

Lucent Technologies
Bell Labs Innovations



4ESSTM Switch
1B Processor
Proprietary
AT&T Exclusive

Input / Output Messages

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Lucent Technologies—Proprietary
Use Pursuant to Company Instructions.

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Lucent Technologies—Proprietary

Use Pursuant to Company Instructions.

PROPRIETARY MESSAGES ALPHABETICAL INDEX

INPUT MESSAGES

MESSAGE NAME	MESSAGE ID	START GENERIC	ISSUE
OP:BUNSTAT	OP:BUNSTAT	4E19	1.2
OP:CAR	OP:CAR	4E24	1.5
OP:DCONN	OP:DCONN	4E21	1.3
OP:PCCGW	OP:PCCGW	4E20	1.2
OP:SCRN	OP:SCRN	4E22R3	1.4
ORD:CAR	ORD:CAR	4E24	1.5
ORD:USEC	ORD:USEC	4E19	1.3
RCCNL:ROLLBACK	RCCNL:ROLLBACK	4E24	1.7
RC:MISC;FHT,FTA:ASTN56AVL	RC:MISC-ASTN56A	4E19	1.3
RC:MISC;FHT,FTA:ASTN56GRO	RC:MISC-ASTN56G	4E19	1.3
RC:MISC;FHT,FTA:ASTN56LK	RC:MISC-ASTN56L	4E19	1.3
RC:MISC;FHT,FTA:ASTN56OBH	RC:MISC-ASTN56O	4E19	1.3
RMV:PCCGW	RMV:PCCGW	4E19	1.2
RST:PCCGW	RST:PCCGW	4E19	1.2
SET:BUNSTAT	SET:BUNSTAT	4E19	1.2
STOP:OP;BUNSTAT	STOP:OP-BUNSTAT	4E19	1.2
STOP:OP;CAR	STOP:OP-CAR	4E24	1.5
STOP:OP;DCONN 400	STOP:OP-DCONN	4E21	1.3
SW:SD	SW:SD	4E24R3	1.5
SW:SDP	SW:SDP	4E24R3	1.5
TEST:NRNDB	TEST:NRNDB	4E27R2	1.8
TEST:SD	TEST:SD	4E24R3	1.5
TEST:TCAPDSD	TEST:TCAPDSD	4E24R3	1.5
UPD:BUNSTAT	UPD:BUNSTAT	4E19	1.2
UPD:HDATA	UPD:HDATA	4E19	1.5
VER:ASCIT	VER:ASCIT	4E27R2	1.8
VER:CODEGRP;OPT LNP	VER:CODEGRP-LNP	4E22R2	1.4
VER:CODEGRP;OPT PORT	VER:CODEGRP-PORT	4E25R4	1.7
VER:CODEGRP;OPT RSVD	VER:CODEGRP-RSVD	4E25R4	1.7
VER:EA;SC:IIDIGITS	VER:EA-SC-IIDIG	4E23	1.4
VER:EA;SC:OLI	VER:EA-SC-OLI	4E23	1.4
VER:MISC	VER:MISC	4E24R3	1.7
VER:MISC ADABLK	VER:MISC-ADABLK	4E24	1.6
VER:MISC ESCR	VER:MISC-ESCR	4E25R3	1.7
VER:MISC:FHT CAROFCDAT	VER:MISC-FHT-CAR	4E24	1.5
VER:MISC:FHT CICTORSIX	VER:MISC-FHT-CIC	4E24R2	1.5
VER:MISC:FHT PAYPHONE	VER:MISC-FHT-PAY	4E22R3	1.4
VER:MISC:FHT QUIETHEAR	VER:MISC-FHT-QUI	4E20-4E25	1.7
VER:MISC:FHT SDDRPCSSN	VER:MISC-FHT-SDD	4E24R3	1.5

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Use pursuant to Company Instructions.

PROPRIETARY MESSAGES ALPHABETICAL INDEX

INPUT MESSAGES *(Continued)*

MESSAGE NAME	MESSAGE ID	START GENERIC	ISSUE
VER:MISC:FHT SGDRPCSSN	VER:MISC-FHT-SGD	4E22	1.3
VER:MISC:FHT LRGNASIGN	VER:MISC-FHTLRGN	4E23R2	1.5
VER:MISC:FHT MASTERLRN	VER:MISC-FHTMAST	4E22R4	1.4
VER:MISC:FHT OSPSBNTBN	VER:MISC-FHTOSBN	4E20	1.2
VER:MISC:FHT OSPSTBNID	VER:MISC-FHTOSID	4E25	1.6
VER:MISC NEIPAV	VER:MISC-NEIPAV	4E25R3	1.7
VER:MISC NPRSVD	VER:MISC-NPRSVD	4E25R4	1.7
VER:MISC SD	VER:MISC-SD	4E25R4	1.7
VER:RTGLIST	VER:RTGLIST	4E23	1.6
VER:RTNR:CSCI	VER:RTNR-CSCI	4E22R2	1.4
VER:SERVICE	VER:SERVICE	4E19	1.6
VER:TRK:TAN	VER:TRK-TAN	4E22	1.3
VER:TRK:TAN a[-a], OPT USEC	VER:TRK-USEC	4E19	1.3
VER:TSG;SPU	VER:TSG-SPU	4E22	1.3
VER:USEC	VER:USEC-SADC	4E19	1.2
VER:VFUNC	VER:VFUNC	4E22	1.3
VER:VFUNC PLUCHK	VER:VFUNC-PLUCHK	4E23	1.4
VER:VFUNC RCMEASCT	VER:VFUNC-RCMEAS	4E24	1.5
VER:VFUNC XTSIPM	VER:VFUNC-XTSIPM	4E22	1.3
VER:VFUNC XTSPUDG	VER:VFUNC-XTSPUD	4E22	1.3
VER:VFUNC XTUNASPU	VER:VFUNC-XTUNAS	4E22	1.3

PROPRIETARY MESSAGES ALPHABETICAL INDEX

OUTPUT MESSAGES

MESSAGE NAME	MESSAGE ID	START GENERIC	ISSUE
CPN ANOMALY REPORT	CPN:ANOMALY	4E21	1.3
DUMP:XTSI	DUMP:XTSI-SPU	4E22	1.4
OP:BUNSTAT	OP:BUNSTAT	4E19	1.2
OP:OOSUNITS	OP:OOSUNITS-IPC	4E19	1.2
OP:PCCGW	OP:PCCGW	4E20	1.2
OP:SCRN	OP:SCRN	4E22R3	1.4
OP:SDC ASTN	OP:SDC-ASTN	4E19	1.2
OP:SDC (ESTN FLINK	OP:SDC-ESTN	4E19	1.2
ORD:USEC	ORD:USEC	4E19	1.2
REPT:ASTN56LINK	REPT:ASTN56LINK	4E19	1.2
REPT:BUNS	REPT:BUNS	4E19	1.2
REPT:BUNSMEAS	REPT:BUNSMEAS	4E19	1.2
REPT:IAOFC	REPT:IAOFC	4E27R2	1.8
REPT:IATSG	REPT:IATSG	4E23	1.4
REPT:IPCC:ALARMS	REPT:IPCC-ALARMS	4E19	1.2
REPT:IPCC BUFFER	REPT:IPCC-BUFFER	4E19	1.2
REPT:IPCC GW a CRITICAL	REPT:IPCC-CRIT	4E20	1.2
REPT:IPCC GATEWAY	REPT:IPCC-GATEWAY	4E19	1.2
REPT:IPCC GW	REPT:IPCC-GW	4E19	1.2
REPT:IPCC	REPT:IPCC-LINK	4E19	1.2
REPT:IPCC	REPT:IPCC-LINKSTA	4E19	1.2
REPT:IPCC MULTIPLE	REPT:IPCC-MULGATE	4E19	1.2
REPT:IPCC MULTIPLE	REPT:IPCC-MULUSEC	4E19	1.2
REPT:IPCC USEC MESSAGE Q	REPT:IPCC-U-MSG-Q	4E20	1.2
REPT:IPCC USEC	REPT:IPCC-USEC	4E19	1.2
REPT:IPCC USEC QH	REPT:IPCC-USEC-QH	4E20	1.2
REPT:SD	REPT:SD	4E24R3	1.5
REPT:SDC:ASTN	REPT:SDC-ASTN	4E19	1.2
REPT:SDC:BUNSFLINK	REPT:SDC-BUNSFLNK	4E19	1.2
REPT:SDC IPCC	REPT:SDC-IPCC	4E19	1.2
RMV:PCCGW	RMV:PCCGW	4E19	1.2
RST:PCCGW	RST:PCCGW	4E19	1.2
TEST:NRNDB	TEST:NRNDB	4E27R2	1.8
TEST:SD	TEST:SD	4E25R3	1.7
TEST:TCAPDSD	TEST:TCAPDSD	4E24R3	1.5
UPD:BUNSTAT	UPD:BUNSTAT	4E19	1.2
VER:ASCIT;OPT(ANSR)	VER:ASCIT-ANSR	4E27R2	1.8

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OUTPUT MESSAGES (Continued)

MESSAGE NAME	MESSAGE ID	START GENERIC	ISSUE
VER:CODEGRP;OPT(DIG3)	VER:CODEGRP-03	4E23R3	1.5
VER:CODEGRP;OPT(DIG6)	VER:CODEGRP-06	4E23R3	1.5
VER:CODEGRP;OPT(DIG9)	VER:CODEGRP-09	4E23R3	1.5
VER:CODEGRP;OPT(DIG12)	VER:CODEGRP-12	4E23R3	1.4
VER:CODEGRP;LIST; OPT(INTL-RECSCH)	VER:CODEGRP-INTL	4E24	1.5
VER:CODEGRP;OPT(LNP)	VER:CODEGRP-LNP	4E22R2	1.4
VER:CODEGRP;OPT(PLUCHK)	VER:CODEGRP-PLU	4E23	1.4
VER:CODEGRP;OPT(PORT[-ALL])	VER:CODEGRP-PORT	4E25R4	1.7
VER:CODEGRP;OPT(RSVD[-ALL])	VER:CODEGRP-RSVD	4E25R4	1.7
VER:EA;OPT(IOSC)	VER:EA-IOSC	4E21	1.4
VER:EA;OPT(SII)	VER:EA-SII	4E22	1.3
VER:MEMORY;OPT(EM)	VER:MEMORY-EM	4E26	1.7
VER:MISC ADABLK	VER:MISC-ADABLK	4E24	1.6
VER:MISC BLKAID	VER:MISC-BLKAID	4E23R4	1.5
VER:MISC;OPT(CHGMCT,UNA)	VER:MISC-CHGMCT	4E23R4	1.5
VER:MISC;OPT(CHGMRT,UNA)	VER:MISC-CHGMRT	4E23R4	1.5
VER:MISC;OPT(CSRSDX)	VER:MISC-CSRSDX	4E23R3	1.5
VER:MISC DARN	VER:MISC-DARN	4E24R3	1.7
VER:MISC ESCR	VER:MISC-ESCR	4E25R3	1.7
VER:MISC:FHT CAROFCDAT	VER:MISC-FHT-CAR	4E24	1.5
VER:MISC:FHT CICTORSIX	VER:MISC-FHT-CIC	4E24R2	1.5
VER:MISC:FHT PAYPHONE	VER:MISC-FHT-PAY	4E22R3	1.4
VER:MISC:FHT QUIETHEAR:	VER:MISC-FHT-QUI	4E20-4E25	1.7
VER:MISC:FHT SDDRPCSSN	VER:MISC-FHT-SDD	4E24R3	1.5
VER:MISC:FHT SGDRPCSSN	VER:MISC-FHT-SGD	4E22	1.3
VER:MISC:FHT LRGNASIGN	VER:MISC-FHTLRGN	4E23R2	1.5
VER:MISC:FHT OSPSBNTBN	VER:MISC-FHTOSBN	4E20	1.2
VER:MISC:FHT OSPSTBNID	VER:MISC-FHTOSID	4E25	1.6
VER:MISC;OPT(LAM)	VER:MISC-LAM	4E21R4	1.3
VER:MISC;OPT(LRNASN)	VER:MISC-LRNASN	4E23R2	1.5
VER:MISC NEIPAV	VER:MISC-NEIPAV	4E25R3	1.7
VER:MISC NPRSVD	VER:MISC-NPRSVD	4E25R4	1.7
VER:MISC;OPT(XTSIPM)	VER:MISC-XTSIPM	4E22	1.3
VER:OFFICE	VER:OFFICE	4E23R3	1.5
VER:RCMEASCT	VER:RCMEASCT	4E24	1.5
VER:RTGLIST	VER:RTGLIST	4E23	1.4
VER:RTNR	VER:RTNR-CSCI	4E26	1.7

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PROPRIETARY MESSAGES ALPHABETICAL INDEX

OUTPUT MESSAGES (*Continued*)

MESSAGE NAME	MESSAGE ID	START GENERIC	ISSUE
VER:RTNR;OPT(MSI)	VER:RTNR-MSI	4E27R2	1.8
VER:SD	VER:SD	4E25R4	1.7
VER:SERVICE;OPT(SRVC)	VER:SERVICE	4E22	1.6
VER:SUBUTP;OPT(XTSISPU)	VER:SUBUTP-XTSIS	4E22	1.3
VER:TRK;OPT(USEC)	VER:TRK-USEC	4E19	1.2
VER:TRK;OPT(XSPU)	VER:TRK-XSPU	4E22	1.3
VER:TRK;OPT(XTSPUDG)	VER:TRK-XTSPUDG	4E22	1.3
VER:TRK;OPT(XTUNASPU)	VER:TRK-XTUNASPU	4E22	1.3
VER:TSG;OPT(TSGSPU)	VER:TSG-TSGSPU	4E22	1.3
VER:USDST	VER:USDST	4E21R4	1.3
VER:USEC	VER:USEC-SADC	4E19	1.2

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ID OP:BUNSTAT
WORK CENTER.. MOC, TOC
GENERIC 4E19 and later
CLASS TMTC
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Format [1] provides the identities of the Alternate Signaling Transport Network (ASTN) F-Links, by Network Switch Number (NSN) and office code, and also to output the current status of the ASTN F-Links. The In-service/out-of-service as well as the congestion status will be output. Also, this message will specify the type of F-Links (4.8 or 56kbps), the growth status, and the outbound helper indication.

Format [2] provides the status of the ASTN F-Link layers and ASTN A-Link layers for the input NSN. The data output provides the status of the office F-Link layers in terms of their use as helper F-Links to reach the input NSN. The ASTN A-Link status provides information as to those switches which have F-Link connectivity to the input NSN.

Format [3] provides an output segment of the **OP:BUNSTAT:NSN**. Format [2] for each NSN.

2. FORMAT

- [1] **OP:BUNSTAT!**
- [2] **OP:BUNSTAT:NSN a!**
- [3] **OP:BUNSTAT:ALL!**

3. EXPLANATION OF MESSAGE

- a Network switch number (1-176).

4. SYSTEM RESPONSE

- PF Printout Follows. Followed by an **OP:BUNSTAT** output message.

5. REFERENCES

PIDENT
TMADBUNS

Output Message
OP:BUNSTAT

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ID OP:CAR
WORK CENTER.. TOC
GENERIC 4E24 and later
CLASS ALL
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Outputs the current data related to the Calling Party Number (CPN) anomaly capability.

This capability has three modes of operation:

OFF Capability is disabled.

COLLECTION Capability is in a counting mode of operation, counting Calling Party Number (CPN) anomalies per specified Trunk Subgroup (TSG).

DETECTION Capability is in a detecting mode of operation, merely recording that an occurrence of CPN anomaly has occurred.

NOTE: When an autonomous report is issued, all entries are zeroed.

Format 1 will output the CPN anomaly data for assigned trunk subgroups based on the current feature mode of the CPN anomaly capability.

Format 2 will output the CPN anomaly data for the input trunk subgroup based on the current feature mode of the CPN anomaly capability.

2. FORMAT

[1] **OP:CAR!**

[2] **OP:CAR[,TSGN a|,CIN b]!**

3. EXPLANATION OF MESSAGE

a Trunk Subgroup Number (**TSGN**) of entry to be output.

b Circuit Identification Name (**CIN**) of entry to be output consisting of a traffic number and the Common Language Location Identifier (CLLI) code.

4. SYSTEM RESPONSE

?D Data field contains an error. Invalid data has been input (i.e. **TSGN** out of range or undefined).

?I Identification field contains an error. Invalid options have been input (i.e. both **TSGN** and **CIN** have been entered).

NG No Good. Current mode of this capability is in the OFF or an undefined state.

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PF Printout Follows.
RL Retry Later. System resources are currently unavailable.

5. REFERENCES

PIDENTs
IOCPIMC4
TMTCCAR

Input Messages
ORD: CAR
STOP: OP-CAR
VER: MISC-FHT-CAR

Output Message
CPN: ANOMALY

ID OP:DCONN
WORK CENTER.. MOC, TOC
GENERIC 4E21 through 4E23
CLASS TMTC
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

To output the per Trunk Subgroup (TSG) Calling Party Number (CPN) anomaly counts.

2. FORMAT

- [1] **OP:DCONN a!**
- [2] **OP:DCONN 403,NUM b!**
- [3] **OP:DCONN 404,TSGN c!**

3. EXPLANATION OF MESSAGE

- a 400 — Output all non-zero TSG CPN counts.
 401 — Output all non-zero TSG CPN counts and zero all counters.
 402 — Output all TSG CPN counts which exceed the ODA threshold.
- b Output all TSG CPN counts which exceed the input value (0-4095).
- c Output the TSG CPN count for the input Trunk Subgroup Number
 (**TSGN**) (0-4095).

4. SYSTEM RESPONSE

- NG No Good. No data present.
- PF Printout Follows.

5. REFERENCES

PIDENTs
TMTCDATA

Input Message
STOP:OP-DCONN

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ID OP:PCCGW
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E20 Rel. 3 and later
CLASS TMTC
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Request the current status of the Individual Per Call Control (IPCC) gateway primary and secondary ports, the identity of the master switch and the identities of all switches in the gateway complex by switch name and IPCC gateway version numbers.

2. FORMAT

OP : PCCGW!

3. EXPLANATION OF MESSAGE

See Purpose.

4. SYSTEM RESPONSE

PF Printout Follows.

RL Retry Later.

5. REFERENCES

PIDENTs
IPCC

Input Messages
RMV : PCCGW
RST : PCCGW

Output Messages
OP : PCCGW
RMV : PCCGW
RST : PCCGW

LUCENT TECHNOLOGIES – PROPRIETARY
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ID OP:SCRN
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E22 Rel. 3 and later
CLASS TMTC
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Outputs and/or audits the contents of the specified entry.

Formats [1-4] is used for High Capacity Calling (HICAP) data tables.

Format [5] is used to output the contents of the specified Split Access Flexible Egress Routing (SAFER) entry; indexes with the Switch Identification (**SSS1**) digits to obtain the stored **SSS2** digits.

Format [6] is used for output the contents of the specified Alternate Destination Call Redirection (ADCR) entry; indexes with the **SSS1** digits to obtain the stored **SSS2** digits.

Format [7] is used for a single customer request (Express Connect ®).

Format [8] is used for a request for total number of entries (Express Connect ®).

Format [9] is used for a request for all assigned entries (Express Connect ®).

Format [10] is used for a request for subset of assigned entries (Express Connect ®).

Format [11] is used to output the data for the Alternate Number Translations (ANT) data tables. (Also known as Inbound Services Emergency Translations [ISET] Tables.)

2. FORMAT

- [1] **OP:SCRN;SUM:STAT HICAPDATA,IA ALL!**
- [2] **OP:SCRN;DETL:STAT HICAPDATA,IA {ALL|INB|INF}**
[{,DIG a|,TRAPN b}[NUM c]]!
- [3] **OP:SCRN;DETL:STAT HICAPSCHD,IA {ALL|INB|INF}**
[{,DIG a|,TRAPN b}[NUM c]]!
- [4] **OP:SCRN;DETL:STAT HICAPANNT,IA ALL!**
- [5] **OP:SCRN;DETL:STAT SAFERDATA,IA DOM,DIG d!**
- [6] **OP:SCRN;DETL:STAT ADCRDATA,IA DOM,DIG d!**
- [7] **OP:SCRN;DETL:STAT XRNRECORD,IA ALL,TRAPN e!**

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- [8] **OP:SCRN;SUM:STAT XRNRECORD,IA ALL!**
- [9] **OP:SCRN;DETL:STAT XRNRECORD,IA ALL!**
- [10] **OP:SCRN;DETL:STAT XRNRECORD,IA ALL,TRAPN e,NUM f!**
- [11] **OP:SCRN;DETL:STAT ANTRECORD,IA {ALL|800|900|196}...**
 ...[{DIG a|TRAPN b}[,NUM c]]!

3. EXPLANATION OF MESSAGE

SUM	Requests a list audit and a summary output.
DETL	Requests a list audit for the entire list or a range of the list as specified.
INB	All INBOUND numbers will be output.
INF	All Information-1 (INFO-1).
ALL	All HICAP or Express Connect ® numbers will be output.
a	10-digit directory number.
b	Slot number at which to begin output (starts with a value of 0 for the first slot).
c	Number of consecutive slots to output. Starting from slot specified by the directory number or the given slot number.
d	3-digit number (SS1).
e	Customer data block index (0000-4095).
f	Number of assigned entries to be output.
800	All 8yy (800, 888, 877, 866, 855, 844, 833, 822) called digits entries will be output.
900	All 900 called digit entries will be output.
196	All 196 called digit entries will be output.

