. EXPLANATION OF MESSAGE

This message is generated in response to an input message to do an immediate call trace if the trace fails because a Terminal Memory Record is not found for the call.

3. EXPLANATION OF VARIABLE FIELD

4. ACTION TO BE TAKEN

Check the call trace input message information for correctness. If possible, verify the call is in-progress.

5. REFERENCES

PR-3H079-02 CTRACN Call Trace Program

CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT CGA

REPT CGA

1. OUTPUT MESSAGE FORMAT

tt REPT CGA row pt ab state

2. EXPLANATION OF MESSAGE

Used to REPorT a state change of a Carrier Group Alarm.

3. EXPLANATION OF VARIABLE FIELD

row pt - Specifies the scan point number of the miscellaneous scan point in the master scanner that changed state. Refer to office records.

ab - Invalid for this message.

state - Indicates the new state of the specified scan point is normal (NORM) or off normal (OFN).

4. ACTION TO BE TAKEN

Repair the carrier equipment.

5. REFERENCES

PR-3H255 - PWSC: POWER AND ALARM SCAN
BSP-233-142-100 - TOP: NO. 3 ESS OFFICE EQUIPMENT
BSP-233-143-100 - TOP: NO. 3 ESS TROUBLE ANALYSYS

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt REPT CKT TRBL a b c d e f

2. EXPLANATION OF MESSAGE

Used to REPort a peripheral Circuit TRouBLE. One of the peripheral failures defined below occurred and the information concerning this failure (contained in the error analysis input buffer) is dumped.

3. EXPLANATION OF VARIABLE FIELD

a is the PERIPHERAL FAILURE TYPE

- CONT - CONTInuity failure
- RC - Ringing Continuity failure
- FCG - False Cross and Ground failure
- NWC - NetWork Controller error
- LLR - Low Leakage Resistance failure
- LCO - Line CutOff failure
- TTR - Touch-Tone Receiver error
- MFR - MF Receiver error
- FTO - False Trunk Origination error
- PST - Permanent Signal Timeout
- PDT - Partial Dial Timeout
- MFT - MF Transmitter error
- NSD - No Start Dial error
- EDP - Excessive Dial Pulse error
- ANIS - ANI Start failure
- CLC - Coin Line Circuit failure
- NCC - No-Coin Control failure
- SCC - StuCk-Coin control failure
- RVF - Restore VeriFy failure
- LCRV - Line Circuit Restore Verify failure
- PX - Power Cross failure

b c d are the contents of the ERROR ANALYSIS INPUT BUFFER
(see program TSVEA (PR-3H256) for complete description)

e f are the Terminal Equipment Numbers (TEN) in octal
for a circuit's scan point specified in words
"c" and "d" respectively.

REPT CKT TRBL

REPT CKT TRBL

The formats of the Office Equipment Numbers (OEN)
and Terminal Equipment Numbers (TEN) are shown
below:

	12	11	10	9	8	7	6	5	4	3	2	1	0
TEN			CG			SW		C		SWT		LVL	
OEN			CG			C		SW		SWT		LVL	

LVL = Level (0-7)
SWT = Switch (0-7)
SW = Switch Group (0-2)
C = Concentrator (0,1)
CG = Concentrator Group (1-15)

The OEN can be obtained from the TEN by changing the
concentrator and switch group around.

4. ACTION TO BE TAKEN

None. To stop this message from being printed use the STOP:CKT
TRBL input message. It may be reactivated by the REPT:CKT TRBL
input message.

5. REFERENCES

PR-3H256 TSVEA
Trunk, Line, Service Circuit and Network Line
Error Analysis

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT CKT TRBL

REPT CKT TRBL

1. OUTPUT MESSAGE FORMAT

tt REPT CKT TRBL AMA a b c

2. EXPLANATION OF MESSAGE

Used to report a trouble with the AMA data link. This message indicates that a poll from the AMARC has been ignored by the No. 3 ESS. The primary reason for the poll being ignored is that the command was not recognized or that a complete command was not received.

This message may be turned off by the message STOP:CKT TRBL. This message would normally be turned off. The message to turn it on is REPT:CKT TRBL.

3. EXPLANATION OF VARIABLE FIELD

a - first word of the controller administration block
(see layout of CAB in DATADM)

<u>BITS</u>	<u>-</u>	<u>DESCRIPTION</u>
0-2		progress mark
3		base level flag
4-10		character count
11		not used
12-15		resume state

b - word 9 of CAB

<u>BITS</u>	<u>-</u>	<u>DESCRIPTION</u>
0-7		second word of command if the character count is 2 or greater
8-15		first word of command if the character count is 1 or greater

c - not used

4. ACTION TO BE TAKEN

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT CKT TRBL

REPT CKT TRBL

These failures could be due to a noisy data link, the AMARC sending orders for a different type of office, or a software timing problem between the No. 3 ESS and the AMARC. Follow the local procedures for all hardware or translation type problems. If the problem appears to be software timing, please refer it to PECC.

5. REFERENCES

PR-3H262-02 DATADM - DATA ADMINISTRATION PROGRAM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C382

REPT CKT TRBL

REPT CKT TRBL

1. OUTPUT MESSAGE FORMAT

* tt REPT CKT TRBL TRANSMITTER TIME-OUT a b
TCR0 TCR1 TCR2 TCR3 TCR4 TCR5 TCR6 TCR7
TCR8 TCR9 TCRA TCRA TCRC TCRC TCRC TCRC TCRC TCRC

2. EXPLANATION OF MESSAGE

Used to report that outpulsing did not complete normally, that the acknowledgement wink was not received from the far end office within the required time interval (16 seconds), or that Automatic Number Identification (ANI) was not outpulsed within six seconds of its request.

3. EXPLANATION OF VARIABLE FIELD

a - the TEN of the calling party in octal (Aparty)
b - the TEN of the called party in octal (Bparty)

TCR0 - TCRf are the contents, in hexadecimal, of the TCR involved in the call when the transmitter timeout occurs.

The digits dialed can usually be found in TCRC - TCRf and read directly from the hex dump, with the exception that the digit "0" will appear as an "A".

The REPT CKT TRBL TRANSMITTER TIME-OUT message, in addition to appearing alone, may be accompanied by one of the following output messages: REPT CKT TRBL ANIS or REPT CKT TRBL NSD. For ANIS failures the digits of the calling party are in TCRC - TCRf. If MF outpulsing is used, the MF transmitter scan point will be in TCR6.

For NSD or other failures the called party digits are in TCRC - TCRf. The transmitter scan point is given in TCR6 for MF outpulsing trunks only. If the "Stop-Go" bit is set on an EAS DP outpulsing trunk to a Step-by-Step office, the next digit to be outpulsed at the time the interruption occurred (and its position in the input stream) is given in TCR3. The first character in this word will be the position of the digit dialed, and the third character will be the actual digit.

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT CKT TRBL

REPT CKT TRBL

Here is an example showing how to interpret the TCR for a trunk group with DP outpulsing and the "Stop-Go" bit set. Assume that the message received is as follows:

```
* 25 REPT CKT TRBL TRANSMITTER TIME-OUT 022331 103340
      8000 1829 0000 4690 6084 24D9 203C 86E0
      OCA4 0100 043F 2917 44A9 6860 0000 0007
```

The actual number dialed is shown in TCRc and TCRd as 440-9686. (Remember that "A" should be read as "0".)

Check TCR3 to find the next digit to be outpulsed when the transmitter timeout occurred. The first character in TCR3 is "4" and the third character is "9". This means that, at the time of the transmitter timeout, a nine was the next digit to be outpulsed, and it was the fourth digit in the number dialed.

4. ACTION TO BE TAKEN

Analyze the associated trunk and its hardware. Replace any faulty equipment that is found.

To stop this message from being printed use the input message STOP:CKT TRBL. It may be reactivated by the REPT:CKT TRBL message.

5. REFERENCES

PR-3H165 OUTCAL - OUTGOING CALL HANDLING PROGRAM

ALM=2 CHL=MTC

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C384

REPT CKT TRBL

REPT CKT TRBL

1. OUTPUT MESSAGE FORMAT

tt REPT CKT TRBL ROTL a b c

2. EXPLANATION OF MESSAGE

Used to report a trouble with the ROTL data link. This message indicates that a message from the MINIROTL has been ignored by the No. 3 ESS. The primary reason for the message being ignored is that the command was not recognized or that a complete command was not received.

This message may be turned off by the message STOP:CKT TRBL. This message would normally be turned off. The message to turn it on is REPT:CKT TRBL.

3. EXPLANATION OF VARIABLE FIELD

a - first word of the controller administration block
(see layout of CAB in DATADM)

<u>BITS</u>	<u>-</u>	<u>DESCRIPTION</u>
0-2		progress mark
3		base level flag
4-10		character count
11		not used
12-15		resume state

b - word 9 of CAB

<u>BITS</u>	<u>-</u>	<u>DESCRIPTION</u>
0-7		second word of command if the character count is 2 or greater
8-15		first word of command if the character count is 1 or greater

c - not used

4. ACTION TO BE TAKEN

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT CKT TRBL

REPT CKT TRBL

These failures could be due to a noisy data link, or a software timing problem between the No. 3 ESS and the MINIROTL. Follow the local procedures for all hardware or translation type problems. If the problem appears to be software timing, please refer it to PECC.

5. REFERENCES

PR-3H262-02 DATADM - DATA ADMINISTRATION PROGRAM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C386

REPT CKT TRBL

REPT CKT TRBL

1. OUTPUT MESSAGE FORMAT

tt REPT CKT TRBL COMPL

2. EXPLANATION OF MESSAGE

Used to REPorT each peripheral CircuiT TRouBLE. This message will cause the contents of the error analysis input buffer to be dumped by a TTY output message on the occurrence of every peripheral failure. It cancels the action performed by the STOP:CKT TRBL input message and is performed by the scheduler.

3. EXPLANATION OF VARIABLE FIELD

none

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-3H203 MMONA
Maintenance monitor application program

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C387

REPT CO BAT

REPT CO BAT

1. OUTPUT MESSAGE FORMAT

** tt REPT CO BAT DISCHG

2. EXPLANATION OF MESSAGE

Used to REPorT that the Central Office BATtries are DISCHarGing. This message will be repeated at 15 minute intervals until the discharge condition is rectified.

3. ACTION TO BE TAKEN

This message signifies that the central office -48 voltage level has dropped. This condition requires IMMEDIATE ATTENTION and CORRECTIVE ACTION in accordance with local procedures.

4. REFERENCES

PR-3H255 - PWSC: POWER AND ALARM SCAN
BSP-233-142-100 - TOP: NO. 3 ESS OFFICE EQUIPMENT
BSP-233-143-100 - TOP: NO. 3 ESS TROUBLE ANALYSIS
BSP-233-144-100 - TOP: NO. 3 ESS POWER EQUIPMENT

ALM=3 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C388

REPT CO BAT

REPT CO BAT

1. OUTPUT MESSAGE FORMAT

tt REPT CO BAT DISCHG STOP

2. EXPLANATION OF MESSAGE

Used to REPort that the Central Office BATtery DISCHarGe
conditon has been rectified.

3. ACTION TO BE TAKEN

None

4. REFERENCES

PR-3H255 - PWSC: POWER AND ALARM SCAN

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C389

REPT CO OPEN

REPT CO OPEN

1. OUTPUT MESSAGE FORMAT

A tt REPT CO OPEN aa cgsi

2. EXPLANATION OF MESSAGE

The line origination program found an error in the scan point number during a translation. As a result the corresponding line terminal equipment number has had its cut-off contacts opened.

3. EXPLANATION OF VARIABLE FIELD

TEN of the terminal whose cut-offs were opened.

aa - Concentrator Group number (0-15)
c - Concentrator (0-1)
g - Switch Group (0-3)
s - Switch (0-7)
i - Input Level (0-7)

4. ACTION TO BE TAKEN

Insure that the error was expected or find the cause of the error. If all is OK, the line may be restored. Otherwise report the trouble.

5. REFERENCES

PR-3H162-02 LNORIG - Line Origination

ALM=5 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT CUOPWR

REPT CUOPWR

1. OUTPUT MESSAGE FORMAT

** tt REPT CUOPWR aa bb 000000 cccc

2. EXPLANATION OF MESSAGE

Either a major or minor power alarm has occurred or cleared, or the power switch has been set or reset.

3. EXPLANATION OF VARIABLE FIELD

alarm	aa	bb	cccc	
**	22	9	OFN	CU major power alarm
	22	9	NORM	CU major power alarm has cleared
*	22	10	OFN	CU minor power alarm
	22	10	NORM	CU minor power alarm has cleared
	22	11	OFN	CU power key set to "off"
	22	11	NORM	CU power key reset to "on"

4. ACTION TO BE TAKEN

For a major or minor power alarm, determine cause and clear problem. If the power key is set to "off", be aware that putting the CU into "MANUAL" mode will REMOVE power from the CU.

5. REFERENCES

PR-3H255 - PWSC: POWER AND ALARM SCAN
BSP-254-300-140 - 3A PROCESSOR POWER SYSTEM DESCRIPTION

ALM=3 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C391

REPT CU1PWR

REPT CU1PWR

1. OUTPUT MESSAGE FORMAT

** tt REPT CU1PWR aa bb 000000 cccc

2. EXPLANATION OF MESSAGE

Either a major or minor power alarm has occurred or cleared, or the power switch has been set or reset.

3. EXPLANATION OF VARIABLE FIELD

alarm	aa	bb	cccc	
**	24	3	OFN	CU major power alarm
	24	3	NORM	CU major power alarm has cleared
*	24	4	OFN	CU minor power alarm
	24	4	NORM	CU minor power alarm has cleared
	24	5	OFN	CU power key set to "off"
	24	5	NORM	CU power key reset to "on"

4. ACTION TO BE TAKEN

For a major or minor power alarm, determine cause and clear problem. If the power key is set to "off", be aware that putting the CU into "MANUAL" mode will REMOVE power from the CU.

5. REFERENCES

PR-3H255 - PWSC: POWER AND ALARM SCAN
BSP-254-300-140 - 3A PROCESSOR POWER SYSTEM DESCRIPTION

ALM=3 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT DSP

REPT DSP

1. OUTPUT MESSAGE FORMAT

* tt REPT DSP

2. EXPLANATION OF MESSAGE

Traffic congestion has caused the system to invoke Dynamic Service Protection. If DSP was inhibited via the input message INH:DSP the ALW:DSP input message will also cause the message to be printed if the traffic congestion exists.

3. ACTION TO BE TAKEN

DSP can be cancelled by a TTY message. Local procedures should be followed.

4. REFERENCES

PR-3H004 - BLMMA: APPLICATION BASE LEVEL MONITOR
PR-3H160 - INPUT: INPUT MONITOR

ALM=2 CHL=MTC,MTR,TRF

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT DSP CLR

REPT DSP CLR

1. OUTPUT MESSAGE FORMAT

tt REPT DSP CLR

2. EXPLANATION OF MESSAGE

Dynamic service protection is no longer in effect. The traffic congestion which invoked DSP no longer exists.

3. ACTION TO BE TAKEN

none

4. REFERENCES

PR-3H004 - BLMMA: APPLICATION BASE LEVEL MONITOR
PR-3H160 - INPUT: INPUT MONITOR

ALM=0 CHL=MTC,MTR,TRF

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT DTB

REPT DTB

1. OUTPUT MESSAGE FORMAT

tt REPT DTB aa bcde

2. EXPLANATION OF MESSAGE

This message is generated every 30 seconds when the Dial Tone Blockage registers are full. The message specifies Dial Tone Blockage.

3. EXPLANATION OF VARIABLE FIELD

Office Equipment Number of the blocked terminal:

- aa - Concentrator Group Number (0-15)
- b - Concentrator (0-1)
- c - Input Switch Group (0-2)
- d - Input Switch (0-7)
- e - Input Switch Input Level (0-7)

4. ACTION TO BE TAKEN

Follow local procedures concerning dial tone blockage. There may be high usage on the network or on a network frame.

5. REFERENCES

PR-3H008-02 TRAFIC - Traffic and Plant Measurements

ALM=0 CHL=MTC,MTR,TRF

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C395

REPT DTDA

REPT DTDA

1. OUTPUT MESSAGE FORMAT

C tt REPT DTDA row pt sps state

2. EXPLANATION OF MESSAGE

Used to REPort a state change of the Dial Tone Delay Alarm circuit.

3. EXPLANATION OF VARIABLE FIELD

row pt - Specifies the scan point number of the miscellaneous scan point in the master scanner that changed state.

sps - Current state of the Dial Tone Delay Alarm circuit's three scan points.

state - Indicates the new state of the specified scan point is:

NORM - normal

OFN - off normal

INH - DTDA circuit is inhibited

alarm	row pt	sps	state
*C	27 13	000005	OFN - An excessive dial tone delay has occurred.
	27 13	000004	NORM - Dial Tone Delay Alarm circuit reset.
	27 14	000006	INH - DTDA circuit is inhibited.
	27 14	000004	NORM - DTDA circuit inhibit cleared.
	27 15	000000	OFN - DTDA circuit manually powered off.
	27 15	000004	NORM - DTDA circuit power restored.

4. ACTION TO BE TAKEN

IMMEDIATE CORRECTIVE ACTION MUST BE TAKEN IF THE ALARM IS:

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT DTDA

REPT DTDA

*C tt REPT DTDA 27 13 000005 OFN

First, verify that the dial tone delay alarm is NOT FALSE. Some possible ways to receive a FALSE dial tone delay alarm is if the system is in OVER LOAD or the CUTOFF cross point has failed on the DTDA circuit's office equipment (OE).

If the alarm is REAL, recovery action is to be taken.

5. REFERENCES

PR-3H255 - PWSC: POWER AND ALARM SCAN
BSP-233-100-010 - EMERGENCY ACTION PROCEDURES DESCRIPTION
BSP-233-142-100 - TOP: NO. 3 ESS OFFICE EQUIPMENT
BSP-233-143-100 - TOP: NO. 3 ESS TROUBLE ANALYSIS
BSP-233-153-130 - INITIALIZATION AND PROCESSOR FAULT RECOVERY
BSP-233-153-105 - PROGRAMED MAINTENANCE AIDS
BSP-233-153-106 - NETWORK FABRIC EXERCISE FUNCTION

ALM=6 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C397

REPT ERR

REPT ERR

1. OUTPUT MESSAGE FORMAT

tt REPT ERR raddr r2 r3 r4 r5 r6 r7
r8 r9 r10 r11 r12 r13 r14 r15

2. EXPLANATION OF MESSAGE

REPorT a program ERRor condition. A program has entered a branch of code that should never be entered.

3. EXPLANATION OF VARIABLE FIELD

raddr a program error has been found at this address
r2 - r15 the contents of the general registers R2 thru R15
at the above address

4. ACTION TO BE TAKEN

If this message occurs frequently with the same program location, find the location in the corresponding program listing, and look through the comments in the vicinity for a possible solution to the problem. This message can occur frequently due to translation problems.

5. REFERENCES

PR-3H252-02 MTTYC - RESIDENT TTY MESSAGE PROGRAM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C398

REPT ERR CLID

REPT ERR CLID

1. OUTPUT MESSAGE FORMAT

tt REPT ERR CLID BB

2. EXPLANATION OF MESSAGE

These messages are generated if there is an error in trying to enter or delete an entry from the Calling Line Identification Table (CLID Table).

3. EXPLANATION OF VARIABLE FIELD

BB

IE attempting to put an entry which
is already in the CLID table
TF attempting to put an entry
into a full CLID table
ENF attempting to delete an entry
not in the table

4. ACTION TO BE TAKEN

CLID TF an entry must be deleted before one
can be inserted.

5. REFERENCES

PR-3H079-02 CTRACN Call Trace Program

CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C399

REPT ERR CLK

REPT ERR CLK

1. OUTPUT MESSAGE FORMAT

tt REPT ERR CLK dd1 dd2 dd3 dd4 dd5 dd6 dd7

2. EXPLANATION OF MESSAGE

Report error in the clock update words. Two temporary store words (SYSTM and COUNT) are used to update the software clock. The difference between them was greater than 40 counts or the equivalent of one second. This is an error. The two words have been synchronized.

3. EXPLANATION OF VARIABLE FIELD

dd1	Content of store word SYSTM.
dd2	Content of store word COUNT.
dd3-dd7	Does not apply to this error.

4. ACTION TO BE TAKEN

Even though the two words have been synchronized the clock is still likely to be wrong. Look at the clock using the OP:CLK input message and adjust it if necessary with the SET:CLK input message.

5. REFERENCES

PR-1C950 CBLM - Common Base Level Monitor

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C400

REPT ERR HG

REPT ERR HG

1. OUTPUT MESSAGE FORMAT

tt REPT ERR HG dd1 dd2 dd3 dd4 dd5 dd6 dd7

2. EXPLANATION OF MESSAGE

Report error in the hold-get register. The HG register in the CC will normally contain a fixed value if no subroutine is currently executing. It has been found to contain some other value and has been re-initialized. The correct value may be obtained by consulting the application temporary store definition program.

3. EXPLANATION OF VARIABLE FIELD

dd1 . Contents of HG register when error was discovered.
dd2-dd7 Does not apply to this error.

4. ACTION TO BE TAKEN

Find the program bug that caused the HG to go out of sync.

5. REFERENCES

PR-1C950 CBLM - Common Base Level Monitor

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C401

REPT ERR IM

REPT ERR IM

1. OUTPUT MESSAGE FORMAT

tt REPT ERR IM dd1 dd2 dd3 dd4 dd5 dd6 dd7

2. EXPLANATION OF MESSAGE

Report error in the interrupt mask register. The IM register contents did not agree with the contents of temporary store word IM_IMAGE, that is, the record of permanently blocked interrupts did not agree with the actual blocked interrupts. Both the IM register and the IM_IMAGE word have been initialized so that only those interrupts blocked in both are now blocked.

3. EXPLANATION OF VARIABLE FIELD

dd1	Contents of IM register when error was discovered.
dd2	Contents of IM_IMAGE word when error was discovered.
dd3-dd7	Does not apply to this error.

4. ACTION TO BE TAKEN

Find the program bug that caused the IM register and the IM_IMAGE word to get out of synchronism.

5. REFERENCES

PR-1C950 CBLM - Common Base Level Monitor

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C402

REPT ERR KEY

REPT ERR KEY

1. OUTPUT MESSAGE FORMAT

tt REPT ERR KEY dd1 dd2 dd3 dd4 dd5 dd6 dd7

2. EXPLANATION OF MESSAGE

Report error in the operation of a key on the panel of either CC. In particular, the test mode reversal switch or the power key has been operated on one of the CC panels or the manual key has been operated on the on-line CC panel.

3. EXPLANATION OF VARIABLE FIELD

dd1-dd7 Does not apply to this error.

4. ACTION TO BE TAKEN

Determine why the key was operated.

5. REFERENCES

PR-1C950 CBLM - Common Base Level Monitor

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C403

REPT ERR MCH

REPT ERR MCH

1. OUTPUT MESSAGE FORMAT

tt REPT ERR MCH dd1 dd2 dd3 dd4 dd5 dd6 dd7

2. EXPLANATION OF MESSAGE

Report error in the operation of the maintenance channel (MCH) between the CCs. A transmission has produced an error or no response was received.

3. EXPLANATION OF VARIABLE FIELD

dd1-dd7 Does not apply to this error.

4. ACTION TO BE TAKEN

Request CU diagnostics to determine if the maintenance channel is faulty. See input message DGN:CU.

5. REFERENCES

PR-1C950 CBLM - Common Base Level Monitor

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT ERR MS

REPT ERR MS

1. OUTPUT MESSAGE FORMAT

tt REPT ERR MS dd1 dd2 dd3 dd4 dd5 dd6 dd7

2. EXPLANATION OF MESSAGE

Report error in the maintenance state register. The MS register in the CC has been found to contain a nonzero value and has been initialized to zero.

3. EXPLANATION OF VARIABLE FIELD

dd1 Contents of MS register when error was discovered.
dd2-dd7 Does not apply to this error.

4. ACTION TO BE TAKEN

Find the program bug that left the MS in an abnormal state.

5. REFERENCES

PR-1C950 CBLM - Common Base Level Monitor

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C405

REPT ERR OFL

REPT ERR OFL

1. OUTPUT MESSAGE FORMAT

tt REPT ERR OFL dd1 dd2 dd3 dd4 dd5 dd6 dd7

2. EXPLANATION OF MESSAGE

Report error in the status of the other CU's SS register CC bit. The other CU was found active by the on-line and disabled.

3. EXPLANATION OF VARIABLE FIELD

dd1	Bits 19-16 of the SS register when error discovered.
dd2	Bits 15-0 of the SS register when error discovered.
dd3-dd7	Does not apply to this error.

4. ACTION TO BE TAKEN

Run the CU diagnostics on the off line CU. This should find the fault. Perform action required by the CU trouble messages. If no faults are found no action should be taken at this time.

5. REFERENCES

PR-1C950 CBLM - Common Base Level Monitor

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT ERR SS

REPT ERR SS

1. OUTPUT MESSAGE FORMAT

tt REPT ERR SS dd1 dd2 dd3 dd4 dd5 dd6 dd7

2. EXPLANATION OF MESSAGE

Report error in the system status register. The SS register in the CC contains some bits which must be in a given state to maintain sanity. One or more of those bits have been found in the incorrect state.

The following bits should be zero: DSABL,BIN,HLT,ISC2,BHC.

3. EXPLANATION OF VARIABLE FIELD

dd1 Bits 19-16 of SS register when error was discovered.
dd2 Bits 15-0 of SS register when error was discovered.
dd3-dd7 Does not apply to this error.

4. ACTION TO BE TAKEN

Find the program bug that caused the SS bits to be in the wrong state.

5. REFERENCES

PR-1C950 CBLM - Common Base Level Monitor

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C407

REPT ERR SSP

REPT ERR SSP

1. OUTPUT MESSAGE FORMAT

tt REPT ERR SSP dd1 dd2 dd3 dd4 dd5 dd6 dd7

2. EXPLANATION OF MESSAGE

Report error in the system status panel (SSP). An I/O transmission to the panel has failed.

3. EXPLANATION OF VARIABLE FIELD

dd1-dd7 Does not apply to this error.

4. ACTION TO BE TAKEN

Request CU diagnostics in order to diagnose the system status panel. See input message DGN:CU.