4. SYSTEM RESPONSE

?D	Data field contains an error. Invalid digits.
?D CODE 6	Data field contains an error. Range failure of NUM option.
?D CODE 7	Data field contains an error. Range failure of slot number plus NUM option. (Extends beyond end of list.)
PF	Printout Follows.

NOTE: If any other ?D CODEs are observed, seek technical assistance IMMEDIATELY.

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OP:SCRN

5. REFERENCES

PIDENTs
VRFYFHT

Output Message
OP:SCRN

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ID ORD:CAR
WORK CENTER.. TOC
GENERIC 4E24 and later
CLASS ALL
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Clears the per Trunk Subgroup (TSG) Calling Party Number (CPN) anomaly data.

Format 1 will clear the CPN anomaly data for all TSGs in the office based on the current feature mode in effect. If the feature is in the collection mode of operation, then only the collection count will be cleared. If the feature is in the detection mode of operation, then only the detection data will be cleared. Note that if the feature mode is OFF, then each TSG entry will be cleared.

Format 2 will clear the CPN anomaly data for the input TSG based on the current feature mode in effect. If the feature is in the collection mode of operation, then only the collection count will be cleared. If the feature is in the detection mode of operation, then only the detection data will be cleared. Note that if the feature mode is OFF, then the entire entry for the input TSG will be cleared.

Format 3 will clear the CPN anomaly data for all TSGs in the office. Each entire entry (both collection and detection portions) will be cleared regardless of the current feature mode.

Format 4 will clear the CPN anomaly data for the specified TSG. The entire entry (both collection and detection portions) will be cleared regardless of the current feature mode.

2. FORMAT

- [1] **ORD:CAR!**
- [2] **ORD:CAR,{TSGN a|CIN b}!**
- [3] **ORD:CAR;ALL!**
- [4] **ORD:CAR,{TSGN a|CIN b};ALL!**

3. EXPLANATION OF MESSAGE

- a Trunk subgroup number of entry to be cleared
- b Circuit Identification Name (**CIN**) of entry to be cleared consists of a traffic number and the Common Language Location Identifier (CLLI).

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4. SYSTEM RESPONSE

?D	Data field contains an error. Invalid data has been input (i.e. TSGN out of range or unassigned).
?I	Identification field contains an error. Invalid options have been input (i.e. both TSGN and CIN have been entered).
OK	Good. Function will be performed
RL	Retry Later. System resources are currently unavailable

5. REFERENCES

PIDENT
IOCPIMC4
TMTCCAR

Input Messages
OP: CAR
STOP: OP-CAR

ID ORD:USEC
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E19 and later
CLASS TMTC
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

The purpose of this message is to send either "start of call" or "end of call" orders to the Universal Services Echo Canceler (USEC) frame. Optionally, for Individual Per Call Control (IPCC) trunks, the Maintenance (MTCE) and End Switch (ES) indicators can also be sent in the "start of call" message.

2. FORMAT

[1] **ORD:USEC;START[,MTCE][,ES]:{CIN a|TSN b|TAN c|OTAN d}!**

[2] **ORD:USEC;END:{CIN a|TSN b|TAN c|OTAN d}!**

3. EXPLANATION OF MESSAGE

- a Circuit Identification Number (**CIN**) of trunk.
- b Trunk Scanner Number (**TSN**) of trunk.
- c TSI-SPC-PORT-CHANNEL Trunk Appearance Number (**TAN**) of trunk:
- CHANNEL — A 3-digit decimal number indicating channel, range 0-127.
- PORT — A 1-digit decimal number indicating port of Time Slot Interchange (TSI), range 0-6.
- SPC — A 1-digit decimal number indicating SP of TSI, range 0-1.
- TSI — A 2-digit decimal number indicating the Time Slot Interchange (TSI) member number, range 00-63.
- d Seven-digit Octal Trunk Appearance Number (**OTAN**) of trunk.
- MTCE** When the MTCE indicator is specified, then the "start of call" order will contain the maintenance indicator set to on.
- ES** When the End Switch (ES) indicator is specified, then the "start of call" order will specify the end switch value as end switch, otherwise the end switch will be specified as a via switch (this is not applicable to Transmitted Noise Reduction (TNR) trunks)

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4. SYSTEM RESPONSE

?D	Data field contains an error. One of the following conditions occurred: Neither START nor END keywords were input. Both START and END keywords were input. The END and the MTCE keyword were both input.
PF	Printout Follows.

5. REFERENCES

PIDENTs
IPCC
TMAD0005

Output Message
ORD:USEC

ID RC:MISC-ASTN56A
WORK CENTER.. MOC
GENERIC 4E19 and later
CLASS RC
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

The purpose of this Recent Change message is to place 56KBs links or link pairs into an available state. This recent change function requires that the links are defined as 56KB links, but does not require that the links are Alternate Signaling Transport Network (ASTN) defined via the RC:MISC-ASTN56L input message.

Format [1] is used for individual links.

Format [2] is used for link pairs.

2. FORMAT

[1] **RC:MISC;FHT,FTA:ASTN56AVL,a,C,I,b!**

[2] **RC:MISC;FHT,FTA:ASTN56AVL,a,C,P,c!**

3. EXPLANATION OF MESSAGE

- | | |
|----------|--|
| a | Recent Change order number (1-999999). |
| C | Change. |
| I | Individual link. |
| P | Both members of the link pair. |
| b | Link indices. Up to 8 link indices may be input separated by commas; link indices require 6 digits (000000-000007). Up to 8 links may be input. |
| c | Link indices. Up to 4 link indices may be input separated by commas; link indices require 6 digits (000000-000007). Up to 4 links, each representing a link pair may be input. |

4. SYSTEM RESPONSE

PF Printout Follows.

5. REFERENCES

PIDENTs
RCMPASTN
RCMPFHTV
TMADBUNS

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4ESS
4B000-01AC

RC:MISC;FHT,FTA:ASTN56AVL

Output Messages
OP: BUNSTAT
OP: SCHAN

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Use pursuant to Company Instructions.

RC:MISC-ASTN56A-2

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ID RC:MISC-ASTN56G
WORK CENTER.. MOC
GENERIC 4E19 and later
CLASS RC
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

The purpose of this Recent Change message is to place 56KBs links or link pairs into a growth state. This recent change function requires that the links are defined as 56KB links, but does not require that the links are Alternate Signaling Transport Network (ASTN) defined via the RC:MISC-ASTN56L input message.

Format [1] is used for individual links.

Format [2] is used for link pairs.

2. FORMAT

[1] **RC:MISC;FHT,FTA:ASTN56GRO,a,C,I,b!**

[2] **RC:MISC;FHT,FTA:ASTN56GRO,a,C,P,c!**

3. EXPLANATION OF MESSAGE

- | | |
|----------|--|
| a | Recent Change order number (1-999999). |
| C | Change. |
| I | Individual link. |
| P | Both members of the link pair. |
| b | Link indices. Up to 8 link indices may be input separated by commas; link indices require 6 digits (000000-000007). Up to 8 links may be input. |
| c | Link indices. Up to 4 link indices may be input separated by commas; link indices require 6 digits (000000-000007). Up to 4 links, each representing a link pair may be input. |

4. SYSTEM RESPONSE

PF Printout Follows.

5. REFERENCES

PIDENTs
RCMPASTN
RCMPFHTV
TMADBUNS

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Use pursuant to Company Instructions.

4ESS
4B000-01AC

RC:MISC;FHT,FTA:ASTN56GRO

Output Messages
OP: BUNSTAT
OP: SCHAN

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Use pursuant to Company Instructions.

RC:MISC-ASTN56G-2

Issue 1.7
September 2000

ID RC:MISC-ASTN56L
WORK CENTER.. MOC
GENERIC 4E19 and later
CLASS RC
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

The purpose of this Recent Change message is to define the 56KB Alternate Signaling Transport Network (ASTN) links to a destination switch.

2. FORMAT

RC:MISC;FHT,FTA:ASTN56LK a,b,c,d,e!

3. EXPLANATION OF MESSAGE

- a Link index (0 through 7), link indices are grouped into pairs: 0 and 1, 2 and 3, 4 and 5, 6 and 7.
- b Recent Change order number (1-999999).
- c Function:
 - A — Add
 - C — Change
 - D — Delete
- d Individual link or link pair identifier:
 - I — Individual link.
 - P — Pair of links.
- e Network Switch Number (NSN) of the far end switch; a six digit field is required, using leading zeroes

4. SYSTEM RESPONSE

PF Printout Follows.

5. REFERENCES

PIDENTs
RCMPASTN
RCMPFHTV
TMADBUNS

Output Messages
OP:BUNSTAT
OP:CHAN

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID RC:MISC-ASTN56O
WORK CENTER.. MOC
GENERIC 4E19 and later
CLASS RC
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

The purpose of this Recent Change message is to identify the 56KB Alternate Signaling Transport Network (ASTN) links which will function as Outbound Helpers.

The inputting of this Recent Change message NEGATES the use of the outbound helpers in the same region as the victim which are automatically determined via internal ASTN processing. Once this Recent Change message is entered, ALL outbound helpers must be specified via this form, with the Network Switch Numbers (NSNs) separated by commas.

2. FORMAT

RC:MISC;FHT,FTA:ASTN56OBH,a,b,P,c!

3. EXPLANATION OF MESSAGE

a	Recent Change order number (1-999999).
b	Function: A — Add D — Delete
P	Both members of the link pair.
c	Network Switch Number (NSN) of the layer to be specified as an Outbound Helper; a six digit field is required, using leading zeroes; up to 4 NSNs may be input per form.

4. SYSTEM RESPONSE

PF Printout Follows.

5. REFERENCES

PIDENTs
RCMPASTN
RCMPFHTV
TMADBUNS

Output Messages
OP:BUNSTAT
OP:CHAN

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Use pursuant to Company Instructions.

ID RCCNL:ROLLBACK
WORK CENTER.. MOC
GENERIC 4E24 and later
CLASS RC
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

To remove one recent change that has been successfully entered in the system. This message affects the recent change that is next in line for rollback (that is, the recent change that was last entered successfully in the system).

2. FORMAT

RCCNL:ROLLBACK[;UCL]!

3. EXPLANATION OF MESSAGE

UCL	Unconditional. This variable forces a rollback on a recent change that is restricted from rollback under normal conditions. A list of restricted recent changes is contained in Table 1.
-----	--

4. SYSTEM RESPONSE

?C	Channel is not valid for this message. Not a recent change channel.
?NG	Recent change restricted to the Maintenance Operations Center (MOC) work center.
PF	Printout Follows.
RL	Retry Later.

5. REFERENCES

PIDENT
RCMUOO

Translation Guide, 4ESSTM, TG-4, Division 7, Section 10a

Output Message
REPT:RCCNL - INIT

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Use pursuant to Company Instructions.

Table 1

Rollback Restrictions of Recent Change Forms

FORM	DESCRIPTION
107	Change Trunk Subgroup (TSG) characteristics to 2-way TSG
108	Change TSG characteristics to 1-way in TSG
109	Change TSG characteristics to 1-way out TSG
111	Trunk Subgroup conversion (CCIS6/CCS7)
200	Add trunks
202	Delete trunks
203	Add Common Channel Interoffice Signaling (CCIS) trunks
204	Add Voice Frequency Link (VFL) trunks
205	Add new TAN Nailups
206	Delete TAN Nailups
207	LACID to D-Channel Assignment
208	Change Trunk Characteristics
211	TAN to XTSI SPU Assignment
604	Add Public Announcement Service (PAS) announcement
605	Change PAS announcement
606	Delete PAS announcement
607	Add PAS with televote
608	Add PAS with televote continue form
609	Delete PAS with televote
610	Add PAS with cut-through
611	Change PAS with cut-through
612	Delete PAS with cut-through
700	Grow unit type
701	Degrow unit type
702	DIU Function Assignment
705	XTSI Unit Version & Equipage
706	XTSI SPU Sub-Unit Type Data
707	XTSI DS1 Configuration
708	XTSI IBU Sub-Unit Type Data
800	Absolute word change
801	Functional translator change
807	Change Terminal Label Assignments
809	Change Feature Bits
810	Change Miscellaneous Feature Information
812	Enhanced Absolute Word Change

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ID RMV:PCCGW
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E19 and later
CLASS TMTC
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Request to remove the specified Individual Per Call Control (IPCC) gateway port. The master switch is the only switch that can initiate the removal of a gateway.

2. FORMAT

RMV:PCCGW a[;UCL]!

3. EXPLANATION OF MESSAGE

a Gateway:
 1 — Primary.
 2 — Secondary.

UCL Unconditional.

4. SYSTEM RESPONSE

?D Invalid Gateway (GW) input.
PF Printout Follows.
RL Retry Later.

5. REFERENCES

PIDENTs
IPCC

Input Messages
OP:PCCGW
RST:PCCGW

Output Messages
OP:PCCGW
RMV:PCCGW
RST:PCCGW

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ID RST:PCCGW
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E19 and later
CLASS TMTC
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Request the restoral of the Individual Per Call Control (IPCC) gateway primary or secondary port. The master switch is the only switch that can initiate the restoral of a gateway.

2. FORMAT

RST:PCCGW a!

3. EXPLANATION OF MESSAGE

a Gateway:
1 — Primary.
2 — Secondary.

4. SYSTEM RESPONSE

?D Data field contains an error. Invalid Gateway (GW) input.
PF Printout Follows.
RL Retry Later.

5. REFERENCES

PIDENTs
IPCC

Input Messages
OP:PCCGW
RMV:PCCGW

Output Messages
OP:PCCGW
RMV:PCCGW
RST:PCCGW

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Use pursuant to Company Instructions.

ID SET:BUNSTAT
WORK CENTER.. MOC, TOC
GENERIC 4E19 and later
CLASS TMTC
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

The purpose of this message is to either allow or inhibit an individual Alternate Signaling Transport Network (ASTN) F-Link layer.

Format [1] allows or inhibits all ASTN F-Link layers.

Format [2] allows or inhibits the ASTN - Network Interconnect (NI) capability.

When an ASTN F-Link layer is inhibited, that layer cannot transport any ASTN traffic.

2. FORMAT

[1] **SET:BUNSTAT;{ALW|INH}[:NSN a| :ALL]!**

[2] **SET:BUNSTAT;{ALW|INH}!**

3. EXPLANATION OF MESSAGE

ALW	Allow.
INH	Inhibit.
a	Network Switch Number (NSN) (1-176). The F-Link layer corresponding to the input NSN will be inhibited or allowed.
ALL	Inhibit or allow all of the F-Link layers

4. SYSTEM RESPONSE

?C	Channel is not valid for this message. Invalid channel requesting action.
?D	Data field contains an error. Invalid data input.
PF	Printout Follows. Followed by an output message.

5. REFERENCES

PIDENT
TMADBUNS

Input Message
OP:BUNSTAT

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4ESS
4B000-01AC

SET:BUNSTAT

Output Messages

OP: BUNSTAT
OP: SDC-ASTN
OP: SDC-ESTN
REPT: SDC-BUNSFLNK
UPD: BUNSTAT

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Use pursuant to Company Instructions.

ID STOP:OP-BUNSTAT
WORK CENTER.. MOC, TOC
GENERIC 4E19 and later
CLASS TMTC
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

This message is used to terminate the printing of the OP:BUNSTAT output message when the ALL keyword is used in the OP:BUNSTAT input message.

2. FORMAT

STOP:OP;BUNSTAT!

3. EXPLANATION OF MESSAGE

See Purpose.

4. SYSTEM RESPONSE

OK Good. Request accepted.

5. REFERENCES

PIDENT
TMADBUNS

Input Message
OP:BUNSTAT

Output Message
OP:BUNSTAT

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID STOP:OP-CAR
WORK CENTER.. TOC
GENERIC 4E24 and later
CLASS ALL
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Terminates the printing of a segmented CPN:ANOMALY output message which is printing Calling Party Number (CPN) anomaly data.

This message has three formats, which can be used to fine tune the type of messages which are requested to be terminated.

Format 1 will terminate any segmented CPN:ANOMALY demand messages which are currently active on the same channel as the input **STOP** message.

Format 2 will terminate any segmented CPN:ANOMALY demand messages which are currently active on any channel.

Format 3 will terminate any segmented CPN:ANOMALY autonomous messages which are currently active on any channel. Autonomous messages can be issued each morning if the capability is in the collection mode; or on Sunday morning if the capability is in the detection mode.

2. FORMAT

- [1] **STOP:OP;CAR!**
- [2] **STOP:OP;CAR:ALL!**
- [3] **STOP:OP;CAR:REPT!**

3. EXPLANATION OF MESSAGE

See Purpose.

4. SYSTEM RESPONSE

NG	No Good. There are no active messages which can be stopped.
OK	Good. Any active message have been terminated; a final print with only the message header will occur.

5. REFERENCES

PIDENTs
IOCPIMC4
TMTCCAR

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4ESS
4B000-01AC

STOP:OP;CAR

Input Messages

OP: CAR
ORD: CAR

Output Message

CPN: ANOMALY

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STOP:OP-CAR-2

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September 2000

ID STOP:OP-DCONN
WORK CENTER.. MOC, TOC
GENERIC 4E21 and later
CLASS TMTC
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

To terminate the printing of the CPN:ANOMALY output message requested either manually via the OP:DCONN command or occurring autonomously.

2. FORMAT

STOP:OP;DCONN 400!

3. EXPLANATION OF MESSAGE

See Purpose.

4. SYSTEM RESPONSE

OK OK. Request has been accepted.

5. REFERENCES

PIDENTs
TMTCDATA

Input Message
OP:DCONN

Output Message
CPN:ANOMALY

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Use pursuant to Company Instructions.

ID SW:SD
WORK CENTER.. MOC
GENERIC 4E24 Rel. 3 and later
CLASS ALL
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Activates Backup Round-Robin Routing Table (BRRT) as the current active Segmentation Directory (**SD**) round-robin routing table. Or confirms that BRRT is the current active **SD** round-robin routing table.

2. FORMAT

SW:SD!

3. EXPLANATION OF MESSAGE

See Purpose.

4. SYSTEM RESPONSE

PF	Printout Follows.
RL	Retry Later.

5. REFERENCES

PIDENTs
SEGDMINT

Output Message
REPT:SD

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Use pursuant to Company Instructions.

ID SW:SDP
WORK CENTER.. MOC
GENERIC 4E24 Rel. 3 and later
CLASS ALL
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Activates Primary Round-Robin Routing Table (PRRT) as the current active Segmentation Directory (**SD**) round-robin routing table. Or confirms that PRRT is the current active **SD** round-robin routing table.

2. FORMAT

SW:SDP!

3. EXPLANATION OF MESSAGE

See Purpose.

4. SYSTEM RESPONSE

PF	Printout Follows.
RL	Retry Later.

5. REFERENCES

PIDENTs
SEGDMINT

Output Message
REPT:SD

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Use pursuant to Company Instructions.

ID TEST:NRNDB
WORK CENTER.. MAC, MOC, NMOC, TOC
GENERIC 4E27 Rel. 2 and later
CLASS ALL
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Requests a test query to be sent to the Network Routing and Numbering Database (**NRNDB**). The responses from the **NRNDB** will be printed.

2. FORMAT

TEST:NRNDB:SII a,DNBR b,DIGTYP c(,DIGITS d|,NPA e)[,OFAI f]...
...[,TFAI g][,CSR h][,RATE i][,L j]!

3. EXPLANATION OF MESSAGE

- a Service Identity Index (**SII**) (0-255).
- b Routing digits (1-15 digits).
- c Type of routing digits:
 - APN — Action Point Numbering Plan.
 - INTL— International.
 - NANP — North American Numbering Plan.
- d Country code (1-3 digits). This parameter identifies the country of origin of an inbound call.
- e Far-end Numbering Plan Area (**NPA**) (3 digits).
- f Origination Foreign Administration Identity (**FAI**) (1-31). Identifier of the foreign administration that routed the call to the AT&T network.
- g Termination **FAI** (1-31). Identifier of the foreign administration to which the call is to be routed.
- h Carrier Specific Routing (**CSR**) preference:
 - 0 — **CSR** not required.
 - 1 — **CSR** preferred.
 - 2 — **CSR** mandatory.
- i Used to specify a data rate for Direct Services Dialing (DSD) calls:
 - 0 — Non data (voice call).
 - 1 — 1.536 Megabits Per Second (MBPS) clear.
 - 2 — 1.536 MBPS restricted.

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Use pursuant to Company Instructions.

- 3 — 384 Kilobits Per Second (KBPS) clear.
- 4 — 384 KBPS restricted
- 5 — 64 KBPS clear.
- 6 — 56 KBPS.
- 7 — 64 KBPS restricted.

j

Operator Language digit:

- 1 — French speaking operator.
- 2 — English speaking operator.
- 3 — German speaking operator.
- 4 — Russian speaking operator.
- 5 — Spanish speaking operator.
- 6-9 — Reserved.

4. SYSTEM RESPONSE

?D	Data field contains an error. Invalid or out-of-range data was received in the input message.
?E	Syntax Error exists in the message but cannot be resolved to the proper field. An invalid keyword combination was discovered.
PF	Printout Follows. The test query has been initiated and a TEST :NRNDB output message will follow.
RL	Retry Later. An error has occurred due to building or sending the query.
RL, CODE 001	Retry Later. Test query register could not be seized.
RL, CODE 002	Retry Later. Received an audit condition when trying to send the query.
RL, CODE 003	Retry Later. Failed to send the query.

5. REFERENCES

PIDENTs
TCAPTEST

Output Message
TEST :NRNDB

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Use pursuant to Company Instructions.

ID TEST:SD
WORK CENTER.. MAC,MOC,NMOC,TOC
GENERIC 4E24 Rel. 3 and later
CLASS ALL
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Requests a test query to be sent to the Segmentation Directory (**SD**) database from the 4ESSTM Switch serving as an Originating AT&T Switch (OAS). This test query verifies Triangular Call Flow between the 4ESSTM (OAS), **SD**, and Service Processor (**SP**) (NCP database) utilizing the Common Channel Signaling Version 7 (CCS7) Transaction Capability Application Part (TCAP) protocol. It also will enable office personnel, via input messages, to initiate queries to verify the interactions between the 4E and **SD**, and the **SP** and the 4E. The contents of specific responses sent by the **SD** complex to the 4ESSTM, and the responses sent by the **SP** will be displayed. The **SP** response will only be printed if the **SD** response indicates to "wait for instructions". This query is designed to be used as a testing vehicle for data associated with a particular customer.

2. FORMAT

TEST:SD;DIG a:[QRYTYPE b[,]][DPC c[,]][ANI d[,]|ANI d,APN[,]][SP e[,]]
[TOS f[,]][NMTCH g[,]][CAR h[,]][SID i[,]][TYP j[,]][REF k[,]]
[TMSD l[,]][TMSP m[,]][AUTHCODE n[,]][CCF o[,]][DIGITS p[,]]
[LANI q[,]][TP r[,]][CD[,]][LIST]!

3. EXPLANATION OF MESSAGE

- a Called party number. A North American Numbering Plan (NANP) 1-15 digit number or 011 + International 5-15 digit number is required.
- b **SD**-Query type:
- 1 — Specific destination.
 - 2 — Any **SD** in current active routing table.
 - 3 — All **SDs** in current active routing table.
 - 4 — All **SDs** in primary routing table.
 - 5 — All **SDs** in backup routing table.
- c **SD** destination. **SD** point code is only entered if the **SD** query type is equal to specific destination.
- d Automatic Number Identification (**ANI**) digits. A 3-10 digit **ANI** is required.
- APN** Action Point Numbering Plan (**APN**) indicates **ANI** is **APN**.

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- e **SP** destination:
- 0 — Any available **SP**. Default.
 - 1 — **SP** address 1.
 - 2 — **SP** address 2.
 - 3 — **SP** address 3.
 - 4 — **SP** address 4.
 - 5 — **SP** address 5.
 - 6 — **SP** address 6.
 - 7 — **SP** address 7.
 - 8 — **SP** address 8.
- f Trunk Subgroup (TSG) service type:
- 1 — Software Defined Network (SDN)
 - 3 — Megacom®
 - 6 — Switched Digital Service (SDS)
 - 7 — Long Distance Service (LDS) Default.
- g Match restriction indicator. For **SD** Phase I, the default is always sent by the switch.
- 0 — No restrictions. Default.
 - 1 — Match on **ANI** only.
 - 2 — Match on Dialed Number (DN) only.
- h Carrier selection:
- 0 — No Indication
 - 1 — Selected carrier identification code presubscribed and not input by the call party.. Default.
 - 2 — Selected carrier identification code presubscribed and input by the calling party
 - 3 — Selected carrier identification code presubscribed, no indication of whether input by the calling party
 - 4 — Selected carrier identification code not presubscribed and input by the calling party
- i 1-15 digit calling directory number.
- j Origination station type. Format is two **ANI** II digits.

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k	Bearer capability requested: 0 — Voice call, default. 1 — 1.536 Megabits Per Second (MBPS) clear. 2 — 1.536 MBPS restricted. 3 — 384 MBPS clear. 4 — 384 MBPS restricted. 5 — 64 Kilobits Per Second (KBPS) clear. 6 — 56 KBPS. 7 — 64 KBPS restricted.
l	SD query test timer (5-120). Each number is an increment of 100 ms. Default value is the provisioned value.
m	SP response test timer (5-120). Each number is an increment of 100 ms. Default value is the provisioned value.
n	Authorization code (15 digits). Parameter is accepted but the value is not sent in the TCAP message.
o	Concentrated Calling Feature (CCF) override code (8 digits). Parameter is accepted but the value is not sent in the TCAP message.
p	Carrier Identification Code (CIC) digits parameter. Three or four digits accepted.
q	Local ANI (LANI) . This parameter consists of 10 digits.
r	Access type: 1 — Switched. 2 — Direct connect. 3 — International. 4 — Telephone User Part (TUP) data. 5 — International World Zone 1 (IWZ1). 6 — TUP data and IWZ1. 7 — Operator Service Position System (OSPS). 8 — IWZ1 on international trunks.
CD	Continue Data (CD) is used when there is too much data for one-line a second test query has to be entered with the remaining data. (Example: TEST:SD;DIG 3128231200:CD! followed by TEST:SD;DIG 3128231200:QRYTYPE 1,DPC 254255101!)

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LIST Performs raw dump of TCAP messages sent to and received from **SD** or **SP** database.

4. SYSTEM RESPONSE

?D		Data field contains an error. Invalid or out-of-range data was received in the input message.
?D, CODE	1	Data field contains an error. A keyword was entered twice.
?D, CODE	2	Data field contains an error. Invalid SD destination detected, or illegal combination of SD destination and QRYTYPE .
?D, CODE	3	Data field contains an error. Invalid SD query type detected.
?D, CODE	4	Data field contains an error. Invalid called party number digit count detected.
?D, CODE	8	Data field contains an error. Invalid ANI digit count detected.
?D, CODE	9	Data field contains an error. Invalid SP destination detected.
?D, CODE	10	Data field contains an error. Invalid TSG service type detected.
?D, CODE	11	Data field contains an error. Invalid Match Restriction Indicator detected.
?D, CODE	12	Data field contains an error. Invalid Carrier Selection detected.
?D, CODE	13	Data field contains an error. Invalid Called Directory digit count detected.
?D, CODE	15	Data field contains an error. Invalid Inbound Supplemental Origination Information detected.
?D, CODE	16	Data field contains an error. Invalid Station Group Designator detected.
?D, CODE	17	Data field contains an error. Invalid Bearer Capability detected.
?D, CODE	18	Data field contains an error. Invalid SD Query Test timer value detected.
?D, CODE	19	Data field contains an error. Invalid SD Response timer value detected.
?D, CODE	20	Data field contains an error. Invalid Authorization Code detected.
?D, CODE	21	Data field contains an error. Invalid Concentrated Calling Feature override code detected.
?D, CODE	22	Data field contains an error. Unrecognized keyword.
?D, CODE	23	Data field contains an error. The TMAD0005 PIDENT found errors.
?D, CODE	24	Data field contains an error. Missing mandatory parameters.
?D, CODE	25	Data field contains an error. Illegal keyword combination.
?D, CODE	26	Data field contains an error. Invalid Local ANI digits.

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?D, CODE 27	Data field contains an error. Invalid access type.
?D, INV KW	Data field contains an error. Unrecognized keyword.
?D, XTRA KW	Data field contains an error. Duplicate keywords have been entered.
?E	Error exists in the message but cannot be resolved to the proper field. Required parameters are missing, or some duplicate keywords or errors in data was detected.
PF	Printout Follows. The test query has been initiated and the results will be printed.
RL	Retry Later. No Teletypewriter (TTY) output buffer or trunk query register available.

5. REFERENCES

PIDENT
IOCPIMC4
TESTSEGD
TMAD0005

Output Message
TEST:SD

ID TEST:TCAPDSD
WORK CENTER.. MAC, MOC, NMOC, TOC
GENERIC 4E24 Rel. 3 and later
CLASS ALL
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Requests a test query to be sent to the Network Control Point (NCP) from the 4ESSTM Switch serving as an Action Control Point (ACP). This test query tests the integrity of the Common Channel Signaling Version 7 (CCS7) network between the two end points utilizing the Consultative Committee on International Telephone & Telegraph (CCITT) based Transaction Capability Application Part (TCAP) protocol. It also serves as a tool to test the data for a particular Direct Services Dialing (DSD) customer. The types of queries sent to the NCP can be for Automatic Number Identification (ANI) - based services (Switched Digital Network [SDN]), dialed number-based services (A800 types) or Universal Subscriber Data Structure (USDS).

Format [1] is used to request an ANI-based test query (SDN services).
Format [2] is used to request a dialed number-based test query (A800 type services).
Format [3] is used to request a Universal Global Title Translation (UGTT) test query.
Format [4] is used to request a Network Access Interruption (NAI) test query.
Format [5] is used to request a Universal Subscriber Data Structure (USDS) test query.
Format [6] is used to request a destination-only query.
Format [7] is used to request a ANI-only query.
Format [8] is used to request both a destination and ANI query.
Format [9] is used to request the Local ANI digits in an SDN query.
Format [10] is used to request the Local ANI digits in a Positive Call Processing (PCP) query.
Format [11] is used to request the Carrier Identification Code in the NAI query.
Format [12] is used to request Local Nodal 8YY screening test query.
Format [13] is used to request dialed number based pay phone test queries.
Format [14] is used to request End Office Local Nodal (EOLN) digital link phase IV test queries.
Format [15] is used to request dialed number based queries using Foreign Subscriber Identifying Telephone (FSIT) routing.

2. FORMAT

- [1] **TEST:TCAPDSD;QRYTYPE** a:**DIG** b,**ANI** c[,**APN**][,**AUTHCODE** d][,**RATE** e][,**SGD** f][,**RID** g[,**RID1** h[,**RID2** i]]][,**CAR** j][,**CID** k][,**LIST**][,**CD**]!
- [2] **TEST:TCAPDSD;QRYTYPE** a:**DIG** b,**ANI** c[,**RATE** e][,**APN**][,**RID** g[,**RID1** h[,**RID2** i]]][,**LIST**][,**CD**]!
- [3] **TEST:TCAPDSD;QRYTYPE** a:{**ANI** c|**ANI** c,**APN**}[,**SD**][,**CAR** j]!

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- [4] TEST:TCAPDSD;QRYTYPE 5:DIG b,ANI c[,RATE e]
[,IIDIGITS l|,OLI m|,CID k|,OLI m,CID k]!
- [5] TEST:TCAPDSD;QRYTYPE 8:DIG b,ANI c[,IIDIGITS l|,OLI m]
[,RATE e][,TYP n][,LIST][INSEPR o]!
- [6] TEST:TCAPDSD;QRYTYPE 11:DIG b,RATE 1!
- [7] TEST:TCAPDSD;QRYTYPE 11:DIG b,ANI c,RATE 2!
- [8] TEST:TCAPDSD;QRYTYPE 11:DIG b,ANI c,RATE 3!
- [9] TEST:TCAPDSD;QRYTYPE 1:DIG b,ANI c[,APN][,AUTHCODE d]
[,RATE e][,SGD f][,LANI p][,RID g[,RID1 h[,RID2 i]]]
[CID k][CAR j][,LIST][,CD]!
- [10] TEST:TCAPDSD;QRYTYPE 10:DIG b,ANI c[,APN][,AUTHCODE d]
[,RATE e][,SGD f][,LANI p][,RID g[,RID1 h[,RID2 i]]][,CID k]
[CAR j][,LIST][,CD]!
- [11] TEST:TCAPDSD;QRYTYPE 5:DIG b,ANI c[,RATE e]
[,IIDIGITS l|,OLI m|,CID k|,OLI m,CID k][,CAR j]!
- [12] TEST:TCAPDSD;QRYTYPE 13:DIG b,LANI p[,RATE e]!
- [13] TEST:TCAPDSD;QRYTYPE a:DIG b,ANI c[,RATE q][,APN]
[,RID g[,RID1 h[,RID2 i]]][,LIST][,CD]!
- [14] TEST:TCAPDSD;QRYTYPE 14:DIG b,ANI c[,OLI m][,SID r][,LIST]!
- [15] TEST:TCAPDSD;QRYTYPE 3:DIG b[,ANI c][,DIGITS s][,II t][,LIST]!

3. EXPLANATION OF MESSAGE

- a The type of query to be sent:
- 1 — ANI-based query
 - 2 — Non Call Associated Temporary Signaling Connection
(NCAT) ANI-based query
 - 3 — Dialed number-based query
 - 4 — NCAT dialed number-based query
 - 5 — NAI query
 - 6 — UGTT query
 - 7 — NCAT UGTT query

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- 8 — USDS query.
 - 9 — EasyReach® query.
 - 10 — PCP query.
 - 11 — Local Number Portability (LNP).
 - 12 — Universal International Freephone Number (UIFN) query.
 - 13 — Local Nodal 8YY screening query.
 - 14 — End office local nodal (Digital Link Phase IV).
- b Customer specific digits that are required for the particular type of DSD call. Digits for the ANI-based queries can be either 7 digits or 10 digits. For the dialed number-based query, 10 digits must be specified. For international SDN and USDS queries, a "011" must prefix the dialed number, this is only valid for Format [1], Format [4], and Format [5]. 11 digits may be specified for Universal International Freephone Number (UIFN) calls.
- c A required variable for the ANI-based and USDS test queries. Customer's 10-digit automatic number identification. For USDS, a 3 digit ANI is permitted.
- d A customer's authorization code number. It is an optional variable. There can be a maximum of 12 digits. For EasyReach® query type this is the echo data that should be sent in the requery to the Quantum Routing Data System (QRDS). This can be a maximum of 10 bytes (20 digits).
- NOTE: AUTHCODE** cannot be used with **CAR** keyword.
- e An optional variable used to specify a data rate for a DSD call. Not valid for LNP queries.
- 0 — Non data (voice call) For USDS, this is the only valid value of data rate.
 - 1 — 1.536 Megabits Per Second (MBPS) clear
 - 2 — 1.536 MBPS restricted
 - 3 — 384 Kilobits Per Second (KBPS) clear
 - 4 — 384 KBPS restricted
 - 5 — 64 KBPS clear
 - 6 — 56 KBPS
 - 7 — 64 KBPS restricted
- f Station group designator number. An optional variable for ANI-based queries. The value specified as input depends on the individual customer.

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- g First set of Caller Interaction (CI) digits. Maximum number of digits is 15.
- h Second set of CI digits. The second set is not accepted unless the first set of CI digits have been entered. Maximum number of digits is 15. This keyword must be entered on the second input messages. See the explanation under the **CD** entry.
- i Third set of CI digits. The third set is not accepted unless the first and second set of CI digits have been entered. Maximum number of digits is 15. This keyword must be entered on the second input messages. See the explanation under the **CD** entry.
- j Carrier Identification Code. This must be a 4-digit number. These digits are used by the Number 2 Line Number Application For Consumers (2LAC)/ Network Control Point (NCP) databases for fraud detection. (Format [11]) These digits are used by the Number 2 Direct Services ANI Base (2DSA)/ Network Control Point (NCP), refer to Format [1].

NOTE: **CAR** cannot be used with **AUTHCODE** keyword.

- k Carrier selection information:
- 1 — Presubscribed, no input.
 - 2 — Presubscribed, input.
 - 3 — Presubscribed, input or not.
 - 4 — Not presubscribed, input.
 - 5 — Primary preferred carrier of charged party. (Not Implemented)
 - 6 — Alternate preferred carrier of charged party. (Not Implemented)
 - 7 — Verbal instructions from the calling party. (Not Implemented)
 - 16 — Verbal instructions from the calling charged. (Not Implemented)
 - 17 — Emergency call handling. (Not Implemented)
- NOTE:** When trying to do an AT&T Digital Link (ADL) Phase 3 Equal Access (EA) dial around call with SDN (query type 1) or PCP (query type 10) test queries the value 4 must be entered.

LIST If this keyword is present in the input message, then the dump of the message received from the NCP database is printed.

CD Continuation Data (**CD**) indicates that this is one of two input messages. This is only valid if the **RIID** keyword is used with the **CD** keyword on the first of two input messages. The **QRYTYPE** and **DIG** parameters are required in the second message.

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APN	If this keyword is used to define the ANI variable, then the ANI must be an Action Point Numbering Plan (APN) ANI. If this keyword is not used to define the variable, then the ANI must be a North American Numbering Plan (NANP) ANI.
SD	Only valid with a UGTT query. If present then the secondary UGTT database will be queried. Default is to query the primary database.
l	Information digits, also called the originating station type. Identifies characteristics of the calling station (0-99).
m	Originating line identity, also called the originating station type (0-99). For EOLN test queries the valid OLI values are: 40 - PCP transition type and 41 - SDN transition type.
n	Access type: 1 — Switched access.
o	Input Service Provider (INSEPR) message Identification (ID) (1-9).
p	Local ANI digits. This should be 10 digits. These digits identify a Local Nodal customer.
q	II/OLI digits: 5 — II/OLI of 27. 6 — II/OLI of 29. 7 — II/OLI of 70.
r	Calling directory number. The calling directory number is sent to the SDN database for EOLN test queries. This parameter consists of 10 digits.
s	Foreign Administration Identity (FAI) (0-7). Identifier of the foreign administration that routed the call to the AT&T network.
t	Country code (1-3 digits in length). This parameter identifies the country of origin of an inbound 8YY call.

4. SYSTEM RESPONSE

?D	Data field contains an error. Invalid or out-of-range data was received in the input message.
?E	Syntax Error exists in the message but cannot be resolved to the proper field. An invalid keyword combination was discovered.
PF	Printout Follows. The test query has been initiated and the results will be printed.
RL	Retry Later. No Teletypewriter (TTY) output buffer or trunk maintenance register available.

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

5. REFERENCES

PIDENTs
DSDCMESS
IOCPIMC4
TCAPTEST
TMAD0005

Output Message
TEST : TCAPDSD

ID UPD:BUNSTAT
WORK CENTER.. MOC, TOC
GENERIC 4E19 and later
CLASS TMTC
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

The purpose of this message is to allow an Alternate Signaling Transport Network (ASTN) demand update to be performed to broadcast the current F-Link layer connectivity of an AT&T office to every other AT&T office.

2. FORMAT

UPD:BUNSTAT[;UCL]!

3. EXPLANATION OF MESSAGE

UCL Used when all F-Link layers have been removed from a given switch. The **UPD:BUNSTAT;UCL** will then broadcast to every other AT&T switch the fact that the F-Links have been deleted.

4. SYSTEM RESPONSE

OK Good. Request accepted.

NG No Good. An **UCL** request has been received and the office has not been ASTN disabled.

5. REFERENCES

PIDENT
TMADBUNS

Input Message
OP:BUNSTAT

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Use pursuant to Company Instructions.

WARNING
INAPPROPRIATE USE OF THIS
MESSAGE MAY INTERRUPT OR
DEGRADE SERVICE. READ PURPOSE
CAREFULLY.

ID UPD:HDATA
WORK CENTER.. MOC
GENERIC 4E19 and later
CLASS PMTC
APPLICATION .. 4E,1B - Proprietary
TYPE Input

WARNING
Caution should be exercised when using this message so as not to
permanently lose capabilities in the main memory or file system.

1. PURPOSE

Initiates step 3 (the final step) of permanent overwrite procedure. Causes new hash sums to be calculated for the affected areas of memory. For backed-up core data, the file systems are also updated. The inhibit on the writable store audit is released.

The "UPDATE IN PROG" lamp on Master Control Complex (MCC) will be turned off.

NOTE: This message may only be entered from the switching machine Maintenance (MTC) channel or the Switching Control Center (SCC) channel (SCC1 or SCC2). If the MTC channel is out of service, the message will then be allowed from the Secondary Record (SREC1) channel.

2. FORMAT

UPD:HDATA!

3. EXPLANATION OF MESSAGE

See Purpose.

4. SYSTEM RESPONSE

?C, CODE 136	Channel is not valid for this message. UPD:HDATA may be input only from the maintenance channel (or its backup if the maintenance channel is out of service) or a Switching Control Center (SCC) channel (SCC1 or SCC2). Before entering message, check for audit printouts or interrupts to assure overwrite is correct.
?R, DPLX FAIL	Insufficient system Resources are available to determine the validity of the message. Generic Utility Program (GULP) cannot be paged to parse the message because the file system is duplex failed.
NG, CODE 130	No Good. System Audit of Writable Stores (SAWS) lockout. Another MERGE changing client (tape writing program, Recent Change Verify (RCV), tape audit, etc.) is in progress. Wait for program to finish, then re-enter.
NG, CODE 131	No Good. Overwrite procedure was not initiated on this channel.

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NG, CODE 132	No Good. Previously input COPY:OWBUF request has not yet completed.
NG, CODE 133	No Good. Hash mismatch on COPY:OWBUF. Enter STOP:OVRWRT.
NG, CODE 134	No Good. Previously input UPD:HDATA request has not yet completed.
NG, CODE 135	No Good. Overwrite procedure is not in progress.
NG, CODE 137	No Good. A COPY:OWBUF message must be input.
NG, CODE 153	No Good. Hash update by SAWS failed. Enter STOP:OVRWRT. System Audit of Stores Using Tape (SAST) must be run to correct hash errors.
PF, CODE 050	Printout will conditionally follow. This acknowledgement is used if file system is duplex failed and GULP is being paged from tape.
PF, CODE 091	Printout will conditionally follow.
RL, CODE 180	Retry Later. Execution of GULP function is in progress.
RL, CODE 181	Retry Later. Message processing in progress. Wait until it completes (may be a flag waiting for additional input), then re-enter.
RL, CODE 182	Retry Later. Data set input mode in progress on another channel. Wait until it completes, then re-enter.
RL, CODE 183	Retry Later. Data set execution mode in progress. Wait until it completes, then re-enter.
RL, CODE 185	Retry Later. No General Buffer Table (GBT) available or failure to page in GULP.