5. REFERENCES

PR-1C950 CBLM - Common Base Level Monitor

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT ERR TRL

REPT ERR TRL

1. OUTPUT MESSAGE FORMAT

tt REPT ERR TRL BB

2. EXPLANATION OF MESSAGE

These messages are generated if a translation error occurs while trying to do an immediate call trace on a call in progress.

3. EXPLANATION OF VARIABLE FIELD

BB

OC translation error on an office code
DN translation error on an directory number
PBX translation error on a line in a PBX

4. ACTION TO BE TAKEN

Check the office translation data which corresponds to the individual message.

5. REFERENCES

PR-3H079-02 CTRACN Call Trace Program

CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C409

REPT ERR UTIL

REPT ERR UTIL

1. OUTPUT MESSAGE FORMAT

tt REPT ERR UTIL dd1 dd2 dd3 dd4 dd5 dd6 dd7

2. EXPLANATION OF MESSAGE

REPORT Error in the UTILITY interrupt. One of the following conditions occurred: (1) Neither matcher circuit was enabled but a SET:MATCH input message had been entered. (2) A match occurred via a SET:MATCH input message before a utility function had been entered. (3) An excessive number of utility interrupts have occurred within a single base level loop.

The utility function has been cancelled.

3. EXPLANATION OF VARIABLE FIELD

dd1-dd7 do not apply to this message

4. ACTION TO BE TAKEN

(1) Determine the reason that the matchers were disabled and retry. (2) If the match occurred immediately upon entering the SET:MATCH message, enter the desired utility function first, followed by the SET:MATCH message. (3) Refrain from requesting utility functions that will cause many interrupts within a single base level loop.

5. REFERENCES

PR-1C962 CUTIL Common Utilities

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C410

REPT GRP

REPT GRP

1. OUTPUT MESSAGE FORMAT

tt REPT GRP gg www

2. EXPLANATION OF MESSAGE

A circuit group has all members out of service or has no working members or has not been defined.

3. EXPLANATION OF VARIABLE FIELD

gg is the circuit group number
www will be OOS for out of service, NWM for no working members or UDG for undefined group

4. ACTION TO BE TAKEN

Verify that this circuit group is not critical to call processing. For example, if all mf transmitters are out of service, call processing capability is severely limited.

5. REFERENCES

PR-3H165-02 OUTCAL - OUTGOING CALL PROGRAM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C411

REPT I-O ERR

REPT I-O ERR

1. OUTPUT MESSAGE FORMAT

** tt REPT I-O ERR aa bb cc dd

2. EXPLANATION OF MESSAGE

Report occurrence of an I/O parity error. A hardware check has fired which caused an interrupt. General register R11 has been zeroed to inform the program using the I/O channel.

3. EXPLANATION OF VARIABLE FIELD

aa	The address after the point where the error occurred
bb	The contents of R9
cc	The contents of R10
dd	The return address of the I/O subroutine

4. ACTION TO BE TAKEN

The problem can be examined using the address and general registers given. The contents of R11 was stored in IOPARSAV in CTSD. R11 is zeroed to inform the program using the I/O channel. If the address in the "aa" field is in an I/O subroutine, the call program return address is in the last field of the message.

5. REFERENCES

PR-1C952 CINIT - Common Initialization

ALM=3 PRI=3 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT ICT FROM

REPT ICT FROM

1. OUTPUT MESSAGE FORMAT

tt REPT ICT FROM AA aaa bbbb TO BB aaa bbbb JC cc dd

2. EXPLANATION OF MESSAGE

This message is generated by the incoming call trace subroutine when there is a call to a line whose TRACE bit in line translation is set. This is a successful call trace message. The trace bit and its alarm level are set by the RC:LINE, RC:MPTY, RC:MTL, or RC:TWOPTY recent change input message.

NO-ALARM :	Report Call Trace Success to the ANNOYANCE CALL BUREAU
MINOR ALARM :	Report Call Trace Success to the SECURITY CENTER
MAJOR ALARM :	Report Call Trace Success to the SECURITY CENTER

3. EXPLANATION OF VARIABLE FIELD

The variables in this message identify the calling, the called parties and their associated junctor number.

Calling Party

AA

TRK	trunk	aaa	group number
		bbbb	member number

OE	terminal equipment number
	aaa concentrator group
	bbbb concentrator, switch group, switch, level

TN	normal line	_____
	aaa	office code
	bbbb	directory number

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

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REPT ICT FROM

REPT ICT FROM

MP pbx aaa office code
 bbbb directory number

Called Party

BB OE or TN, with aaa bbbb as above

Junctor Number

cc network frame number
dd junctor slot

4. ACTION TO BE TAKEN

THIS MESSAGE IS INDICATIVE THAT AN INCOMING OR INTRA-OFFICE
CALL HAS BEEN TRACED TO THE LOCAL STATION UNDER OBSERVATION.

5. REFERENCES

PR-3H005-02 CTRACR Call Trace Program

CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C414

REPT IML

REPT IML

1. OUTPUT MESSAGE FORMAT

tt REPT IML aa bcde ff ghij

2. EXPLANATION OF MESSAGE

This message is generated every 30 seconds when the Dial Tone Blockage registers are full. The message specifies Incoming Matching Loss.

3. EXPLANATION OF VARIABLE FIELD

Office Equipment Numbers on both sides
of the blocked path:

aa, ff - Concentrator Group Number (0-15)
b, g - Concentrator (0-1)
c, h - Input Switch Group (0-2)
d, i - Input Switch (0-7)
e, j - Input Switch Input Level (0-7)

4. ACTION TO BE TAKEN

Follow local procedures concerning incoming matching loss.
There may be high usage on the network or on a network frame.

5. REFERENCES

PR-3H008-02 TRAFIC - Traffic and Plant Measurements

ALM=0 CHL=MTC,MTR,TRF

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C415

REPT INIT TRBL

REPT INIT TRBL

1. OUTPUT MESSAGE FORMAT

C tt REPT INIT TRBL a b c d

2. EXPLANATION OF MESSAGE

Used to REPort TRouBLE during an INITialization of the system. A switch of the system control has occurred (if the system was not forced) in an attempt to recover the system. A good side has not been found and this message is reporting the state of the on-line peripheral controllers or in the attempt to restore the spare translation words to zero data, the SPARES MTI(Master Table Index) was found to be incorrect.

3. EXPLANATION OF VARIABLE FIELD

a = 0 or 1

a is the ON-LINE System Control.

b is the PERIPHERAL CONTROLLERS not enabled

The state is contained in a binary field represented by this octal code. Ones in the field indicate which controllers are not enabled.

BIT POSITION -- CONTROLLER (NOT ENABLED)

1	SCANNER CONTROLLER 0
2	NETWORK CONTROLLER 0
4	PERIPHERAL PULSE DISTRIBUTOR 0
5	SCANNER CONTROLLER 1
6	NETWORK CONTROLLER 1
7	PERIPHERAL PULSE DISTRIBUTOR 1

a b c = SPARES MTI ERR

The number of spare words and or the address of the spare words was found to be incorrect.

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT INIT TRBL

REPT INIT TRBL

a b c d = SPARES MTI UNWPST ERR

In the attempt to restore the spare words to zero data, the system was not able to remove write protect over the spare words.

4. ACTION TO BE TAKEN

For peripheral controller trouble indications take IMMEDIATE ACTION to repair the faulty controller(s).

For SPARES MTI errors, correct the SPARES MTI. Refer to the SPARES MTI specification in PA-3H303.

5. REFERENCES

PR-3H006 INITA - APPLICATION PORTION OF THE INITIALIZATION PROGRAM
PA-3H303 - OFFICE DATA TABLES LAYOUT SPECIFICATION

ALM=6 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C417

REPT JC

REPT JC

1. OUTPUT MESSAGE FORMAT

* tt REPT JC a b TRBL c

2. EXPLANATION OF MESSAGE

Used to REPort TRouBLE with a network Junctor Circuit B-link (2nd stage link). One of the error handling routines below attempted to remove the suspected faulty junctor from service but was unable to do so. The out-of-service limit may have been reached for junctors in this concentrator group.

3. EXPLANATION OF VARIABLE FIELD

a is the CONCENTRATOR GROUP (1-15) of the link

b is the JUNCTOR SWITCH NUMBER (0-31) of the link

c ERROR HANDLING ROUTINE

EA CONT

The Error Analysis routine suspected the JUNCTOR of being faulty because it was involved in several CONTINUITY FAILURES.

EA RC

The Error Analysis routine suspected the JUNCTOR of being faulty because it was involved in several RINGING CONTINUITY FAILURES.

EA FCG

The Error Analysis routine suspected the JUNCTOR of being faulty because it was involved in several FALSE CROSS AND GROUND FAILURES.

EA NWC

The Error Analysis routine suspected the JUNCTOR of being faulty because it was involved in several NETWORK CONTROLLER ERRORS.

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT JC

REPT JC

QC e1 e2 e3

The Quick-Check routine suspected the JUNCTOR of being faulty because it was involved in 3 consecutive errors identified by e1, e2, and e3.

4. ACTION TO BE TAKEN

If the JUNCTOR is faulty, remove it from service by TTY input request and repair the faulty JUNCTORS.

5. REFERENCES

PR-3H256 TSVEA
Trunk, Line, Service Circuit and Network Line
Error Analysis

ALM=2 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C419

REPT LINE

REPT LINE

1. OUTPUT MESSAGE FORMAT

* tt REPT LINE a bcde TN f g TRBL h

2. EXPLANATION OF MESSAGE

Used to REPort TRouBLE with a LINE. Suspected faulty lines are not automatically removed from service.

3. EXPLANATION OF VARIABLE FIELD

a bcde is the TERMINAL EQUIPMENT NUMBER of the line
a - concentrator group (1-15)
b - concentrator (0-1)
c - switch group (0-2)
d - switch (0-7)
e - level (0-7)

f g is the TELEPHONE NUMBER of the line
(preceded by a + for a multi-party line)

h TROUBLE REASON

PX

The line experienced a POWER CROSS failure. The line was removed from service for less than 30 seconds and then passed a retry of the power cross test.

RVF

The line experienced a Restore Verify Failure. The customer may no longer have originating service.

LCRV

The line experienced a Line Circuit Restore Verify failure. the customer may no longer have originating service.

STUCK COIN

The line experienced a STUCK-COIN control error. A coin may be stuck in the coin telephone.

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT LINE

REPT LINE

EA CONT

The Error Analysis routine suspected the LINE of being faulty because it was involved in several CONTINUITY FAILURES.

EA RC

The Error Analysis routine suspected the LINE of being faulty because it was involved in several RINGING CONTINUITY FAILURES.

EA NWC

The Error Analysis routine suspected the LINE of being faulty because it was involved in several NETWORK CONTROLLER ERRORS.

EA LLR

The Error Analysis routine suspected the LINE of being faulty because it was involved in several LOW LEAKAGE RESISTANCE FAILURES.

EA LCO

The Error Analysis routine suspected the LINE of being faulty because it was involved in several LINE CUT-OFF FAILURES.

EA TTR

The Error Analysis routine suspected the LINE of being faulty because it was involved in several TOUCH-TONE RECEIVER ERRORS.

EA CLC

The Error Analysis routine suspected the LINE of being faulty because it was involved in several COIN LINE CIRCUIT FAILURES.

EA NCC

The Error Analysis routine suspected the LINE of being faulty because it was involved in several NO-COIN CONTROL FAILURES.

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C421

REPT LINE

REPT LINE

4. ACTION TO BE TAKEN

If the LINE is faulty, remove it from service by TTY input request and repair the faulty LINES.

5. REFERENCES

PR-3H256 TSVEA
Trunk, Line, Service Circuit and Network Line
Error Analysis

ALM=2 CHL=MTC,MTR,RSB

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C422

1. OUTPUT MESSAGE FORMAT

tt REPT MAS COMP cu aaaaaaa gooddata

2. EXPLANATION OF MESSAGE

A main store word which is in complement-corrected form was encountered by the system main store audit. If this message occurs apart from an AU:MAS request, the location identified was recently corrected by simplex operation of the on-line processor. All complement-corrected locations present in the system can be found by typing AU:MAS!

3. EXPLANATION OF VARIABLE FIELD

cu = CU no. of the complement-corrected location
aaaaaaa = address of the complement-corrected word
gooddata = logical data

4. ACTION TO BE TAKEN

Switch the indicated CU off-line (if not done automatically) and type AU:MAS! in an attempt to force a RCOVRY MAS ERR message.

5. REFERENCES

MASACS Main Store Access Routines Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

** tt REPT MAS MISMATCH cu aaaaaaa online offline

2. EXPLANATION OF MESSAGE

The main store audit has detected a logical MISMATCH in the data found in corresponding on-line and off-line main store locations. This message does not change the contents of either memory location; however, double store read is disabled. The stores will remain in the mismatched condition until the next system update is executed (e.g. via TTY input message UPD:OMAS). All mismatches in the system can be found by typing AU:MAS!

This error condition is most likely due to a program bug or procedural error but may be the result of certain types of memory pack failures as well (i.e. double bit faults on the same pack).

3. EXPLANATION OF VARIABLE FIELD

cu = CU no. of the current on-line MAS
aaaaaaa = address of the mismatch
online = logical on-line data
offline = logical off-line data

4. ACTION TO BE TAKEN

Determine the reason for the mismatch and take corrective action as required. If the data fields are the exact complements of each other with the exception of two bits numerically 8 bit positions apart (or 4 bits apart for the high bits of extended main stores), the reason is most likely a bad memory pack. Run CU diagnostics on both sides for resolution. If a generic or translation modification was in progress, recheck all procedure steps for a procedural error. The invalid data may be eliminated by switching to the good side and requesting an update of the other MAS.

REPT MAS MISMATCH

REPT MAS MISMATCH

5. REFERENCES

MASACS Main Store Access Routines Program

ALM=3 PRI=2 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C425

1. OUTPUT MESSAGE FORMAT

** tt REPT MAS TRBL cu aaaaaaa baddata

2. EXPLANATION OF MESSAGE

A main store word was encountered by the system main store audit (or an update routine) which contains (uncorrectable) bad parity. Automatic correction was not possible either because the store hardware contained multiple bit failures or good data was not available from the off-line MAS. The latter is always the case when the message is received in the course of a (on-line to off-line) store update. On an update, bad locations identified by this message are not written to the off-line MAS.

This message indicates a serious condition which is potentially service affecting. This condition must be corrected as soon as possible. All trouble locations present in the system can be outputted by typing AU:MAS!

In some cases, the bad location will self-correct after a period of time on alternate passes of the MAS audit. If this happens, the REPT MAS TRBL message will convert to a REPT MAS COMP message. If not outputted automatically, this occurrence can be checked by typing AU:MAS!

3. EXPLANATION OF VARIABLE FIELD

cu = CU no. of bad data
aaaaaaa = address of bad data
baddata = Uncorrected bad data (may appear in complemented
 form on successive printouts)

4. ACTION TO BE TAKEN

If possible, determine the bad bit(s) by comparing the bad data given in the message to paper records and/or the other MAS.

REPT MAS TRBL

REPT MAS TRBL

Reload with valid data from the other MAS (via an update after a CU switch). If the data in the other MAS is unavailable, first reload the other MAS from the tape cartridge using tape utility messages.

5. REFERENCES

MASACS Main Store Access Routines Program

ALM=3 PRI=2 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C427

REPT MISCA

REPT MISCA

1. OUTPUT MESSAGE FORMAT

tt REPT MISCA row pt ab state

2. EXPLANATION OF MESSAGE

Used to REPorT a state change in the MISCellaneous fixed Alarms.

3. EXPLANATION OF VARIABLE FIELD

row pt - Specifies the scan point number of the miscellaneous scan point in the master scanner that changed state. Refer to office records.

ab - Invalid for this message.

state - Indicates the new state of the specified scan point is normal (NORM) or off normal (OFN).

4. ACTION TO BE TAKEN

Consult office records to determine the alarm being reported and correct the problem.

5. REFERENCES

PR-3H255 - PWSC: POWER AND ALARM SCAN
BSP-233-142-100 - TOP: NO. 3 ESS OFFICE EQUIPMENT
BSP-233-143-100 - TOP: NO. 3 ESS TROUBLE ANALYSYS

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT MISCT

REPT MISCT

1. OUTPUT MESSAGE FORMAT

tt REPT MISCT row pt ab state

2. EXPLANATION OF MESSAGE

Used to REPort a state change of an assignable MISCellaneous Telco alarm.

3. EXPLANATION OF VARIABLE FIELD

row pt - Specifies the scan point number of the miscellaneous scan point in the master scanner that changed state. Refer to office records.

ab - Invalid for this message.

state - Indicates the new state of the specified scan point is normal (NORM) or off normal (OFN).

4. ACTION TO BE TAKEN

Consult office records to determine the alarm being reported and take corrective action in accordance with local procedures.

5. REFERENCES

PR-3H255 - PWSC: POWER AND ALARM SCAN
BSP-233-142-100 - TOP: NO. 3 ESS OFFICE EQUIPMENT
BSP-233-143-100 - TOP: NO. 3 ESS TROUBLE ANALYSYS

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT MON TRBL

REPT MON TRBL

1. OUTPUT MESSAGE FORMAT

M tt REPT MON TRBL NOT START wrd1

2. EXPLANATION OF MESSAGE

Used to indicate an error or exceeded condition for the Trunk and Service Circuit Maintenance Aids PROGRAM (tsvmon) REPORT INPUT MESSAGE.

3. EXPLANATION OF VARIABLE FIELD

wrd1 is the error condition:
ERR - There is an error in the peripheral failure type.

LIST FULL - The maximum number of report requests has been reached.

4. ACTION TO BE TAKEN

If the error condition is an ERROR? check the peripheral failure type's spelling and re-enter.

If the error condition is LIST FULL? enter a STOP REPORT request to terminate any reporting in progress and enter any reporting desired.

5. REFERENCES

PR-3H318 TSVMON
Trunk and Service Circuit Maintenance Aids Program

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT MULT PC

REPT MULT PC

1. OUTPUT MESSAGE FORMAT

C tt REPT MULT PC TRBL

2. EXPLANATION OF MESSAGE

This message is printed whenever MULTiple Peripheral Controller (SC, NWC and PPD) TRouBLes occur. Multiple Troubles are when a peripheral controller on each SYC is marked as out of service.

Whenever this message is printed, a CRITICAL alarm is given. Approximately ninety seconds later an initialization will be performed. If the LOCK key or the SELECT key is depressed, the initialization will not be performed.

3. ACTION TO BE TAKEN

IMMEDIATE ACTION IS NECESSARY TO REPAIR THE FAULTY CONTROLLERS.

4. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=6 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C431

REPT MULT RT

REPT MULT RT

1. OUTPUT MESSAGE FORMAT

C tt REPT MULT RT TRBL

2. EXPLANATION OF MESSAGE

This message is printed whenever MULTiple Ringing and Tone plant TRouBles occur. Multiple RT troubles are when RT 0 and RT 1 have been marked out of service.

Whenever this message is printed a CRITICAL alarm is given.

3. ACTION TO BE TAKEN

IMMEDIATE ACTION IS NECESSARY TO REPAIR THE FAULTY RINGING
AND TONE PLANTS

4. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=6 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT NGC

REPT NGC

1. OUTPUT MESSAGE FORMAT

A tt REPT NGC cs INH

2. EXPLANATION OF MESSAGE

This message REPortTs that Network controller (NWC) Group Checks to the pulser have been inhibited via a

INH:NGC cs!

input message.

3. EXPLANATION OF VARIABLE FIELD

c - the Peripheral Control Frame (PCF) on which the NWC is located.

s - the System Control (SYC) on which the NWC is located.

4. ACTION TO BE TAKEN

Correct the grid failure. If the failure is corrected cause a SYC switch to activate NWC group checks.

5. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

PK-3H301-03 Network Troubleshooting Manual

ALM=5 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C433

REPT NGC ACT

REPT NGC ACT

1. OUTPUT MESSAGE FORMAT

tt REPT NGC ACT

2. EXPLANATION OF MESSAGE

This message REPorTs that the Network Controller Group Checks are ACTIVE after they were inhibited via the INH:NGC cs input message.

3. EXPLANATION OF VARIABLE FIELD

c - the Peripheral Control Frame (PCF) on which the NWC is located.

s - the System Control (SYC) on which the NWC is located.

4. ACTION TO BE TAKEN

Inhibit group checks again by typing
INH:NGC cs!
if the grid has not been repaired.

5. REFERENCES

PR-3H254-03 PURC - PHERIPHERAL CONTROLLER FAULT RECOVERY

PK-3H301-03 Network Troubleshooting Manual

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT NW

REPT NW

1. OUTPUT MESSAGE FORMAT

** tt REPT NW ff TRBL

2. EXPLANATION OF MESSAGE

Used to REPorT a NetWork fabric trouble.

3. EXPLANATION OF VARIABLE FIELD

ff - this octal value represents a binary field which indicates where the failure occurred. Ones in the field indicate the failure locations.

BIT POSITION - FAILURE LOCATION

0 - Junctor switch failure
1 - Concentrator group 1 failure
2 - Concentrator group 2 failure
.
.
.
14 - Concentrator group 14 failure
15 - Concentrator group 15 failure.

4. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY
PK-3H301-03 NETWORK TROUBLESHOOTING MANUAL

ALM=3 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C435

1. OUTPUT MESSAGE FORMAT

A tt REPT NW ANAL
cs 1ST cg conc isg isw
cs 2ND cg conc osg osw
cs 3RD 3sg lo/hi 3sw

2. EXPLANATION OF MESSAGE

This message reports the results of the network pattern analysis. The data printed indicates the location(s) of isolated faults.

A "-" character in any of the data fields indicates that no isolation was made for that element.

3. EXPLANATION OF VARIABLE FIELD

cs - c control complex
 s SYC

cg - Concentrator Group
 1 - 7 if c=0
 8 - 15 if c=1

isg - Input Switch Group (0-2)

conc - Concentrator (0-1)

isw - Input Switch (0-7)

osg - Output Switch Group (0-1)

osw - Output Switch (0-3)

3sg - 3RD Stage Switch Group (0-3)

lo/hi - 3RD Stage Grid (L or H)

3sw - 3RD Stage Switch (0-7)

REPT NW ANAL

REPT NW ANAL

4. ACTION TO BE TAKEN

see PK-3H301

5. REFERENCES

PR-3H219 - NWCEA - Network Pattern Analysis

PK-3H301 - Network Trouble-Shooting Manual

BSP-233-153-145 - Remreed Network Fault Isolation Utilities

ALM=5 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C437

1. OUTPUT MESSAGE FORMAT

tt REPT NWC cs TRBL wd1 wd2 wd3

2. EXPLANATION OF MESSAGE

Used to REPort a NetWork Controller (NWC) TRouBLE. Normally this message will be followed by another message which describes the system actions taken because of the failure indicated by this message.

NOTE ! THIS MESSAGE IS ONLY PRINTED FOR 1st OR 2nd WORD ORDER FAILURE.

3. EXPLANATION OF VARIABLE FIELD

c - the Peripheral Control Frame on which the NWC is located,

s - the System Control on which the NWC is located,

wd1 - the first of three orders sent to the NWC,

wd2 - the second of three orders sent to the NWC,

wd3 - the reply from the order sent to the NWC that failed.

4. ACTION TO BE TAKEN

Refer to the other messages printed to determine further actions.

5. REFERENCES

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT NWC

REPT NWC

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C439

1. OUTPUT MESSAGE FORMAT

A tt REPT NWC cs TRBL order cg c sg s il os ol co nt reply

2. EXPLANATION OF MESSAGE

Used to report a NetWork Controller (NWC) TRouBLE. Normally this message will be followed by another message which describes the system action taken because of the failure indicated by this message.

NOTE ! This message is used for word 3 stage 1 or 2 NWC failure ONLY.

3. EXPLANATION OF VARIABLE FIELD

cs - control frame and side

where: cs

00 - control frame 0 side 0

01 - control frame 0 side 1

10 - control frame 1 side 0

11 - control frame 1 side 1

order - network order type

where: order

A - A-link

HD - High and Dry

RLS2 - Release 2

FCG - False Cross and Ground

cg - concentrator group (1 thru 15).

c - concentrator (0 or 1).

sg - switch group (0,1,or 2).

s - switch (0 thru 7).

il - input level

os - output switch (2nd stage).

ol - output level

co - cutoff cross point

O = open

C = closed

nt - no test cross point

O = open

C = closed

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT NWC

REPT NWC

reply - reply to the order sent (in octal).

4. ACTION TO BE TAKEN

Refer to the other messages printed to determine further actions. Also refer to the NETWORK TROUBLE SHOOTING MANUAL.

5. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY
PK-3H301-01 NETWORK TROUBLE SHOOTING MANUAL

ALM=5 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C441

1. OUTPUT MESSAGE FORMAT

A tt REPT NWC cs TRBL order s3sg s3s jsn j1 wl reply

2. EXPLANATION OF MESSAGE

Used to REPort a NetWork Controller (NWC) TRouBLE. Normally this message will be followed by another message which describes the system actions taken because of the failure indicated by this message.

NOTE ! This message is used for word 3 NWC failures ONLY.

3. EXPLANATION OF VARIABLE FIELD

cs - control frame and side

where: cs

00 - control frame 0 side 0

01 - control frame 0 side 1

10 - control frame 1 side 0

11 - control frame 1 side 1

order - network order type

where: order

CIII - close 3rd stage

OIII - open 3rd stage

s3sg - 3rd stage switch group

s3s - 3rd stage switch

jsn - junctor switch number

j1 - junctor switch level

wl - stage 3 wire level

reply - reply to order sent.

4. ACTION TO BE TAKEN

Repair the trouble.

Refer to the other messages printed to determine further action. Also refer to the NETWORK TROUBLE SHOOTING MANUAL.

5. REFERENCES

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT NWC

REPT NWC

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY
PK-3H301-01 NETWORK TROUBLE SHOOTING MANUAL

ALM=5 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C443

REPT OA

REPT OA

1. OUTPUT MESSAGE FORMAT

tt REPT OA row pt ab state

2. EXPLANATION OF MESSAGE

Used to REPort a state change of the Overload Announcement relay.

The Overload announcement relay is controlled by input messages ACT:OA and STOP:OA.

3. EXPLANATION OF VARIABLE FIELD

row pt - Specifies the scan point number of the miscellaneous scan point in the master scanner that has changed.

ab - Invalid for this message.

state - Indicates the new state of the specified scan point:

ON - The Overload Announcement has been activated.
OFF - The Overload Announcement has been deactivated.