5. REFERENCES

PIDENTs
GULPOWRT
GULRUTCR

Practice 234-301-003, *1B Processor Generic Utility Program (GULP) Application - Description*

PA-4A002-01, 4ESSTM *User's Manual*, Generic Utility Section

Input Messages
COPY:OWBUF
IN:OWBUF
STOP:OVRWRT

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Use pursuant to Company Instructions.

ID VER:ASCIT
WORK CENTER.. MAC, MOC
GENERIC 4E27R2 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Request the verification of the AT&T Service/Call Identification Type (ASCIT).

2. FORMAT

VER:ASCIT:[SII a],[QRYTYPE b]!

3. EXPLANATION OF MESSAGE

- a Service Identity Index (**SII**) number (0-255).
- b Question Being Asked (**QRYTYPE**) number (1-48). See Table B for a list of questions that can be asked and the corresponding field input.

NOTE: See Table A for valid input entries.

4. SYSTEM RESPONSE

- ?I, INV KW Identification field contains an error. An invalid keyword was specified for the **VER:ASCIT** input message.
- PF Printout Follows.

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYCNTL
VRFYINPT
VRFYMISC

Output Message
VER:ASCIT-ANSR

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Use pursuant to Company Instructions.

TABLE A

SII	QRYTYPE	VALID ENTRIES	COMBINATIONS
Y	N	SII = 0-255	(single, range, list)
N	Y	QRYTYPE = 1-48	(single, range, list)
Y	Y	SII = 0-255	(single, range, list)
Y	Y	QRYTYPE = 1-48	(single)

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TABLE B

VALUE	MEANING
1	Is this a global Software Defined Network (SDN) call?
2	Can this be a SDN call?
3-4	Currently not used
5	Is this a Remote Adjunct Call Handling (REACH) call for this SII?
6	Should the billing number be sent with this SII?
7	Is this an SDN Digital Radio Avoidance Routing (SDN-DRAR) call?
8	Does Integrated Services Digital Network User Part (ISUP) need to pass routing or Automatic Message Accounting (AMA) data to an AT&T Trigger Platform (ATP) switch or an Network Control Point (NCP) initiated handoff switch?
9	Is this a GETS call?
10	Are End-to-End Class Of Service (ECOS) overflow routes excluded for this SII?
11	Are ECOS alternate routes excluded for this SII?
12	Currently not used.
13	Is the terminating recording data set to ON for this SII?
14	Is this a Megacom® 800 call for which we want to check if going to an interexchange carrier (IXC)?
15	Will a Transmit Noise Reduction (TNR) "Start of Call" order be sent for the egress trunk for this SII?
16	Should the access information and/or trunk group rating number be included in the IAM for this SII?
17	Currently not used.
18	Can this be an Equal Access (EA) Cellular Positive Call Processing (PCP) Call?
19	Can this be a Segmentation Directory (SD) type call?
20-21	Currently not used.
22	Should 4ESS™ preserve and deliver the Carrier Identification Code (CIC) derived at the Access Switch, but continue to use the Additional Data Field 2 (AD2) value for Service Switching Point (SSP) call type re-translation for this SII?
23	Is this an emergency call per the AT&T Digital Link Phase 3 - 911 Capabilities?
24	Is the SII for this call eligible for an Network Routing Number (NRN) Database (DB) query?
25	Turn off per call controllable Echo Canceler (EC) at Terminating AT&T Switch (TAS) on trunk from Originating AT&T Switch (OAS)
26	Turn off per call controllable EC at TAS on trunk from Via AT&T Switch (VAS)
27	Turn off per call controllable EC at VAS on trunk from OAS
28	Turn off per call controllable EC at OAS on trunk to TAS

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29	Turn off per call controllable EC at OAS on trunk to VAS
30	Turn off per call controllable EC at VAS on trunk to TAS
31	Dialed Number Identification Service digit delivery to the TELLME platform
32-48	Currently not used

ID VER:CODEGRP-LNP
WORK CENTER.. MAC, MOC
GENERIC 4E22 Rel. 2 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Requests the verification of Local Number Portability (**LNP**) 6-digit type translator.

2. FORMAT

VER:CODEGRP;OPT LNP:ABC a,DEF {b|(b,b,...)|(b-b)}!

3. EXPLANATION OF MESSAGE

a Three digit Numbering Plan Area (NPA) code (200-999).
b Three digit code (000-999). May be a single number, a list or a range.

4. SYSTEM RESPONSE

PF Printout Follows.
RL Retry Later.

5. REFERENCES

PIDENTs
VRFYCNTL
VRFYINPT
VRFYIRTG
VRFYOUT
VRFYRTNG

Output Message
VER:CODEGRP-LNP

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ID VER:CODEGRP-PORT
WORK CENTER.. MAC, MOC
GENERIC 4E25 Rel. 4 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Request the verification of the number pooling target architecture ported out assignments at the 10-digit level in the Positive Look Up (PLU) translator.

Format [1] is used to verify a single 10-digit number or a range of 10-digit numbers at a 6-digit level for a specified domain.

Format [2] is used to verify all 10-digit ported out assignments in all domains.

2. FORMAT

[1] VER:CODEGRP;OPT PORT:ABC a,DEF b[,LINENO c][,DOM d]!

[2] VER:CODEGRP;OPT PORT,ALL!

3. EXPLANATION OF MESSAGE

- | | |
|------------|--|
| a | First three digits of the code (000-999). |
| b | Next three digits of the code (000-999). |
| c | Last four digits of the line number (0000-9999). |
| d | Domain (DOM) to which the search should be restricted. If the ALL option and domain are not selected, searches are restricted to the Plain Old Telephone Service (POTS) domain. (See Translation Guide for valid DOM .) |
| ALL | Used to request all 10-digit ported out assignments in all domains. |

4. SYSTEM RESPONSE

- | | |
|----|-------------------|
| NA | Not Accepted. |
| PF | Printout Follows. |

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYCNTL
VRFYINPT

Translation Guide, 4ESSTM, TG-4, Division 8, Section 13bd

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4ESS
4B000-01AC

VER:CODEGRP;OPT PORT

Output Message
VER: CODEGRP-PORT

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VER:CODEGRP-PORT-2

Issue 1.7
September 2000

ID VER:CODEGRP-RSVD
WORK CENTER.. MAC, MOC
GENERIC 4E25 Rel. 4 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Request the verification of the number pooling target architecture reserved assignments at the 10-digit level in the Positive Look Up (PLU) translator.

Format [1] is used to verify a single 10-digit number or a range of 10-digit numbers at a 6-digit level for a specified domain.

Format [2] is used to verify all 10-digit reserved assignments in all domains.

2. FORMAT

[1] VER:CODEGRP;OPT RSVD:ABC a,DEF b[,LINENO c][,DOM d]!

[2] VER:CODEGRP;OPT RSVD,ALL!

3. EXPLANATION OF MESSAGE

- | | |
|------------|--|
| a | First three digits of the code (000-999). |
| b | Next three digits of the code (000-999). |
| c | Last four digits of the line number (0000-9999). |
| d | Domain (DOM) to which the search should be restricted. If the ALL option and domain are not selected, searches are restricted to the Plain Old Telephone Service (POTS) domain. (See Translation Guide for valid DOM .) |
| ALL | Used to request all 10-digit reserved assignments in all domains. |

4. SYSTEM RESPONSE

- | | |
|----|-------------------|
| NA | Not Accepted. |
| PF | Printout Follows. |

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYCNTL
VRFYINPT

Translation Guide, 4ESSTM, TG-4, Division 8, Section 13bd

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4ESS
4B000-01AC

VER:CODEGRP;OPT RSVD

Output Message
VER: CODEGRP-RSVD

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VER:CODEGRP-RSVD-2

Issue 1.7
September 2000

ID VER:EA-SC-IIDIG
WORK CENTER.. MAC, MOC
GENERIC 4E23 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Verifies the II digits for service category fraud prevention.

2. FORMAT

VER:EA;SC:IIDIGITS {aa|(aa,aa[,aa[,...]])|aa-aa}!

3. EXPLANATION OF MESSAGE

aa II digits (00-99). Input can be single, multiple, or a range of indexes.

4. SYSTEM RESPONSE

PF Printout Follows.

RL Retry Later.

5. REFERENCES

PIDENTs
VRFYEA
VRFYINPT

Output Message
VER:EA-IOSC

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:EA-SC-OLI
WORK CENTER.. MAC, MOC
GENERIC 4E23 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Verifies the Originating Line Identifier (**OLI**) digits for service category fraud prevention.

2. FORMAT

VER:EA;SC:OLI {a|(a,a[,a[,...]])|a-a}!

3. EXPLANATION OF MESSAGE

a **OLI** digits (0-255). Input can be single, multiple, or a range of indexes.

4. SYSTEM RESPONSE

PF Printout Follows.

RL Retry Later.

5. REFERENCES

PIDENTs
VRFYEA
VRFYINPT

Output Message
VER:EA-IOSC

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:MISC
WORK CENTER.. MAC, MOC
GENERIC 4E24 Rel. 3 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

This is a general purpose input message which requests specific information based upon the input to the **MISC** keyword.

Format [1] requests Government Emergency Telecommunications Service (**GETS**) data.

Format [2] requests carrier identification code data.

Format [3] requests the status of internal feature bits, proprietary, and non-proprietary feature indicators.

Format [4] requests Universal Subscriber Data Structure Timer (**USDST**) data.

Format [5] requests Advanced Intelligent Network (AIN) data.

Format [6] requests Leave A Message (**LAM**) timer and threshold data.

Format [7] requests the service identity set for hourly End-to-End Class Of Service (ECOS) traffic data.

Format [8] requests the service identity set for hourly Real Time Network Routing (RTNR) traffic data.

Format [9] requests Local Routing Number (LRN) assignment data.

Format [10] requests Carrier Screening Subsequent Digit Index (**CSRS DX**) data.

Format [11] requests the AIN/ Local Number Portability (LNP) Called Number Trigger (CNT) assignment data.

Format [12] requests all Multiple Carrier Treatment (MCT) indices that have been changed by Recent Change (RC) since the input time and date.

Format [13] requests all Multiple Routing Treatment (MRT) indices that have been changed by RC since the input time and date.

Format [14] requests all Subsequent Digit (SDX) indices that have been changed by RC since the input time and date.

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Use pursuant to Company Instructions.

Format [15] requests all Trunk Subgroup (TSG) indices that have been changed by RC since the input time and date.

Format [16] requests the verification of the Carrier Identification Code (CIC) blocking announcement Identification (ID).

Format [17] requests the verification of the Dial Around (**DARN**) blocking announcement Identification (ID).

2. FORMAT

- [1] VER:MISC GETS[:NSN a]!
- [2] VER:MISC CIP:CIN b!
- [3] VER:MISC ONOFF!
- [4] VER:MISC USDST!
- [5] VER:MISC AINITM!
- [6] VER:MISC LAM!
- [7] VER:MISC SISETHER!
- [8] VER:MISC SISETHRR!
- [9] VER:MISC LRNASN[;RES]:NPANXX c!
- [10] VER:MISC CSRSDX!
- [11] VER:MISC TRGASN:NPANXX c!
- [12] VER:MISC CHGMCT:ddeeff,TIME gghhii!
- [13] VER:MISC CHGMRT:ddeeff,TIME gghhii!
- [14] VER:MISC CHGSDX:ddeeff,TIME gghhii!
- [15] VER:MISC CHGTSG:ddeeff,TIME gghhii!
- [16] VER:MISC BLKAID!
- [17] VER:MISC DARN!

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

3. EXPLANATION OF MESSAGE

GETS	Request government emergency telecommunications service data. If GETS is input without the optional, NSN keyword, then GETS announcement information is output.
a	Network Switch Number (NSN). Specified to output the satellite connectivity bitmap for an NSN.
CIP	Requests carrier identification code data for the input Circuit Identification Number (CIN). The CIN keyword must be input when Carrier Identification Parameter (CIP) is input.
b	Circuit Identification Number (CIN). Specified to output the carrier identification codes for a given CIN .
ONOFF	Requests the status of internal feature bits, proprietary, and non-proprietary feature indicators.
USDST	Requests Universal Subscriber Data Structure Timer (USDST) data.
AINITM	Requests Advanced Intelligent Network (AIN) data.
LAM	Requests Leave A Message (LAM) timer and threshold data.
LRNASN	Requests Local Routing Number (LRN) assignment data.
c	Numbering Plan Area and Exchange Number (NPANXX) 6-digit number (000000-999999).
SISETHER	Requests the service identity set for hourly End-to-End Class Of Service (ECOS) traffic data.
SISETHRR	Requests the service identity set for hourly Real Time Network Routing (RTNR) traffic data.
CSRSDX	Requests Carrier Screening Subsequent Digit Index (CSRSDX) data.
TRGASN	Requests the AIN / LNP Called Number Trigger assignment data.
dd	Month value of the date.
ee	Day value of the date.
ff	Year value of the date.
gg	Hour value of the time.
hh	Minutes value of the time.
ii	Seconds value of the time.

4. SYSTEM RESPONSE

NA	Not Accepted.
PF	Printout Follows.

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

5. REFERENCES

PIDENTs
IOCPIMC4
IOCPPVR4
VRFYCNTL
VRFYINPT
VRFYMISC
VRFYOUT

Output Messages

VER:GETS-ANN
VER:GETS-SAT
VER:MISC-AINITM
VER:MISC-BLK AID
VER:MISC-CHGMCT
VER:MISC-CHGMRT
VER:MISC-CHGSDX
VER:MISC-CHGTSG
VER:MISC-CSRSDX
VER:MISC-DARN
VER:MISC-LAM
VER:MISC-LRNASN
VER:MISC-ONOFF
VER:MISC-TRGASN
VER:SISETHER
VER:SISETHRR
VER:TSG-CICS
VER:USDST

ID VER:MISC-ADABLK
WORK CENTER.. MOC
GENERIC 4E24 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Requests the verification of the AT&T Network Connection (ANC) Dial-Around (ADA) blocking announcement number.

2. FORMAT

VER:MISC ADABLK!

3. EXPLANATION OF MESSAGE

See Purpose.

4. SYSTEM RESPONSE

PF	Printout Follows. Followed by a VER:MISC-ADABLK output message.
RL	Retry Later.

5. REFERENCES

PIDENTs
VRFYINPT
VRFYMISC
VRFYOUT

Translation Guide, 4ESSTM, TG-4, Division 8, Section 16dt

Output Message
VER:MISC-ADABLK

ID VER:MISC-ESCR
WORK CENTER.. MAC, MOC
GENERIC 4E25 Rel. 3 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Requests the verification of the Enhancements for Special CIC Routing (**ESCR**) translator. This translator provides domestic and international routing information for a Basic Carrier ID Code (**BCIC**). The routing information is: a Domestic Status (DSTAT) parameter, a Domestic Carrier ID Code (DCIC), an International Status (ISTAT) parameter, and an International Carrier ID Code (ICIC). If the optional input BCIC entry is specified only that specific 4-Digit BCIC will be verified and displayed. Otherwise, all the provisioned entries within the ESCR translator are verified and displayed.

Format 1 is used to specify a specific **BCIC**.

Format 2 is used to specify all the **BCIC** provisioned entries within the **ESCR** translator (maximum of 1024 entries allowed).

2. FORMAT

[1] VER:MISC ESCR:BCIC a!

[2] VER:MISC ESCR!

3. EXPLANATION OF MESSAGE

a Basic Carrier ID Code (**BCIC**) (0000-9999).

4. SYSTEM RESPONSE

PF Printout Follows.

RL Retry Later.

5. REFERENCES

PIDENTs
IOCPIMC4
TRANROUT
VRFYCNTL
VRFYINPT
VRFYMISC

Translation Guide, 4ESSTM, TG-4, Division 8, Section 16bv

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

4ESS
4B000-01AC

VER:MISC ESCR

Output Message
VER:MISC-ESCR

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

VER:MISC-ESCR-2

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ID VER:MISC-FHT-CAR
WORK CENTER.. TOC
GENERIC 4E24 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Displays the current office defined data for the Calling Party Number (CPN) anomaly reporting capability. This information will include the current feature mode, the reporting channel, the threshold for the COLLECTION mode of operation and the Multi-Frequency (MF) interworking indicator (used to determine whether calls with MF Interworking with invalid CPNs should be involved in the COLLECTION mode of this feature).

2. FORMAT

VER:MISC:FHT CAROFCDAT!

3. EXPLANATION OF MESSAGE

See Purpose.

4. SYSTEM RESPONSE

PF Printout Follows.

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYMSCM

Output Message
VER:MISC-FHT-CAR

ID VER:MISC-FHT-CIC
WORK CENTER.. MAC,MOC
GENERIC 4E24 Rel. 2 and later
CLASS ALL
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

The purpose of this message is to output the Carrier Identification Code (CIC) and its associated Route Selection Index (RSI).

Format 1 will output all of the populated CIC entries.

Format 2 will output the specific input entry.

Format 3 will output all entries which have the input RSI.

2. FORMAT

- [1] **VER:MISC:FHT CICTORSIX!**
- [2] **VER:MISC:FHT CICTORSIX,DIG aaaa!**
- [3] **VER:MISC:FHT CICTORSIX,ID b!**

3. EXPLANATION OF MESSAGE

- a Four digit Carrier Identification Code (CIC).
- b One to four digit Route Selection Index (RSI).

4. SYSTEM RESPONSE

PF Printout Follows.

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYMSC

Output Messages
STOP:VERMSG
VER:MISC-FHT-CIC

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:MISC-FHT-PAY
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E22 Rel. 3 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Output the announcement set and announcement number which will be played when an 8yy call placed from a payphone is killed.

2. FORMAT

VER:MISC:FHT PAYPHONE!

3. EXPLANATION OF MESSAGE

See Purpose.

4. SYSTEM RESPONSE

PF Printout Follows.

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYMSCM

Output Message
VER:MISC-FHT-PAY

ID VER:MISC-FHT-QUI
WORK CENTER.. MAC, MOC
GENERIC 4E20 through 4E25
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

The purpose of this message is to obtain the first three digits of the unique routing number to be sent to the Operator Service Position System (OSPS) for QuietHear eligible calls.

2. FORMAT

VER:MISC:FHT QUIETHEAR!

3. EXPLANATION OF MESSAGE

See Purpose.

4. SYSTEM RESPONSE

PF Printout Follows.

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYFHT

Output Message
VER:MISC-FHT-QUI

ID VER:MISC-FHT-SDD
WORK CENTER.. MAC, MOC
GENERIC 4E24 Rel. 3 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

The purpose of this message is to output the disaster recovery Segmentation Directory (SD) point code and Subsystem Number (SSN) data. Three point codes are allowed, each possessing one subsystem number.

2. FORMAT

VER:MISC:FHT SDDRPCSSN!

3. EXPLANATION OF MESSAGE

See Purpose.

4. SYSTEM RESPONSE

PF Printout Follows.

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYMSC
VRFYMSCM

Output Message
VER:MISC-FHT-SDD

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:MISC-FHT-SGD
WORK CENTER.. MAC, MOC
GENERIC 4E22 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

The purpose of this message is to output the Segmentation Directory point code and Subsystem Number (SSN) data. 12 point codes are allowed, each possessing one subsystem number.

2. FORMAT

VER:MISC:FHT SGDRPCSSN!

3. EXPLANATION OF MESSAGE

See Purpose.

4. SYSTEM RESPONSE

PF Printout Follows.

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYFHT

Output Message
VER:MISC-FHT-SGD

ID VER:MISC-FHTLRGN
WORK CENTER.. MAC, MOC
GENERIC 4E23 Rel. 2 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

To output the 6 digit NPA-NXX Local Exchange Routing Guide Numbers (LRGNs).

Format [1] when used will output all of the populated LRGN entries.

Format [2] when used will output all populated LRGN entries which begin with the Numbering Plan Area (NPA) number input in the format.

Format [3] is used to determine if the input three digit NPA and three digit Office Code (NXX) number has been populated in the LRGN tables.

2. FORMAT

- [1] **VER:MISC:FHT LRGNASIGN!**
- [2] **VER:MISC:FHT LRGNASIGN,DIG aaa!**
- [3] **VER:MISC:FHT LRGNASIGN,DIG bbbbbb!**

3. EXPLANATION OF MESSAGE

aaa	Three digit level entry NPA.
bbbbbb	Six digit level entry NPA NXX. Three digit NPA and three digit NXX.

4. SYSTEM RESPONSE

PF	Printout Follows.
----	-------------------

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYMSCM

Output Message
VER:MISC-FHTLRGN

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:MISC-FHTMAST
WORK CENTER.. MAC, MOC
GENERIC 4E22 Rel. 4 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

To output the Master Location Routing Number for the Local Nodal capability.

2. FORMAT

VER:MISC:FHT MASTERLRN!

3. EXPLANATION OF MESSAGE

See Purpose.

4. SYSTEM RESPONSE

PF Printout Follows.

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYMSCM

Output Messages
VER:MISC-FHTMAST

ID VER:MISC-FHTOSBN
WORK CENTER.. MAC, MOC
GENERIC 4E20 Rel. 4 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

The purpose of this message is to output the Billing Number (BN) to True Billing Number (TBN) relation(s) for the universal T1.5 access capability. Two structures exist; one for Action Point Numbering (APN) plan numbers and the other for North American Numbering Plan (NANP) numbers. The verify message exists in several formats; all billing number-true billing number entries; all APN relations; all NANP relations; all relations for a given Numbering Plan Area (NPA) or Switch Identification (SSS); or a single number relation.

Format [1] is used to obtain all entries.

Format [2] is used to obtain all entries for the specified type.

Format [3] is used to obtain all entries with the specified NPA or SSS.

Format [4] is used to obtain the specified entry.

2. FORMAT

- [1] VER:MISC:FHT OSPBNTBN!
- [2] VER:MISC:FHT OSPBNTBN, TYPE {APN|NANP}!
- [3] VER:MISC:FHT OSPBNTBN, TYPE {APN|NANP}, DIG a!
- [4] VER:MISC:FHT OSPBNTBN, TYPE {APN|NANP}, DIG b!

3. EXPLANATION OF MESSAGE

- a Three digit NPA or SSS.
- b Ten digit billing number.

4. SYSTEM RESPONSE

- PF Printout Follows.
- RL Retry Later. Message processing is currently in progress.

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYFHT

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

4ESS
4B000-01AC

VER:MISC:FHT OSPSBNTBN

Output Message
VER:MISC-FHTOSBN

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

VER:MISC-FHTOSBN-2

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ID VER:MISC-FHTOSID
WORK CENTER.. MAC, MOC
GENERIC 4E25 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

The purpose of this message is to output the True Billing Number (TBN) to Operator Service Position System Identification (OSPSID) number. This relation is used by the universal T1.5 access capability. The verify message exists in several formats; all TBN-OSPSID entries; all entries for a given Numbering Plan Area (NPA) code or a single number relation.

Format [1] is used to obtain all entries.

Format [2] is used to obtain all entries with the specified NPA.

Format [3] is used to obtain the specified entry.

Format [4] is used to obtain all the entries that possess a specific OPSID.

2. FORMAT

- [1] VER:MISC:FHT OSPSTBNID!
- [2] VER:MISC:FHT OSPSTBNID,DIG a!
- [3] VER:MISC:FHT OSPTBNID,DIG b!
- [4] VER:MISC:FHT OSPTBNID,ID c!

3. EXPLANATION OF MESSAGE

- a Three digit NPA.
- b Six or ten digit true billing number. NPA000 (three digit level entry), NPANXX (6 digit level entry) or NPANXXXXXXX (10 digit level entry).
- c Operator Service Position System Identification (OSPSID) number (1-999).

4. SYSTEM RESPONSE

- PF Printout Follows.
- RL Retry Later. Message processing is currently in progress.

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYFHT

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

4ESS
4B000-01AC

VER:MISC:FHT OSPSTBNID

Output Message
VER:MISC-FHTOSID

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

VER:MISC-FHTOSID-2

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ID VER:MISC-NEIPAV
WORK CENTER.. MAC, MOC
GENERIC 4E25 Rel. 3 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Requests the verification of the AT&T egress non-emergency Initial Address Message (IAM) Message Transfer Part (MTP) American National Standards Institute (ANSI) priority level value and the on/off status of the corresponding feature.

2. FORMAT

VER:MISC NEIPAV!

3. EXPLANATION OF MESSAGE

See Purpose.

4. SYSTEM RESPONSE

PF	Printout Follows.
RL	Retry Later.

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYCNTL
VRFYINPT
VRFYMISC

Translation Guide, 4ESSTM, TG-4, Division 8, Section 16ds

Output Message
VER:MISC-NEIPAV

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:MISC-NPRSVD
WORK CENTER.. MAC, MOC
GENERIC 4E25 Rel. 4 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Requests the verification of the AT&T 7-digit, number pooling reserved assignments. This 7-digit translator is used to indicate if an **NPANXXX** code is reserved for this office. Note, the output for this message will only specify the **NPANXXX** codes that are reserved for this office. For 7-digit that are not reserved, no output information will be printed.

2. FORMAT

VER:MISC NPRSVD:NPANXXX {a-a|a,a...}!

3. EXPLANATION OF MESSAGE

a A 7 Digit (**NPA-NXX-X**) Code (2002000-9999999).

NOTE: The only valid NPA and NXX codes that are allowed via Recent Change for an AT&T Reserved assignment are those in the range of 200-999).

For the **NPANXXX** field a range or list must be specified. A range is specified by inserting a dash between the lowest and highest numbered code in the range, e.g., **NPANXXX 0000000-9999999**.

The low and high values may be the same; thereby verifying a single 7-digit code.

A list is specified by inserting a comma between the **NPANXXXs**.

4. SYSTEM RESPONSE

NA Not Accepted.

PF Printout Follows.

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYCNTL
VRFYINPT

Translation Guide, 4ESSTM, TG-4, Division 8, Section 13bc

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

4ESS
4B000-01AC

VER:MISC NPRSVD

Output Message
VER:MISC-NPRSVD

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

VER:MISC-NPRSVD-2

Issue 1.7
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ID VER:MISC-SD
WORK CENTER.. MAC, MOC
GENERIC 4E25 Rel. 4 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Requests miscellaneous data associated with the Segmentation Directory (SD).

2. FORMAT

VER:MISC SD!

3. EXPLANATION OF MESSAGE

See Purpose.

4. SYSTEM RESPONSE

PF Printout Follows.

5. REFERENCES

PIDENTs
VRFYMISC

Output Message
VER:SD

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:RTGLIST
WORK CENTER.. MAC, MOC
GENERIC 4E23 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Used to request verify to list the indexes of a given type of routing table that contains specific **CALLTYP** and **CALLDATA** (optional) information.

2. FORMAT

VER:RTGLIST;STDP,OPT a:CALLTYP b[,CALLDATA c]!

3. EXPLANATION OF MESSAGE

- a Type of treatment:
- MCT — Multiple carrier treatment.
- MRT — Multiple routing treatment.
- PRT — Proportional routing treatment.
- b **CALLTYP:** CRB, DSD, DSN, DUP, EAR, FHT, GNS, INW, IRA, LSI, MCT, MMT, MRT, NVD, PAS, PLU, PRT, RDB, RNR, SD1, SD2, SD3, SDX, SSP, TEL, TST, TTS.
- c **CALLDATA** is dependent on the **CALLTYP**:
- CRB — 1-32767.
- DSD — ARA, D1ST, DSD1-DSD10, IN10, IN12, IQ10, IQAR, ITS, GSDN, NRAS, RDOM, S710, SDN7, SD10, S012, SQ7, SQ10.
- DSN — 1-167.
- DUP — 12 digit value.
- EAR — RDBI (1-8191).
- FHT — AR, BT, DNN, D00, E01-E20, EA1-EA7, HW, I01-I30, IFF, INC, INF, ISB, IVC, LDV, LOB, LSA, MCA, NCA, NCB, NCC, NCD, NWC, NWN, OOA, OOB, OTS, R01-R10, ROA, S01-S19, SNA, SP1, SP2, ST0, T, TDN, UNN, VCA, VMA, WAT.
- GNS — RDBI (1-8191).
- INW — blank or 0-999.
- IRA — D2RIN, D3RDOM, EAORI, EASDN, EASIN, EASXP, RTRDOM, RTRIN, TRD81, TRDIN.

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LSI — APN or NANP.
MCT — Multiple Carrier Index (1-1023).
MMT — RDBI (1-8191).
MRT — Multiple Routing Index (1-8191).
NVD — National Vendor ID (0-127).
PAS — 12 digit value.
PLU — Positive Look Up (PLU) index (1-262143).
PRT — Proportional Routing Index (1-127).
RDB — 1-8191.
RNR — RDBI (1-8191).
SD1 — 1-16383.
SD2 — 1-16383.
SD3 — 1-16383.
SDX — 1-16383.
SSP — ACPN, AII0, DB, DB00Y, DB7, DBC0IN, EASDNA,
EASEQ, NCP12, NDB, RT, RT00Y, RTC0IN, RTP,
SIAQ, SICQ, TNSND.
TEL — 12 digit value.
TST — 100, 101, 102, 103, 104, 105, 108, 109, DLC,
SYN.
TTS — Termination Toll Switch Index.

4. SYSTEM RESPONSE

PF Printout Follows. Followed by a VER:RTGLIST output message.

5. REFERENCES

PIDENTs
IOCPIMC4
IOCPPVR4
VRFYCNTL
VRFYINPT
VRFYOUT
VRFYRTNG

Translation Guide, 4ESSTM, TG-4, Division 8, Section 13w

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4ESS
4B000-01AC

VER:RTGLIST

Input Messages

VER:CODEGRP-MCTI

VER:CODEGRP-MRTI

VER:CODEGRP-PRTI

Output Message

VER:RTGLIST

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Use pursuant to Company Instructions.

ID VER:RTNR-CSCI
WORK CENTER.. MAC, MOC
GENERIC 4E22 Rel. 2 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Requests verification of the Circuit Selection Capability preference mapping.

2. FORMAT

VER:RTNR:CSCI {a|(a,a,...)|a-a}!

3. EXPLANATION OF MESSAGE

a Circuit Selection Capability Index (**CSCI**) number (0-31). May be a single number, a list or a range.

4. SYSTEM RESPONSE

PF Printout Follows.

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYINPT

Output Message
VER:RTNR-CSCI

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:SERVICE
WORK CENTER.. MOC
GENERIC 4E19 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Requests data specific to certain switching services.

2. FORMAT

VER:SERVICE:SRVC a!

3. EXPLANATION OF MESSAGE

a Service, a domain number, or a domain:
20-83, APN, DEC0, DEC1, DEC6, DED, DER0, DER1, DER6,
DEV, I384, I56D, I64C, IH1C, INCD, INTD, INTO, INTT,
INTV, IO56, IO64, IOH0, IOH1, ITD, IVT, MEGC, N64C,
N64R, NCAT, NH0C, NH1C, SDNA.

4. SYSTEM RESPONSE

PF Printout Follows. Followed by a VER:SERVICE output message.
RL Retry Later.

5. REFERENCES

PIDENTs
VRFYINPT
VRFYMISC
VRFYOUT

Translation Guide, 4ESSTM, TG-4, Division 8

Output Message
VER:SERVICE

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:TRK-TAN
WORK CENTER.. MAC, MOC
GENERIC 4E22 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Request the output of assigned Trunk Appearance Number (**TAN**) to Expanded Time Slot Interchange (XTSI) Signal Processing Unit (SPU) echo canceler assignment having characteristics specified with this message.

To list all assignments in an office, enter a **TAN** range of 000001-6317127. To list all assignments in an office which have specific options, enter the desired optional keywords along with the **TAN** range.

2. FORMAT

VER:TRK:TAN a[{-|,}a[...]][,HYBLS f,NMTCH g,TONDIS h],OPT XSPU!

3. EXPLANATION OF MESSAGE

- a Trunk Appearance Number (**TAN**) (000001-6317127) defined as bbcdeee:
- bb — Time Slot Interchange (TSI) (00-63).
- c — Switching and Permuting Circuit (SPC) (0-1).
- d — Level (LVL) (0-7).
- eee— First Time Slot (FTS) (000-127).
- f Echo canceler hybrid return loss (0-6).
- g Echo canceler noise matching:
- DISAB — Disabled.
- ENAB — Enabled.
- h Echo canceler tone disabler:
- NONE — Disable echo canceler is disabled.
- PI — Disable echo cancellation upon detection of a 2100Hz tone with or without phase reversal (phase independent).
- PR — Disable echo cancellation upon detection of a 2100Hz tone with phase reversal.

4. SYSTEM RESPONSE

PF Printout Follows.

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

RL Retry Later.

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYCNTL
VRFYINPT
VRFYTRK

Output Message
VER:TRK-XTSISPU

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:TRK-USEC
WORK CENTER.. MAC, MOC
GENERIC 4E19 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

To verify the correlations of the Trunk Appearance Number (TAN) to the Universal Services Echo Canceler (USEC) contained in the translators.

2. FORMAT

VER:TRK:TAN a[-a],OPT USEC!

3. EXPLANATION OF MESSAGE

a Decimal Trunk Appearance Number (**TAN**) which equals bbcdeee, where:

bb — Time-slot interchange (00-63).
c — Switching permuting circuit (0-1).
d — Switch level (0-7).
eee — First time slot (000-127).

NOTE: One **TAN** or a range of **TANs** may be specified.

4. SYSTEM RESPONSE

NA Not Accepted.
PF Printout Follows.

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYCNTL
VRFYINPT
VRFYTRK

Output Message
VER:TRK-USEC

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:TSG-SPU
WORK CENTER.. MAC, MOC
GENERIC 4E22 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Requests the verification of information relating to message trunks in a trunk subgroup. The trunk information includes the per call control of TrueVoice® information as well as the Expanded Time Slot Interchange (XTSI) Signal Processing Unit (SPU) echo cancellation information for a given trunk subgroup.

2. FORMAT

VER:TSG;SPU:CIN aaaabbbbccddeeffff!

3. EXPLANATION OF MESSAGE

- | | |
|---|---|
| a | Base traffic number (BTFN) of Trunk Subgroup (TSG) (0 - 9976). |
| b | TOWN, a four character alphabetic combination representing the town, city or location for the far end of the trunk sub-group. |
| c | ST, the state is a two character alphabetic code for the far end state, province or foreign country. |
| d | BL, Contains the office identity for the far end of the trunk sub-group. The code may be either two alphabetic or two numeric characters. Independent telephone company locations are always designated by an X plus some alpha character in this field. If the trunk sub-group terminates in a customer's building and it is not necessary to identify that particular building, this code may be arbitrary. |
| e | FBS, a three character alphanumeric code for internal building identification. |
| f | NBS, identifies the internal building subdivision for the near end of the trunk sub-group. It is a three character alphanumeric combination. |

4. SYSTEM RESPONSE

- | | |
|----|-------------------|
| NA | Not Accepted. |
| PF | Printout Follows. |

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYCNTL
VRFYINPT
VRFYTSG

Output Message
VER:TSG-TSGSPU

ID VER:USEC-SADC
WORK CENTER.. MAC, MOC
GENERIC 4E19 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

To verify the correlations of the Trunk Appearance Number (TAN) to the Universal Services Echo Canceler (USEC) contained in the translators.

2. FORMAT

VER:USEC aaabc[-aaabc],**OPT SADC!**

3. EXPLANATION OF MESSAGE

aaa USEC frame number (000-127).
b USEC shelf number (0-6).
c Echo Canceler Line Interface (ECLI) card number (0-7).

NOTE: One **USEC** or a range of **USECs** may be specified.

4. SYSTEM RESPONSE

NA Not Accepted.
PF Printout Follows.

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYCNTL
VRFYINPT
VRFYTRK

Output Message
VER:USEC-SADC

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Use pursuant to Company Instructions.

ID VER:VFUNC
WORK CENTER.. MAC, MOC
GENERIC 4E22 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Requests the verification of miscellaneous data and specific information based upon the input **VFUNC** keyword.

2. FORMAT

- [1] **VER:VFUNC OCTCP!**
- [2] **VER:VFUNC SUXTSI[:FD1 XTSIMEMN,DT1 a]!**
- [3] **VER:VFUNC XTSID3U[:FD1 XTSIMEMN,DT1 a][,FD2 D3UN,DT2 b]!**
- [4] **VER:VFUNC XTSISPU[:FD1 XTSIMEMN,DT1 a][,FD2 SPUPN,DT2 b]!**

3. EXPLANATION OF MESSAGE

OCTCP	Verify Originating Carrier and Terminating Country Pair (OCTCP) to multiple carrier treatment assignment.
SUXTSI	Sub-unit Expanded Time Slot Interchange (XTSI) type data.
a	XTSI member number (2-62 even numbers only).
XTSID3U	XTSI Digital Signal Level 3 (DS3) unit application.
b	DS3 number (0-7). Six is the spare Digital Signal Level 3 Unit (D3U) number for D3U numbers 0, 1 and 2. Seven is the spare D3U number for D3U numbers 3, 4 and 5.
XTSISPU	Verify the echo cancellation configuration of XTSI Signal Processing Unit (SPU) system.

4. SYSTEM RESPONSE

NA	Not Accepted.
PF	Printout Follows.

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYCNTL
VRFYINPT
VRFYMISC

Output Messages
VER:MISC-OCTCP
VER:MISC-SUXTSI
VER:MISC-XTSID3U
VER:VFUNC-XTSISP

ID VER:VFUNC-PLUCHK
WORK CENTER.. MAC, MOC
GENERIC 4E23 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

A request to detect a failing Positive Look Up (PLU) index number, if any.

2. FORMAT

VER:VFUNC PLUCHK!

3. EXPLANATION OF MESSAGE

See Purpose.

4. SYSTEM RESPONSE

NA	Not Accepted.
PF	Printout Follows.

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYCNTL
VRFYINPT
VRFYMISC

Output Message
VER:CODEGRP-PLU

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:VFUNC-RCMEAS
WORK CENTER.. MAC, MOC
GENERIC 4E24 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Requests the verification of the number of times all Recent Change (RC) form / messages were successfully activated, the longest successful activation times and the cumulative processing times for those forms / messages.

2. FORMAT

VER:VFUNC RCMEASCT!

3. EXPLANATION OF MESSAGE

See Purpose.

4. SYSTEM RESPONSE

?I	Identification field contains an error. Invalid keyword or combination of keywords.
PF	Printout Follows. Request is being processed and the output message VER:RCMEASCT will follow.
RL	Retry Later. Request cannot be processed at this time.

5. REFERENCES

PIDENTs
IOCPMCP4
IOCPPVR4
VRFYMISC
VRFYOUT

Output Message
VER:RCMEASCT

ID VER:VFUNC-XTSIPM
WORK CENTER.. MAC, MOC
GENERIC 4E22 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Requests the display of the 15 minute and 24 hour Expanded Time Slot Interchange (XTSI) Digital Signal Level 3 Unit (D3U) Digital Signal Level 1 (DS1) performance monitoring thresholds.

2. FORMAT

VER:VFUNC XTSIPM!

3. EXPLANATION OF MESSAGE

See Purpose.

4. SYSTEM RESPONSE

NA	Not Accepted.
PF	Printout Follows.

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYCNTL
VRFYINPT
VRFYMISC

Output Message
VER:MISC-XTSIPM

ID VER:VFUNC-XTSPUD
WORK CENTER.. MAC, MOC
GENERIC 4E22 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Requests the verification of Expanded Time Slot Interchange (XTSI) Signal Processing Unit (SPU) Digital Signal Level 1 (DS1) to Trunk Appearance Number (TAN) assignment.

2. FORMAT

VER:VFUNC XTSPUDG:FD1 XTSIMEMN,DT1 a[,FD2 b,DT2 c][,FD3 b,DT3 c][,FD4 b,DT4 c]!

3. EXPLANATION OF MESSAGE

- a Time Slot Interchange (TSI) member number of an XTSI (2-62 even numbers only).
- b Field identifier:
- SPC — Switching and Permuting Circuit (SPC).
- SPUDG — Signal Processing Unit Di-Group (SPUDG).
- SPUN — Signal Processing Unit Number (SPUN).
- c Field argument: SPC (0-1). SPUDG (0-8). SPUN (0-9).

4. SYSTEM RESPONSE

- NA Not Accepted.
- PF Printout Follows.

5. REFERENCES

PIDENTs
VRFYCNTL
VRFYINPT
VRFYMISC

Output Message
VER:TRK-XTSPUDG

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:VFUNC-XTUNAS
WORK CENTER.. MAC, MOC
GENERIC 4E22 and later
CLASS VER
APPLICATION .. 4E - Proprietary
TYPE Input

1. PURPOSE

Requests the verification of the list number of unassigned Expanded Time Slot Interchange (XTSI) Signal Processing Unit (SPU) sub-unit echo cancellation Digital Signal Level 1 (DS1)s with like options.

2. FORMAT

VER:VFUNC XTUNASPU[:FD1 a,DT1 b][,FD2 a,DT2 b][,FD3 a,DT3 b][,FD4 a,DT4 b]!

3. EXPLANATION OF MESSAGE

- a Field identifier:
- HYBLS — Echo canceler hybrid return loss.
- NMTCH — Echo canceler noise matching.
- TONDIS — Echo canceler tone disabler.
- TVTYP — AT&T TrueVoice® (TV) type.
- b Matching data to field identifier:
- HYBLS — Echo canceler hybrid return loss (0-6).
- NMTCH — Echo canceler noise matching:
- DISAB — Disable
- ENAB — Enable
- TONDIS — Echo canceler tone disabler:
- NONE — Disable echo canceler tone disabler.
- PI — Disable echo cancellation upon detection of a 2100Hz tone with or without phase reversal (phase independent).
- PR — Disable echo cancellation upon detection of a 2100Hz tone with phase reversal.

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TVTYP — TV type:

ENH — Enable enhanced TV.

NONE — Disable TV.

TONLY — Enable Tone only TV.