4. REFERENCES

PR-3H255 - PWSC: POWER AND ALARM SCAN
BSP-233-142-100 - TOP: NO. 3 ESS OFFICE EQUIPMENT
BSP-233-143-100 - TOP: NO. 3 ESS TROUBLE ANALYSYS

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT OCT FROM

REPT OCT FROM

1. OUTPUT MESSAGE FORMAT

tt REPT OCT FROM AA aaa bbbb TO ccc ddd eeee JC ff gg

2. EXPLANATION OF MESSAGE

This message is generated by the outgoing call trace subroutine when the digits dialed or received match an entry in the Calling Line Identification (CLID) Table. This is a successful call trace message. The trace and its alarm level are setup by the TRC:ENTER message.

NO-ALARM :	Report Call Trace Success to the ANNOYANCE CALL BUREAU
MINOR ALARM :	Report Call Trace Success to the SECURITY CENTER
MAJOR ALARM :	Report Call Trace Success to the SECURITY CENTER

3. EXPLANATION OF VARIABLE FIELD

The variables in this message identify the calling, the called parties and their associated junctor number.

Calling Party

AA

TRK	trunk	aaa	group number
		bbbb	member number

MP	pbx	aaa	office code
		bbbb	directory number

OE	terminal	equipment number	
		aaa	concentrator group
		bbbb	concentrator, switch group, switch, level

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT OCT FROM

REPT OCT FROM

TN normal line
 aaa office code
 bbbb directory number

Called Party

ccc area code
ddd office code
eeee directory number

Junctor Number

ff network frame number
gg junctor slot

4. ACTION TO BE TAKEN

THIS MESSAGE IS INDICATIVE THAT AN OUTGOING CALL HAS BEEN
TRACED TO THE NUMBER UNDER OBSERVATION.

5. REFERENCES

PR-3H005-02 CTRACR Call Trace Program

CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C446

1. OUTPUT MESSAGE FORMAT

tt REPT OFL SW ERR aa

2. EXPLANATION OF MESSAGE

Report occurrence of the on-line CU receiving a "STPASW" order or a program timer reset from the off-line CU.

3. EXPLANATION OF VARIABLE FIELD

aa	0--The sanity test passed.	Off-line looks good.
	1--The sanity test failed.	Off-line is insane.
	2--The sanity test failed.	Off-line is already out of service.

4. ACTION TO BE TAKEN

Run CU diagnostics (DGN:CU!). Follow procedure in TLM-1C900.

5. REFERENCES

PR-1C952 CINIT - Common Initialization

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT PD

REPT PD

1. OUTPUT MESSAGE FORMAT

* tt REPT PD c q TRBL

2. EXPLANATION OF MESSAGE

Used to REPorT a Peripheral Decoder (PD) failure.

A minor alarm is reported and a entry is placed in the known fault list (FLT_LIST).

3. EXPLANATION OF VARIABLE FIELD

c - specifies which Peripheral Control Frame controls the PD point.

q - specifies which point failed (0 - 255).

4. ACTION TO BE TAKEN

Diagnose a PPD and repair the faulty peripheral decoder.

5. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=2 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT PD

REPT PD

1. OUTPUT MESSAGE FORMAT

A tt REPT PD c q TRBL CLR
M tt REPT PD c q TRBL CLR

2. EXPLANATION OF MESSAGE

Used to REPort a Peripheral Decoder (PD) TRouBLE that has been CleaRed either Manually via a RST:PPD cs! request or Automatically via the known fault list monitor (which checks the known fault list entries every ten minutes).

The reported known fault entry is removed from the known fault list.

3. EXPLANATION OF VARIABLE FIELD

c - specifies which Peripheral Control Frame controls the PD point.

q - specifies which PD failed (0 - 255) and had its trouble cleared.

4. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=5 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT PPD

REPT PPD

1. OUTPUT MESSAGE FORMAT

tt REPT PPD cs TRBL wd1 wd2 wd3

2. EXPLANATION OF MESSAGE

Used to REPort a Peripheral Pulse Distributor (PPD) TROuBle. Normally this message will be followed by another message which describes the system actions taken because of the failure indicated by this message.

3. EXPLANATION OF VARIABLE FIELD

c - the Peripheral Control Frame on which the PPD is located,

s - the System Control on which the PPD is located,

wd1 - the subchannel address of the PPD,

wd2 - the failing order that was sent to the PPD,

wd3 - the reply from the PPD.

4. ACTION TO BE TAKEN

Refer to the other messages printed to determine further actions.

5. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C450

REPT PWR A

REPT PWR A

1. OUTPUT MESSAGE FORMAT

tt REPT PWR A ab state

2. EXPLANATION OF MESSAGE

Used to REPorT a state change of a +24 volt converter.

3. EXPLANATION OF VARIABLE FIELD

ab - Indicates which power bus the alarm is on if the state is OFN (off normal).
if Bit 0=1 - Bus B
If Bit 1=1 - Bus A

state - NORM : The +24v converter is NORMal.
M OFF: The +24v converter Manually turned OFF.
OOL : The +24v converter Out Of Limits.
FAIL : The +24v converter has FAILED or a +24v output fuse has blown.

4. ACTION TO BE TAKEN

Repair the +24 volt converter or replace the appropriate fuse.
Diagnosing the ringing and tone plant will provide TLM information for this problem.

5. REFERENCES

PR-3H255 - PWSC: POWER AND ALARM SCAN
BSP-233-142-100 - TOP: NO. 3 ESS OFFICE EQUIPMENT
BSP-233-143-100 - TOP: NO. 3 ESS TROUBLE ANALYSYS
BSP-233-144-100 - TOP: NO. 3 ESS POWER EQUIPMENT

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt REPT PWR B row pt ab state

2. EXPLANATION OF MESSAGE

used to REPorT a state change in the 151 power plant alarms.

3. EXPLANATION OF VARIABLE FIELD

row pt - Specifies the scan point number of the miscellaneous scan point in the master scanner that changed state. Refer to office records.

ab - Invalid for this message.

state - Indicates the new state of the specified scan point is normal (NORM) or off normal (OFN).

4. ACTION TO BE TAKEN

Determine the specific alarm being reported and take corrective action.

IMMEDIATE CORRECTIVE ACTION MUST BE TAKEN IF THE ALARM IS:

** REPT PWR B 17 2 ab OFN

This alarm indicates that office battery is at a DANGEROUSLY low level. If no corrective action is taken a system outage will occur because of a loss of power.

5. REFERENCES

PR-3H255 - PWSC: POWER AND ALARM SCAN

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT PWR B

REPT PWR B

BSP-233-142-100 - TOP: NO. 3 ESS OFFICE EQUIPMENT
BSP-233-143-100 - TOP: NO. 3 ESS TROUBLE ANALYSIS
BSP-233-144-100 - TOP: NO. 3 ESS POWER EQUIPMENT

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C453

REPT PWR C

REPT PWR C

1. OUTPUT MESSAGE FORMAT

tt REPT PWR C row pt ab state

2. EXPLANATION OF MESSAGE

Used to REPorT a state change in the 130 volt power alarms.

3. EXPLANATION OF VARIABLE FIELD

row pt - Specifies the scan point number of the miscellaneous scan point in the master scanner that changed state. Refer to office records.

ab - Indicates which power bus the alarm is on if the state is OFN (off normal).
if Bit 0=1 - Bus B
If Bit 1=1 - Bus A

state - Indicates the new state of the specified scan point is normal (NORM) or off normal (OFN).

4. ACTION TO BE TAKEN

Consult to office records and replace the appropriate fuse or repair the converter.

5. REFERENCES

PR-3H255 - PWSC: POWER AND ALARM SCAN
BSP-233-142-100 - TOP: NO. 3 ESS OFFICE EQUIPMENT
BSP-233-143-100 - TOP: NO. 3 ESS TROUBLE ANALYSIS
BSP-233-144-100 - TOP: NO. 3 ESS POWER EQUIPMENT

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt REPT PWR D row pt ab state

2. EXPLANATION OF MESSAGE

Used to REPorT a state change of +48 volt power alarms.

3. EXPLANATION OF VARIABLE FIELD

row pt - Specifies the scan point number of the miscellaneous scan point in the master scanner that changed state. Refer to office records.

ab - Indicates which power bus the alarm is on if the state is OFN (off normal).
if Bit 0=1 - Bus B
If Bit 1=1 - Bus A

state - Indicates the new state of the specified scan point is normal (NORM) or off normal (OFN).

4. ACTION TO BE TAKEN

Refer to office records and replace the appropriate fuse or TLM converter. Diagnosing the ringing and tone plant will provide TLM information.

5. REFERENCES

PR-3H255 - PWSC: POWER AND ALARM SCAN
BSP-233-142-100 - TOP: NO. 3 ESS OFFICE EQUIPMENT
BSP-233-143-100 - TOP: NO. 3 ESS TROUBLE ANALYSIS
BSP-233-144-100 - TOP: NO. 3 ESS POWER EQUIPMENT

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

* tt REPT PWR TRBL PCF cs

2. EXPLANATION OF MESSAGE

Used to REPorT a minor PoWeR TRouBLE on a Peripheral Control Frame.

A minor alarm is reported and if the nonactive SYC is in the standby state a SYC switch will be performed.

3. EXPLANATION OF VARIABLE FIELD

c - specifies which Peripheral Control Frame has the trouble.

s - specifies which System Control the Peripheral Control Frame is on.

4. ACTION TO BE TAKEN

Repair the trouble.

5. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=2 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT RC DNY

REPT RC DNY

1. OUTPUT MESSAGE FORMAT

tt REPT RC DNY (...)

2. EXPLANATION OF MESSAGE

This message is printed when any recent change (customer-dialed or TTY-inputted) was attempted and was denied.

To avoid excessive printouts, only the first recent change denied per three-minute period is printed.

3. EXPLANATION OF VARIABLE FIELD

- (...) - Indicates one or more of the following reasons for denying the recent changes:
- | | |
|-------|--|
| NSB | - Off-line CU is not in standby. |
| SOD | - Off-line main store is marked out of date. |
| BKD | - Back date button is operated on the system status panel. |
| ADM | - Another administrative task is in progress. |
| CDC | - Customer-dialed recent changes have been turned off. |
| OPD | - Outputting the translations data to the cartridge is in progress. |
| OFB | - Off-line boot is in progress, or outputting the translations data to the cartridge has just completed and off-line boot is about to begin. |
| ZCF | - Zeroing the entries from the call forwarding variable list is in progress. |
| MAS-S | - A recent change write error (to the on-line) has occurred. The original data very probably has been retained. The CU's may have been switched to retain the original data. |
| MAS-W | - A recent change write error (probably to the on-line) has occurred. An attempt to switch CU's to retain the original data was denied (because of NSB/SOD, or because the CU's switched unexpectedly) so an attempt to re-write memory with the original data from the on-line CU was |

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT RC DNY

REPT RC DNY

- tried ... It probably was successful, but there is no way of knowing for sure.
- MAS-I - A recent change write error (probably to the on-line) has occurred. A CU switch was denied, and it was not possible to re-write memory with the original data. The on-line main store, in all likelihood, contains Inconsistent data.
- MAS-H - A history of MAS-W/MAS-I errors have occurred, or a STABLE initialization has recently taken place.

4. ACTION TO BE TAKEN

SOD/NSB

The denial will be in effect for as long as the off-line is unavailable (MAS out of data or CU not in standby), or until a manual override is invoked. Invoking the manual override when either of these states exist (SOD/NSB) implies the full recovery techniques for certain recent changes cannot be employed in the event of a recent change write error. The manual override is invoked with the ALW:ADM;UCL input message.

ADM

The denial will be in effect for as long as the 'administration' task is in progress. These tasks include memory reallocation or another recent change. If the latter, an immediate retry should be successful. If this denial persists and a memory reallocation is not in progress, then it is reasonable to assume a false "reallocation" condition exists. To clean up the false condition, consider using the ABT:MSF;UCL message.

CDC

The ability to allow or deny customer-dialed recent changes is controlled by the RC:OFFICE message. (keyword ICDC)

OPD

In general, for customer-dialed changes this denial is only in effect while that portion of translations (affected by the recent change) is outputted to tape (nominally 10 seconds). For all other recent changes, the denial is in effect until the translations have been completely outputted to tape.

OFB

SEE PROPRIETARY NOTICE ON COVER PAGE

The denial is in effect for the duration of the off-line boot process.

ZCF

The denial is in effect for the length of time it takes for the input request RC:ZERO to zero the call forwarding variable list (less than 10 seconds).

MAS-S, MAS-I, MAS-W, or MAS-H

A main store write error has occurred while attempting a recent change. If any of these MAS formats are printed and there is no reason to suspect hardware memory problems, there is very likely a software recent change problem (consult with the local PECC representative).

If MAS-W/MAS-I is printed, a minor alarm is printed to indicate possible on-line memory contamination. If MAS-W is printed, the original data probably has been re-written back into memory. If MAS-I is printed, it is very likely that the on-line translations contain inconsistent data (memory contaminated). Re-inputting the recent change (assuming the MAS-I was originally caused by a TTY recent change and not a customer-dialed or a machine-generated recent change) may correct the "inconsistency". In any event, if service degrades (or if local procedure warrants), it may be necessary to boot translations to the on-line (or perhaps to the off-line) memory to do a compare. Booting to the off-line memory may be useful in determining the area of translations in trouble.

Once the MAS-H prints, all further recent changes are denied. This action is necessary to avoid possible further contamination to translations. Recent changes will be denied until the off-line MAS and CU return to the update and standby mode, respectively. Typically, this occurs when the system returns to the NORMAL state. In the NORMAL state full recent change recovery techniques become available. If it is not possible to delay recent changes until full recent change recovery techniques become available (system NORMAL), consider using the manual override (below).

It is possible to use a manual override that will allow recent changes even though the MAS-H has printed. The manual override (see IM for message ALW:ADM;UCL) is intended to be used when the MAS-H is in response to a STABLE initialization and not a previous recent change write error (MAS-W/MAS-I). Using the

REPT RC DNY

REPT RC DNY

override for the latter may result in further contamination of translations.

NOTE: The MAS-H always prints out for recent changes following a STABLE initialization because all record of any MAS-W/MAS-I errors prior to the initialization are lost. For safety it is assumed that one or more MAS-W/MAS-I errors did occur prior to the initialization, and consequently all recent changes are denied.

5. REFERENCES

PR-3H074 WRTSUB

CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT RT

REPT RT

1. OUTPUT MESSAGE FORMAT

tt REPT RT p ACT

2. EXPLANATION OF MESSAGE

Used to REPort which Ringing and Tone plant is ACTive.

3. EXPLANATION OF VARIABLE FIELD

p - indicates which Ringing and Tone Plant is active.

4. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C461

REPT RT

REPT RT

1. OUTPUT MESSAGE FORMAT

tt REPT RT row pt state

2. EXPLANATION OF MESSAGE

Used to REPort a state change of a miscellaneous Ringing and Tone plant alarm.

3. EXPLANATION OF VARIABLE FIELD

row pt - Specifies the scan point number of the miscellaneous scan point in the master scanner that changed state. Refer to office records.

ab - Invalid for this message.

state - Indicates the new state of the specified scan point is normal (NORM) or off normal (OFN).

4. ACTION TO BE TAKEN

Refer to office records and run the ringing and tone plant diagnostics. This should provide information to repair the problem.

5. REFERENCES

PR-3H255 - PWSC: POWER AND ALARM SCAN
PR-3H270 - RTPT: RINGING AND TONE PLANT DIAGNOSTIC
TLM-3H104-01 - RINGING AND TONE PLANT
SD-82255 - RINGING AND TONE PLANT
BSP-233-153-120 - PERIPHERAL UNIT DIAGNOSTICS
BSP-233-142-100 - TOP: NO. 3 ESS OFFICE EQUIPMENT
BSP-233-143-100 - TOP: NO. 3 ESS TROUBLE ANALYSIS

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT SC

REPT SC

1. OUTPUT MESSAGE FORMAT

tt REPT SC cs TRBL wd1 wd2 wd3

2. EXPLANATION OF MESSAGE

Used to REPort a Scanner Controller TRouBLE. Normally this message will be followed by another message which describes the system actions taken because of the failure indicated by this message.

3. EXPLANATION OF VARIABLE FIELD

c - the Peripheral Control Frame on which the SC is located,

s - the System Control on which the SC is located,

wd1 - the subchannel address of the SC,

wd2 - the failing order that was sent to the SC,

wd3 - the reply from the SC.

4. ACTION TO BE TAKEN

Refer to the other messages printed to determine further actions.

5. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C463

REPT SCHED BEGIN

REPT SCHED BEGIN

1. OUTPUT MESSAGE FORMAT

tt REPT SCHED BEGIN sched major minoradr

2. EXPLANATION OF MESSAGE

This message reports the beginning of a new major sequence initiated by the general scheduler (i.e. the next major sequence table entry). The purpose of the message is to report progress on the general scheduler tasks.

3. EXPLANATION OF VARIABLE FIELD

sched = schedule no.
major = major sequence table entry no.
minoradr = minor sequence table entry address

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-1C963 CMMON Common Maintenance Monitor Program
PR-3H203 MMONA Maint. Monitor Application Program (No. 3 ESS)

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT SCHED COMPL

REPT SCHED COMPL

1. OUTPUT MESSAGE FORMAT

tt REPT SCHED COMPL

2. EXPLANATION OF MESSAGE

The previously requested general scheduler sequence has completed and the scheduler has been idled. The completed sequence of routines may have been requested automatically or by TTY input message (see BEGIN:SCHED).

3. EXPLANATION OF VARIABLE FIELD

none

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-1C963 CMMON Common Maintenance Monitor Program
PR-3H203 MMONA Maint. Monitor Application Program (No. 3 ESS)

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT SCHED INH

REPT SCHED INH

1. OUTPUT MESSAGE FORMAT

tt REPT SCHED INH sched major minoradr

2. EXPLANATION OF MESSAGE

The general scheduler has been inhibited. This message is given in response to a INH:SCHED request after the completion of the currently executing routine.

3. EXPLANATION OF VARIABLE FIELD

sched = schedule no.
major = major sequence table entry no.
minoradr = minor sequence table entry address

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-1C963 CMMON Common Maintenance Monitor Program
PR-3H203 MMONA Maint. Monitor Application Program (No. 3 ESS)

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt REPT SCHED TRBL sched major minoradr trblcode expect actual

2. EXPLANATION OF MESSAGE

A general scheduler request to execute a minor sequence routine has failed, or the client routine has timed-out or self-aborted. The failing routine is associated with the indicated schedule and major table entry numbers and is pointed to by the minor sequence table entry at 'minoradr'. The scheduler will ignore the remainder of the tasks in the current minor sequence table and restart with the next major table entry.

3. EXPLANATION OF VARIABLE FIELD

sched = schedule no.
major = major sequence table entry no.
minoradr = minor sequence table entry address
trblcode = trouble code
= 0 if the actual return code of the scheduler request subroutine did not match the expected return code
= 1 if the client routine self-aborted
= 2 if the client routine timeout value was exceeded
= 3 if a scheduler begin was attempted while the scheduler was inhibited (see INH:SCHED).
= 4 if the scheduler attempted to process an invalid table entry.
= 5 if the indicated major table entry was skipped due to the SCHEDINH table in translations. (This message serves only as a reminder that a valid table entry has been skipped.)
expect = expected return code for scheduler request (applies to trouble code 0 only)
actual = actual return code from scheduler request (applies to trouble code 0 only)

4. ACTION TO BE TAKEN

REPT SCHED TRBL

REPT SCHED TRBL

Determine the reason for the message and follow local procedures.

5. REFERENCES

PR-1C963 CMMON Common Maintenance Monitor Program
PR-3H203 MMONA Maint. Monitor Application Program (No. 3 ESS)

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C468

REPT SCHED TRC

REPT SCHED TRC

1. OUTPUT MESSAGE FORMAT

tt REPT SCHED TRC sched major minoradr

2. EXPLANATION OF MESSAGE

This message reports the beginning of the next minor sequence initiated by the general scheduler (i.e. the next major sequence table entry). It is only printed when the general scheduler trace option is active (see TTY input message TRC:SCHED).

3. EXPLANATION OF VARIABLE FIELD

sched = schedule no.
major = major sequence table entry no.
minoradr = minor sequence table entry address

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-1C963 CMMON Common Maintenance Monitor Program
PR-3H203 MMONA Maint. Monitor Application Program (No. 3 ESS)

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT SM

REPT SM

1. OUTPUT MESSAGE FORMAT

* tt REPT SM m ROW r TRBL

2. EXPLANATION OF MESSAGE

Used to REPorT a Scan Matrix ROW failure.

A minor alarm is reported and an entry is placed in the known fault list (FLT_LIST).

3. EXPLANATION OF VARIABLE FIELD

m - specifies which Scan Matrix the row is located on.

r - specifies which Row in the scan matrix failed.

4. ACTION TO BE TAKEN

Diagnose a scanner controller and repair the row problem.

5. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=2 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT SM

REPT SM

1. OUTPUT MESSAGE FORMAT

A tt REPT SM m ROW r TRBL CLR
M tt REPT SM m ROW r TRBL CLR

2. EXPLANATION OF MESSAGE

Used to REPorT that a Scan Matrix ROW TRouBLE that has been CleaRed either Manually via a RST:SC cs! request or Automatically via the known fault list monitor (which checks the known fault list entries every ten minutes).

The reported known fault entry is removed from the known fault list (FLT_LIST).

3. EXPLANATION OF VARIABLE FIELD

m - specifies which Scan Matrix the row is located on,

r - specifies which Row in the scan matrix failed and had the trouble cleared.

4. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=5 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C471

REPT SM

REPT SM

1. OUTPUT MESSAGE FORMAT

** tt REPT SM m COLS cc TRBL

2. EXPLANATION OF MESSAGE

Used to REPorT any Scan Matrix COLumn failures.

A minor alarm is reported and an entry is placed in the known fault list (FLT_LIST).

3. EXPLANATION OF VARIABLE FIELD

m - specifies which Scan Matrix the columns are located on.

cc - this octal value represents a binary field in which any binary ones denote failing scan matrix columns. (ie - if bit 5 =1 and bit 7 =1 columns 5 and 7 failed.)

4. ACTION TO BE TAKEN

Diagnose a scanner controller and repair the problem.

5. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=3 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

A tt REPT SM m COLS cc TRBL CLR
M tt REPT SM m COLS cc TRBL CLR

2. EXPLANATION OF MESSAGE

Used to REPort that a Scan Matrix COLumn TRouBles have been
CLEaRed either Manually via a RST:SC cs! request or
Automatically via the known fault list monitor (which checks
the known fault list entries every ten minutes).

The reported known fault entry is removed from the known fault
list (FLT_LIST).

3. EXPLANATION OF VARIABLE FIELD

m - specifies which Scan Matrix the columns are located on.

cc - this octal value represents a binary field in which any
binary ones denote failing scan matrix columns. (ie - if bit 5
=1 and bit 7 =1 columns 5 and 7 failed.)

4. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=5 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT STAT CU

REPT STAT CU

1. OUTPUT MESSAGE FORMAT

tt REPT STAT CU nn ww

2. EXPLANATION OF MESSAGE

Report a change in the state of the off-line CU.

3. EXPLANATION OF VARIABLE FIELD

ww = MAN - The off-line CC has just been placed in MANual
by the operation of that key on its panel.

ww = UAV - The off-line CU has just been made unavailable
by the operation of either the LOCK or FORCE
key on the system status panel.

ww = AVL - The off-line CU has just been made available
by the release of either the LOCK or FORCE
key on the system status panel.

nn = off-line CU number (0 or 1)

4. ACTION TO BE TAKEN

This is an information only message. No action is required.

5. REFERENCES

PR-1C950 CBLM - Common Base Level Monitor

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C474

1. OUTPUT MESSAGE FORMAT

tt REPT STAT TTYC a CHAN=b OOS=cdef INA=ghij

2. EXPLANATION OF MESSAGE

The state of a TTY controller has changed. The change could have been caused by the TTY INIT key, a port alarm, a RMV:TTYC message, or a RST:TTYC message.

3. EXPLANATION OF VARIABLE FIELD

a is the TTY controller (0-7)
b is the message class (0-7) assigned to that controller
c is 1 if port 3 is out of service, otherwise 0
d is 1 if port 2 is out of service, otherwise 0
e is 1 if port 1 is out of service, otherwise 0
f is 1 if port 0 is out of service, otherwise 0
g is 1 if port 3 is inactive, otherwise 0
h is 1 if port 2 is inactive, otherwise 0
i is 1 if port 1 is inactive, otherwise 0
j is 1 if port 0 is inactive, otherwise 0

4. ACTION TO BE TAKEN

If cdef is 1111, the entire controller has been removed from service. This normally occurs when an auto-connect user disconnects. However, for a dedicated TTYC, this situation indicates that the channel has been lost because of a failure in the TTYC, the data set, the interconnecting line, or the terminal. If b is either 0 or 1, then TTYC a is handling maintenance messages. In that case, if cdef is 1111, an alarm will occur and the system will attempt to reconfigure TTYC 0 and TTYC 1 to obtain a valid channel for maintenance messages.

The INA bits indicate ports that are either not equipped or that have been disabled because of port alarms or babbling. The OOS bits indicate ports that have been removed from service, either because the corresponding INA bits are set or because they failed the port acknowledgement test.

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT STAT TTYC

REPT STAT TTYC

5. REFERENCES

PR-3H259-02 TTYMAP - TTY MESSAGE ADMINISTRATION PROGRAM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C476

1. OUTPUT MESSAGE FORMAT

* tt REPT SVC a b TRBL c

2. EXPLANATION OF MESSAGE

Used to REPorT TRouBLE with a SerVice Circuit. One of the error handling routines below attempted to remove the suspected faulty service circuit from service but was unable to do so. The out-of-service limit may have been reached for this service circuit group.

3. EXPLANATION OF VARIABLE FIELD

a is the GROUP NUMBER (64-127) of the service circuit

b is the MEMBER NUMBER (0-127) of the service circuit

c ERROR HANDLING ROUTINE

RXG

The service circuit failed a self-check sequence. It either falsely indicates or cannot detect a Ring Cross to Ground line failure.

EA CONT

The Error Analysis routine suspected the SERVICE CIRCUIT of being faulty because it was involved in several CONTINUITY FAILURES.

EA RC

The Error Analysis routine suspected the SERVICE CIRCUIT of being faulty because it was involved in several RINGING CONTINUITY FAILURES.

EA NWC

The Error Analysis routine suspected the SERVICE CIRCUIT of being faulty because it was involved in several NETWORK CONTROLLER ERRORS.