4. SYSTEM RESPONSE

NA Not Accepted.

PF Printout Follows.

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYCNTL
VRFYINPT
VRFYMISC

Output Message
VER:TRK-XTUNASPU

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Use pursuant to Company Instructions.

ID CPN:ANOMALY
WORK CENTER.. TOC
GENERIC 4E24 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

[1] CPN ANOMALY REPORT a COMPLETED SEG 1

REPORTING OFFICE b			
TSGN	CLLI	COUNT	STATE
c	d	e	f

[2] CPN ANOMALY REPORT COLLECTION MODE g SEG h

REPORTING OFFICE b		
TSGN	CLLI	COUNT
i	j	k
.	.	.
.	.	.
.	.	.

[3] CPN ANOMALY REPORT DETECTION MODE g SEG h

REPORTING OFFICE b	
TSGN	CLLI
l	m
.	.
.	.
.	.

2. REASON FOR OUTPUT

The output will occur if requested by a manual demand message or as a result of an autonomous printing. The data which is output provides information as to the collection / observation of invalid Calling Party Number (CPN) data. The data may be output for a single Trunk Subgroup (TSG) or for all affected TSGs in the office. Dependent upon the mode of operation of the feature, different types of data may be output. Additionally, autonomous office data will be printed to the channel designated as the recipient channel (see RC:FORM 810 and output message VER:MISC-FHT-CAR). The data will be output based on the feature mode in progress. If the collection mode is in effect, the autonomous printout will occur each morning at about 01:15 am. If the detection mode is in effect, the autonomous printout will occur on Sunday mornings at about 01:15 am.

Format [1] prints as a response to a OP:CAR input message. This format will output the currently known data for the requested entry. Data is printed for a single entry only.

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Use pursuant to Company Instructions.

Format [2] prints as a result of a demand OP:CAR input message when the feature is in the collection mode of operation or an autonomous printing when in the collection mode of operation which will occur each morning at approximately 01:15 am. As the result of an autonomous printing, all entries will be zeroed. Entries will be printed only if a Trunk Subgroup (TSG) is marked as allowing Calling Party Number (CPN) anomaly processing and if the count of erroneous CPNs exceeds the Office Database Assembler (ODA) specified threshold. (See RC:FORM 810 and output message VER:MISC-FHT-CAR!) Up to 20 entries per segment may be printed.

Format [3] prints as a result of a demand OP:CAR input message when the feature is in the detection mode of operation or an autonomous printing when in the detection mode of operation which will occur each Sunday morning at approximately 01:15 am. As the result of an autonomous printing, all entries will be zeroed. Entries will be printed only if a TSG is marked as allowing CPN anomaly processing and if erroneous CPNs have been detected. Up to 20 entries per segment may be printed.

3. VARIABLE FIELD DEFINITIONS

- | | |
|---|--|
| a | Feature mode:

COLLECTION MODE

DETECTION MODE |
| b | Common Language Location Identifier (CLLI). The reporting office name. |
| c | Trunk Subgroup Number (TSGN) in decimal for the individual entry requested. |
| d | Trunk Subgroup (TSG) destination office name for the individual entry requested |
| e | The number of CPN anomalies collected per TSG for the individual entry requested when in the COLLECTION mode of operation (1-4194303). |
| f | Current state of the TSG entry for the individual entry requested:

NDC — TSG is not marked for CPN anomaly reporting.

INV — Illegal detection state.

COK — CPNs received / observed are correct, DETECTION mode.

CNG — CPNs received / observed are not correct, DETECTION mode.

NCR — No calls received, DETECTION mode.

TEX — Count of incorrect CPNs exceeds threshold, COLLECTION mode.

TNX — Count of incorrect CPNs does not exceed threshold, COLLECTION mode. |

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- g Message segment state:
 IN PROGRESS — Printing is in progress.
 COMPLETED — This is the last segment.
 MANUALLY STOPPED — Message has been manually stopped via
 STOP:OP-CAR input message.
- h Segment number (1-205).
- i Trunk subgroup number in decimal of an entry which has exceeded the
 threshold while in the COLLECTION mode of operation.
- j Trunk subgroup destination office name of an entry which has
 exceeded the threshold while in the COLLECTION mode of operation.
- k Number of erroneous CPNs for this TSG while in the COLLECTION
 mode of operation (1-4194303).
- l Trunk subgroup number in decimal of an entry for which erroneous
 CPNs have been observed while in the DETECTION mode of operation.
- m Trunk subgroup destination office name of an entry for which
 erroneous CPNs have been observed while in the DETECTION mode
 of operation.

4. ACTION TO BE TAKEN

None. This is an informational message only.

5. REFERENCES

PIDENTs
TMTCCAR

Input Messages
STOP:OP-CAR
ORD:CAR

Output Message
VER:MISC-FHT-CAR

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Use pursuant to Company Instructions.

ID DUMP:XTSI-SPU
WORK CENTER.. MOC, TEC
GENERIC 4E24 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

XTSI INTERNAL REGISTER DUMP:
DUMP:XTSI a,SPU b,IREG!

c...c d...d e...e f...f g...g h...h i...i j...j
k...k l...l m...m n...n o...o p...p

2. REASON FOR OUTPUT

To print the Internal Registers (IREG), of the specified Signal Processing Unit (SPU), for a particular Expanded Time Slot Interchange (XTSI) frame.

NOTE: The triple dots in the message represent six characters. For example, d...d is actually dddddddd.

3. VARIABLE FIELD DEFINITIONS

a	XTSI member number (0-63).
b	SPU unit number (0-11).
c	SPU Software Status (SPUSTATUS).
d	SPU Hardware Status (SPUSTAT).
e	SPU Error Source Register (SPUESR).
f	SPU Controller (SPUCTL).
g	SPU Exercise Register (SPUEXR).
h	XL4USPSUES - Spare: Equipage, Hardware and Software versions.
i	XL4USFVSPS - SPU: Equipage, Hardware and Software versions.
j	XL4USPSTDO - SPU echo cancellation data.
k	XL4USPSTY0DGO - SPU TrueVoice® data, Signal Processing Controller 0 (SPC0).
l	XL4USPSTY1DGO - SPU TrueVoice® data, SPC1.
m	Least significant 24 bits of firmware version number.
n	Most significant 8 bits of firmware version number.
o	Least significant 24 bits of software version number.

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p Most significant 8 bits of software version number.

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENT
PULP

Practice 234-180-280, *Peripheral Utility Program (PULP) - Description*

Practice 234-010-107, *Maintenance Reference Handbook* - Description of XTSI internal registers. (critical registers are a subset of the internal registers)

Input Messages
DUMP:XTSI-SPU
LOAD:XTSI-SPU

Output Message
LOAD:XTSI-SPU

ID OP:BUNSTAT
WORK CENTER.. MOC, TOC
GENERIC 4E19 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

[1] OP:BUNSTAT

OD4BUNSDIS	a	b	[c]
OD4SLKNTERM	d	BU4SLKNNSN	e
BU4TERMSLKN	f	BU4NSNSLKN	g
BU4MYSLKNTST	h	BU4MYSLKNCST	i
BU4MYSLKNINH	j	BU4MYSLKNSTAT	k

SLKN	ID	TERM0	ID	TERM1	CLLI	TST	CST	DSIG	INH	NSN	
l	m	n	o	p	q	r	s	t	u	v	[w]
.											
.											
.											

[2] OP:BUNSTAT:NSN a1

HELPER STATUS FOR b1 DPC c1

BU4NSNAXCON	ADR	d1				
BU4NSNAXTS	ADR	e1	f1	BU4NSNAXCS	ADR	g1 h1
BU4NSNSLKN	TS	ADR	i1 j1	BU4NSNSLKNCS	ADR	k1 l1
IBHELPER	BITMAP	m1		OBHELPER	BITMAP	n1

HELPERS:

o1	p1	q1
.		
.		
.		

2. REASON FOR OUTPUT

This message prints in response to a OP:BUNSTAT input message.

3. VARIABLE FIELD DEFINITIONS

a Address of the Alternate Signaling Transport Network (ASTN) on/off word.

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Use pursuant to Company Instructions.

- | | |
|---|---|
| b | Status of the on / off switch:

DISABLED

ENABLED |
| c | Status of ASTN - Network Interconnect (NI):

NI INHIBITED — Feature has been inhibited manually using the SET:BUNSTAT input message or via the Network Management Operations Support System (NEMOS). |
| d | Address where F-Link layers are defined for ASTN use. |
| e | Address of ASTN translation structure, Signaling Link Number (SLKN) to Network Switch Number (NSN). |
| f | Address of ASTN translation structure, F-Link terminal value to SLKN translation. |
| g | Address of ASTN translation structure, NSN to SLKN translation. |
| h | Address of ASTN F-Link layer in/out-of-service status by SLKN bit position. |
| i | Address of ASTN F-Link layer congestion status by SLKN bit position. |
| j | Address of ASTN F-Link layer manual or NEMOS inhibit status by SLKN bit position. |
| k | Address of ASTN F-Link layer hardware out of service status by SLKN bit position. |
| l | Signaling Link Number (SLKN) (1-16). |
| m | F-Link definition status:

0 — No F-Link is defined.
1 — An F-Link is defined. |
| n | F-Link value:

00-239 4.8kbps F-Link
240-247 56kbps F-Link |
| o | F-Link definition status:

0 — No F-Link is defined.
1 — An F-Link is defined. |
| p | F-Link value:

00-239 4.8kbps F-Link
240-247 56kbps F-Link |
| q | Office name of far end of ASTN F-Link layer. |

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Use pursuant to Company Instructions.

r	Service status of F-Link layer: 0 — Indicates that the F-Link layer is out of service. 1 — Indicates that the F-Link layer is in service.
s	Congestion status of the F-Link layer: 0 — Indicates that the F-Link layer is not congested. 1 — Indicates that the F-Link layer is congested.
t	Status of the F-Links for Transaction Capability Application Part (TCAP) message transport.
u	Inhibit status of the F-Link layer: 0 — Indicates that the layer is not inhibited. 1 — Indicates that the layer is inhibited via either an input manual message SET:BUNSTAT or NEMOS control.
v	Network switch number (1-176).
w	Additional characteristics of the layer: blank — 4.8 kbps layer. * — 56 kbps layer. & — Layer is an outbound helper for ASTN-NI. g — One link of the defined 56k pair of this layer is in growth. G — The defined layer is in growth. h — One link of the defined 56k pair of this layer is an outbound helper in growth. H — The defined layer is an outbound helper in growth.
a1	Network switch number (1-176).
b1	Office name associated with the NSN.
c1	Destination point code of the NSN.
d1	Address of ASTN structure which contains the identities of the offices which have F-Link connectivity to the input NSN.
e1	Address of ASTN structure which contains the in/out of service status for the offices which have F-Link connectivity to the input NSN.
f1	The in/out of service status by bit position.
g1	Address of ASTN structure which contains the congestion status for the offices which have F-Link connectivity to the input NSN.
h1	The congestion status by bit position.

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i1	Address of ASTN structure which contains the in/out of service status for the F-Links when used as helpers to the destination.
j1	The in/out of service status by bit position.
k1	Address of ASTN structure which contains the congestion status for the F-Links when used as helpers to the destination.
l1	The congestion status by bit position.
m1	The identities by Signaling Link Number (SLKN) bit position of those F-Links that are inbound helpers for ASTN-NI.
n1	The identities by SLKN bit position of those F-Links that are outbound helpers for ASTN-NI.
o1	Office code for A-Link helper.
p1	Office code for A-Link helper.
q1	Office code for direct A-Link to destination.

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
IOCPIOH4
TMADASTN
TMADBUNS

Input Messages
OP:BUNSTAT
SET:BUNSTAT
STOP:OP-BUNSTAT
UPD:BUNSTAT

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID OP:OOSUNITS-IPC
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E19 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

OP:OOSUNITS PCCGW
[IPCC LACID a OOS [b] [b] [b]]
[IPCC LACID a OOS [b] [b] [b]]
[GW c OOS]
[NONE]

2. REASON FOR OUTPUT

To provide the current Out Of Service (OOS) status for each Individual Per Call Control (IPCC) Link Access Circuit Identifier (LACID) and the reason(s) for the outage and also to indicate when either or both gateways are out of service.

3. VARIABLE FIELD DEFINITIONS

a	LACID identifier.
b	One or more OOS status indicators: FR — Fault recovery outage. LINK DOWN — Special Access Data Channel (SADC) links down. MAN — Manual OOS.
c	Gateway: 1 — Primary. 2 — Secondary.
OOS	Out of service.
NONE	No out of service conditions exist.

NOTE: At least one additional line of output will appear when OP:OOSUNITS:PCCGW! is requested. When OP:OOSUNITS! is requested, if no LACIDs or gateways are out of service, no output will occur.

4. ACTION TO BE TAKEN

Consult the 234-110-082AC *Individual Per-Call Control (i PCC) Gateway - System Description* and 234-151-082AC *Individual Per-Call Control (i PCC) Gateway - Acceptance, Growth, and Trouble Clearing Procedures* practices.

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

5. REFERENCES

PIDENTs
IPCC

Practice 234-110-082AC, *Individual Per-Call Control (i PCC) Gateway - System Description*
Practice 234-151-082AC, *Individual Per-Call Control (i PCC) Gateway - Acceptance, Growth,
and Trouble Clearing Procedures*

Input Messages
OP:OOSUNITS
OP:PCCGW

ID OP:PCCGW
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E20 Rel. 3 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

[1] OP:PCCGW
GW1 (PRI) a
GW2 (SEC) a

SWITCHES IN COMPLEX

b
[c]
[c]
[c]
GW1 (PRI) VERSION d
GW2 (SEC) VERSION d

[2] OP:PCCGW
e

SWITCHES IN COMPLEX

b
[c]
[c]
[c]
GW1 (PRI) VERSION d
GW2 (SEC) VERSION d

2. REASON FOR OUTPUT

To display the output gateway port status.

3. VARIABLE FIELD DEFINITIONS

- a Status:
INS — In service.
OOS — Out of service.
- b Identity, by office name, of the master switch.
- c Identity, by office name, of switches (non-master) (maximum of 3) in the gateway complex.
- d Version number or if the version number is not available than UNAV will be printed.

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- e Explanatory text:
- GW f REPORTING SIMPLEX
- LINKS TO VENDOR DOWN — Special Access Data Channel (SADC)
links down.
- REQUEST REJECTED BY GATEWAY
- TIMEOUT WAITING FOR GATEWAY REPLY
- TRANSLATION ERROR — Check the VER:ADSLINK output message
with an ADSI keyword of 16 for translation
accuracy.
- f Gateway:
- 1 — Primary.
- 2 — Secondary.

4. ACTION TO BE TAKEN

Consult the 234-110-082AC *Individual Per-Call Control (i PCC) Gateway - System Description* and 234-151-082AC *Individual Per-Call Control (i PCC) Gateway - Acceptance, Growth, and Trouble Clearing Procedures* practices.

5. REFERENCES

PIDENTs
IPCC

Practice 234-110-082AC, *Individual Per-Call Control (i PCC) Gateway - System Description*
Practice 234-151-082AC, *Individual Per-Call Control (i PCC) Gateway - Acceptance, Growth,
and Trouble Clearing Procedures*

Input Message
OP:PCCGW

Output Message
VER:ADSLINK

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Use pursuant to Company Instructions.

ID OP:SCRN
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E24 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

- [1] OP:SCRN;DETL {STARTED|IP|COMPLETED} SEGMENT a
- ON TRAP DIGITS SIC TYPE INDX CTR ROUTING SCH ERRC
b cccc dddddddddd eee fff gggg hhhhhh [iiiiiiiiii] j kk
- [2] OP:SCRN;DETL;ENTRY NOT FOUND
- [3] OP:SCRN;SUM ERROR SEGMENT a
- ON TRAP DIGITS SIC TYPE INDX CTR ROUTING SCH ERRC
b cccc dddddddddd eee fff gggg hhhhhh [iiiiiiiiii] j kk
- [4] OP:SCRN;SUM;COMPLETED 1 ERRORS DETECTED
ENTRY COUNT m
n n n n n n n n
o o o o o o o o
- [5] OP:SCRN;DETL {STARTED|IP|COMPLETED} SEGMENT a
DIGITS SCHEDULE
SMTWTFS STTM DUR TYP
pppppppppp qqqqqqq rrrr ssss tt
- [6] OP:SCRN;DETL: COMPLETED
- TYPE MEMN ANNUM
tt u vvv
- [7] OP:SCRN;DETL: {ADCR|SAFER};CMPL
- SSS1 SSS2
www xxx
- [8] OP:SCRN;SUM:STAT XRNRECORD CMPL
- NUM ENTRIES y

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Use pursuant to Company Instructions.

```

[9]   OP:SCRN;DETL:STAT XRNRECORD z SEG a1
      CDBI BN      RN      DOM
      b1 c1      d1      e1
      .  .      .      .

[10]  OP:SCRN; DETL {STARTED|IP|COMPLETED} SEGMENT a
      TRAP      DIGITS  SIC DOM FAI CSR INDX  ROUTING      ERRC
      c          d  f1 e   e1 g1 h1 i1      j1          k

```

2. REASON FOR OUTPUT

Response to the OP:SCRN input message.

Format [1] prints for High Capacity Calling (HICAP) output.

Format [2] prints when the requested digit slot is empty and the request was for a single specified slot.

Format [3] prints when errors are detected when requested a summary version of the message.

Formats [8-9] prints for the Express Connect® feature. (XRNRECORD)

Format [10] is used to output the data for the Alternate Number Translations (ANT) data tables. (Also known as Inbound Services Emergency Translations [ISET] Tables.) (ANTRECORD)

3. VARIABLE FIELD DEFINITIONS

a	Segment number.
b	Schedule state:
	OFF
	ON
c	Slot number.
d	10-digit dialed number.
e	Service Indicator Code (SIC).
f	Type of service:
	NB — INBOUND no routing number, payphone indicator = no calls killed.
	NBP — INBOUND Plain Old Telephone Service (POTS) routing number, payphone indicator = no calls killed.
	NBD — INBOUND Dedicated Egress Voice (DEV) routing number, payphone indicator = no calls killed.

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	NF	— INFO-1 no routing number, payphone indicator = no calls killed.
	NFP	— INFO-1 Plain Old Telephone Service (POTS) routing number, payphone indicator = no calls killed.
	NFD	— INFO-1 Dedicated Egress Voice (DEV) routing number, payphone indicator = no calls killed.
	PB	— INBOUND no routing number, payphone indicator = calls killed.
	PBP	— INBOUND POTS routing number, payphone indicator = calls killed.
	PBD	— INBOUND Dedicated Egress Voice (DEV) routing number, payphone indicator = calls killed.
	PF	— INFO-1 no routing number, payphone indicator = calls killed.
	PFP	— INFO-1 POTS routing number, payphone indicator = calls killed.
	PFD	— INFO-1 Dedicated Egress Voice (DEV) routing number, payphone indicator = calls killed.
g	Index.	
h	Number of attempts for this number.	
i	10-digit routing number.	
j	Schedule indicator:	
	N	— Schedule not present.
	Y	— Schedule present.
k	Error has occurred when comparing digits in current slot with digits in slot 1:	
	ERRC 1	— Digits out of order.
	ERRC 2	— Digits not in prescreen table bit map.
	ERRC 3	— Both errors have been detected.
l	Number of errors detected.	
m	Number of entries output/checked.	
n	8 words of hash related to the words containing digits 1 through 6.	
o	8 words of hash related to the words containing digit 7 plus High Capacity Calling (HICAP) data.	
p	10-digit 800 or 900 number.	
q	Days of the week (Sunday through Saturday).	

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r	Start time hours / minutes.
s	Duration of the event in 15 minute increments.
t	Type of service: INB — INBOUND INF — INFO-1
u	Member number of the out of time slot announcement.
v	Announcement number of the out of time slot announcement.
w	SSS1 digits input.
x	SSS2 digits input.
y	Total number of assigned entries populated.
z	Status of print segment: COMPLETED IP STARTED
a1	Print segment number (1-683).
b1	Customer data block index (0000-4095).
c1	10 digit billing number.
d1	Routing number.
e1	Domain: P — Plain Old Telephone Service (POTS) D — Dedicated Egress Voice (DEV) I — IDDDTC, Non-Pots Domain used for international outbound to an international switching center.
f1	Payphone indicator: blank — Indicates that any 8-- payphone originated calls will not be killed. P — Indicates that any 8-- payphone originated calls will be killed.
g1	Foreign Administration Identity (FAI) (00-31).
h1	Carrier Specific Routing (CSR) (0-1).
i1	Index to location of routing data, FAI, CSR and payphone indicator.
j1	Routing number, 7, 10, 12-15 digit number.

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4. ACTION TO BE TAKEN

Formats [1-4] seek technical assistance IMMEDIATELY if any errors occur. DO NOT proceed with recent changes if any errors exist.

Formats [5-10] are informational messages and no action is required.

5. REFERENCES

PIDENT
VRFYFHT

Input Message
OP:SCRN

ID OP:SDC-ASTN
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E19 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

OP:SDC ASTN NI INHIBITED

2. REASON FOR OUTPUT

This message will be output when the Network Interconnect (NI) portion of the Alternate Signaling Transport Network (ASTN) has been inhibited either via a manual or Network Management Operations Support System (NEMOS) controls. This message can be output when an OP:SDC input message is received; via Master Control Complex (MCC) request and via the hourly Service Degrading Condition (SDC) list report.