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT SVC

REPT SVC

EA LLR

The Error Analysis routine suspected the SERVICE CIRCUIT of being faulty because it was involved in several LOW LEAKAGE RESISTANCE FAILURES.

EA TTR

The Error Analysis routine suspected the SERVICE CIRCUIT of being faulty because it was involved in several TOUCH-TONE RECEIVER ERRORS.

EA MFR

The Error Analysis routine suspected the SERVICE CIRCUIT of being faulty because it was involved in several MF RECEIVER ERRORS.

EA PST

The Error Analysis routine suspected the SERVICE CIRCUIT of being faulty because it was involved in several PERMANENT SIGNAL TIMEOUT FAILURES.

EA PDT

The Error Analysis routine suspected the SERVICE CIRCUIT of being faulty because it was involved in several PARTIAL DIAL TIMEOUT FAILURES.

EA MFT

The Error Analysis routine suspected the SERVICE CIRCUIT of being faulty because it was involved in several MF TRANSMITTER ERRORS.

EA NSD

The Error Analysis routine suspected the SERVICE CIRCUIT of being faulty because it was involved in several NO START DIAL FAILURES.

EA NCC

The Error Analysis routine suspected the SERVICE CIRCUIT of being faulty because it was involved in several NO-COIN CONTROL FAILURES.

EA SCC

The Error Analysis routine suspected the SERVICE

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OM-3H300-03-C478

REPT SVC

REPT SVC

CIRCUIT of being faulty because it was involved in several STUCK-COIN CONTROL FAILURES.

QC e1 e2 e3

The Quick-Check routine suspected the SERVICE CIRCUIT of being faulty because it was involved in 3 consecutive errors identified by e1, e2, and e3.

4. ACTION TO BE TAKEN

If the SERVICE CIRCUIT is faulty, remove it from service by TTY input request and repair the faulty SERVICE CIRCUITS.

5. REFERENCES

PR-3H256 TSVEA
Trunk, Line, Service Circuit and Network Line
Error Analysis

ALM=2 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C479

REPT SVC GRP

REPT SVC GRP

1. OUTPUT MESSAGE FORMAT

** tt REPT SVC GRP a OOS LIMIT

2. EXPLANATION OF MESSAGE

Used to REPort that a SerVice Circuit GRouP has reached its Out-Of-Service LIMIT. Approximately 1/8 of the service circuits in this group have been removed from service. No further automatic removals will be allowed from this service circuit group.

3. EXPLANATION OF VARIABLE FIELD

a is the service circuit GROUP NUMBER (64-127)

4. ACTION TO BE TAKEN

Repair the faulty service circuits.

5. REFERENCES

PR-3H258 TSVSUB
Maintenance Subroutines for Replicated Circuits
and Lines

ALM=3 CHL=MTC,MTR

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OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C480

REPT SYC

REPT SYC

1. OUTPUT MESSAGE FORMAT

tt REPT SYC s ACT

2. EXPLANATION OF MESSAGE

Used to REPorT which SYstem Control is ACTive.

3. EXPLANATION OF VARIABLE FIELD

s - indicates which System Control is active.

4. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY
PR-3H006-03 INITA - APPLICATION PORTION OF THE INITIALIZATION
PROGRAM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C481

1. OUTPUT MESSAGE FORMAT

tt REPT TAPE aa tdc0 tdc1 tdc2 tdc3 tdc4

2. EXPLANATION OF MESSAGE

The response to a request for tape status. At present only TDC0 and TDC1 are used by No. 2B ESS and No. 3 ESS, TDC2 through TDC4 are to be ignored.

3. EXPLANATION OF VARIABLE FIELD

aa The tape status word.

- 0 = Both tape units in-service.
- 1 = Tape unit 0 out-of-service and tape unit 1 in-service.
- 2 = Tape unit 0 in-service and tape unit 1 out-of-service.
- 3 = Both tape units out-of-service.

tdc0 and tdc1 The status words of the defined tapes.
Bits 0-10 reflect the last known tape position.
Bit 11, if set, indicates that the tape is not in service.
Bit 12, if set, indicates that a compare has been done successfully on this unit.
Bit 13, if set, indicates that the tape position is correct.

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-1C957-01 CTAPH Tape Handler Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT TOLL

REPT TOLL

1. OUTPUT MESSAGE FORMAT

tt REPT TOLL row pt ab state

2. EXPLANATION OF MESSAGE

Used to REPorT a state change of a TOLL alarm.

3. EXPLANATION OF VARIABLE FIELD

row pt - Specifies the scan point number of the miscellaneous scan point in the master scanner that changed state. Refer to office records.

ab - Invalid for this message.

state - Indicates the new state of the specified scan point is normal (NORM) or off normal (OFN).

4. ACTION TO BE TAKEN

Consult office records to determine the alarm being reported and take corrective action in accordance with local procedures.

5. REFERENCES

PR-3H255 - PWSC: POWER AND ALARM SCAN
BSP-233-142-100 - TOP: NO. 3 ESS OFFICE EQUIPMENT
BSP-233-143-100 - TOP: NO. 3 ESS TROUBLE ANALYSIS

ALM=0 CHL=MTC,MTR

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OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C483

1. OUTPUT MESSAGE FORMAT

tt REPT TRBL n a b c d e f g

2. EXPLANATION OF MESSAGE

Used to REPort trouble conditions in the office on a reminder basis. New trouble conditions are not the cause of this message. If certain trouble conditions exist, this message will appear on the hour as a reminder.

3. EXPLANATION OF VARIABLE FIELD

n - the offline SYC; only troubles in this SYC are reported.

a b c d e f g

These parameters are variable in number and will be taken from the set MISC AMA RT PPD SC NWC CU. If one of these abbreviations is present, a trouble exists in that unit in the offline SYC.

Note: the number n is only meaningful for troubles on a SC, PPD, NWC or CU.

4. ACTION TO BE TAKEN

Determine why the trouble condition has not yet been repaired.

5. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=0 CHL=MTC,MTR

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1. OUTPUT MESSAGE FORMAT

```
M tt REPT TRBL wrd0
  wrd1 g m
  wrd2 cg cgsl
  wrd3 cg csl
  wrd4 g m
  wrd5 cg cgsl
  wrd6 cg csl
  wrd7 cg jsn
  wrd8 cg jsn
  wrd9 n
```

2. EXPLANATION OF MESSAGE

Used to output the result of a REPorT TRouBLE request.

3. EXPLANATION OF VARIABLE FIELD

wrd0 is the PERIPHERAL FAILURE TYPE

- CONT - CONTinuity failure
- RC - Ringing Continuity failure
- FCG - False Cross and Ground failure
- NWC - NetWork Controller error
- LLR - Low Leakage Resistance failure
- LCO - Line CutOff failure
- TTR - Touch-Tone Receiver error
- MFR - MF Receiver error
- FTO - False Trunk Origination error
- PST - Permanent Signal Timeout
- PDT - Partial Dial Timeout
- MFT - MF Transmitter error
- NSD - No Start Dial error
- EDP - Excessive Dial Pulse error
- ANIS - ANI Start failure
- CLC - Coin Line Circuit failure
- NCC - No-Coin Control failure
- SCC - StuCk-Coin control failure
- RVF - Restore VeriFy failure
- LCRV - Line Circuit Restore Verify failure
- PX - Power Cross failure

wrd1-wrd9
are the circuit types involved in this failure

SEE PROPRIETARY NOTICE ON COVER PAGE

REPT TRBL

REPT TRBL

TRK - Trunk
SVC - Service Circuit
ALNK - A-link
BLNK - B-link
JC - Junctor
LINE - Line
TV TC - Test Vertical Test Circuit

g is the GROUP NUMBER for TRUNKS and SERVICE CIRCUITS
m is the MEMBER NUMBER
cg is the CONCENTRATOR GROUP for A-LINKS,B-LINKS,LINES
and JUNCTORS
jsn is the JUNCTOR SWITCH NUMBER for B-LINKS and JUNCTORS
csl is the CONCENTRATOR,OUTPUT SW.,OUTPUT SW. HORIZONTAL
for A-LINKS
cgs1 is the CONCENTRATOR,INPUT SW. GROUP,INPUT SW.,INPUT LEVEL
n is the TEST VERTICAL TEST CIRCUIT
for LINES

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-3H318 TSVMON
Trunk and Service Circuit Maintenance Aids Program

ALM=4 CHL=MTC,MTR

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REPT TRBL FLT

REPT TRBL FLT

1. OUTPUT MESSAGE FORMAT

C tt REPT TRBL FLT LIST FULL

2. EXPLANATION OF MESSAGE

Used to REPort that the known FauLT LIST is FULL.

The known fault list is used by recovery to hold entries of scan matrix row failures, scan matrix column failures and peripheral decoder point failures to prevent recovery from continuously switching from one SYC to the other SYC thus keeping the system as sane as possible. This list is also used in distinguishing between controller faults and matrix faults.

A CRITICAL alarm is sounded when this message is printed.

3. ACTION TO BE TAKEN

THIS MESSAGE REQUIRES IMMEDIATE ACTION by a craftsman because it indicates a large portion of the nonduplicated peripherals are faulty. It could also be caused by multiple peripheral controller faults. In either case the system is in bad shape.

4. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=6 CHL=MTC,MTR

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OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C487

1. OUTPUT MESSAGE FORMAT

* tt REPT TRBL NIGHTLY ROUTINES ABORTED aaaaa

2. EXPLANATION OF MESSAGE

Twenty-five minutes have passed since the nightly routines were requested. The latter portion of the traffic nightly routines have been skipped. These include:

1. Busy hour (H) printout (from tape)
2. Office message registers
3. Out-of-service service circuits
4. Trunk status

In addition, the remaining part of the nightly routines which is determined by the scheduler has been skipped.

There are two possible reasons for this message. First, there may have been a problem with the tape. If this was the case, there would have been messages printed out indicating the problem such as TAPE RCOVRY, TAPE OPER ABT, or PAGEMON ABT. The second possibility was that the paging buffer was being used by another multiscan function (MSF). This is indicated by the spare light on the SSP. Such things as recent change messages or adding overwrites will use the paging buffer.

3. EXPLANATION OF VARIABLE FIELD

aaaaa - indicates the MSF in progress (if any)
at the time this message was printed.
An octal number is printed.

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--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0	0	0															
15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0		

<u>bit position</u>	<u>MSF</u>
0	Update Other Main Store
1	CU Diagnostics
2	Application Diagnostic Controller
3	Tape Diagnostic
4	Administration Program (e.g. Recent Changes)
5	Maintenance Nonresident Mini-MSF
6	Turnover, Cutover and Office to Office Test
7	Common Off-line Utilities (e.g. OW program)
8	Network Fabric Exerciser
9	Nightly Traffic Output Routines
10	Nonresident TTY Message Calalogue
11	Off-line Network Order Utility
12	Remreed Network Error (Pattern) Analysis
13 - 15	Not used. Will always be zero.

4. ACTION TO BE TAKEN

If the problem was caused by hardware, follow the procedure as described in the tape messages.

If the problem was caused by a bad tape 0 or if another MSF was in use at the time of the nightly routines, there are a couple of alternatives that are available.

The first alternative is to leave it go until the next evening. The busy hour traffic measurements will be appended to the existing busy hour measurements on tape; the office message registers will continue to accumulate data. Therefore, no information has been lost. If it was a tape problem make sure the bad tape is replaced and the new tape is updated. To update the traffic busy hours from tape 0 to tape 1, the command COPY:FILE TRAFFIC! can be used.

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The following alternative can be used if the busy hour and office message register information must be retrieved immediately. This procedure should only be done when the traffic flow is minimal. The reason is that you do not want any maintenance messages blocked.

Step 1 would apply if there was a bad tape.

1. If it was a bad tape 0, remove tape 0. Remove tape 1 (good tape) and put it into the tape 0 slot. So now there is a good tape in the tape 0 position and no tape in the tape 1 position.
2. Type in INH:SCHED!
3. Set the clock to begin the nightly routines. To determine the time when the nightly routines begin, refer to the PA, section 800, figure 33f (MTI entry is TRAFD). Words one and two are the locations of the hours and minutes in BCD when the nightly routines are to begin.
4. The normal sequence of events will take place just as in the regular nightly routines. That is, the busy hours (from tape), plant measurements, and office message registers will print out.
5. The scheduler normally begins shortly after the office message registers have completed. Instead of the normal REPT SCHED BEGIN, the message REPT SCHED TRBL will be printed. This message was printed to inform us that the scheduler was inhibited.
6. Set the clock back to the correct time.
7. Type in ALW:SCHED!
8. After the plant measurements were printed out, the plant measurement registers were zeroed out. In order to get the total plant measurements for the day, the plant measurements that just printed out and the plant measurements for the coming evening should be added together.
9. If a bad tape caused the problem in the first place, make sure the bad tape is replaced.

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REPT TRBL NIGHTLY

REPT TRBL NIGHTLY

5. REFERENCES

PR-3H008-02 TRAFIC Traffic and Plant
Measurements

ALM=2 CHL=MTC,MTR

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OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C491

REPT TRF

REPT TRF

1. OUTPUT MESSAGE FORMAT

tt REPT TRF mm/dd/yy hh:mm:ss ID S l hh:mm
IDS 1 2 3 4

END OF REPORT

2. EXPLANATION OF MESSAGE

Traffic reports are scheduled by dial administration and appear at the times specified in the traffic schedules block. Each report includes a header line, describing the type of report and where it comes from, one or more sections of traffic data, each preceeded by a 3 character identifier, and an "END OF REPORT" trailer to show that the report has successfully finished printing.

The header fields are

TRF Traffic report
mm/dd/yy current month, day, and year
hh:mm:ss hours, minutes, seconds - time that the current
schedule ended and the traffic registers were
recycled.
ID office identification
S Traffic schedule
Q Quarter hour
H Busy hour
C Non busy hour
D Daily
W Weekly
P Plant - printed on maintenance channel only
l last or highest level of emergency action during
this schedule
hh:mm time of l - hours and minutes

The sections of traffic measurements that may appear on the reports are listed below.

IDS

QH Quarter hour measurements
1. Average dial tone delay - dial pulse (in 10ths of a

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- second)
2. Percent calls with 3 second delay - dial pulse
 3. Total dial pulse originations
 4. Number of calls with 3 second delay - dial pulse
 5. Average dial tone delay - touch-tone
 6. Percent calls with 3 second delay - touch-tone (same as 1)
 7. Total touch-tone originations
 8. Number of calls with 3 second delay - touch-tone
 9. Average MF receiver attachment delay (same as 1)
 10. Percent calls with 3 second attachment delay
 11. Total bids for an MF receiver
 12. Number of calls with 3 second attachment delay
 13. Number of base level loops
 14. Number of base level loops greater than 150 milliseconds
 15. Number of interrupts deferred
 16. Dynamic service protection usage
- CYC 1. Cycle count - number of times 100 second usage measurements were started in this period.
- OFT Office totals
- 1 - 16 are the hour totals of the past 4 quarter hours.
17. Total originating calls
 18. Abandoned bids for dial tone - dial pulse
 19. Abandoned bids for dial tone - touch-tone
 20. Permanent signal time outs
 21. Partial dial time outs
 22. False starts
 23. Partial dial abandons
 24. Total terminating calls
 25. Intraoffice call attempts
 26. Intraoffice calls to busy lines
 27. Stable intraoffice usage
 28. Stable revertive call usage
 29. Intraoffice Intercepts 1
 30. Intraoffice Intercepts 2
 31. Intraoffice Intercepts 3
 32. Outgoing Call Attempts
 33. Transmitter time outs
 34. Incoming call attempts
 35. Incoming partial dial time outs
 36. Incoming partial dial abandons
 37. Dial pulse bylink and non bylink incoming calls
 38. MF incoming calls
 39. Incoming intercepts 1
 40. Incoming intercepts 2
 41. Incoming intercepts 3
 42. Tandem call attempts
 43. First attempt to match

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REPT TRF

REPT TRF

44. First failure to match
45. One digit speed calls
46. Two digit speed calls
47. Threeway calls
48. Call forwarding activation attempts
49. Call forwarding register usage
50. Calls forwarded
51. Call waiting calls
52. Ineffective originating signalling
53. Ineffective incoming terminating signalling
54. Ineffective intraoffice terminating signalling
55. No path tandem
56. No path incoming terminating
57. No path outgoing and intraoffice
58. No service circuit tandem
59. No service circuit incoming
60. No service circuit outgoing and intraoffice
61. No trunk tandem
62. No trunk outgoing and intraoffice
63. Connecting troubles tandem
64. Connecting troubles incoming
65. Connecting troubles outgoing and intraoffice
66. Ineffective tandem signalling
67. Ineffective outgoing signalling
68. Ineffective incoming signalling
69. Lines found busy incoming
70. Tandem abandons
71. Incoming abandons
72. Outgoing and intraoffice abandons
73. Translation errors
74. Dial tone blockage
75. Expanded inband receiver failure
76. Expanded inband signal failure
77. Ineffective incoming dial pulse signalling
- 78 - 86. Not used. Will always be zero.

DOR Division of Revenue

1. Total originating calls
2. Through switched calls
3. Stable through switched usage
4. Stable outgoing usage

TRK Trunk groups - registers in groups of 5

1. Trunk group number
2. Peg count
3. Usage
4. Overflow
5. Number of members maintenance busy at end of schedule

SVC Service circuit groups - same as trunk groups

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REPT TRF

REPT TRF

MLH Multi-line hunt groups - same as trunk groups

PRE Pre-route peg counts - 4 registers

CLS Class of service peg counts - 5 registers

ALK A-link measurements

1. Number of out-of-service A-links
A-link usage - 1 register per concentrator
2. Concentrator group 1, concentrator 0
3. Concentrator group 1, concentrator 1
4. Concentrator group 2, concentrator 0
5. Concentrator group 2, concentrator 1
through
30. Concentrator group 15, concentrator 0
31. Concentrator group 15, concentrator 1

BLK B-link measurements

1. Number of B-links out-of-service
2. B-link usage, network 0
3. B-link usage, network 1

TLU Terminal usage measurements - 16 registers

AMA Local AMA

1. AMA traffic count
2. AMA initial entry made count
3. AMA calls completed count
4. The number of entries inserted into AMA buffer
5. The number of calls set free due to buffer overflow
or other reasons
6. AMA TTY count

PLT Plant measurements

<u>REGISTERS</u>	<u>DESCRIPTION</u>	<u>COMMENTS</u>
1. MMCUAR	CU Automatic Removals	This counter is incremented whenever a CU is marked out-of-service. Manual removals are not recorded.
2. MMTDCAR	TDC Automatic Removals	This counter is incremented whenever a tape controller is removed from service. Manual removals are not recorded.
3. MMTOFO	Tape 0 Files Opened	These counters are incre- mented each time a tape file is opened.
4. MMT1FO	Tape 1 Files Opened	

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REPT TRF

REPT TRF

5. MMTOTE	Tape 0 Transient Errors	Add 1 to these counters whenever a tape read or write fails and a retry of the read or write passes.
6. MMT1TE	Tape 1 Transient Errors	
7. MMT0FR	Tape 0 Fatal Reads	Add 1 to these counters whenever a tape cannot be read. A tape is considered unreadable whenever three retries to read a block fail.
8. MMT1FR	Tape 1 Fatal Reads	
9. MMT0FW	Tape 0 Fatal Writes	Add 1 to these counters whenever a block cannot be written. A tape is considered unwritable whenever a fatal read error occurs, the block is rewritten and another fatal read error reoccurs. The amount of time either SYC is out of service or unavailable measured in 100-second periods. Responsible Program: PURC
10. MMT1FW	Tape 1 Fatal Writes	
11. MMSYCOOS	SYC OOS Duration	
12. MMTESC	Transient Errors on Scanners	Increment these counts each time the transient error counter for a peripheral controller is incremented in the status table. A transient error entry is entered every time order fails, is retried, and passes. Responsible Program: PURC
13. MMTENWC	Transient Errors on Network Controllers	
14. MMTEPPD	Transient Errors on PPDs	
15. MMBASM	Known Fault Entries on Scan Matrices	Increment this count each time a scanner matrix entry is placed in the known fault list. This count can be incremented from any one of two types of entries: scanner column faults or scanner row faults. A scanner column fault is entered whenever a new column failure is detected by the all zeros order sent to each scan

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		matrix every base level loop. A scanner row fault is entered whenever a scan order fails, is retried, and fails, a SYC switch is performed and the scanner order fails again using the mate scanner controller. Responsible Program: PURC
16. MMBAPB	Known Fault Entries on PD Points	Increment this count each time a PD point entry is placed in the known fault list. A PD fault is entered whenever a PD order fails, is retried and fails, a SYC switch is performed, and the PD order fails again using the mate PPD. Responsible Program: PURC
17. MMSRSC	Service Removals SC	These counters are incremented whenever an SC, NWC, or PPD is marked out of service in the status table due to an automatic action. Manual removals are not recorded in these counters. Responsible Program: PURC
18. MMSRNWC	Service Removals NWC	
19. MMSRPPD	Service Removals PPD	
20. MMSRRT	Service Removals RT	
21. MMMRFCC	MRF Count Cleared	Responsible Program: BLMA
22. MMIC1	Initialization Count 1	Minimal Clear Responsible Program: INITA
23. MMIC2	Initialization Count 2	Partial Clear Responsible Program: INITA
24. MMIC3	Initialization Count 3	Partial Clear Responsible Program: INITA
25. MMIC4	Initialization Count 4	Transient Clear Responsible Program: INITA
26. MMMI	Manual Initialization	Initializations manually invoked. Responsible Program: INITA
27. MMCA	Call Audit Failures	This count is incremented

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each time one of the following audits performs a corrective action:

- a) Stable TMR Audit,
- b) Transient Call Audit,
- c) Busy Line Audit,
- d) Busy Service Circuit A Audit,
- e) Busy Trunk Audit,
- f) Test Vertical Audit, or
- g) Routine Network Audit.

Responsible Program: AUDITS

28. MMMSAC	Main Store Audit Failures	This count is incremented each time the main store audit control performs a corrective action.
29. MMPWRALM	Power Alarms	This counter is incremented each time a power alarm is reported. Responsible Program: PWSC
30. MMOALM	Total Alarms	This counter is incremented each time any alarm is given. Responsible Program: TTYMAP
31. MMR2EA	Total EA Reports	Total number of reports to error analysis. Responsible Program: TSVEA
32. MMQCE	Quick-Check Entries	Add 1 to this counter every time there is an attempt to add a new entry to the quick-check table. Responsible Program: TSVEA
33. MMQCO	Quick-Check Overflow	Add 1 to this counter each time a quick-check cannot be added to quick-check table because the table is full. Responsible Program: TSVEA
34. MMEAE	Error Analysis Entries	Add 1 to this counter every time a new entry is added to the error analysis table.

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REPT TRF

REPT TRF

		Responsible Program: TSVEA
35. MMEATP	Error Analysis Table Pushoffs	Add 1 to this counter each time an entry is pushed out of the error analysis table due to the list being full. Responsible Program: TSVEA
36. MMCDPRRA	CDPR Removal Attempts	Add 1 to this counter every time there is an automatic removal attempt (by error analysis or quick-check) of a CDPR. Attempts are measured because the maximum allowable number of CDPRs may have already been removed. Responsible Program: TSVEA
37. MMCPRTT	CDPR-TT Removal Attempts	Same as MMCDPRRA, but for CDPR-TT. Responsible Program: TSVEA
38. MMMFRRA	MF Receiver Removal Attempts	Same as MMCDPRRA, but for MF receivers. Responsible Program: TSVEA
39. MMMFTRA	MF Transmitter Removal Attempts	Same as MMCDPRRA, but for MF transmitters. Responsible Program: TSVEA
40. MMDPTRA	DP Transmitter Removal Attempts	Same as MMCDPRRA, but for DP Transmitters. Responsible Program: TSVEA
41. MMRRRA	Reg Ring Removal Attempts	Same as MMCDPRRA, but for regular ringers. Responsible Program: TSVEA
42. MMSRRA	Superimposed Ring Removal Attempts	Same as MMCDPRRA, but for superimposed ringers. Responsible Program: TSVEA
43. MMCOINRA	Coin Circuit Removal Attempts	Same as MMCDPRRA, but for coin circuits. Responsible Program: TSVEA
44. MMAOSCRA	All Other Service Circuit Removal Attempts	Same as MMCDPRRA, but for all other service circuits not mentioned above. Responsible Program: TSVEA

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REPT TRF

REPT TRF

45. MMJCTRA	Junctor Removal Attempts	Same as MMCDPRRA, but for junctors. Responsible Program: TSVEA
46. MMTNKRA	Trunk Removal Attempts	Same as MMCDPRRA, but for trunks. Responsible Program: TSVEA
47. MMLINETR	Line Trouble Reports	Add 1 to this counter every time there is an automatic trouble report (by error analysis) of a line. Responsible Program: TSVEA
48. MMALBLRA	A-Link and B-Link Removal Attempts	Same as MMCDPRRA, but for A-links and wire B-links. Responsible Program: TSVEA
49. MMCTF	Continuity Test Failures	Add 1 to this counter every time a continuity test failure or ringing continuity test failure is reported to error analysis. Responsible Program: TSVEA
50. MMFCGF	FCG Failures	Same as MMCTF, but for FCG failures. Responsible Program: TSVEA
51. MMPXF	PX Failures	Same as MMCTF, but for PX failures. Responsible Program: TSVEA
52. MMRVF	RV Failures	Same as MMCTF, but for RV failures. Responsible Program: TSVEA
53. MMTPTF	Trunk Progression Test Failures	Responsible Program: ROUC
54. MMSVCPTF	Service Circuit Progression Test Failures	Responsible Program: ROUC
55. MMJPTF	Junctor Progression Test Failures	Responsible Program: ROUC
56. MMTCOOSD	Trunk Circuit Out-of-Service Duration	This is a usage count of the number of out-of-service trunks every 100

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seconds.

Responsible Program:

TSVSUB

57. MMSCOOSD	Service Circuit Out-of-Service Duration	This is a usage count of the number of out-of-service service circuits every 100 seconds. Responsible Program: TSVSUB
58. MMTRTSC	Total Restorals on Trunk and Service circuits	Add 1 to this count each time a trunk or service circuit is restored. Responsible Program: TSVEA
59. MMTLO	Total Line Originations	Responsible Program: DNTRP
60. MMMBO	Maintenance Busy Overflows	Add 1 to this count whenever a group is overflowed and the maintenance busy counter is nonzero. Responsible Program: EQPSEL
61. MMTICA	Total Incoming Call Attempts	Responsible Program: TKORIG
62. MMTTQF		Bumped by TTYMAP when an output request is rejected because the message queue is full
63. MMTTMD		Bumped by TTYMAP when an output message is deleted from the queue to make room for a higher priority message
64. MMTOCA	Total Outgoing Call Attempts	Responsible Program: OUTCAL
65. MMTTO	Transmitter Time-Outs	Responsible Program: OUTCAL
66 - 74.		Not used. Will always be zero.

3. EXPLANATION OF VARIABLE FIELD

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REPT TRF

REPT TRF

Fields are explained above.

4. ACTION TO BE TAKEN

Follow local procedures for processing the data.

5. REFERENCES

PR-3H008-02 TRAFIC - Traffic and Plant Measurements

ALM=0 CHL=MTC,MTR,TRF

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OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C502

1. OUTPUT MESSAGE FORMAT

* tt REPT TRK a b TRBL c

2. EXPLANATION OF MESSAGE

Used to REPort TRouBLE with a TRunK. One of the error handling routines below attempted to remove the suspected faulty trunk from service but was unable to do so. The out-of-service limit may have been reached for this trunk group.

3. EXPLANATION OF VARIABLE FIELD

a is the GROUP NUMBER (128-255) of the trunk

b is the MEMBER NUMBER (0-127) of the trunk

c ERROR HANDLING ROUTINE

EA CONT

The Error Analysis routine suspected the TRUNK of being faulty because it was involved in several CONTINUITY FAILURES.

EA NWC

The Error Analysis routine suspected the TRUNK of being faulty because it was involved in several NETWORK CONTROLLER ERRORS.

EA MFR

The Error Analysis routine suspected the TRUNK of being faulty because it was involved in several MF RECEIVER ERRORS.

EA FTO

The Error Analysis routine suspected the TRUNK of being faulty because it was involved in several FALSE TRUNK ORIGATION ERRORS.

EA NSD

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REPT TRK

REPT TRK

The Error Analysis routine suspected the TRUNK of being faulty because it was involved in several NO START DIAL FAILURES.

EA EDP

The Error Analysis routine suspected the TRUNK of being faulty because it was involved in several EXCESSIVE DIAL PULSES ERRORS.

EA ANIS

The Error Analysis routine suspected the TRUNK of being faulty because it was involved in several ANI START FAILURES.

QC e1 e2 e3

The Quick-Check routine suspected the TRUNK of being faulty because it was involved in 3 consecutive errors identified by e1, e2, and e3.

4. ACTION TO BE TAKEN

If the TRUNK is faulty, remove it from service by TTY input request and repair the faulty TRUNKs.

5. REFERENCES

PR-3H256 TSVEA
Trunk, Line, Service Circuit and Network Line
Error Analysis

ALM=2 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C504

REPT TRK

REPT TRK

1. OUTPUT MESSAGE FORMAT

tt REPT TRK gg mmm 911 ORG

2. EXPLANATION OF MESSAGE

An origination request from a 911 bureau terminating-only trunk has persisted for greater than 6 minutes.

3. EXPLANATION OF VARIABLE FIELD

The gg and mmm variables define the trunk group and member number, respectively.

4. ACTION TO BE TAKEN

Check the trunk specified for a malfunction.

5. REFERENCES

PR-3H156-02 EMERG - 911 SERVICE PROGRAM

CHL=MTC,MTR

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OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C505

REPT TRK GRP

REPT TRK GRP

1. OUTPUT MESSAGE FORMAT

** tt REPT TRK GRP a OOS LIMIT
M tt REPT TRK GRP a OOS LIMIT

2. EXPLANATION OF MESSAGE

Used to REPort that a TRUnK GRouP has reached its Out-Of-Service LIMIT. Approximately 1/8 of the trunks in this group have been removed from service. No further automatic removals will be allowed from this trunk group.

3. EXPLANATION OF VARIABLE FIELD

a is the trunk GROUP NUMBER (128-255)

4. ACTION TO BE TAKEN

Repair the faulty trunks.

5. REFERENCES

PR-3H258 TSVSUB
Maintenance Subroutines for Replicated Circuits
and Lines

ALM=3 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt REPT TTYC a DGN FALT b c d e

2. EXPLANATION OF MESSAGE

This message reports that a fault has been detected during TTYC diagnostics.

3. EXPLANATION OF VARIABLE FIELD

- a TTYC number that is being diagnosed.
- b A number indicating what test failed:
 - 0 TTYC failed during port control portion of the test.
 - 1 TTYC failed the ASCII character DEL loop-around test.
 - 2 TTYC failed the ASCII character BREAK loop-around test.
- c Bits representing the data in R10 that was sent to the TTYC for the test that failed.
 - If b above is 0, then c means the following:
 - Bits 0-3 represent ports 0 thru 3 of the TTYC;
 - If bit 4 is 0, the port tests are being performed
 - If bit 4 is 1, the alarm test is being performed
 - Bit 7 is the enable/disable bit.
 - If b above is 1, the DEL character loop-around test is being done.
 - If b is 2, the BREAK character loop-around test is being done.
- d Represents the response received from the TTYC for the test being done.
 - For the port control test, when b = 0, d means the following:
 - Bits 0-3 represent port status, 1 = enabled
 - Bits 4-7 represent port alarm status, 1 = on
 - Bits 8-10 represent controller status:
 - 001 = parity error on received message
 - 010 = controller busy
 - 100 = controller idle
- e Can be one of the following:
 - I/O The processor is unable to send I/O orders to the TTYC successfully. Possible causes may be that power is removed from the TTYC

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REPT TTYC

REPT TTYC

unit or a fault may exist in the I/O channel-subchannel, in the I/O cabling, or in the TTYC logic packs.

TIME TTYC timeout has occurred, i.e., the TTYC has failed to become idle for the port control test (field b=0) or character loop-around failed to occur (field b=1 or 2).

4. ACTION TO BE TAKEN

Make sure the power is turned on the TTYC unit. Also verify the cabling from the TTYC to the processor. If the power is on and the cabling is correct, the fault must then be with one of the three TTYC logic circuit packs: the FC261 (if the TTYC is mated; otherwise, the FC200), the FA1058, and the FA1059. Change out these circuit packs one at a time to locate the bad pack. Power should be removed from the TTYC unit when circuit packs are being changed.

5. REFERENCES

PR-1C961 CTTYT

ALM=M PRI=3 CHL=MTC

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OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C508

1. OUTPUT MESSAGE FORMAT

tt REPT TTYC a PORT b c FALT

2. EXPLANATION OF MESSAGE

An automatically generated output message to the MTC channel reporting the detection of a fault on a TTYC port. Action will have been taken as indicated below.

3. EXPLANATION OF VARIABLE FIELD

- a The TTYC number on which the faulty port was found.
- b A 16-bit number whose 4 low bits represent each port (port 3 through port 0 from left to right) of the TTYC.
 - 1 = port for which the fault is being reported.
 - 0 = port has no fault.
- c The type of fault that was detected.
 - IN A continuous input stream of at least 128 of the same characters was detected. The offending port has been quarantined -- shut off for both input and output messages.
 - WRU A port that had been equipped with a TTY device that properly responded to the Operational (WRU) test no longer responds. The offending port has been marked as no longer responding, but will continue to be treated as it was before in regards to input and output enabling.
 - ALM An alarm condition has been detected on a port that formerly did not indicate an alarm. If a local TTY is attached to this port, it means that the paper supply is low. If a remote TTY is attached, it means that a carrier failure has occurred. The offending port will continue to be treated as it was in regards to input and output enabling.

4. ACTION TO BE TAKEN

Take action to repair the failing TTY device attached to the indicated port.

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REPT TTYC

REPT TTYC

5. REFERENCES

PR-1C960 CTTYH

ALM=* PRI=2 CHL=MTC

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OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C510

1. OUTPUT MESSAGE FORMAT

tt REPT TTYC a b FALT BCP c

2. EXPLANATION OF MESSAGE

An automatically generated output message to the MTC channel reporting the detection of a fault in a TTYC that caused it to be taken out of service. All future output messages destined for that TTYC will be routed to its backup. Likewise, the class of input messages that were accepted from that TTYC will now be accepted from its backup.

3. EXPLANATION OF VARIABLE FIELD

- a The offending TTYC number in which the fault was detected.
- b The type of fault that was detected.
 - I/O The processor is unable to send I/O orders to the TTYC without errors. A fault may exist in the I/O channel-subchannel, the I/O cabling, or the TTYC itself.
 - WRU No port can be found that will properly respond to the operational (WRU) test. A fault may exist such that the TTYC cannot interrupt the processor, send characters, or receive characters. A more likely case is that one or more failures have occurred in the TTY devices attached to the ports.
 - TIME The TTYC was ordered by the processor to output a character but failed to interrupt the processor to indicate completion within a reasonable time (2 character times). This indicates a probable fault in the TTYC or its interconnections to the processor.
- c The backup TTYC number to which all output will be directed and input accepted.

4. ACTION TO BE TAKEN

Perform repair procedures on attached TTY equipment or initiate diagnostic activities on the TTYC and I/O facilities.

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REPT TTYC

REPT TTYC

5. REFERENCES

PR-1C961 CTTYT

ALM=* PRI=3 CHL=MTC

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OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C512

1. OUTPUT MESSAGE FORMAT

* tt REPT TV TC a TRBL QC e1 e2 e3

2. EXPLANATION OF MESSAGE

Used to REPort TRouBLE with a Test Vertical Test Circuit. The Quick-Check routine attempted to remove the suspected faulty test vertical test circuit from service but it was service busy or another test vertical test circuit was already out-of-service. The Quick-Check routine suspected the test vertical test circuit of being faulty because it reported 3 consecutive restore verify failures (RVF) or 3 consecutive false cross and ground failures (FCG).

3. EXPLANATION OF VARIABLE FIELD

a is the TV TC (Test Vertical Test Circuit)
where 0 ==> wire TV TC, low concentrator groups
1 ==> junctor TV TC, low concentrator groups
2 ==> wire TV TC, high concentrator groups
3 ==> junctor TV TC, high concentrator groups

e1 e2 e3 identify the 3 consecutive errors
where RVF ==> restore verify failure
FCG ==> false cross and ground failure

4. ACTION TO BE TAKEN

If the TEST VERTICAL TEST CIRCUIT is faulty, remove it from service by TTY input request and repair the faulty TEST VERTICAL TEST CIRCUITS.

5. REFERENCES

PR-3H256 TSVEA
Trunk, Line, Service Circuit and Network Line
Error Analysis

ALM=2 CHL=MTC,MTR

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OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C513

REPT WRI ERR

REPT WRI ERR

1. OUTPUT MESSAGE FORMAT

** tt REPT WRI ERR aa bb cc

2. EXPLANATION OF MESSAGE

Report occurrence of write protect error to on-line main store.
A hardware check has fired which caused an error interrupt.
The on-line store error register has been cleared and the
off-line store has been initialized.

3. EXPLANATION OF VARIABLE FIELD

aa	The address after point where error occurred.
bb	The contents of register pair RA0 B(19-0) of address where write may have occurred.
cc	The contents of register pair RA1 B(19-0) of address where write may have occurred.

4. ACTION TO BE TAKEN

The problem should be solved using the variable portions of the
message along with PRs at the appropriate address.

5. REFERENCES

PR-1C952 CINIT - Common Initialization

ALM=3 PRI=3 CHL=MTC,MTR

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OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C514

1. OUTPUT MESSAGE FORMAT

tt REPT XSLERR code noc grp mbr abcd ten

2. EXPLANATION OF MESSAGE

This message is generated every 30 seconds if the Translation Error Block is full.

3. EXPLANATION OF VARIABLE FIELD

code	translation error code
noc	normalized office code
grp	group number
mbr	member number
abcd	station number
ten	ten in octal

Each field does not contain useful data for each error code. See the example at the end of this section. The possible translation error codes and there associated fields are:

- 1 GRPX indicated that a group number between 128 and 255 is not a trunk group in AUDB.
grp contains the group number for the call to GRPX.
- 2 STATUS_A could not find the selection status block for a trunk or service circuit group.
grp contains the group number for the call to STATUS_A.
- 3 IDLECKT could not idle the status bit of the SPN obtained from the group and member numbers in AUDB.
grp contains the group number and
mbr contains the member number.
- 11 LINEx in XSLSUB DID not receive a line TEN.
ten contains the terminal equipment number for the call to one of the LINEx subroutines.

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- 12 GRPX could not translate the group number
in TRUNKS.
grp contains the group number for the
call to GRPX.
- 13 MBRSEL could not select the member indicated
for the group in TRUNKS.
grp contains the group number and
mbr contains the member number for the
call to MBRSEL.
- 21 MBR_LIST or STATUS_G could not translate the
group number in TRSUBS.
grp contains the group number for the
call to MBR_LIST or STATUS_G.
- 22 TSV_TST could not translate the group number
in TRSUBS.
grp contains the group number for the
call to TSV_TST.
- 23 STATUS_G could not translate the group number
in TRSUBS.
grp contains the group number for the
call to STATUS_G.
- 24 MESREG could not translate the originating
line data (LNDATA,PBXDAT,GENTRY3,EXPAND,
UPK_DN) in NRTRAF.
noc contains the NOC for the line and
abcd contains the station number of
the line for MESREG.
- 25 MESREG could not translate the terminating
line data (TXLNPC).
noc contains the NOC for the line and
abcd contains the station number of
the line for MESREG.

EXAMPLE: Suppose the following message was printed out:

REPT XSLERR 25 7 99 153 9963 114543

From the explanations above, the relevant fields are the translation error code (25), noc (7), and the station number (9963). The group number (99), member number (153), and ten (114543) should be ignored since they have no meaning for this translation error code.

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REPT XSLERR

REPT XSLERR

4. ACTION TO BE TAKEN

Verify the translations involved and check the program indicated for the proper input to the subroutine or program indicated.

5. REFERENCES

PR-3H008-02 TRAFIC - Traffic and Plant Measurements

ALM=0 CHL=MTC,MTR

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OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C517

1. OUTPUT MESSAGE FORMAT

* tt RMV ALNK a bcd e
Mtt RMV ALNK a bcd e

2. EXPLANATION OF MESSAGE

Used to report the ReMoVal of a network A-LiNK (1st stage link) from service or the failure of a removal request.

3. EXPLANATION OF VARIABLE FIELD

a is the CONCENTRATOR GROUP (1-15) of the link

b is the CONCENTRATOR (0-1) of the link

c is the OUTPUT SWITCH NUMBER (0-7) of the link

d is the OUTPUT SWITCH LEVEL (0-7) of the link

e REMOVAL REASON OR FAILURE REASON

blank

The A-LINK was removed from service by a TTY input request.

EA CONT

The Error Analysis routine suspected the A-LINK of being faulty because it was involved in several CONTINUITY FAILURES.

EA RC

The Error Analysis routine suspected the A-LINK of being faulty because it was involved in several RINGING CONTINUITY FAILURES.

EA FCG

The Error Analysis routine suspected the A-LINK of being faulty because it was involved in several FALSE CROSS AND GROUND FAILURES.

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RMV ALNK

RMV ALNK

EA NWC

The Error Analysis routine suspected the A-LINK of being faulty because it was involved in several NETWORK CONTROLLER ERRORS.

QC e1 e2 e3

The Quick-Check routine suspected the A-LINK of being faulty because it was involved in 3 consecutive errors identified by e1, e2, and e3.

NOT START OOS LIMIT

1/8 of the A-LINKs in this group or 2 A-links on the same input switch have already been removed from service. if this A-LINK is to be removed, the request must be repeated specifying an unconditional removal.

STOPPED BSY

The A-LINK remained busy for 5 minutes since the request was received to remove it from service. The request has been aborted. If the A-LINK should be removed, repeat the request.

STOPPED LIST FULL

The link out-of-service list is full. the request for removal has been aborted. If the A-LINK should be removed, repeat the request later.

4. ACTION TO BE TAKEN

Repair the faulty A-link.

5. REFERENCES

PR-3H256 TSVEA

Trunk, Line, Service Circuit and Network Line
Error Analysis

PR-3H257 TSVREQ

Trunk, Line, Service, Circuit and Network Link
TTY Message Handler

ALM=2 CHL=MTC,MTR

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OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C519

RMV BLNK

RMV BLNK

1. OUTPUT MESSAGE FORMAT

* tt RMV BLNK a b c
M tt RMV BLNK a b c

2. EXPLANATION OF MESSAGE

Used to report the ReMoVal of a network wire B-LiNK (2nd stage link) from service or the failure of a removal request.

3. EXPLANATION OF VARIABLE FIELD

a is the CONCENTRATOR GROUP (1-15) of the link

b is the JUNCTOR SWITCH NUMBER (0-31) of the link

c REMOVAL REASON OR FAILURE REASON

blank

The B-LINK was removed from service by a TTY input request.

EA CONT

The Error Analysis routine suspected the B-LINK of being faulty because it was involved in several CONTINUITY FAILURES.

EA RC

The Error Analysis routine suspected the B-LINK of being faulty because it was involved in several RINGING CONTINUITY FAILURES.

EA FCG

The Error Analysis routine suspected the B-LINK of being faulty because it was involved in several FALSE CROSS AND GROUND FAILURES.

EA NWC

The Error Analysis routine suspected the B-LINK of

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RMV BLNK

RMV BLNK

being faulty because it was involved in several
NETWORK CONTROLLER ERRORS.

NOT START OOS LIMIT

1/8 of the B-LINKs in this group have already been removed from service. if this B-LINK is to be removed, the request must be repeated specifying an unconditional removal.

STOPPED BSY

The B-LINK remained busy for 5 minutes since the request was received to remove it from service. The request has been aborted. If the B-LINK should be removed, repeat the request.

STOPPED LIST FULL

The link out-of-service list is full. the request for removal has been aborted. If the B-LINK should be removed, repeat the request later.

4. ACTION TO BE TAKEN

Repair the faulty wire B-link.

5. REFERENCES

PR-3H256 TSVEA
Trunk, Line, Service Circuit and Network Line
Error Analysis
PR-3H257 TSVREQ
Trunk, Line, Service, Circuit and Network Link
TTY Message Handler

ALM=2 CHL=MTC,MTR

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OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C521

1. OUTPUT MESSAGE FORMAT

tt RMV CU a b

2. EXPLANATION OF MESSAGE

The control unit has been automatically removed from service. The system has been placed in the OFF-LINE OUT-OF-SERVICE AUTOMATIC FAULT state. This means that the removed CU has been found to contain a fault. This will prevent any normal switches of the system. Emergency switches will still occur.

3. EXPLANATION OF VARIABLE FIELD

a = 0 or 1, the number of the removed CU
b = code indicating the reason for removal
 1 - CU diagnostics or the off-line sanity test failed
 2 - A MAS fault was detected by something other than 1

4. ACTION TO BE TAKEN

Attempt to isolate and repair the fault. CU diagnostics and the trouble locating manual (TLM) are available for this function.

5. REFERENCES

PR-1C950 CBLM - Common Base Level Monitor
TLM-1C900 3A Processor Trouble Locating Manual

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

M tt RMV FUSE r

2. EXPLANATION OF MESSAGE

Used to report the ReMoVal of all circuits associated with the same FUSE pair (talk and signal) from service or the failure of such a removal request.

3. EXPLANATION OF VARIABLE FIELD

r COMPLETION REPORT

COMPL

The requested removal has been successfully completed.

STOPPED BSY

One or more circuits remained busy for 5 minutes during the removal process. Repeat the request to try again.

NOT START

A similar request is now active. Wait until its completion and then repeat the request.

ABT

An abort request was received. The requested REMOVAL has been aborted.

4. ACTION TO BE TAKEN

Repair the faulty circuits.

5. REFERENCES

SEE PROPRIETARY NOTICE ON COVER PAGE

RMV FUSE

RMV FUSE

PR-3H319 TSVNR
Trunk, Line & Service Circuit Nonresident Routines
PR-3H257 TSVREQ
Trunk, Line, Service, Circuit and Network Link
TTY Message Handler

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C524

1. OUTPUT MESSAGE FORMAT

tt RMV GRID a ISW bc f
RMV GRID a OSW d f
RMV GRID a JSW e f

2. EXPLANATION OF MESSAGE

Used to report the ReMoVal of a network GRID from service or failure of the removal request.

3. EXPLANATION OF VARIABLE FIELD

a - is the CONCENTRATOR GROUP (1-15) of the grid.

ISW - Identifies this as a first stage (15A) grid.
The line/trunk/service-circuit of each terminal equipment number associated with this grid was removed from service.

OSW - Identifies this as a second stage (15B) grid.
The wire B-links and junctor circuit B-links associated with this grid were removed from service.

JSW - Identifies this as a third stage (15C) grid.
The junctor circuit B-links associated with this grid were removed from service.

b - is the CONCENTRATOR (0-1) of the grid.

c - is the SWITCH GROUP (0-2) of the grid.

d - is the OUTPUT SWITCH NUMBER (0-7) of the grid.

e - is the JUNCTOR SWITCH NUMBER (0-31) of the grid.

f - ACTION TAKEN:

ABT - An abort request was received, or a call to error has been made. The requested rtype has been aborted.

ABT REQ INVD - An error was found in the input message (check message). The requested rtype has been aborted.

COMPL - Used to report the grid was removed from service by a TTY input request.

NOT START - Request was NOT STARTed. One request is already

SEE PROPRIETARY NOTICE ON COVER PAGE

RMV GRID

RMV GRID

in progress, so wait for completion and try again.

STOPPED BUSY - Used to report one or more busy lines, trunks, service circuits, B-links, or junctors.
The request was stopped. If grid should be removed, repeat the request later.

STOPPED LIST FULL - The wire B-link out-of-service LIST is full. The request for removal has been aborted.
Check LINK out-of-service list and repeat request later if grid should be removed.
(See input message OP:NW).

4. ACTION TO BE TAKEN

Replace the faulty GRID.

CAUTION: Scanner row connector must be removed first on a 15A (first stage) network grid.

5. REFERENCES

PR-3H321-03 GRDUTL

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C526

RMV INT

RMV INT

1. OUTPUT MESSAGE FORMAT

tt RMV INT n

2. EXPLANATION OF MESSAGE

This message reports that 30 interrupts have occurred during 1 base level scan. The number of the last interrupt is identified, the theory being that this is the one that is stuck and causing the excessive amount of interrupts. As a result of this message, the indicated interrupt is blocked from happening again by being set to 1 in the interrupt mask register (IM).

3. EXPLANATION OF VARIABLE FIELD

n this is the number of the suspected stuck interrupt

4. ACTION TO BE TAKEN

try to determine the reason for the stuck interrupt

5. REFERENCES

PR-1C956 CSYSUB

ALM=* CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C527

RMV JC

RMV JC

1. OUTPUT MESSAGE FORMAT

* tt RMV JC a b c
Mtt RMV JC a b c

2. EXPLANATION OF MESSAGE

Used to report the ReMoVal of a network Junctor Circuit B-link (2nd stage link) from service or the failure of a removal request.

3. EXPLANATION OF VARIABLE FIELD

a is the CONCENTRATOR GROUP (1-15) of the link

b is the JUNCTOR SWITCH NUMBER (0-31) of the link

c REMOVAL REASON OR FAILURE REASON

blank

The JUNCTOR was removed from service by a TTY input request.

EA CONT

The Error Analysis routine suspected the JUNCTOR of being faulty because it was involved in several CONTINUITY FAILURES.

EA RC

The Error Analysis routine suspected the JUNCTOR of being faulty because it was involved in several RINGING CONTINUITY FAILURES.

EA FCG

The Error Analysis routine suspected the JUNCTOR of being faulty because it was involved in several FALSE CROSS AND GROUND FAILURES.

EA NWC

SEE PROPRIETARY NOTICE ON COVER PAGE

RMV JC

RMV JC

The Error Analysis routine suspected the JUNCTOR of being faulty because it was involved in several NETWORK CONTROLLER ERRORS.

QC e1 e2 e3

The Quick-Check routine suspected the JUNCTOR of being faulty because it was involved in 3 consecutive errors identified by e1, e2, and e3.

DGN

The circuit was removed from service after failing routine DiaGNostics.

NOT START OOS LIMIT

1/8 of the JUNCTORS in this group have already been removed from service. if this JUNCTOR is to be removed, the request must be repeated specifying an unconditional removal.

STOPPED BSY

The JUNCTOR remained busy for 5 minutes since the request was received to remove it from service. The request has been aborted. If the JUNCTOR should be removed, repeat the request.

4. ACTION TO BE TAKEN

Repair the faulty junctor circuit B-link.

5. REFERENCES

PR-3H256 TSVEA
Trunk, Line, Service Circuit and Network Line
Error Analysis
PR-3H257 TSVREQ
Trunk, Line, Service, Circuit and Network Link
TTY Message Handler

ALM=2 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C529

RMV LINE

RMV LINE

1. OUTPUT MESSAGE FORMAT

* tt RMV LINE a bcde TN f g h
Mtt RMV LINE a bcde TN f g h

2. EXPLANATION OF MESSAGE

Used to report the ReMoVal of a LINE from service or the failure of a removal request.

3. EXPLANATION OF VARIABLE FIELD

a bcde is the TERMINAL EQUIPMENT NUMBER of the line
a - concentrator group (1-15)
b - concentrator (0-1)
c - switch group (0-2)
d - switch (0-7)
e - level (0-7)

f g is the TELEPHONE NUMBER of the line
(preceded by a + for a multi-party line)

h REMOVAL REASON OR FAILURE REASON

blank

The LINE was removed from service by a TTY input request.

PX

The line experienced a POWER CROSS failure. Be careful, the line may have a high ac or dc voltage on it.

RXG

The line experienced a RING CROSS TO GROUND failure. It is placed on the High and Dry List to prevent its scan point from being destroyed. The line will automatically be restored to service when the faulty condition is cleared.

PLUGUP

SEE PROPRIETARY NOTICE ON COVER PAGE

RMV LINE

RMV LINE

In addition to being removed from service, the line is also on the plug-up list which causes terminating calls to be routed to intercept rather than receiving busy tone.

PLUGUP STOPPED LIST FULL

The plug-up list is full. If the line should be plugged-up, repeat the request later.

STOPPED BSY

The LINE remained busy for 5 minutes since the request was received to remove it from service. The request has been aborted. If the LINE should be removed, repeat the request.

UNAS

An UNASsigned terminal went off-hook. The terminal is removed from service to prevent further problems. Check if this is the result of an error in translations.