3. VARIABLE FIELD DEFINITIONS

None.

4. ACTION TO BE TAKEN

None, this is for information only.

5. REFERENCES

PIDENTs
TMADASTN
TMADBUNS

Input Messages
OP:BUNSTAT
OP:SDC
SET:BUNSTAT

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Use pursuant to Company Instructions.

1. FORMAT

2. REASON FOR OUTPUT

ESTN = ASTN (Alternate Signaling Transport Network)

Reading from the right most position, bits 1 and 2 are set, indicating that SLKNs 1 and 2 are inhibited.

None, this is for information only.

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4ESS
4B000-01AC

OP:SDC (ESTN FLINK

5. REFERENCES

PIDENTs
TMADASTN
TMADBUNS

Input Messages
OP: BUNSTAT
OP: SDC
SET: BUNSTAT

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Use pursuant to Company Instructions.

ID ORD:USEC
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E19 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

ORD:USEC;a[,MTCE][,ES]:b c

2. REASON FOR OUTPUT

To respond to an ORD:USEC input message.

3. VARIABLE FIELD DEFINITIONS

a	Message type: END — End of call. START — Start of call.
MTCE	Optional maintenance indicator.
ES	Optional end switch indicator.
b	Trunk identifier: CIN — Circuit identification number. OTAN — Octal trunk appearance number. TAN — Decimal trunk appearance number. TSN — Trunk scanner number.
c	Test result: COMPLETED - SUCCESS — Test successfully completed. ILLEGAL OPERATION — MTCE or ES keywords specified for Transmitted Noise Reduction (TNR) trunks. TRANSPORT UNAVAILABLE — Transport to the Universal Services Echo Canceler (USEC) is unavailable. TRK NOT USEC EQPD — Trunk is not assigned to a USEC.

4. ACTION TO BE TAKEN

None - message is informational.

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Use pursuant to Company Instructions.

4ESS
4B000-01AC

ORD:USEC

5. REFERENCES

PIDENT
IPCC
TMAD0005

Input Message
ORD:USEC

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Use pursuant to Company Instructions.

ID REPT:ASTN56LINK
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E19 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

REPT:ASTN56LINK:5 MINUTE STATUS				
LINK	SEC/CONG	SEC/ACTIVE	BYTES/SENT	BYTES/RCVD
a	b	c	d	e
.				
.				
.				

2. REASON FOR OUTPUT

This message will be autonomously output to the maintenance channel every 5 minutes while Alternate Signaling Transport Network (ASTN) 56kbps F-Links are in use during an incident or if the 56kbps F-Links have exhibited any congestion during the preceding 5 minute period.

3. VARIABLE FIELD DEFINITIONS

a	ASTN 56kbps link number (0-7).
b	Seconds of congestion during the preceding 5 minute period.
c	Seconds of 56kbps F-Link use for ASTN processing during the preceding 5 minute period.
d	Number of bytes sent via the 56 kbps link.
e	Number of bytes received on the 56kbps link.

4. ACTION TO BE TAKEN

None, this is for information only.

5. REFERENCES

PIDENTs
IOCPIOH4
TMADASTN
TMADBUNS

Input Messages
OP:BUNSTAT
SET:BUNSTAT

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID REPT:BUNS
WORK CENTER.. MOC, TOC
GENERIC 4E19 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

REPT:BUNS:ACTIVATED ON TSG:ab

2. REASON FOR OUTPUT

This message will be output to the maintenance, NMPR1, NMPR2 and TCA1 channels, when the Alternate Signaling Transport Network (ASTN) has been activated.

3. VARIABLE FIELD DEFINITIONS

- a Traffic number of trunk subgroup on which ASTN has been activated.
- b Office name of trunk subgroup on which ASTN has been activated.

4. ACTION TO BE TAKEN

None, this is for information only.

5. REFERENCES

PIDENTs
NMGTRMFD
TMADBUNS

Input Message
OP:BUNSTAT

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Use pursuant to Company Instructions.

ID REPT:BUNSMEAS
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E19 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

[1] REPT : BUNSMEAS

IAMSENT	ANSSENT	SENTFO	SENTFV
IAMRCVD	ANSRCVD	SENTSO	SENTSV

a	b	c	d
e	f	g	h

RCVDFT	RCVDFV
RCVDST	RSVDSV

i	j
k	l

RSNTFV	RRCVFO	RRCVSV
RSTNSV	RRCVSO	

m	n	o
p	q	

[2] REPT : BUNSMEAS : DSIG

INWATS

SENTFO	RCVDFO	RRCVFO
SENTFV	RCVDFV	RSNTFV

r	s	t
u	v	w

DSD

SENTFO	RCVDFO	RRCVFO
SENTFV	RCVDFV	RSNTFV

x	y	z
a1	b1	c1

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Use pursuant to Company Instructions.

[3] REPT:BUNSMEAS:NI

GATEWAY:

IAMRCVD	IAMSSV	SENTSV	RRCVSV
ANSRCVD	IAMSFV	SENTFV	MSGINH

d1	e1	f1	g1
h1	i1	j1	k1

INBOUND HELPER:

RCVDSV	SENTFV	RSTNSV
--------	--------	--------

l1	m1	n1
----	----	----

VICTIM:

IAMRCVD	IAMSENT	RCVDFT	RRCVFO
ANSRCVD	ANSSENT	SENTFO	

o1	p1	q1	r1
s1	t1	u1	

OUTBOUND HELPER:

IAMRCVD	RCVDFV	MSGINH
IAMSENT	RSNTFV	

v1	w1	x1
y1	z1	

2. REASON FOR OUTPUT

This autonomous message group is sent to the maintenance channel at 15 minute intervals during an Alternate Signaling Transport Network (ASTN) incident to display the number and types of messages transported and the success or failure of this transport.

This message consists of 3 formats:

The Format [1] segment contains the counts for Common Channel Signaling Version 7 (CCS7) and Real Time Network Routing (RTNR) load map messages transported via ASTN.

The Format [2] segment contains the counts for Transaction Capability Application Part (TCAP) messages transported via ASTN.

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Use pursuant to Company Instructions.

The Format [3] segment contains the counts for Network Interconnect (NI) messages transported via ASTN.

Only those formats which contain at least one non-zero count will be displayed at 15 minute intervals to the maintenance channel.

3. VARIABLE FIELD DEFINITIONS

a	Total number of Initial Address Messages (IAMs) sent from the originating switch.
b	Total number of answers sent from the originating switch.
c	Total number of messages sent on an F-Link from the originating switch.
d	Total number of messages sent on an F-Link from the helper switch.
e	Total number of IAMs received at the terminating switch.
f	Total number of answers received at the terminating switch.
g	Total number of messages sent via an A-Link from the originating switch.
h	Total number of messages sent via an A-Link from a helper switch.
i	Total number of messages received on an F-Link at the terminating switch.
j	Total number of messages received on an F-Link at the helper switch.
k	Total number of messages received on an A-Link at the terminating switch.
l	Total number of messages received on an A-Link at the helper switch.
m	Total number of backward failure messages sent on an F-Link from the helper switch.
n	Total number of backward failure messages received on an F-Link at the originating switch.
o	Total number of backward failure messages received on an A-Link at the helper switch.
p	Total number of backward failure messages sent on an A-Link at the helper switch.
q	Total number of backward failure messages received on an A-Link at the originating switch.
r	Total number of Inward Wide Area Telecommunications Service (INWATS) messages sent from a victim switch via F-Links.

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Use pursuant to Company Instructions.

s	Total number of INWATS messages received at a victim switch via F-Links.
t	Total number of backward failure messages received via an F-Link at the victim switch.
u	Total number of INWATS messages sent from a helper switch via F-Links.
v	Total number of INWATS messages received at a helper switch via F-Links.
w	Total number of backward failure messages sent from a helper switch via an F-Link.
x	Total number of Direct Services Dialing (DSD) messages sent from a victim switch via F-Links.
y	Total number of DSD messages received at a victim switch via F-Links.
z	Total number of backward failure messages received via an F-Link at the victim switch.
a1	Total number of DSD messages sent from a helper switch via F-Links.
b1	Total number of DSD messages received at a helper switch via F-Links.
c1	Total number of backward failure messages sent from a helper switch via an F-Link.
d1	Total number of IAMs received at the gateway.
e1	Total number of IAMs sent via A-Links to the inbound helper.
f1	Total number of message sent via A-Links to the inbound helper.
g1	Total number of backward failure messages received from the inbound helper.
h1	Total number of Answers (ANSs) received at the gateway.
i1	Total number of IAMs sent via F-Links to the inbound helper.
j1	Total number of messages sent via F-Links to the inbound helper.
k1	Total number of messages which were not processed due to an ASTN-NI INHIBIT.
l1	Total number of messages received via A-Links.
m1	Total number of messages sent to victim via F-Links.
n1	Total number of backward messages sent to the gateway.
o1	Total number of IAMs received.
p1	Total number of IAMs sent to the outbound helper.
q1	Total number of messages received.

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r1	Total number of backward failure messages received from the outbound helper.
s1	Total number of ANSs received.
t1	Total number of ANSs sent to the outbound helper.
u1	Total number of messages sent to the outbound helper.
v1	Total number of IAMs received.
w1	Total number of messages received.
x1	Total number of messages which were not processed due to an ASTN-NI INHIBIT.
y1	Total number of IAMs sent to the Local Exchange Carrier/Company (LEC).
z1	Total number of backward message sent to the victim.

4. ACTION TO BE TAKEN

None, this is for information only.

5. REFERENCES

PIDENTs
TMADASTN
TMADBUNS

Input Message
OP:BUNSTAT

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Use pursuant to Company Instructions.

ID REPT:IAOFC
WORK CENTER.. MOC, TOC
GENERIC 4E27 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

REPT:IAOFC, TRAPN a, bbb [c]
[defgh [DEL:i, NEXT DIGIT NUM:j, PRE:k] [FINAL ROUTE: l] [IAID: m] ...
nop q r [TOS: s, CID: t, INTL: u ,ITC: v] [w] [TNSI: x, INTL: u] ...
[CAUS: y DATA: z] [TNSI: a1, INTL: u, CID: t, DRTC: b1] ...
[EAANI: c1 OLIDIG: d1] [ISCAUS: e1 LOC: f1] ...
[SAN: g1 MAN: h1 EXDC: i1] [IIDIG: j1|OLIDIG d1] ...
[TRK GRP: k1, NSN: l1
ORIG: m1, SST: n1, DNST: o1, DEST: p1, TC: q1] ...
[RII: r1, TC: q1] s1 t1 u1 v1 w1 x1 y1 z1 a2 [VALKEY: b2 c2 d2 e2]]
[SDSERV: f2]
[SDPC:g2 SSN: h2]
[SPPC:i2 SSN:j2]
[SDRSN: k2]
[PNG: l2]
[CIC: m2]
[LRN: n2]
[SDTT: o2[,SPQRY: p2]]
[PLU CALL]
[LATA:q2]
[CSI:r2]
[REQUIRED CAPABILITY:a3]
FHCODE: s2,IFHCODE: t2,u2,{TRCODE|SVICT}: v2,{TRSUB|SVOGT|EAS}: w2x2
[** DATA LOST **]
y2
z2

2. REASON FOR OUTPUT

To report an event specified on an MON:IAOFC input message trap whose schedule is or has occurred. The data relevant to a call irregularity is displayed.

3. VARIABLE FIELD DEFINITIONS

- | | |
|---|--|
| a | Trap number (32-35) of the trap that caused the output. |
| b | Three characters describing Ineffective Attempt (IA) type. See Practice 234-103-018 for description. |
| c | Final Handling Announcement (FHI) override. See COMPOOL encoding of XL4RD_FHI. |
| d | Incoming Trunk (ICT) identity associated with the trapped event. |

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- e Outgoing Trunk (OGT) identity, if present, associated with the trapped event.
- f Service Circuit (SVC), if present, associated with the trapped event.
- g Digits (DIG) present when the event was trapped.
- h Calling Party Digits (CPDIG), if present, when the event was trapped. May be either a billing number or an Automatic Number Identification (ANI).
- i Number of digits that were deleted from the DIG variable.
- j The number of the next digit to be outputted after deleting and prefixing operations have been applied to DIG data.
- k The actual digits to be prefixed prior to outputting, blank if none.

NOTE: Example: If DIG = 6903452, DEL = 3, PRE = 1, and NEXT DIGIT NUM = 4, then digit 5 will be the next digit to be outputted, since it is the fourth digit left after 690 was deleted and the digit 1 was prefixed.

NOTE: Since the 4ESSTM switch gives up to four digits at a time to the Signaling Processor (SP) for Multifrequency (MF) outputting, the TRAP can only indicate what the next group of digits to be given to the SP will be, not what digit the SP will actually cause to be outputted next.

- l Circuit Identification Number (CIN) of trunk subgroup which was the final route hunted in a No Circuit Available (NCA) condition.
- m The internal Public Announcement Service (PAS) frame identity for those call irregularities that are associated with PAS calls, either a customer call to listen to a PAS announcement or a call to create or update a PAS announcement. PAS announcement number.
- n Domain Incoming (DOMI) from Call Register (CR). See COMPOOL encoding of CR4DOMI.
- o Dynamic Non-Hierarchical Routing (DNHR) Incoming Class Mark (DNHRICM). See COMPOOL encoding of CR4CIDNHRI.
- p DNHR Outgoing Class Mark (DNHROCM). See COMPOOL encoding of CR4CODNHRO.
- q Blue Box Digits (BBDIG) collected when event was trapped.
- r Previously Stored Number (PSN).
- s Type Of Service (TOS).
- t Carrier Identification (CID).
- u International (INTL) flag.

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v	Incoming Trunk Class (ITC).
w	Service index number (see COMPOOL encoding of CR4CBC_SERV).
x	Transit network selection index.
y	Q931 cause value.
z	Octal data (16 bits).
a1	Integrated Services Digital Network (ISDN) User Part (ISUP) direct translation. Transit network selection index.
b1	Data rate transport capability (XL4DRTC).
c1	Originating Line Information (OLI) Equal access Automatic Number Identification (ANI) type.
d1	OLI digits.
e1	ISUP cause value.
f1	Location data.
g1	Subaccount number.
h1	Mandatory/optional subaccount number.
i1	Expected digit count.
j1	Equal access Information Digits (IIs).
k1	Real Time Network Routing (RTNR) class of service. Trunk Group (TRK GRP) circuit identification number.
l1	Network Switch Number (NSN).
m1	Class Of Service (COS) Origination (ORIG).
n1	COS Signaling Service Type (SST).
o1	COS Dial Number Service Type (DNST).
p1	COS Destination (DEST).
q1	Transport Capability (TC).
r1	RTNR service routing information.
s1	Service Circuit System (SCS) expanded Final Handling Announcement (FHANN) value.
t1	Byte Length (BLEN) of User To User Information (UUI) / Access Transport (ATP).
u1	Adjunct Logical Address (ALA).
v1	Originating Point Code (OPC).
w1	Invoke (INVK) Identification (ID).
x1	Credit Card Digits (CARD).

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y1	Destination Point Code (DPC).
z1	Subsystem Number (SSN).
a2	Operator (OPER) requested call.
b2	Validation Key (VALKEY) data. Feature identification.
c2	Trigger identification.
d2	Call state.
e2	Call directionality.
f2	Segmentation Directory (SD) service indicator. Refer to the 4ESS TM <i>Domestic Call-Irregularity Maintenance Reference Handbook</i> .
g2	SD point code.
h2	SD subsystem number.
i2	SD service processor point code.
j2	SD service processor point code subsystem number.
k2	SD reason. Refer to the 4ESS TM <i>Domestic Call-Irregularity Maintenance Reference Handbook</i> .
l2	Ported number gap.
m2	Carrier identification code.
n2	Local routing number.
o2	Segmentation Directory (SD) transition type value. See COMPOOL encoding of CR4SD_TRAN_TYPE.
p2	SD service processor query status. See COMPOOL encoding of CR4SD_SPQRY_STAT.
PLU CALL	Positive Look Up (PLU) call.
q2	Local Access Transport Area (LATA) number.
r2	Carrier Selection Information (CSI) number.
s2	Final Handling Code (FHCODE). This is the raw data describing the failure at the level of detail internal to the program. See COMPOOL encoding of FH4FHIDIDEN item.
t2	Input Final Handling Code (IFHCODE). Raw data for the final handling code which was input to TMAD0002 program prior to possible clarification into the more detailed FHCODE variable.
u2	Q931 or ISUP message pointer. COMPOOL encoding is Q94_MESS_TYPE (Q931) and C74 MSGTYPE (ISUP), respectively.
TRCODE	Trunk register code.
SVICT	State vector, incoming trunk.

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Use pursuant to Company Instructions.

v2	Raw data for Call Register (CR) incoming state vector or Trunk Register (TR) code. See COMPOOL encoding for CR4SVICT and TR4CODE, respectively.
TRSUB	Trunk register substate code.
SVOGT	State vector, outgoing trunk.
EAS	Equal Access Signaling (EAS).
w2	Raw data for CR outgoing state vector or TR substate code. See COMPOOL encoding of CR4SVOGT and TR4CODE, respectively.
x2	Equal Access Signaling (EAS) state.
DATA LOST	Possible text stating that data has been lost due to the collection of more data than can be buffered for output. At most, 32 messages can be buffered to all monitoring channels. blank — if no message failed to be buffered prior to the current message and the previous successfully buffered message.
y2	Time of call irregularity occurrence.
z2	Exception code encountered while interacting with the SD or Network Control Point (NCP) database.
a3	A 24 bit field of required capability indicators defined as follows: bit 23=Customized Announcement Required bit 22=Digit Collection Required bit 21=Spare bit 20=ASR on SCS Required bit 19=Queue Slots Required bit 18=SET D ASR Required bit 17=ASR on NSCX Required bit 16=ATP Required bit 15=SET S Required bit 14=SET G Required bit 13=SET F Required bit 12=SET E Required bit 11=SET D Required bit 10=SET C Required bit 9=SET B Required bit 8=SET A Required bit 7-0=spare

4. ACTION TO BE TAKEN

None.

5. REFERENCES

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Use pursuant to Company Instructions.

PIDENTs
IOCPOM4
TMAD0002
TMAD0005
TMADTRAP

Practice 234-010-315, *4ESSTM Domestic Call-Irregularity Maintenance Reference Handbook*

Practice 234-103-018, *Trunk Operations Center (TOC) - Call Irregularity Raw Data Trap*

Input Messages
ALW: IAOFC
INH: IAOFC
MON: IAOFC
STOP: MON - IAOFC

ID REPT:IATSG
WORK CENTER.. MOC, TOC
GENERIC 4E24 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

```
REPT:IATSG, TRAPN a, bbb [c]
[defgh [DEL:i, NEXT DIGIT NUM:j, PRE:k] [FINAL ROUTE: l] [IAID: m] ...
nop q r [TOS: s, CID: t, INTL: u ,ITC: v] [w] [TNSI: x, INTL: u] ...
[CAUS: y DATA: z] [TNSI: a1, INTL: u, CID: t, DRTC: b1] ...
[EAANI: c1 OLIDIG: d1] [ISCAUS: e1 LOC: f1] ...
[SAN: g1 MAN: h1 EXDC: i1] [IIDIG: j1|OLIDIG d1] ...
[TRK GRP: k1, NSN: l1
ORIG: m1, SST: n1, DNST: o1, DEST: p1, TC: q1] ...
[RII: r1, TC: q1] s1 t1 u1 v1 w1 x1 y1 z1 a2 [VALKEY: b2 c2 d2 e2]]
[SDSERV: f2]
[SDPC:g2 SSN: h2]
[SPPC:i2 SSN:j2]
[SDRSN: k2]
[PNG: l2]
[CIC: m2]
[LRN: n2]
[SDTT: o2[,SPQRY: p2]]
[PLU CALL]
[LATA:q2]
[CSI:r2]
FHCODE: s2,IFHCODE: t2,u2,{TRCODE|SVICT}: v2,{TRSUB|SVOGT|EAS}: w2x2
[** DATA LOST **]
y2
```

2. REASON FOR OUTPUT

To report an event specified on an MON:IATSG input message trap whose schedule is or has occurred. The data relevant to a call irregularity is displayed.

3. VARIABLE FIELD DEFINITIONS

- | | |
|---|--|
| a | Trap number (1-31) of the trap that caused the output. |
| b | Three characters describing Ineffective Attempt (IA) type. See Practice 234-103-018 for description. |
| c | Final Handling Announcement (FHI) override. See COMPOOL encoding of XL4RD_FHI. |
| d | Incoming Trunk (ICT) identity associated with the trapped event. |
| e | Outgoing Trunk (OGT) identity, if present, associated with the trapped event. |

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Use pursuant to Company Instructions.

- f Service Circuit (SVC), if present, associated with the trapped event.
- g Digits (DIG) present when the event was trapped.
- h Calling Party Digits (CPDIG), if present, when the event was trapped. May be either a billing number or an Automatic Number Identification (ANI).
- i Number of digits that were deleted from the DIG variable.
- j The number of the next digit to be outputted after deleting and prefixing operations have been applied to DIG data.
- k The actual digits to be prefixed prior to outputting, blank if none.