4. ACTION TO BE TAKEN

Repair the faulty line.

5. REFERENCES

PR-3H256 TSVEA
Trunk, Line, Service Circuit and Network Line
Error Analysis
PR-3H257 TSVREQ
Trunk, Line, Service, Circuit and Network Link
TTY Message Handler
PR-3H258 TSVSUB
Maintenance Subroutines for Replicated Circuits
and Lines

ALM=2 CHL=MTC,MTR,RSB

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C531

1. OUTPUT MESSAGE FORMAT

M tt RMV NWC cs ff
** tt RMV NWC cs ff

2. EXPLANATION OF MESSAGE

Used to report the removal of a NetWork Controller (NWC) from service due to a Manual request or a failure.

The NWC is placed in the out of service state and the NWC lamp on the system status panel is turned on. If the removal is due to a failure a SYC switch is performed and a major alarm is sounded.

3. EXPLANATION OF VARIABLE FIELD

c - the Peripheral Control Frame on which the NWC is located,

s - the System Control on which the NWC is located,

ff - is a code indicating why the removal occurred.

ff CODES

00000 = Manual removal via the RMV:NWC cs! request.

10000 = no working state found for the NWC - detected during a SYC switch.

10001 = no reply from the NWC - detected during a SYC switch.

30000 = no working state found for the NWC - detected during call processing.

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RMV NWC

RMV NWC

30001 = no reply from the NWC - detected during call processing.

30002 = the retry of a NWC order failed - detected during call processing.

30003 = excessive transient errors for the NWC.

30007 = the NWC failed while its mate was out of service.

70004 = the NWC failed routine diagnostics.

4. ACTION TO BE TAKEN

Diagnose and repair the NWC.

5. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY
PR-3H266-03 DCON - DIAGNOSTIC CONTROL PROGRAM

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C533

1. OUTPUT MESSAGE FORMAT

tt RMV OW ww

2. EXPLANATION OF MESSAGE

Response to a RMV:OW input message.

3. EXPLANATION OF VARIABLE FIELD

ww = COMPL - The removal has completed.
ww = STOPPED - The removal has failed. The failure occurred
for one of the following reasons:
- The overwrite status is active or already dead
(removed).
- The overwrite does not exist in the overwrite
file.
- The tape handler could not open the PATCH file.
- The tape handler could not service the current
tape operation.

4. ACTION TO BE TAKEN

If tape error messages preceded the STOPPED response, they should be consulted first to identify the particular tape trouble. Otherwise, verify the overwrite number and status to determine the reason for failure.

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

M tt RMV PDG r

2. EXPLANATION OF MESSAGE

Used to report the ReMoVal of all circuits associated with the same Peripheral Decoder Group from service or the failure of such a removal request.

3. EXPLANATION OF VARIABLE FIELDr COMPLETION REPORT

COMPL

The requested removal has been successfully completed.

STOPPED BSY

One or more circuits remained busy for 5 minutes during the removal process. Repeat the request to try again.

NOT START

A similar request is now active. Wait until its completion and then repeat the request.

ABT

An abort request was received. The requested REMOVAL has been aborted.

4. ACTION TO BE TAKEN

Repair the faulty circuits.

5. REFERENCES

SEE PROPRIETARY NOTICE ON COVER PAGE

RMV PDG

RMV PDG

PR-3H319 TSVNR
Trunk, Line & Service Circuit Nonresident Routines
PR-3H257 TSVREQ
Trunk, Line, Service, Circuit and Network Link
TTY Message Handler

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C536

1. OUTPUT MESSAGE FORMAT

M tt RMV PPD cs ff
** tt RMV PPD cs ff

2. EXPLANATION OF MESSAGE

Used to report the ReMoVal of a Peripheral Pulse Distributor (PPD) from service due to a Manual request or a failure.

The PPD is placed in the out of service state and the PPD lamp on the system status panel is turned on. If the removal is due to a failure a SYNC switch is performed and a major alarm is sounded.

3. EXPLANATION OF VARIABLE FIELD

c - the Peripheral Control Frame on which the PPD is located,

s - the System Control on which the PPD is located,

ff - is a code indicating why the removal occurred.

ff CODES

00000 = Manual removal via the RMV:PPD cs! request.

10000 = no working state found for the PPD - detected during a SYNC switch.

10001 = no reply from the PPD - detected during a SYNC switch.

30000 = no working state found for the PPD - detected during call processing.

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RMV PPD

RMV PPD

30001 = no reply from the PPD - detected during call processing.

30002 = the retry of a PPD order failed - detected during call processing.

30003 = excessive transient errors for the PPD.

30007 = the PPD failed while its mate was out of service.

70004 = the PPD failed routine diagnostics.

4. ACTION TO BE TAKEN

Diagnose and repair the PPD.

5. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY
PR-3H266-03 DCON - DIAGNOSTIC CONTROL PROGRAM

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C538

1. OUTPUT MESSAGE FORMAT

M tt RMV PWR PCF cs
** tt RMV PWR PCF cs

2. EXPLANATION OF MESSAGE

Used to indicate that the Peripheral control Frame PoWeR has been ReMoVed.

Power can be removed either by a craftsperson using the keys on the frame or by a major power failure.

POWER REMOVAL CAUSED BY A CRAFTPERSON USING THE FRAME KEYS

A craftsperson can remove power on the frame using two methods:

1.) If the frame OOS lamp is on he may depress the power OFF key and power will be Manually turned off. This will not sound any alarms. The PCF will be placed in the unavailable state and the SC, NWC and the PPD lamps will be turned on. (The frame OOS lamp is turned on whenever at least one peripheral controller on that PCF is marked out of service.)

2.) By depressing the REQ and OFF keys simultaneously he can turn the power off. This action should be performed using extreme CAUTION and only in emergency situations because if a problem exists in the CC on the other SYC this action will kill the system. A major alarm will be sounded, the PCF will be placed in the unavailable state. A SYC switch will be performed (if possible) if this PCF is on the active SYC.

MAJOR POWER FAILURE

A major power failure can also remove power on a peripheral control frame. This will also sound a major alarm, the PCF will be placed in the unavailable state. A SYC switch will be performed (if possible) if this PCF is on the active SYC.

SEE PROPRIETARY NOTICE ON COVER PAGE

3. EXPLANATION OF VARIABLE FIELD

c - specifies which Peripheral Control Frame power was removed from.

s - specifies which System Control the Peripheral Control Frame is on.

4. ACTION TO BE TAKEN

Restore the power when appropriate.

5. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

RMV PWR RT

RMV PWR RT

1. OUTPUT MESSAGE FORMAT

M tt RMV PWR RT p
** tt RMV PWR RT p

2. EXPLANATION OF MESSAGE

Used to indicate that the Ringing and Tone plant PoWeR has been manually ReMoVed via the manual off key on the frame.

The RT is placed in the unavailable state and the RT lamp on the system status panel is turned on.

If the RT was not previously in the out of service state a major alarm is sounded. If the RT was active a switch to the other RT will be performed.

3. EXPLANATION OF VARIABLE FIELD

p - specifies which Ringing and Tone Plant power has been removed on.

4. ACTION TO BE TAKEN

Restore power on the RT when appropriate.

5. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C541

1. OUTPUT MESSAGE FORMAT

M tt RMV RT p ff
** tt RMV RT p ff

2. EXPLANATION OF MESSAGE

Used to report the ReMoVal of a Ringing and Tone plant (RT) from service due to a Manual request or a failure.

The RT is placed in the out of service state and the RT lamp on the system status panel is turned on. If the removal is due to a failure a RT switch may be performed and a major alarm is sounded. If the mate RT is also marked out of service a critical alarm is sounded.

3. EXPLANATION OF VARIABLE FIELD

p - indicates the ringing and tone plant that was removed.

ff - this octal value represents a binary field which indicates why the removal occurred. Ones in the field indicate the reason or reasons for removal.

BIT POSITION - CAUSE OF THE REMOVAL

0 - Manually forced off.

1 - fuse alarm.

2 - inverter failure.

3 - touch tone low voltage.

4 - low tone low voltage.

SEE PROPRIETARY NOTICE ON COVER PAGE

- 5 - audible ring low voltage.
- 6 - high tone low voltage.
- 7 - call waiting low voltage.
- 8 - ground.
- 9 - +48v converter.
- 10 - +48v converter.
- 11 - +48v converter.
- 12 - interrupter failure.
- 13 - bus transfer to the network.
- 14 - the RT failed routine diagnostics.

4. ACTION TO BE TAKEN

Diagnose and repair the RT.

5. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY
PR-3H266-03 DCON - DIAGNOSTIC CONTROL PROGRAM

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

M tt RMV SC cs ff
** tt RMV SC cs ff

2. EXPLANATION OF MESSAGE

Used to report the ReMoVal of a Scanner Controller (SC) from service due to a Manual request or a failure.

The SC is placed in the out of service state and the SC lamp on the system status panel is turned on. If the removal is due to a failure a SYC switch is performed and a major alarm is sounded.

3. EXPLANATION OF VARIABLE FIELD

c - the Peripheral Control Frame on which the SC is located.

s - the System Control on which the SC is located,

ff - is a code indicating why the removal occurred.

ff CODES

00000 = Manual removal via the RMV:SC cs! request.

10000 = no working state found for the SC - detected during a SYC switch. this code is also used when on initialization occurs which removes all of the peripheral controllers on the offline SYC.

10001 = no reply from the SC - detected during a SYC switch.

30000 = no working state found for the SC - detected during

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RMV SC

RMV SC

call processing.

30001 = no reply from the SC - detected during call processing.

30002 = the retry of a SC order failed - detected during call processing.

30003 = excessive transient errors for the SC.

30007 = the SC failed while its mate was out of service.

70004 = the SC failed routine diagnostics.

4. ACTION TO BE TAKEN

Diagnose and repair the SC.

5. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY
PR-3H266-03 DCON - DIAGNOSTIC CONTROL PROGRAM

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C545

1. OUTPUT MESSAGE FORMAT

* tt RMV SVC a b c d
Mtt RMV SVC a b c d

2. EXPLANATION OF MESSAGE

Used to report the ReMoVal of a SerVice Circuit from service or the failure of a removal request.

3. EXPLANATION OF VARIABLE FIELD

a is the GROUP NUMBER (64-127) of the service circuit

b is the MEMBER NUMBER (0-127) of the service circuit

c REMOVAL STATE OR FAILURE REASON

LKO

The SERVICE CIRCUIT is in the LOCKED-OUT out-of-service state and is suspected of being faulty. It is not selected by call processing programs to perform its normal call handling functions.

NOT START OOS LIMIT

1/8 of the SERVICE CIRCUITS in this group have already been removed from service or the group only has one member. if this SERVICE CIRCUIT is to be removed, the request must be repeated specifying an unconditional removal.

STOPPED BSY

The SERVICE CIRCUIT remained busy for 5 minutes since the request was received to remove it from service. The request has been aborted. If the SERVICE CIRCUIT should be removed, repeat the request.

d REMOVAL REASON

blank

SEE PROPRIETARY NOTICE ON COVER PAGE

The SERVICE CIRCUIT was removed from service by a TTY input request.

EA CONT

The Error Analysis routine suspected the SERVICE CIRCUIT of being faulty because it was involved in several CONTINUITY FAILURES.

EA RC

The Error Analysis routine suspected the SERVICE CIRCUIT of being faulty because it was involved in several RINGING CONTINUITY FAILURES.

EA NWC

The Error Analysis routine suspected the SERVICE CIRCUIT of being faulty because it was involved in several NETWORK CONTROLLER ERRORS.

EA LLR

The Error Analysis routine suspected the SERVICE CIRCUIT of being faulty because it was involved in several LOW LEAKAGE RESISTANCE FAILURES.

EA TTR

The Error Analysis routine suspected the SERVICE CIRCUIT of being faulty because it was involved in several TOUCH-TONE RECEIVER ERRORS.

EA MFR

The Error Analysis routine suspected the SERVICE CIRCUIT of being faulty because it was involved in several MF RECEIVER ERRORS.

EA PST

The Error Analysis routine suspected the SERVICE CIRCUIT of being faulty because it was involved in several PERMANENT SIGNAL TIMEOUT FAILURES.

EA PDT

The Error Analysis routine suspected the SERVICE CIRCUIT of being faulty because it was involved in several PARTIAL DIAL TIMEOUT FAILURES.

SEE PROPRIETARY NOTICE ON COVER PAGE

RMV SVC

RMV SVC

EA MFT

The Error Analysis routine suspected the SERVICE CIRCUIT of being faulty because it was involved in several MF TRANSMITTER ERRORS.

EA NSD

The Error Analysis routine suspected the SERVICE CIRCUIT of being faulty because it was involved in several NO START DIAL FAILURES.

EA NCC

The Error Analysis routine suspected the SERVICE CIRCUIT of being faulty because it was involved in several NO-COIN CONTROL FAILURES.

EA SCC

The Error Analysis routine suspected the SERVICE CIRCUIT of being faulty because it was involved in several STUCK-COIN CONTROL FAILURES.

QC e1 e2 e3

The Quick-Check routine suspected the SERVICE CIRCUIT of being faulty because it was involved in 3 consecutive errors identified by e1, e2, and e3.

DGN

The circuit was removed from service after failing routine DiaGNostics.

4. ACTION TO BE TAKEN

Repair the faulty service circuit.

5. REFERENCES

PR-3H256 TSVEA

Trunk, Line, Service Circuit and Network Line
Error Analysis

SEE PROPRIETARY NOTICE ON COVER PAGE

RMV SVC

RMV SVC

PR-3H257 TSVREQ
Trunk, Line, Service, Circuit and Network Link
TTY Message Handler
PR-3H258 TSVSUB
Maintenance Subroutines for Replicated Circuits
and Lines

ALM=2 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C549

1. OUTPUT MESSAGE FORMAT

* tt RMV TRK a b c d
Mtt RMV TRK a b c d

2. EXPLANATION OF MESSAGE

Used to report the ReMoVal of a TRunK from service or the failure of a removal request.

3. EXPLANATION OF VARIABLE FIELD

a is the GROUP NUMBER (128-255) of the trunk

b is the MEMBER NUMBER (0-127) of the trunk

c REMOVAL STATE OR FAILURE REASON

LKO

The TRUNK is in the LOCKED-OUT out-of-service state and is suspected of being faulty. It is not selected by call processing programs to perform its normal call handling functions. Two-way or incoming trunks in the LOCKED-OUT state will accept incoming calls.

DSA

The trunk is in the DISABLED out-of-service state and is suspected of being faulty. It is not selected by call processing programs to perform its normal call handling functions and, in addition, all supervision is ignored. Thus, no incoming calls will be accepted on this trunk.

HAW

The TRUNK is in the HIGH AND WET out-of-service state and may be faulty. It is not being used to perform its normal call handling functions while the permanent signal condition exists. If the TRUNK returns to an on-hook state, it will be automatically placed back in the in-service idle state.

SEE PROPRIETARY NOTICE ON COVER PAGE

RMV TRK

RMV TRK

NOT START OOS LIMIT

1/8 of the TRUNKs in this group have already been removed from service or the group only has one member. if this TRUNK is to be removed, the request must be repeated specifying an unconditional removal.

STOPPED BSY

The TRUNK remained busy for 5 minutes since the request was received to remove it from service. The request has been aborted. If the TRUNK should be removed, repeat the request.

d REMOVAL REASON

blank

The TRUNK was removed from service by a TTY input request.

EA CONT

The Error Analysis routine suspected the TRUNK of being faulty because it was involved in several CONTINUITY FAILURES.

EA NWC

The Error Analysis routine suspected the TRUNK of being faulty because it was involved in several NETWORK CONTROLLER ERRORS.

EA MFR

The Error Analysis routine suspected the TRUNK of being faulty because it was involved in several MF RECEIVER ERRORS.

EA FTO

The Error Analysis routine suspected the TRUNK of being faulty because it was involved in several FALSE TRUNK ORIGINATION ERRORS.

EA NSD

The Error Analysis routine suspected the TRUNK of being faulty because it was involved in several NO START DIAL FAILURES.

SEE PROPRIETARY NOTICE ON COVER PAGE

RMV TRK

RMV TRK

EA EDP

The Error Analysis routine suspected the TRUNK of being faulty because it was involved in several EXCESSIVE DIAL PULSES ERRORS.

EA ANIS

The Error Analysis routine suspected the TRUNK of being faulty because it was involved in several ANI START FAILURES.

QC e1 e2 e3

The Quick-Check routine suspected the TRUNK of being faulty because it was involved in 3 consecutive errors identified by e1, e2, and e3.

DGN

The circuit was removed from service after failing routine DiaGNostics.

LKO-HAW

The trunk was locked-out and then became high and wet. to prevent further problems, the trunk is placed in the disabled state.

4. ACTION TO BE TAKEN

Repair the faulty trunk.

5. REFERENCES

PR-3H256 TSVEA

Trunk, Line, Service Circuit and Network Line
Error Analysis

PR-3H257 TSVREQ

Trunk, Line, Service, Circuit and Network Link
TTY Message Handler

PR-3H258 TSVSUB

Maintenance Subroutines for Replicated Circuits
and Lines

ALM=2 CHL=MTC,MTR,SO

SEE PROPRIETARY NOTICE ON COVER PAGE

RMV TRK

RMV TRK

1. OUTPUT MESSAGE FORMAT

tt RMV TRK a b ROTL LKO

2. EXPLANATION OF MESSAGE

Used to report the ReMoVal of a TRunk from service by the Remote Office Test LINE (ROTL) for testing.

3. EXPLANATION OF VARIABLE FIELD

a is the GROUP NUMBER (128,255) of the trunk.

b is the MEMBER NUMBER (0-127) of the trunk.

ROTL LKO indicates the trunk has been removed from service by the ROTL and placed in the LOCK-OUT out-of-service state.

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-3H256 TSVEA
Trunk, Line, Service Circuit and Network Line
Error Analysis
PR-3H257 TSVREQ
Trunk, Line, Service, Circuit and Network Link
TTY Message Handler
PR-3H258 TSVSUB
Maintenance Subroutines for Replicated Circuits
and Lines
PR-3H201 ROTLC
ROTL Communications Handler
PR-3H202 ROTLT
ROTL Trunk Test Handler

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C553

1. OUTPUT MESSAGE FORMAT

```
* tt RMV TV t r
  Mtt RMV TV t r
```

2. EXPLANATION OF MESSAGE

Used to report the ReMoVal of a network Test Vertical link from service or the failure of a removal request.

3. EXPLANATION OF VARIABLE FIELD

t is the TEST VERTICAL TYPE

```
TC n    ==> test vertical test circuit
TM m    ==> test vertical test multiple
JC g    ==> junctor test vertical
BLNK g  ==> wire test vertical
```

n is the TV TC (Test Vertical Test Circuit)

```
where 0 ==> wire TV TC, low concentrator groups
      1 ==> junctor TV TC, low concentrator groups
      2 ==> wire TV TC, high concentrator groups
      3 ==> junctor TV TC, high concentrator groups
```

m is the TV TM (Test Vertical Test Multiple)

```
where 0 ==> wire TV TM, even concentrator groups
      1 ==> wire TV TM, odd concentrator groups
      2 ==> junctor TV TM, even concentrator groups
      3 ==> junctor TV TM, odd concentrator groups
```

g is the CONCENTRATOR GROUP (1-15) of the link

r REMOVAL REASON OR FAILURE REASON

blank

The TEST VERTICAL was removed from service by a TTY input request.

PX

The test vertical test circuit is suspected of being faulty because it reports POWER CROSS failures even when not connected to a line.

SEE PROPRIETARY NOTICE ON COVER PAGE

QC e1 e2 e3

The Quick-Check routine suspected the test vertical test circuit of being faulty because it reported 3 consecutive restore verify failures (RVF) or 3 consecutive false cross and ground failures (FCG) identified by e1, e2, and e3.

DGN

The circuit was removed from service after failing routine DiaGNostics.

NOT START OOS LIMIT

Test verticals of this type have already reached their out-of-service limit. If this test vertical is to be removed, the request must be repeated specifying an unconditional removal.

4. ACTION TO BE TAKEN

Repair the faulty test vertical.

5. REFERENCES

PR-3H256 TSVEA
Trunk, Line, Service Circuit and Network Line
Error Analysis
PR-3H319 TSVNR
Trunk, Line & Service Circuit Nonresident Routines
PR-3H258 TSVSUB
Maintenance Subroutines for Replicated Circuits
and Lines
PR-3H256 TSVEA
Trunk, Line, Service Circuit and Network Line
Error Analysis
PR-3H319 TSVNR
Trunk, Line & Service Circuit Nonresident Routines

ALM=2 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

RST ALNK

RST ALNK

1. OUTPUT MESSAGE FORMAT

M tt RST ALNK a bcd

2. EXPLANATION OF MESSAGE

Used to report the ReSToral of a network A-LiNK (1st stage link) to service by a TTY input request.

3. EXPLANATION OF VARIABLE FIELD

- a is the CONCENTRATOR GROUP (1-15) of the link
- b is the CONCENTRATOR (0-1) of the link
- c is the OUTPUT SWITCH NUMBER (0-7) of the link
- d is the OUTPUT SWITCH LEVEL (0-7) of the link

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-3H257 TSVREQ
Trunk, Line, Service, Circuit and Network Link
TTY Message Handler

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

RST AMA BACK

RST AMA BACK

1. OUTPUT MESSAGE FORMAT

tt RST AMA BACK UP LINK

2. EXPLANATION OF MESSAGE

The AMA back-up link has been restored to service.

3. ACTION TO BE TAKEN

None.

4. REFERENCES

PR-3H262-02 DATADM - DATA ADMINISTRATION PROGRAM

ALM=0 CHL=MTC,MTC

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

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OM-3H300-03-C557

RST AMA PRIMARY

RST AMA PRIMARY

1. OUTPUT MESSAGE FORMAT

tt RST AMA PRIMARY LINK

2. EXPLANATION OF MESSAGE

The AMA primary link has been restored to service.

3. ACTION TO BE TAKEN

None.

4. REFERENCES

PR-3H262-02 DATADM - DATA ADMINISTRATION PROGRAM

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

RST BLNK

RST BLNK

1. OUTPUT MESSAGE FORMAT

M tt RST BLNK a b

2. EXPLANATION OF MESSAGE

Used to report the ReSToral of a network wire B-LiNK (2nd stage link) to service by a TTY input request.

3. EXPLANATION OF VARIABLE FIELD

a is the CONCENTRATOR GROUP (1-15) of the link

b is the JUNCTOR SWITCH NUMBER (0-31) of the link

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-3H257 TSVREQ
Trunk, Line, Service, Circuit and Network Link
TTY Message Handler

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C559

RST CU COMPL

RST CU COMPL

1. OUTPUT MESSAGE FORMAT

tt RST CU COMPL
RST CU STOPPED

2. EXPLANATION OF MESSAGE

Response to a RST:CU input message. The restoral has either been completed (COMPL) or stopped (STOPPED) due to the failure of CU diagnostics.

3. EXPLANATION OF VARIABLE FIELD

None

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-1C950 CBLM - Common Base Level Monitor

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

RST FUSE

RST FUSE

1. OUTPUT MESSAGE FORMAT

M tt RST FUSE r

2. EXPLANATION OF MESSAGE

Used to report the ReSToral of all circuits associated with the same FUSE pair (talk and signal) to service or the failure of such a restoral request. .

3. EXPLANATION OF VARIABLE FIELD

r COMPLETION REPORT

COMPL

The requested restoral has been successfully completed.

START

The requested restoral has been successfully started. Each circuit is diagnosed before being restored to service.

STOPPED DGN FULL

The diagnostic request buffer is full. Repeat the request later or specify an unconditional restoral.

NOT START

A similar request is now active. Wait until its completion and then repeat the request.

ABT

An abort request was received. The requested RESTORAL has been aborted.

4. ACTION TO BE TAKEN

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C561

RST FUSE

RST FUSE

none

5. REFERENCES

PR-3H319 TSVNR
Trunk, Line & Service Circuit Nonresident Routines
PR-3H257 TSVREQ
Trunk, Line, Service, Circuit and Network Link
TTY Message Handler

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C562

1. OUTPUT MESSAGE FORMAT

tt RST GRID a ISW bc f
RST GRID a OSW d f
RST GRID a JSW e f

2. EXPLANATION OF MESSAGE

Used to report ReSToral of a network GRID to service or failure of the restore request.

3. EXPLANATION OF VARIABLE FIELD

a - is the CONCENTRATOR GROUP (1-15) of the grid.

ISW - Identifies this as a first stage (15A) grid.
The line/trunk/service-circuit of each terminal equipment number associated with this grid was restored to service.

OSW - Identifies this as a second stage (15B) grid.
The wire B-links and junctor circuit B-links associated with this grid were restored to service.

JSW - Identifies this as a third stage (15C) grid.
The junctor circuit B-links associated with this grid were restored to service.

b - is the CONCENTRATOR (0-1) of the grid.

c - is the SWITCH GROUP (0-2) of the grid.

d - is the OUTPUT SWITCH NUMBER (0-7) of the grid.

e - is the JUNCTOR SWITCH NUMBER (0-31) of the grid.

f - ACTION TAKEN:

ABT - An abort request was received, or a call to error has been made. The requested rtype has been aborted.

ABT REQ INVLD - An error was found in the input message (check message). The requested rtype has been aborted.

COMPL - Used to report the grid was restored to service by a TTY input request.

NOT START - Request was NOT STARTed. One request is already

SEE PROPRIETARY NOTICE ON COVER PAGE

RST GRID

RST GRID

in progress, so wait for completion and try again.

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-3H321-03 GRDUTL

ALM=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

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OM-3H300-03-C564

RST JC

RST JC

1. OUTPUT MESSAGE FORMAT

M tt RST JC a b

2. EXPLANATION OF MESSAGE

Used to report the ReSToral of a network Junctor Circuit B-link
(2nd stage link) to service by a TTY input request.

3. EXPLANATION OF VARIABLE FIELD

a is the CONCENTRATOR GROUP (1-15) of the link

b is the JUNCTOR SWITCH NUMBER (0-31) of the link

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-3H257 TSVREQ
Trunk, Line, Service, Circuit and Network Link
TTY Message Handler

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C565

RST LINE

RST LINE

1. OUTPUT MESSAGE FORMAT

M tt RST LINE a bcde TN f g r

2. EXPLANATION OF MESSAGE

Used to report the ReStoral of a LINE to service or the failure of such a restoral request.

3. EXPLANATION OF VARIABLE FIELD

a bcde is the TERMINAL EQUIPMENT NUMBER of the line

- a - concentrator group (1-15)
- b - concentrator (0-1)
- c - switch group (0-2)
- d - switch (0-7)
- e - level (0-7)

f g is the TELEPHONE NUMBER of the line
(preceded by a + for a multi-party line)

r COMPLETION REPORT

blank

The line was restored to service by a TTY input request.

STOPPED ERR

The requested restoral has been stopped because of a peripheral error. The most likely errors are a restore verify failure or a power cross failure.

4. ACTION TO BE TAKEN

none

5. REFERENCES

SEE PROPRIETARY NOTICE ON COVER PAGE

RST LINE

RST LINE

Trunk, Line, Service, Circuit and Network Link
TTY Message Handler

ALM=4 CHL=MTC,MTR,RSB

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C567

RST NWC

RST NWC

1. OUTPUT MESSAGE FORMAT

M tt RST NWC cs COMPL

2. EXPLANATION OF MESSAGE

A Manual Network Controller (NWC) ReSToral from out of service to standby has been COMPLETED. Diagnostics were run and all tests have passed, or, a unconditional request was processed.

The NWC is marked as standby in the status table and if all the NWCs on this SYC are standby the NWC lamp on the system status panel will be turned off.

3. EXPLANATION OF VARIABLE FIELD

c - specifies the Control Frame the NWC is located on.

s - specifies the System Control the NWC is located on.

4. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

M tt RST PDG r

2. EXPLANATION OF MESSAGE

Used to report the ReSToral of all circuits associated with the same Peripheral Decoder Group to service or the failure of such a restoral request.

3. EXPLANATION OF VARIABLE FIELDr COMPLETION REPORT

COMPL

The requested restoral has been successfully completed.

START

The requested restoral has been successfully started. Each circuit is diagnosed before being restored to service.

STOPPED DGN FULL

The diagnostic request buffer is full. Repeat the request later or specify an unconditional restoral.

NOT START

A similar request is now active. Wait until its completion and then repeat the request.

ABT

An abort request was received. The requested RESTORAL has been aborted.

4. ACTION TO BE TAKEN

SEE PROPRIETARY NOTICE ON COVER PAGE

RST PDG

RST PDG

none

5. REFERENCES

PR-3H319 TSVNR
Trunk, Line & Service Circuit Nonresident Routines
PR-3H257 TSVREQ
Trunk, Line, Service, Circuit and Network Link
TTY Message Handler

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C570

1. OUTPUT MESSAGE FORMAT

M tt RST PPD cs COMPL

2. EXPLANATION OF MESSAGE

A Manual Peripheral Pulse Distributor (PPD) ReSToral from out of service to standby has been COMPLETED. Diagnostics were run and all tests have passed, or, a unconditional request was processed.

The PPD is marked as standby in the status table and if all the PPDs on this SYC are standby the PPD lamp on the system status panel will be turned off.

3. EXPLANATION OF VARIABLE FIELD

c - specifies the Control frame the PPD is located on.

s - specifies the System control the PPD is located on.

4. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

M tt RST PWR PCF cs

2. EXPLANATION OF MESSAGE

Used to report that the Peripheral Control Frame PoWeR has been Manually ReSTored.

If the peripheral control frame was in the unavailable state it is taken out of the unavailable state and the peripheral controllers on that PCF are placed in the out of service state.

3. EXPLANATION OF VARIABLE FIELD

c - indicates the Peripheral Control Frame which had its power restored.

s - indicates which System Control the Peripheral Control Frame is located on.

4. ACTION TO BE TAKEN

Restore the peripheral controllers on this PCF.

5. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

RST PWR RT

RST PWR RT

1. OUTPUT MESSAGE FORMAT

M tt RST PWR RT p

2. EXPLANATION OF MESSAGE

Used to report that a Ringing and Tone plant (RT) has had its PoWeR Manually ReStored.

The ringing and tone plant is taken out of the unavailable state and placed in the out of service state.

3. EXPLANATION OF VARIABLE FIELD

p - indicates which ringing and tone Plant has had its power restored.

4. ACTION TO BE TAKEN

Restore the RT.

5. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=4 CHL=MTC,MTR

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OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C573

RST RT

RST RT

1. OUTPUT MESSAGE FORMAT

M tt RST RT p COMPL

2. EXPLANATION OF MESSAGE

A manual Ringing and Tone plant (RT) ReSToral from out of service to standby has been COMPLETED. Diagnostics were run and all tests have passed, or an unconditional request was processed.

The RT is marked as standby in the status table and, if both RTs are standby, the RT lamp on the system status panel will be turned off.

3. EXPLANATION OF VARIABLE FIELD

p - specifies which RT has been restored.

4. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C574

RST SC

RST SC

1. OUTPUT MESSAGE FORMAT

M tt RST SC cs COMPL

2. EXPLANATION OF MESSAGE

A Manual Scanner Controller (SC) ReSToral from out of service to standby has been COMPLETED. Diagnostics were run and all tests have passed, or an unconditional request was processed.

The SC is marked as standby in the status table and if all the SCs on this SYC are standby the SC lamp on the system status panel will be turned off.

3. EXPLANATION OF VARIABLE FIELD

c - specifies the Control frame the SC is located on.

s - specifies the System control the SC is located on.

4. REFERENCES

PR-3H254-03 PURC - PERIPHERAL CONTROLLER FAULT RECOVERY

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

RST SVC

RST SVC

1. OUTPUT MESSAGE FORMAT

M tt RST SVC a b

2. EXPLANATION OF MESSAGE

Used to report the ReSToral of a SerVice Circuit to service by a TTY input request.

3. EXPLANATION OF VARIABLE FIELD

a is the GROUP NUMBER (64-127) of the service circuit

b is the MEMBER NUMBER (0-127) of the service circuit

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-3H257 TSVREQ
Trunk, Line, Service, Circuit and Network Link
TTY Message Handler

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C576

RST TRK

RST TRK

1. OUTPUT MESSAGE FORMAT

A tt RST TRK a b c
Mtt RST TRK a b c

2. EXPLANATION OF MESSAGE

Used to report the ReSToral of a TRunK to service.

3. EXPLANATION OF VARIABLE FIELD

a is the GROUP NUMBER (128-255) of the trunk

b is the MEMBER NUMBER (0-127) of the trunk

c RESTORAL REASON

blank

The trunk was restored to service by a TTY input request.

FROM HAW

The trunk was High And Wet and returned to an on-hook state. It was automatically restored to service.

ROTL

The trunk was being tested by the Remote Office Test LINE (ROTL) and has been released and restored to service.

4. ACTION TO BE TAKEN

none

5. REFERENCES

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

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OM-3H300-03-C577

RST TRK

RST TRK

PR-3H257 TSVREQ
Trunk, Line, Service, Circuit and Network Link
TTY Message Handler
PR-3H258 TSVSUB
Maintenance Subroutines for Replicated Circuits
and Lines
PR-3H201 ROTLC
ROTL Communications Handler
PR-3H202 ROTLT
ROTL Trunk Test Handler

ALM=5 CHL=MTC,MTR,SO

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C578

RST TV

RST TV

1. OUTPUT MESSAGE FORMAT

M tt RST TV t

2. EXPLANATION OF MESSAGE

Used to report the ReStoral of a network Test Vertical link to service by a TTY input request.

3. EXPLANATION OF VARIABLE FIELD

t is the TEST VERTICAL TYPE

TC n ==> test vertical test circuit
TM m ==> test vertical test multiple
JC g ==> junctor test vertical
BLNK g ==> wire test vertical

n is the TV TC (Test Vertical Test Circuit)

where 0 ==> wire TV TC, low concentrator groups
1 ==> junctor TV TC, low concentrator groups
2 ==> wire TV TC, high concentrator groups
3 ==> junctor TV TC, high concentrator groups

m is the TV TM (Test Vertical Test Multiple)

where 0 ==> wire TV TM, even concentrator groups
1 ==> wire TV TM, odd concentrator groups
2 ==> junctor TV TM, even concentrator groups
3 ==> junctor TV TM, odd concentrator groups

g is the CONCENTRATOR GROUP (1-15) of the link

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-3H319 TSVNR

Trunk, Line & Service Circuit Nonresident Routines

ALM=4 CHL=MTC,MTR

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OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C580

SCHED OFR

SCHED OFR

1. OUTPUT MESSAGE FORMAT

tt SCHED OFR
xxx

2. EXPLANATION OF MESSAGE

This message is the response to the SCHED:OFR input message.

3. EXPLANATION OF VARIABLE FIELD

xxx - is a list of the days that office records are scheduled to print, in the following format:

PCHG SUN MON TUES WED THURS FRI SAT

Where PCHG prints only if changed page printing is turned on, and then only the days scheduled would print.

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-3H138 OFR24

ALM=0 CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C581

SET CUT ABT

SET CUT ABT

1. OUTPUT MESSAGE FORMAT

M tt SET CUT ABT error ppd1-ppd2-ppd3 dd1 dd2

2. EXPLANATION OF MESSAGE

Response to a request to SET the office into the CUTover mode. The requested action was not completed successfully because of the coded error.

3. EXPLANATION OF VARIABLE FIELD

The CUTover ABorTed because of error:

0

The Office-To-Office part of the TOCO multiscan function is active or the TOCO MSF itself is inactive.

1

The CUTover STATUS bit map could not be accessed, or its length does not agree with the scanner maximum (LOG-SCAN in TDATA) in this office. Check also that the call processing frame equipped mask (CP-FEM) has at least 1 frame marked equipped but no frames marked as equipped above the scanner maximum.

2

A TTY is active.

3

A translation error resulted when trying to access a ringer service circuit group.

4

A translation error resulted when trying to access a ringer.

SEE PROPRIETARY NOTICE ON COVER PAGE

SET CUT ABT

SET CUT ABT

5

The new setting of the PRECUT bit could not be written into memory. The lines are CUT over, but the software does not know it.

6

A distribute order to idle a Test Vertical Test Circuit failed.

7

A distribute order to idle a ringer failed.

8

A distribute order to idle a junctor failed.

9

Fatal trouble occurred when closing the line cutoffs. See the preceeding SET CUT TBL messages and take corrective action on them.

10

A translation error occurred when trying to idle the junctors.

11

To prevent scrubbing the line cutoffs, a SET CUTover request is not allowed unless the office is in the PRECUTover state.

For error codes 6, 7 and 8 the ppd variables have meaning as follows:

ppd1

The control frame (0 or 1) that the PPD is mounted on.

Ppd2

The peripheral decoder number.

Ppd3

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

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OM-3H300-03-C583

SET CUT ABT

SET CUT ABT

The PPD triplet (0 thru 3).

For error codes 6, 7, 8 and 10 the dd variables change meaning depending on the error code. They only have meaning for the following error codes:

6

dd1 is unused. dd2 = the Test Vertical Test Circuit number (0-3).

7

dd1 = the service circuit group number of the regular or full service ringer group. dd2 = the ringer member number.

8

dd1 = the junctors network frame number (1-15). dd2 = the junctor number (0-32).

10

dd1 = the junctors network frame number (1-15). dd2 = the junctor number (0-32).

4. ACTION TO BE TAKEN

Repair the problem indicated by the error code or for error 9 by the Trouble messages preceeding the ABOrT. Note that the office is now in neither the CUTover nor the PRECUTover state. This is therefore a high priority problem.

To avoid scrubbing the cutoff contacts, DO NOT re-order SET:CUT without first issuing a SET:PRECUT command.

The message REPT ERR CLK which may accompany this message may be ignored as harmless.

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

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OM-3H300-03-C584

SET CUT ABT

SET CUT ABT

5. REFERENCES

PR-3H023-02 CUT - CUTOVER PROGRAM

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C585

SET CUT COMPL

SET CUT COMPL

1. OUTPUT MESSAGE FORMAT

M tt SET CUT COMPL a b c

2. EXPLANATION OF MESSAGE

Response to a request to SET the office into a CUTover state.
The requested action was successfully COMPLETED.

The following lines and calls were affected:

a

The number of transient calls which were cleared from
the system.

B

The number of lines which would have been CUT into
service but were left alone because they were part of
a stable call.

C

The number of lines newly supervised by the CUTover.

The message REPT ERR CLK which may accompany this message may be
ignored as harmless.

3. REFERENCES

PR-3H023-02 CUT - CUTOVER PROGRAM

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C586

SET CUT TBL

SET CUT TBL

1. OUTPUT MESSAGE FORMAT

M tt SET CUT TBL n OE gg cws i

2. EXPLANATION OF MESSAGE

Response to a request to SET the office into the CUTover state.
The line designated by the OE was not successfully processed
for the reason coded.

3. EXPLANATION OF VARIABLE FIELD

The designated line was not set into the cutover state because
of TROUBLE REASON n:

0

Error on CUTover STATUS map access or error in writing
the map. (aborts the CUTover)

1

A translation error on the line's directory number

2

A network order failure

The trouble occurred while processing the line with OE number gg
cws i.

gg

Concentrator group

C

Concentrator

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C587

SET CUT TBL

SET CUT TBL

W

switch group

S

Switch number

I

Input level number

4. ACTION TO BE TAKEN

Correct the trouble indicated by the trouble code. Note that this line is still unsupervised even though the CUTover command may have completed successfully. This is out of phase with the rest of the office. Therefore, this is a high priority problem.

Once the trouble is cleared and if the SET CUT was completed, request that the failing line be ReSTored to service. If the SET CUT was aborted, correcting the abortion is sufficient. (See the SET CUTover ABorT message.)

5. REFERENCES

PR-3H023-02 CUT - CUTOVER PROGRAM

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C588

SET PRECUT ABT

SET PRECUT ABT

1. OUTPUT MESSAGE FORMAT

M tt SET PRECUT ABT error ppd1-ppd2-ppd3 dd1 dd2

2. EXPLANATION OF MESSAGE

Response to a request to SET the office into the PRECUTover mode. The requested action was not completed successfully because of the coded error.

3. EXPLANATION OF VARIABLE FIELD

The PRECUTover ABorTed because of error:

0

The Office-To-Office part of the TOCO multiscan function is active or the TOCO MSF itself is inactive.

1

The CUTover STATus bit map could not be accessed or its length does not agree with the scanner maximum (LOG-SCAN in TDATA) in this office. Check also that the call processing frame equipped mask (CP-FEM) has at least 1 frame marked equipped but no frames marked as equipped above the scanner maximum.

2

A TTY is active.

3

A translation error resulted when trying to access a ringer service circuit group.

4

A translation error resulted when trying to access a ringer.

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C589

SET PRECUT ABT

SET PRECUT ABT

5

The new setting of the PRECUT bit could not be written into memory. The lines are now unsupervised, but the software does not know it.

6

A distribute order to idle a Test Vertical Test Circuit failed.

7

A distribute order to idle a ringer failed.

8

A distribute order to idle a junctor failed.

9

Fatal trouble occurred when opening the line cutoffs. See the preceeding SET PRECUT TBL messages and take corrective action on them.

10

A translation error occurred when trying to idle the junctors.

For error codes 6, 7 and 8 the ppd variables have meaning as follows:

ppd1

The control frame (0 or 1) that the PPD is mounted on.

Ppd2

The peripheral decoder number.

Ppd3

The PPD triplet (0 thru 3).

For error codes 6, 7, 8 and 10 the dd variables change meaning

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SET PRECUT ABT

SET PRECUT ABT

depending on the error code. They only have meaning for the following error codes:

6

dd1 is unused. dd2 = the Test Vertical Test Circuit number (0-3).

7

dd1 = the service circuit group number of the regular or full service ringer group. dd2 = the ringer member number.

8

dd1 = the junctors network frame number (1-15). dd2 = the junctor number (0-32).

10

dd1 = the junctors network frame number (1-15). dd2 = the junctor number (0-32).

4. ACTION TO BE TAKEN

Repair the problem indicated by the error code or for error 9 by the TROUBLE messages preceeding the ABORT. Note that the office is now in neither the CUTover nor the PRECUTover state. Reissue the SET:PRECUT command after clearing the troubles listed.

The message REPT ERR CLK which may accompany this message may be ignored as harmless.

5. REFERENCES

PR-3H023-02 CUT - CUTOVER PROGRAM

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

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SET PRECUT COMPL

SET PRECUT COMPL

1. OUTPUT MESSAGE FORMAT

M tt SET PRECUT COMPL a b c

2. EXPLANATION OF MESSAGE

Response to a request to SET the office into a PRECUTover state. The requested action was successfully COMPLETED.

The following lines and calls were affected:

a

The number of transient calls which were cleared from the system.

B

The number of lines which would have been put into the PRECUTover state but were left alone because they were part of a stable call.

C

The number of lines newly unsupervised by the PRECUTover.

The message REPT ERR CLK which may accompany this message may be ignored as harmless.

3. REFERENCES

PR-3H023-02 CUT - CUTOVER PROGRAM

ALM=4 CHL=MTC,MTR

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SET PRECUT TBL

SET PRECUT TBL

1. OUTPUT MESSAGE FORMAT

M tt SET PRECUT TBL n OE gg wcsi

2. EXPLANATION OF MESSAGE

Response to a request to SET the office into the PRECUTOver state. The line designated by the OE was not successfully processed for the reason coded.

3. EXPLANATION OF VARIABLE FIELD

The designated line was not set into the pre-cutover state because of TROUBLE REASON n:

0

Error on CUTover STATUS map access or error in writing the map. (aborts the PRECUTOver)

1

A translation error on the line's directory number

2

A network order failure

The trouble occurred while processing the line with OE number gg cws i.

gg

Concentrator group

C

Concentrator

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SET PRECUT TBL

SET PRECUT TBL

W

switch group

S

Switch number

I

Input level number

4. ACTION TO BE TAKEN

Correct the trouble indicated by the trouble code. Note that this line is still supervised even though the PRECUTover command may have completed successfully. This is out of phase with the rest of the office. Therefore, this is a high priority problem.

After clearing the trouble, the line may be put into the PRECUTover state most easily by reissuing the SET PRECUTover message. (See the SET PRECUTover ABorT message.)

5. REFERENCES

PR-3H023-02 CUT - CUTOVER PROGRAM

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

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OM-3H300-03-C594

STOP FLT

STOP FLT

1. OUTPUT MESSAGE FORMAT

tt STOP FLT
n xxxx c

 {or}

STOP FLT		COUNT
FILTER MESSAGE		
n	xxxx	c
n	xxxx	c

2. EXPLANATION OF MESSAGE

This message is printed in response to a STOP:FLT input message. If a specific filter was requested to be stopped, then the first format is output. If all filters are stopped, then the second format is used.

3. EXPLANATION OF VARIABLE FIELD

n - The filter number being stopped.

xxxx - The text of the filter message as input via the LOD:FLT message.

c - The number of messages filtered.
(Note: This counter will not increment beyond 128 messages.)

4. ACTION TO BE TAKEN

PR-1C983-06 TTYMAP - TTY MESSAGE ADMINISTRATION PROGRAM

CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

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OM-3H300-03-C595

STOP WRD1 COMPL

STOP WRD1 COMPL

1. OUTPUT MESSAGE FORMAT

M tt STOP WRD1 COMPL

2. EXPLANATION OF MESSAGE

Is an acknowledgement for the COMPLEtion of a STOP request.

3. EXPLANATION OF VARIABLE FIELD

wrđ1 - is the function stopped:

REPT - The report function has been stopped.

MON - The monitor function has been stopped.

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-3H318 TSVMON

Trunk and Service Circuit Maintenance Aids Program

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

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TAPE INT ERR

TAPE INT ERR

1. OUTPUT MESSAGE FORMAT

* tt TAPE INT ERR aa bb cc dd

2. EXPLANATION OF MESSAGE

An error has occurred during a tape interrupt.

3. EXPLANATION OF VARIABLE FIELD

aa Present tape position of the failing tape in decimal.
bb R9
cc R10
dd R11

4. ACTION TO BE TAKEN

Wait for further output.

5. REFERENCES

PR-1C957-01 CTAPH Tape Handler Program

ALM=2 PRI=3 CHL=MTC,MTR

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TAPE OPER ABT

TAPE OPER ABT

1. OUTPUT MESSAGE FORMAT

** tt TAPE OPER ABT aa bb cc dd

2. EXPLANATION OF MESSAGE

A tape operation has been aborted for one of a number of reasons. The specific reason is reflected in the data fields.

3. EXPLANATION OF VARIABLE FIELD

aa The relative address requesting printout.
bb Reason for abort -
 FATLREAD: A permanent read error.
 FATLWRIT: A permanent write error.
 BASETO: A interrupt failed to occur.
 NORESP: No response from an order sent.
 TURER: Cartridge removed or write protected.
 ORDER: A tape order has failed (mtc response).
 OORADR: A file boundary has been exceeded.
 SEQERR: A block sequence error in reading.
 W2X: An attempt to rewrite was blocked or failed.
 Write can be blocked if other tape is inaccessible.
 COMPL: A tape recovery has succeeded.
cc The tape number.
dd The present position of the failing tape in decimal.

4. ACTION TO BE TAKEN

Evaluate error and reinitiate aborted function.

5. REFERENCES

PR-1C957-01 CTAPH Tape Handler Program

ALM=3 PRI=3 CHL=MTC,MTR

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TAPE OPER ABT

TAPE OPER ABT

1. OUTPUT MESSAGE FORMAT

** tt TAPE OPER ABT BLK a ERR

2. EXPLANATION OF MESSAGE

A response to input message "DMP:TAPE a,BLK(b,cccc)!" has been made because of an invalid block number specified in the input message. Perform "DMP:TAPE a,DIRECTRY!" to verify valid block numbers.

3. EXPLANATION OF VARIABLE FIELD

a The block number.

4. ACTION TO BE TAKEN

Evaluate error and reinitiate aborted function.

5. REFERENCES

PR-1C957-01 CTAPH Tape Handler Program

ALM=3 PRI=3 CHL=MTC,MTR

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OM-3H300-03-C599

TAPE RCOVRY

TAPE RCOVRY

1. OUTPUT MESSAGE FORMAT

tt TAPE RCOVRY aa bb cc dd

2. EXPLANATION OF MESSAGE

Tape recovery has been initiated due to errors.

3. EXPLANATION OF VARIABLE FIELD

aa Tape in error.
bb The relative address requesting printout.
cc Keyword to indicate trouble. See TAPE OPER ABT.
dd Present tape position of the failing tape in decimal.

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-1C957-01 CTAPH Tape Handler Program

ALM=0 PRI=3 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

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OM-3H300-03-C600

TAPE RMV

TAPE RMV

1. OUTPUT MESSAGE FORMAT

** tt TAPE RMV bb cc dd ee ff

2. EXPLANATION OF MESSAGE

A tape unit has malfunctioned or a system error has stopped the tape in an abrupt manner.

3. EXPLANATION OF VARIABLE FIELD

bb The tape removed from service.
cc The relative address requesting printout.
dd Reason for removal. See TAPE OPER ABT.
If DGN, the removal was due to diagnostic failure.
ee Present tape position of the failing tape in decimal
(block number).
ff R11

4. ACTION TO BE TAKEN

Run tape restoral process.

5. REFERENCES

PR-1C957-01 CTAPH Tape Handler Program

ALM=3 PRI=3 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

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OM-3H300-03-C601

TAPEUTIL COMPL

TAPEUTIL COMPL

1. OUTPUT MESSAGE FORMAT

tt TAPEUTIL COMPL

2. EXPLANATION OF MESSAGE

The previously requested tape utility has completed.

3. EXPLANATION OF VARIABLE FIELD

None

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

TAPEUTIL STOPPED

TAPEUTIL STOPPED

1. OUTPUT MESSAGE FORMAT

tt TAPEUTIL STOPPED aa bb cc dd

2. EXPLANATION OF MESSAGE

The tape utility program has been stopped. This message may denote either a normal or abnormal termination of a previously requested tape utility. To initiate a new tape utility request, it will be necessary to reactivate the tape utility program (see ALW:TAPEUTIL).

The tape utility program was stopped for one of the following reasons:

- A tape utility function of long duration has successfully completed (AUDIT:TAPE, COPY:TAPE, COPY:FILE, and LOD:OMAS functions only).
- The termination was requested manually via the STOP:TAPEUTIL input message.
- The multi-scan function controller caused an abort (e.g. a higher priority function was requested).
- The tape handler could not seize a requested tape.
- The tape handler could not service the current tape operation.
- For the audit utility only, a mismatch was found on track 1 (write-protected track) under the CORR action option.
- For the file copy, file not found.
- For the file copy, wrap-around not allowed if starting block addresses mismatch.

3. EXPLANATION OF VARIABLE FIELD

aa = The tape utility function previously in progress.
= 1 - tape block dump
= 2 - tape directory dump
= 3 - tape label file dump
= 4 - tape nonresident file segment dump
= 5 - tape block input
= 6 - tape block output
= 7 - tape to tape audit
= 8 - tape file copy
= 9 - tape block copy

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TAPEUTIL STOPPED

TAPEUTIL STOPPED

= 10 - off-line MAS reload
= 11 - off-line bootstrap
bb = The tape block being copied (in octal) for COPY function.
cc = The tape utility function substate previously in progress
(in decimal).
dd = The tape block being written (in octal) for COPY function.

4. ACTION TO BE TAKEN

If any tape utility or tape error messages preceded this message, they should be consulted first to identify the reason for the STOPPED response. Otherwise, request tape unit diagnostics and/or control unit diagnostics to locate a possible hardware difficulty.

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

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OM-3H300-03-C604

TOCO READY

TOCO READY

1. OUTPUT MESSAGE FORMAT

tt TOCO READY

2. EXPLANATION OF MESSAGE

In response to the input message ALW:TOCO. Receipt of this message means that the Turnover/Cutover programs have been loaded into the non-resident program paging buffer.

3. ACTION TO BE TAKEN

The craftsperson can now input messages to set the No. 3 ESS machine into the CUT (SET:CUT!) or PRECUT (SET:PRECUT!) state or he can input messages to start the Office To Office Test program (EX:OTO).

4. REFERENCES

PR3H081 OTOTST - Office To Office Test Program

ALM=0 CHL=MTC,MTR

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TOCO STOPPED

TOCO STOPPED

1. OUTPUT MESSAGE FORMAT

tt TOCO STOPPED

2. EXPLANATION OF MESSAGE

In response to the input message STOP:TOCO. The Turnover/Cutover MSF has been stopped. Other non-resident programs can now be accessed.

3. REFERENCES

PR3H081 OTOTST - Office To Office Test Program

ALM=0 CHL=MTC,MTR

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OM-3H300-03-C606

TRF ERR

TRF ERR

1. OUTPUT MESSAGE FORMAT

tt TRF ERR nnnn

2. EXPLANATION OF MESSAGE

This message is an error code in response to a traffic input message.

The error was encountered on the previous input message. The reason for the error is given below.

3. EXPLANATION OF VARIABLE FIELD

nnnn = error number. Individual definitions follow.
kw = KEYWORD is an optional parameter on the message.
KW is a keyword that can be associated with the error number.

0000 =

Default error code.

1010 =

Required keyword not received.

1011 =

Incorrect keyword data.

1015 =

Keyword data is out of range.

1201 =

When verifying the traffic H schedule, an hour was scheduled to start on the hour and on the half hour which is not allowed.

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TRF ERR

TRF ERR

4. ACTION TO BE TAKEN

Correct the message and retype.

5. REFERENCES

The programs which output these messages are:

PR-3H087-02 RCCLS
PR-3H088-02 RCGTSA
PR-3H089-02 RCINCP
PR-3H091-02 RCQH
PR-3H092-02 RCREPT
PR-3H093-02 RCSCHE

Also refer to the TRF:xxxx input message previously inputted.

ALM=0 CHL=MTC,MTR,TRF,SO

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OM-3H300-03-C608

TST BB ABT

TST BB ABT

1. OUTPUT MESSAGE FORMAT

tt TST BB ABT

2. EXPLANATION OF MESSAGE

This message is used to inform the craftsman that the requested Battery Boost TeST has been ABorTed while waiting for the converters to change state. The converters are left in the 'on' state.

3. ACTION TO BE TAKEN

Repeat the TST:BB! request for battery boost verification.

4. REFERENCES

PR-3H312 MNRSUB Maintenance Nonresident Subroutines

ALM=0 CHL=MTC,MTR

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OM-3H300-03-C609

TST LINE

TST LINE

1. OUTPUT MESSAGE FORMAT

tt TST LINE a bcde TN f g ABT h

2. EXPLANATION OF MESSAGE

Used to report the ABorTing of the LINE insulation TeSTs. The reason for the abort is determined by the abort code.

3. EXPLANATION OF VARIABLE FIELD

the following specify the line under test during the abort.

a - Concentrator Group

b - Concentrator

c - Switch Group

d - Input Switch

e - Input Switch Level

f - Telephone Number

g - Test and Range

00tr - LIT error during line test

t - test as specified on input

r - range as specified on input

000s - LIT error during self-check

- s - 1 - 40k-80k selection circuit open
- 2 - 20k selection circuit open
- 3 - 80k-160k-320k selection circuit open
- 4 - 640k-1.28k-2.56m selection circuit open
- 5 - 20k-40k selection transistor
- 6 - 80k selection transistor
- 7 - 80k selection transistor
- 10 - 320k selection transistor
- 11 - 160k selection transistor

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TST LINE

TST LINE

12 - 640k selection transistor
13 - 1.28m selection transistor
14 - 2.56m selection transistor

h - Abort Code

100001 - error in input message fields
100002 - fail translations for LIT circuit
100004 - PPD error during self-check sequence
100010 - LIT error during self-check sequence
100020 - a manual request was made on a line that
was busy.
100040 - error found in line data during test
100100 - PPD error during test mode set up
100200 - error found in line data during restore
verify
100400 - an excess of 128 failures has been found
101000 - a manual request was made on a terminal that
is not a line
102000 - an excess of 256 failures in selecting paths
and TCRS
104000 - an abort requested by TTY or system
110000 - a peripheral error during connect or
disconnect
120000 - set junctor failure

4. ACTION TO BE TAKEN

to be added later

5. REFERENCES

PR-3H310-01 ALIT - LINE INSULATION TEST

ALM=0 CHL=MTC,MTR,RSB

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OM-3H300-03-C611

TST LINE

TST LINE

1. OUTPUT MESSAGE FORMAT

tt TST LINE a bcde TN f g COMPL

2. EXPLANATION OF MESSAGE

Used to report the COMPLeting of LINE insulation TeSTs.

3. EXPLANATION OF VARIABLE FIELD

the following specify the last line under test.

a - Concentrator Group

b - Concentrator

c - Switch Group

d - Input Switch

e - Input Switch Level

f - Telephone Number

g - Test and Range

00tr

t - test as specified on input

r - range as specified on input

4. ACTION TO BE TAKEN

none.

5. REFERENCES

PR-3H310-01 ALIT - LINE INSULATION TEST

ALM=0 CHL=MTC,MTR,RSB

SEE PROPRIETARY NOTICE ON COVER PAGE

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OM-3H300-03-C612

TST LINE

TST LINE

1. OUTPUT MESSAGE FORMAT

tt TST LINE a bcde TN f g ERR h

2. EXPLANATION OF MESSAGE

Used to report an ERRor during LINE insulation TeSTing.

3. EXPLANATION OF VARIABLE FIELD

the following specify the last line under test at the time of the failure.

- a - Concentrator Group
- b - Concentrator
- c - Switch Group
- d - Input Switch
- e - Input Switch Level
- f - Telephone Number
- g - Test and Range

	80k	RANGE 320k	2.56m
0001 - less than 80k		less than 320k	less than 2.56m
0003 - less than 40k		less than 160k	less than 1.28m
0007 - less than 20k		less than 80k	less than 640k

h - Test

If the test is FEMF, the test and range number can be 1, 3 or 7. A 1 indicates there is at least -20 volts on the tip or ring leads, 3 indicates -30 v, and 7 indicates -40 v.

SRG - Short and Ring to Ground

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TST LINE

TST LINE

TRG - Tip and Ring to Ground
FEMF - Foreign Electromotive Force
RVF - Restore Verify Failure
NO RVF - Restore verify skipped

4. ACTION TO BE TAKEN

Take the necessary action to repair the faulty line.

5. REFERENCES

PR-3H310-01 ALIT - LINE INSULATION TEST

ALM=0 CHL=MTC,MTR,RSB

SEE PROPRIETARY NOTICE ON COVER PAGE

TST LINE START

TST LINE START

1. OUTPUT MESSAGE FORMAT

tt TST LINE START

2. EXPLANATION OF MESSAGE

Used to report the start of the line insulation test program.
the routine may have been started manually or automatically
during the nightly routine tests.

3. REFERENCES

PR-3H310-01 ALIT - LINE INSULATION TEST

ALM=0 CHL=MTC,MTR,RSB

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OUTPUT MESSAGE MANUAL

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OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C616

1. OUTPUT MESSAGE FORMAT

tt UPD HASH ww

2. EXPLANATION OF MESSAGE

Response to an UPD:HASH input message.

3. EXPLANATION OF VARIABLE FIELD

ww = COMPL - The update has completed.
ww = STOPPED - The update has failed. The failure occurred
for one of the following reasons:
- A location was read which contained bad parity.
- The tape handler could not open the CHECKSUM
file.
- The tape handler could not service the current
tape operation.

4. ACTION TO BE TAKEN

If tape error messages preceded the STOPPED response, they
should be consulted first to identify the particular tape
trouble. Otherwise, run CU diagnostics on the on-line CU.

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt UPD OMAS ww tt

2. EXPLANATION OF MESSAGE

Response to an UPD:OMAS type of input message or an automatic update request. The update COMPLETED as much of the update as possible or it has been STOPPED. See the variable field explanations for more details. The update is performed automatically any time the system was out of the update mode for any reason. Some typical reasons include placing the off-line in manual and running programs which require the off-line CU such as CU diagnostics.

3. EXPLANATION OF VARIABLE FIELD

ww = COMPL - The requested update has been completed.
ww = STOPPED - The requested update was stopped.
In this case the 'tt' field will only tell which type of update was requested.

tt = COMP - A complement update was done. The off-line store is now the exact complement of the on-line.
tt = MCH - A maintenance channel update was done. The off-line is not identical to the on-line. See the input message UPD:OMAS:MCH! for more details.
tt = ERR - An update has been done and parity errors were found in the on-line store. Preceding messages will identify these words. These words are not copied to the off-line store so the stores are not identical.
tt = blank - The normal update was done and both stores are identical.

4. ACTION TO BE TAKEN

None

5. REFERENCES

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UPD OMAS

UPD OMAS

PR-1C950 CBLM - Common Base Level Monitor

ALM=0 PRI=0 CHL=MTC,MTR

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OUTPUT MESSAGE MANUAL

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1. OUTPUT MESSAGE FORMAT

tt UPD OTS ww tt

2. EXPLANATION OF MESSAGE

An UPD of the Other Temporary Store was COMPLeted or STOPPED.

Response to an automatic request to update the other temporary store only. The update COMPLeted the temporary store update or it has been STOPPED. See the variable field explanation for more details.

3. EXPLANATION OF VARIABLE FIELD

ww = COMPL - The temporary store update has been completed.
ww = STOPPED - The temporary store update has been stopped.

tt = ERR - The update has been done but parity errors were found in the on-line store. Preceding messages will identify these words. These words are not copied to the off-line store so the temporary stores cannot be guaranteed identical.

tt = blank - The temporary store update completed normally.

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-1C950 CBLM - Common Base Level Monitor

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt UPD OWFILE ww

2. EXPLANATION OF MESSAGE

Response to an UPD:OWFILE input message.

3. EXPLANATION OF VARIABLE FIELD

ww = COMPL - The update has completed.
 ww = STOPPED - The update has failed. The failure occurred
 for one of the following reasons:
 - The tape handler could not open the PATCH file.
 - The tape handler could not service the current
 tape operation.

4. ACTION TO BE TAKEN

Consult tape recovery output messages and take recommended
 corrective action.

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

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OUTPUT MESSAGE MANUAL

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OM-3H300-03-C622

VER CFN TN

VER CFN TN

1. OUTPUT MESSAGE FORMAT

tt VER CFN TN nxx xxxx

CFN e f g h
CUT
CFN UNAS (Indicates unassignment)
ERR nnnn (Indicates error)
END

2. EXPLANATION OF MESSAGE

This is the response message to a verify requesting that the call forwarding number of a customer's telephone number be printed.

3. EXPLANATION OF VARIABLE FIELD

The definitions of the keywords and data fields are given in the description of the input message RC:CFN if not explicitly defined below.

nxx xxxx Customer's telephone number

CFN e f g h Call forwarding telephone number
CUT Hundreds group is in precut state

CFN UNAS
The customer has call forwarding service, but
no call forwarding telephone number is assigned.

ERR nnnn tt nn
An error has occurred.
Look up nnnn in output message ADM ERR nnnn for details.
Fields TT and NN (if present) are defined under output
message ADM ERR nnnn.

SEE PROPRIETARY NOTICE ON COVER PAGE

VER CFN TN

VER CFN TN

END End of message

4. ACTION TO BE TAKEN

To be determined by the user. Follow local procedures.

5. REFERENCES

PR-3H066 VRCFN

CHL=ALL

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OUTPUT MESSAGE MANUAL

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OM-3H300-03-C624

VER DATE TRNSLN

VER DATE TRNSLN

1. OUTPUT MESSAGE FORMAT

M tt VER DATE TRNSLN aa bb cc
VER DATE BACKDT 1 aa bb cc BACKDT 2 aa bb cc

2. EXPLANATION OF MESSAGE

response to an VER:DATE input message.

3. EXPLANATION OF VARIABLE FIELD

aa = month

bb = day

cc = year

4. ACTION TO BE TAKEN

none

5. REFERENCES

PR-3H068-03 VERIFY DATE OF TRANSLATION FILES

ALM=4 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

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OM-3H300-03-C625

VER FATDEF

VER FATDEF

1. OUTPUT MESSAGE FORMAT

tt VER FATDEF

2. EXPLANATION OF MESSAGE

This is the response message to a search type area translator default code index verify request.

3. EXPLANATION OF VARIABLE FIELD

The tabular output of this message is shown below.

FAT	CDI
f	ccc
'	'
'	'
'	'

f = Area translator numbers of the search type

ccc = Default code indexes

ERR nnnn tt nn

An error has occurred.
Look up nnnn in output message ADM ERR nnnn for details.
Fields TT and NN (if present) are defined under output message ADM ERR nnnn.

END End of message

4. ACTION TO BE TAKEN

To be determined by the user. Follow local procedures.

SEE PROPRIETARY NOTICE ON COVER PAGE

VER FATDEF

VER FATDEF

5. REFERENCES

PR-3H070 VRFATD

CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C627

VER HASH

VER HASH

1. OUTPUT MESSAGE FORMAT

tt VER HASH adr hashtp hashmas

2. EXPLANATION OF MESSAGE

Response to a VER:HASH input message. A mismatch has been found between the hashsum stored in the tape cartridge CHECKSUM file and the corresponding on-line main store.

3. EXPLANATION OF VARIABLE FIELD

adr = Absolute address of the hashsum.
hashtp = Hashsum value stored in the CHECKSUM file (decimal).
hashmas = Hashsum computed from the on-line main store.
(Valid only for the first entry in a 32K module.)

4. ACTION TO BE TAKEN

None

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

VER HASH

VER HASH

1. OUTPUT MESSAGE FORMAT

tt VER HASH ww

2. EXPLANATION OF MESSAGE

Response to a VER:HASH input message.

3. EXPLANATION OF VARIABLE FIELD

ww = COMPL - The verify has completed.
ww = STOPPED - The verify has failed. The failure occurred
for one of the following reasons:
- A location was read which contained bad parity.
- The tape handler could not open the CHECKSUM
file.
- The tape handler could not service the current
tape operation.

4. ACTION TO BE TAKEN

If tape error messages preceded the STOPPED response, they
should be consulted first to identify the particular tape
trouble. Otherwise, run diagnostics on the tape units and
on-line CU.

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

VER LINE

VER LINE

1. OUTPUT MESSAGE FORMAT

tt VER LINE
*****For further details*****
*****see message VER OE*****

2. EXPLANATION OF MESSAGE

3. EXPLANATION OF VARIABLE FIELD

4. ACTION TO BE TAKEN

5. REFERENCES

CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

1. OUTPUT MESSAGE FORMAT

tt VER LSTRIG nnn

2. EXPLANATION OF MESSAGE

This is the response message to a verify requesting a list of route indexes that point to a specified trunk or service circuit group.

3. EXPLANATION OF VARIABLE FIELD

nnn = Trunk or service circuit group number

The tabular output of this message is shown below. If no indexes are printed, then no route index points to the specified trunk or service circuit group.

```
RTI
rrr
|
|
|
```

rrr = Route indexes

RTI rrr ETYP aa bb

Route index rrr has the undefined entry type bb.

ERR nnnn tt nn

An error has occurred.

Look up nnnn in output message ADM ERR nnnn for details.
Fields TT and NN (if present) are defined under output
message ADM ERR nnnn.

END End of message

VER LSTRIG

VER LSTRIG

4. ACTION TO BE TAKEN

To be determined by the user. Follow local procedures.

5. REFERENCES

PR-3H073 VRLSTR

CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C632

VER LSTTCI

VER LSTTCI

1. OUTPUT MESSAGE FORMAT

tt VER LSTTCI nnn

2. EXPLANATION OF MESSAGE

This is the response message to a verify requesting a list of 3-digit codes that point to a specified code index.

3. EXPLANATION OF VARIABLE FIELD

nnn = Code index

The tabular output of this message is shown below. If no area translator and 3-digit code are printed, then the specified code index does not exist in any area translator entry.

FAT	DIG
f	ddd
,	,
,	,
,	,

f = Area translator numbers

ddd = 3-digit codes (ddd=0=>default code index for area translator f)

ERR nnnn tt nn

An error has occurred.

Look up nnnn in output message ADM ERR nnnn for details. Fields TT and NN (if present) are defined under output message ADM ERR nnnn.

END End of message

4. ACTION TO BE TAKEN

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OM-3H300-03-C633

VER LSTTCI

VER LSTTCI

To be determined by the user. Follow local procedures.

5. REFERENCES

PR-3H075 VRLST3

CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C634

VER MPTY

VER MPTY

1. OUTPUT MESSAGE FORMAT

tt VER MPTY
*****For further details*****
*****see message VER OE*****

2. EXPLANATION OF MESSAGE

3. EXPLANATION OF VARIABLE FIELD

4. ACTION TO BE TAKEN

5. REFERENCES

CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C635

VER MRI

VER MRI

1. OUTPUT MESSAGE FORMAT

tt VER MRI iiii vvvvv

2. EXPLANATION OF MESSAGE

This is the response message to the verify requesting the contents of a software message register.

3. EXPLANATION OF VARIABLE FIELD

iiii = Software message register index.

vvvvv = Contents of the message register.

4. ACTION TO BE TAKEN

To be determined by the user. Follow local procedures.

5. REFERENCES

PR-3H103 VRMRI

CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C636

VER MTL

VER MTL

1. OUTPUT MESSAGE FORMAT

tt VER MTL
*****For further details*****
*****see message VER OE*****

2. EXPLANATION OF MESSAGE

3. EXPLANATION OF VARIABLE FIELD

4. ACTION TO BE TAKEN

5. REFERENCES

CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C637

VER OE

VER OE

1. OUTPUT MESSAGE FORMAT

tt VER OE

NO LINE

UNAS LINE

UNAS PTY

GRP nnn TER mmm

TN nxx xxxx

OE gg c w s i

OESP ss rr pp

RTI nnn

SP ss rr pp

BSY

SER nxx xxxx

CUT

TN TRIG

LCC lcc

RAX n

SCR nn

OMAJ nn

TMAJ nn

LCI nnn

PTY p n

HML nn

TER nn

LHT nn

DRB n

CDI nnn

ESX

TRC

ESC

EL

GST

TTC

ESL nnn

CHL

ESF nnn

CHF

SOB

SS

ESM nnnn

CSL1

CSL2

PLIT

ROH

RAML

RTN npa nxx xxxx

CLS n

TTYC n

SEE PROPRIETARY NOTICE ON COVER PAGE

VER OE

VER OE

PORT n
AUTO
TO nnn
PRIOR nn
NDB
TONE n
ETYP nn
NIGHT
MR nnnn
HLN e f g h
DPM p ddd t
DP p ddd t
DPU p ddd t
DPCN p ddd t o
CONNECT dt REC
BLN
WATS
BTN nxx xxxx
abc UNAS (Indicates unassignment)
ERR nnnn tt nn (Indicates an error)
END

2. EXPLANATION OF MESSAGE

This is a response message to one of the following verify requests.

VER:OE ...
VER:LINE ...
VER:TWOPTY ...
VER:MTL ...
VER:MPTY ...

NOTE: VER:OE ... can be used to verify a line (LINE), a two-party line (TWOPTY), a multi-line hunt terminal (MTL), or a multi-party line (MPTY). However, VER:LINE ..., VER:TWOPTY ..., etc. are provided as a convenience to the user.

3. EXPLANATION OF VARIABLE FIELD

SEE PROPRIETARY NOTICE ON COVER PAGE

If any keyword and its data are not printed, then that data does not exist.

The definitions of the keywords and data fields are given in the description of the input message RC:LINE, RC:MPTY, RC:MTL, or RC:TWOPTY if not explicitly defined below.

NO LINE	This is not a line.
UNAS LINE	This line or OE is unassigned.
UNAS PTY	This OE is assigned as a line but the specified pty (pty 1 is assumed if no pty specified) is unassigned.
GRP nnn TER mmm	OE is assigned to group and member.
TN nxx xxxx	Telephone number
OE gg c w s i	Office equipment number
RTI nnn	Route index
BSY	Busy treatment (see KSP below)
SER nxx xxxx	Series completion directory number
CUT	Hundreds group marked as awaiting cutover
TN TRIG	Trigger number for auto connect
LCC lcc	Line class code
RAX n	Rate area data
SCR nn	Screening class
OMAJ nn	Originating major class
TMAJ nn	Terminating major class
LCI nnn	Line class code index
HML nn	Multi-line hunt group number
TER nn	Terminal number
LHT nn	Last hunt terminal
DRB n	Remote make busy key number
ESX	Call waiting
TRC	Trace
ESC	Three-way calling
EL	Essential line
GST	Ground start
TTC	Touch-Tone calling
ESL nnn	1-digit speed calling index
CHL	Change 1-digit speed calling
ESF nnn	2-digit speed calling index
CHF	Change 2-digit speed calling
SOB	Service observing
SS	Special studies
ESM nnnn	Call forwarding index
CSL1	Customer changeable speed call 1-digit
CSL2	Customer changeable speed call 2-digit
PLIT	Prohibit line insulation test
ROH	Receiver Off-Hook tone

SEE PROPRIETARY NOTICE ON COVER PAGE

RAML	Remove trunks beyond service limit
RTN npa nxx xxxx	Return telephone number
CLS nn	Message class
TTYC n	TTY controller number
PORT n	TTY port number
AUTO	Auto dial-up option
TO nnn	Time out
PRIOR nn	Priority
NDB	No dial back
TONE n	Carrier tone
ETYP nn	Function
NIGHT	Night LTD is called
MR nnnn	Software message register index
HLN e f g h	Hot line telephone number
DPM p ddd t	Distributor triplet for message register
DP p ddd t	Distributor triplet for sleeve lead
DPU p ddd t	Distributor triplet for noise immunity line
DPCN p ddd t o	Distributor point for coin line
BLN	Special toll billing (QZ billing, ONI)
WATS	Outwats billing number
BTN nxx xxxx	Bill to number

OESP ss rr pp

Scan point number for the telephone number OE.

SP ss rr pp

Key scan point number for returning a busy tone or reorder tone. If BSY is printed, then the busy tone is returned.

PTY p n

Party number and number of parties

p = party number (1-8) From tape (P=0 implies a mistake on tape)

n = => number of parties not determined since no originating data exists.

= ? => ERROR: originating translation data indicates non-party but the line class code table indicates party of p

= 2 => 2 parties

= 4 => 4 parties

= 8 => 8 parties

CDI nnn

Code index for routing all calls to the thousands group of the telephone number to another office. (Implies split office code)

CONNECT dt REC

Connect a dt type receiver to the 2-party line.

dt = ** => Error

= DP => Dial pulse

VER OE

VER OE

= NO => Attach no receiver
= TT => Touch-Tone

abc UNAS

abc is not assigned.
abc = BTN => Bill to number office code
= HML => PBX/MLH group
= HND => Hundreds group
= OCD => Telephone number office code
= OE => terminal equipment
= TER => PBX/MLH group terminal number
= THD => Thousands group
= TN => Telephone number

ERR nnnn tt nn

An error has occurred.
Look up nnnn in output message ADM ERR nnnn for details.
Fields TT and NN (if present) are defined under output
message ADM ERR nnnn.

END End of message

4. ACTION TO BE TAKEN

To be determined by the user. Follow local procedures.

5. REFERENCES

PR-3H072 VRLINE

CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C642

1. OUTPUT MESSAGE FORMAT

tt VER OW ww

2. EXPLANATION OF MESSAGE

Response to a VER:OW input message.

3. EXPLANATION OF VARIABLE FIELD

ww = COMPL - The verify has completed.
ww = STOPPED - The verify has failed. The failure occurred for one of the following reasons:
- A verify error (mismatch) was found.
- An address within a specified segment could not be found (nonresident code only).
- The tape handler could not open the PAGEMON file (nonresident code only).
- The tape handler could not service the current tape operation (nonresident code only).

4. ACTION TO BE TAKEN

If tape error messages preceded the STOPPED response, they should be consulted first to identify the particular tape trouble. Otherwise, consult the data from the VER OW ERR message and use it to determine the reason for the mismatch.

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

VER OW ERR

VER OW ERR

1. OUTPUT MESSAGE FORMAT

tt VER OW ERR seg adr fnd exp

2. EXPLANATION OF MESSAGE

The verification of an overwrite (requested via the VER:OW input message) has encountered a mismatch between the alleged old (new) data specified in the input message and the actual data retrieved from MAS or tape.

3. EXPLANATION OF VARIABLE FIELD

seg = Segment in which the mismatch was detected.
adr = Absolute address of the location that mismatched.
fnd = The actual data retrieved from MAS or tape.
exp = The alleged old (new) data specified in the input message.

4. ACTION TO BE TAKEN

Determine the reason for the mismatch and take corrective action. Check for typographical errors in the segment, address, new, and/or old data fields of the IN:OWDATA input message. Insure that the overwrite belongs to the current version of the generic.

5. REFERENCES

PR-1C954-01 CNRUTL Common Nonresident Utilities Program

ALM=0 PRI=0 CHL=MTC,MTR

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C644

VER SCN

VER SCN

1. OUTPUT MESSAGE FORMAT

tt VER SCN

TN nxx xxxx
GRP nnn
ESL nnn
ESF nnn

2. EXPLANATION OF MESSAGE

This is the response message to a verify requesting that all speed calling numbers associated with a customer (line or PBX/MLH), or specific speed call index be printed.

3. EXPLANATION OF VARIABLE FIELD

TN nxx xxxx = Customer's telephone number
GRP nnn = PBX/MLH grp
ESL nnn = 1-digit speed call list index
ESF nnn = 2-digit speed call list index

The tabular output of this message is shown below. If no speed calling numbers are printed, then the customer does not have any speed calling numbers assigned.

ADN	SCN
nn	e f g h

nn = Speed calling abbreviated dial numbers

e f g h = Speed calling telephone numbers
The form may be any one of the following:

p npa nxx xxxx
npa nxx xxxx

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OUTPUT MESSAGE MANUAL

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OM-3H300-03-C645

VER SCN

VER SCN

p nxx xxxx
nxx xxxx
n11
where p = prefix (0 or 1)

ERR nnnn SCm

An error has occurred in the m-digit speed calling list.
Look up nnnn in output message ADM ERR nnnn for details.

ERR nnnn tt nn

An error has occurred.
Look up nnnn in output message ADM ERR nnnn for details.
Fields TT and NN (if present) are defined under output
message ADM ERR nnnn.

END End of message

4. ACTION TO BE TAKEN

To be determined by the user. Follow local procedures.

5. REFERENCES

PR-3H077 VRSCN

CHL=ALL

SEE PROPRIETARY NOTICE ON COVER PAGE

OUTPUT MESSAGE MANUAL

ISSUE 4

OM-3H300-03-C646

VER TWOPTY

VER TWOPTY

1. OUTPUT MESSAGE FORMAT

tt VER TWOPTY
*****For further details*****
*****see ver oe*****

2. EXPLANATION OF MESSAGE

3. EXPLANATION OF VARIABLE FIELD

4. ACTION TO BE TAKEN

5. REFERENCES

CHL=ALL

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