NOTE: Example: If DIG = 6903452, DEL = 3, PRE = 1, and NEXT DIGIT NUM = 4, then digit 5 will be the next digit to be outputted, since it is the fourth digit left after 690 was deleted and the digit 1 was prefixed.

NOTE: Since the 4ESSTM switch gives up to four digits at a time to the Signaling Processor (SP) for Multifrequency (MF) outputting, the TRAP can only indicate what the next group of digits to be given to the SP will be, not what digit the SP will actually cause to be outputted next.

- l Circuit Identification Number (CIN) of trunk subgroup which was the final route hunted in a No Circuit Available (NCA) condition.
- m The internal Public Announcement Service (PAS) frame identity for those call irregularities that are associated with PAS calls, either a customer call to listen to a PAS announcement or a call to create or update a PAS announcement. PAS announcement number.
- n Domain Incoming (DOMI) from Call Register (CR). See COMPOOL encoding of CR4DOMI.
- o Dynamic Non-Hierarchical Routing (DNHR) Incoming Class Mark (DNHRICM). See COMPOOL encoding of CR4CIDNHRI.
- p DNHR Outgoing Class Mark (DNHROCM). See COMPOOL encoding of CR4CODNHRO.
- q Blue Box Digits (BBDIG) collected when event was trapped.
- r Previously Stored Number (PSN).
- s Type Of Service (TOS).
- t Carrier Identification (CID).
- u International (INTL) flag.
- v Incoming Trunk Class (ITC).

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w	Service index number (see COMPOOL encoding of CR4CBC_SERV).
x	Transit network selection index.
y	Q931 cause value.
z	Octal data (16 bits).
a1	Integrated Services Digital Network (ISDN) User Part (ISUP) direct translation. Transit network selection index.
b1	Data rate transport capability (XL4DRTC).
c1	Originating Line Information (OLI) Equal access Automatic Number Identification (ANI) type.
d1	OLI digits.
e1	ISUP cause value.
f1	Location data.
g1	Subaccount number.
h1	Mandatory/optional subaccount number.
i1	Expected digit count.
j1	Equal access Information Digits (IIs).
k1	Real Time Network Routing (RTNR) class of service. Trunk Group (TRK GRP) circuit identification number.
l1	Network Switch Number (NSN).
m1	Class Of Service (COS) Origination (ORIG).
n1	COS Signaling Service Type (SST).
o1	COS Dial Number Service Type (DNST).
p1	COS Destination (DEST).
q1	Transport Capability (TC).
r1	RTNR service routing information.
s1	Service Circuit System (SCS) expanded Final Handling Announcement (FHANN) value.
t1	Byte Length (BLEN) of User To User Information (UUI) / Access Transport (ATP).
u1	Adjunct Logical Address (ALA).
v1	Originating Point Code (OPC).
w1	Invoke (INVK) Identification (ID).
x1	Credit Card Digits (CARD).
y1	Destination Point Code (DPC).

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z1	Subsystem Number (SSN).
a2	Operator (OPER) requested call.
b2	Validation Key (VALKEY) data. Feature identification.
c2	Trigger identification.
d2	Call state.
e2	Call directionality.
f2	Segmentation Directory (SD) service application. Refer to the 4ESS TM <i>Domestic Call-Irregularity Maintenance Reference Handbook</i> .
g2	SD point code.
h2	SD subsystem number.
i2	SD service processor point code.
j2	SD service processor point code subsystem number.
k2	SD reason. Refer to the 4ESS TM <i>Domestic Call-Irregularity Maintenance Reference Handbook</i> .
l2	Ported number gap.
m2	Carrier identification code.
n2	Local routing number.
o2	Segmentation Directory (SD) transition type.
p2	SD service processor query status.
PLU CALL	Positive Look Up (PLU) call.
q2	Local Access Transport Area (LATA) number.
r2	Carrier Selection Information (CSI) number.
s2	Final Handling Code (FHCODE). This is the raw data describing the failure at the level of detail internal to the program. See COMPOOL encoding of FH4FHIDIDEN item.
t2	Input Final Handling Code (IFHCODE). Raw data for the final handling code which was input to TMAD0002 program prior to possible clarification into the more detailed FHCODE variable.
u2	Q931 or ISUP message pointer. COMPOOL encoding is Q94_MESS_TYPE (Q931) and C74 MSGTYPE (ISUP), respectively.
TRCODE	Trunk register code.
SVICT	State vector, incoming trunk.
v2	Raw data for Call Register (CR) incoming state vector or Trunk Register (TR) code. See COMPOOL encoding for CR4SVICT and TR4CODE, respectively.

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Use pursuant to Company Instructions.

TRSUB	Trunk register substate code.
SVOGT	State vector, outgoing trunk.
EAS	Equal Access Signaling (EAS).
w2	Raw data for CR outgoing state vector or TR substate code. See COMPOOL encoding of CR4SVOGT and TR4CODE, respectively.
x2	Equal Access Signaling (EAS) state.
DATA LOST	Possible text stating that data has been lost due to the collection of more data than can be buffered for output. At most, 32 messages can be buffered to all monitoring channels.
	blank — if no message failed to be buffered prior to the current message and the previous successfully buffered message.
y2	Time of call irregularity occurrence.

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
IOCPOM4
TMAD0002
TMAD0005
TMADTRAP

Practice 234-010-315, *4ESSTM Domestic Call-Irregularity Maintenance Reference Handbook*

Practice 234-103-018, *Trunk Operations Center (TOC) - Call Irregularity Raw Data Trap*

Input Messages
ALW: IATSG
INH: IATSG
MON: IATSG
STOP: MON - IATSG

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID REPT:IPCC-ALARMS
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E19 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

REPT:IPCC:ALARMS
GW a REPORTING SIMPLEX b
PRIM-SEC MISMATCH c
GW ROLE CONFLICT d

2. REASON FOR OUTPUT

To relay the current alarm status of the Individual Per Call Control (IPCC) gateways regarding gateway simplex status; primary / secondary gateway mismatch and gateway role conflict, and the gateway reporting the condition.

Simplex indicates that the inter-gateway links are not in service.

Mismatch indicates an error in the switch translations input via Recent Change (RC) form 627, in the case where multiple switches are connected to a gateway. All switches polled are not reporting the same gateway as either primary or secondary.

Role conflict indicates an error in the hardware connection between the gateway and the Special Access Data Channel (SADC) causing both gateways to arrive at the the same role.

NOTE: When a gateway is reporting simplex the REPT:IPCC-ALARMS message will print only once during this trouble and will be major alarmed.

NOTE: When mismatches or role conflicts occur the message will be major alarmed at 15 minute intervals and informational at one minute intervals.

3. VARIABLE FIELD DEFINITIONS

a Gateway:
1 — Primary.
2 — Secondary.

b Gateway status:
N — No.
Y — Yes.

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Use pursuant to Company Instructions.

c Occurrence:

N — No.

Y — Yes.

d Occurrence:

N — No.

Y — Yes.

4. ACTION TO BE TAKEN

Consult the 234-110-082AC *Individual Per-Call Control (i PCC) Gateway - System Description* and 234-151-082AC *Individual Per-Call Control (i PCC) Gateway - Acceptance, Growth, and Trouble Clearing Procedures* practices.

5. REFERENCES

PIDENTs
IPCC

Practice 234-110-082AC, *Individual Per-Call Control (i PCC) Gateway - System Description*
Practice 234-151-082AC, *Individual Per-Call Control (i PCC) Gateway - Acceptance, Growth, and Trouble Clearing Procedures*

Input Messages

OP:PCCGW

RMV:PCCGW

RST:PCCGW

LUCENT TECHNOLOGIES – PROPRIETARY

Use pursuant to Company Instructions.

ID REPT:IPCC-BUFFER
WORK CENTER.. MOC, TEC
GENERIC 4E19 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

REPT:IPCC BUFFER OVERFLOW USEC ORDERS LOST

2. REASON FOR OUTPUT

To report on buffer overflows for Individual Per Call Control (IPCC) orders. Major alarmed.

3. VARIABLE FIELD DEFINITIONS

None.

4. ACTION TO BE TAKEN

No action is required.

5. REFERENCES

PIDENTs
IPCC

Input Messages
OP:PCCGW
RST:PCCGW

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID REPT:IPCC-CRIT
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E20 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

REPT:IPCC GW a CRITICAL FILE CORRUPTION

FILES:
{b|INV}
.
.
.

2. REASON FOR OUTPUT

The output will occur following the Individual Per Call Control (IPCC) gateway audit of critical files. This audit occurs daily at 03:45 am. If any files are corrupted, then a major alarmed message will be sent to the Maintenance (MTC) terminal. The names of all corrupted files will be output. The message will be issued at hourly intervals until the problem has been corrected.

3. VARIABLE FIELD DEFINITIONS

a	Gateway identity: 1 — Primary. 2 — Secondary.
b	Name of corrupted file, from 1 to 10 names of corrupted files may be output.
INV	Prints in place of a file name if the file data received from the gateway is invalid.

4. ACTION TO BE TAKEN

When the message is observed, action is required. The IPCC Gateway "syslog" file should be examined. The following actions should then be taken at the IPCC Gateway:

1. Remove the affected Gateway;
2. Install the Replicas of the critical files in "/var/files/frep";
3. Run the Gateway Critical Files Audit: "/var/files/bin/fsaud";

5. REFERENCES

PIDENTs
IPCC

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

4ESS
4B000-01AC

REPT:IPCC GW a CRITICAL

Practice 234-110-083AC, *Individual Per Call Control (iPCC) Connectivity and Maintenance Guidelines*

Input Message
OP:PCCGW

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

REPT:IPCC-CRIT-2

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ID REPT:IPCC-GATEWAY
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E19 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

REPT:IPCC GATEWAY a PORT b ALARMS
PORT RCV ERRORS c
PORT XMT ERRORS d

2. REASON FOR OUTPUT

To report the current gateway port alarms for Individual Per Call Control (IPCC) for port receiver errors and port transmitter errors.

NOTE: Message will be major alarmed at 15 minute intervals and informational at one minute intervals.

3. VARIABLE FIELD DEFINITIONS

a Gateway:
1 — Primary.
2 — Secondary.

b Port number (0 - 133):
1-119 — Universal Services Echo Canceler (USEC) ports.
120-125 — Spare (unused).
126-129 — Inter-gateway ports.
130-133 — Special Access Data Channel (SADC) ports.

c Number of Receiver (RCV) errors.

d Number of Transmit (XMT) errors.

4. ACTION TO BE TAKEN

Consult the 234-110-082AC *Individual Per-Call Control (i PCC) Gateway - System Description* and 234-151-082AC *Individual Per-Call Control (i PCC) Gateway - Acceptance, Growth, and Trouble Clearing Procedures* practices.

5. REFERENCES

PIDENTs
IPCC

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

Practice 234-110-082AC, *Individual Per-Call Control (i PCC) Gateway - System Description*
Practice 234-151-082AC, *Individual Per-Call Control (i PCC) Gateway - Acceptance, Growth,
and Trouble Clearing Procedures*

Input Messages

OP : PCCGW
RMV : PCCGW
RST : PCCGW

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Use pursuant to Company Instructions.

ID REPT:IPCC-GW
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E19 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

REPT:IPCC GW a REPORTING
SIMPLEX TO DUPLEX TRANSITION

2. REASON FOR OUTPUT

To specify that the Individual Per Call Control (IPCC) gateway has been restored to duplex operation.

3. VARIABLE FIELD DEFINITIONS

a Gateway:
1 — Primary.
2 — Secondary.

4. ACTION TO BE TAKEN

No action is required.

5. REFERENCES

PIDENTs
IPCC

Input Message
OP:PCCGW

Output Message
REPT:IPCC-ALARMS

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID REPT:IPCC-LINK
WORK CENTER.. MOC, TEC
GENERIC 4E19 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

REPT:IPCC LINK RESTORED TO SERVICE NVIDN 99 NVID a,
ADSI 16 LACID b

2. REASON FOR OUTPUT

To report restoral to service of an Link Access Circuit Identifier (LACID) following the abatement of timeouts and / or returned messages. (This message is not alarmed.)

3. VARIABLE FIELD DEFINITIONS

a Feature name associated with the LACID.
b Link access identifier.

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
IPCC

Input Message
OP:PCCGW

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID REPT:IPCC-LINKSTA
WORK CENTER.. MOC, TEC
GENERIC 4E19 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

REPT:IPCC LINK REMOVED FROM SERVICE NVIDN 99 NVID a,
ADSI 16 LACID b [c] [d]

2. REASON FOR OUTPUT

To report Individual Per Call Control (IPCC) returned messages and / or timeout occurrences - resulting in a shift to a Alternate Link Access Circuit Identifier (LACID).

Major alarmed.

3. VARIABLE FIELD DEFINITIONS

a	Feature name associated with the LACID.
b	Link access identifier.
c	Explanatory text: RTND MSG THRESHOLD EXCEEDED
d	Explanatory text: TIMEOUT THRESHOLD EXCEEDED

4. ACTION TO BE TAKEN

No action to be taken

5. REFERENCES

PIDENTs
IPCC

Input Messages
OP:PCCGW
RST:PCCGW

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID REPT:IPCC-MUL-GATE
 WORK CENTER.. MOC, TEC, TOC
 GENERIC 4E19 and later
 APPLICATION .. 4E - Proprietary
 TYPE Output

1. FORMAT

REPT:IPCC MULTIPLE GATEWAY PORT ALARMS								
	USECS						IN-GW	SADC
PORT	125-104	103-080	079-056	055-032	031-008	007-000	3-0	3-0
P-PRC	a	a	a	a	a	a	a	a
S-PRC	b	b	b	b	b	b	b	b
P-PXM	c	c	c	c	c	c	c	c
S-PXM	d	d	d	d	d	d	d	d

2. REASON FOR OUTPUT

To report the current PORT alarm status when more than 6 gateway, Individual Per Call Control (IPCC), ports are experiencing error conditions which are exceeding thresholds.

NOTE: Message will be major alarmed at 15 minute intervals and informational at one minute intervals.

3. VARIABLE FIELD DEFINITIONS

- a Primary port receiver errors.
- b Secondary port receiver errors.
- c Primary port transmit errors.
- d Secondary port transmit errors.

The data is output in an octal bitmap format, where each bit represents an individual PORT. To determine which PORTs are reporting specific error conditions, determine the binary representation of each octal field, based on the PORT header, then determine the specific PORT.

For Example:

PORT 079-056
 S-PXM 00301001

Indicates that PORTs 72,71,65, and 56 are reporting that secondary transmit error thresholds have been exceeded.

4. ACTION TO BE TAKEN

Consult the 234-110-082AC *Individual Per-Call Control (i PCC) Gateway - System Description* and 234-151-082AC *Individual Per-Call Control (i PCC) Gateway - Acceptance, Growth, and Trouble Clearing Procedures* practices.

5. REFERENCES

PIDENTs
IPCC

Practice 234-110-082AC, *Individual Per-Call Control (i PCC) Gateway - System Description*
Practice 234-151-082AC, *Individual Per-Call Control (i PCC) Gateway - Acceptance, Growth, and Trouble Clearing Procedures*

Input Messages
OP:PCCGW
RMV:PCCGW
RST:PCCGW

ID REPT:IPCC-MUL-USEC
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E19 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

REPT:IPCC MULTIPLE USECS ALARM						
USEC	125-104	103-080	079-056	055-032	031-008	007-000
CRC	a	a	a	a	a	a
FRM	b	b	b	b	b	b
BDP	c	c	c	c	c	c
1ER	d	d	d	d	d	d

2. REASON FOR OUTPUT

To report the current Universal Services Echo Canceler (USEC) alarm status when more than 6 USECs are experiencing error conditions which are exceeding thresholds.

3. VARIABLE FIELD DEFINITIONS

- a Cyclic Redundancy Check (CRC) error indicator.
- b Framing and overrun error indicator.
- c Pad packet indicator.
- d Type 1 errored commands indicator.

NOTE: Message may be major alarmed.

The data is output in an octal bitmap format, where each bit represents an individual USEC. To determine which USECs are reporting specific error conditions, determine the binary representation of each octal field, based on the USEC header, then determine the specific USEC.

For Example:

USEC	103-080
CRC	70000010

Indicated that USECs 103,102,101, and 83 are reporting that CRC error thresholds have been exceeded.

4. ACTION TO BE TAKEN

Consult the 234-110-082AC *Individual Per-Call Control (i PCC) Gateway - System Description* and 234-151-082AC *Individual Per-Call Control (i PCC) Gateway - Acceptance, Growth, and Trouble Clearing Procedures* practices.

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Use pursuant to Company Instructions.

5. REFERENCES

PIDENTs
IPCC

Practice 234-110-082AC, *Individual Per-Call Control (i PCC) Gateway - System Description*
Practice 234-151-082AC, *Individual Per-Call Control (i PCC) Gateway - Acceptance, Growth,
and Trouble Clearing Procedures*

Input Messages
OP:PCCGW
RMV:PCCGW
RST:PCCGW

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Use pursuant to Company Instructions.

ID REPT:IPCC-U-MSG-Q
WORK CENTER.. MOC
GENERIC 4E20 Rel. 4 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

REPT:IPCC USEC MESSAGE Q THROTTLING INVOKED
ODA THRESHOLD LEVEL=a NEMOS THRESHOLD LEVEL=b
MAX OCCURRENCES=c
USEC OCCURRENCES

d e
.
.
.

2. REASON FOR OUTPUT

One or more Universal Services Echo Canceler (USEC) Bays are experiencing buffer queue overflow at the Individual Per Call Control (IPCC) Gateway.

This message will be sent to the 1B Maintenance Channel with a spurt minor alarm at no more than one minute intervals while one or more USECs are reporting queue thresholds which have been reached or exceeded.

3. VARIABLE FIELD DEFINITIONS

- | | |
|---|---|
| a | Office Database Assembler (ODA) defined USEC Bay queue threshold value. |
| b | Network Management Operations Support System (NEMOS) override of the USEC Bay queue threshold value. |
| c | Total number of release complete replies from the IPCC Gateway to register messages sent which contain orders for the USECs within the last one minute. |
| d | Identity of the USEC Bay (0-127) which is experiencing queue overflow. |
| e | The number of queue overflow occurrences for this bay during the last one minute. |

4. ACTION TO BE TAKEN

Consult the 234-110-082AC *Individual Per-Call Control (i PCC) Gateway - System Description* and 234-151-082AC *Individual Per-Call Control (i PCC) Gateway - Acceptance, Growth, and Trouble Clearing Procedures* documents.

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

5. REFERENCES

PIDENTs
IPCC

Practice 234-110-082AC, *Individual Per-Call Control (i PCC) Gateway - System Description*
Practice 234-151-082AC, *Individual Per-Call Control (i PCC) Gateway - Acceptance, Growth,
and Trouble Clearing Procedures*

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID REPT:IPCC-USEC
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E19 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

REPT:IPCC USEC a ALARMS
USEC CRC ERRORS b
FRM & OVR ERRORS c
BAD PACKETS d
TYPE 1 ERR CMDS e

2. REASON FOR OUTPUT

To relay the current error status of the specified Universal Services Echo Canceler (USEC); USEC Cyclic Redundancy Check (CRC) errors, framing and overrun errors, bad packets and type 1 errored commands.

NOTE: Message will be major alarmed at 15 minute intervals and informational at one minute intervals.

3. VARIABLE FIELD DEFINITIONS

- a USEC number (0 - 119).
- b Number of USEC CRC errors.
- c Number of framing and overrun errors. (Framing error - received byte with invalid stop bit. Overrun error - new byte received before previous byte is read.)
- d Number of bad packets. (The number of bad packets is determined by the USEC by counting the number of orders to the USEC and the number of heartbeats that did not have the correct number of bytes, did not have all 1's header byte or did not have correct header or bad CRC errors.)
- e Number of type 1 errored commands. (An error can occur when an invalid channel address is received.)

4. ACTION TO BE TAKEN

Consult the 234-110-082AC *Individual Per-Call Control (i PCC) Gateway - System Description* and 234-151-082AC *Individual Per-Call Control (i PCC) Gateway - Acceptance, Growth, and Trouble Clearing Procedures* practices.

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

5. REFERENCES

PIDENTs
IPCC

Practice 234-110-082AC, *Individual Per-Call Control (i PCC) Gateway - System Description*
Practice 234-151-082AC, *Individual Per-Call Control (i PCC) Gateway - Acceptance, Growth,
and Trouble Clearing Procedures*

Input Messages
OP : PCCGW
RMV : PCCGW
RST : PCCGW

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID REPT:IPCC-USEC-QH
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E20 Rel. 4 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

```
REPT:IPCC USEC ALARM ORDER MISMATCH
USEC 125-104 103-080 079-056 055-032 031-008 007-000
QHM      a      a      a      a      a      a
```

2. REASON FOR OUTPUT

To report the current Universal Services Echo Canceler (USEC) alarms status when a mismatch occurs. This mismatch is caused when a Truevoice® USEC receives a QuietHear order.

A major alarm will accompany the printout at 15 minute intervals. Informational priority messages will occur at one minute intervals, until the problem has been corrected.

3. VARIABLE FIELD DEFINITIONS

a Identity of Truevoice® USECs which have received QuietHear orders.

The data is output in an octal bitmap format, where each bit represents an individual USEC. To determine which USECs are reporting, determine the binary representation of each octal field, based on the USEC header, then determine the specific USEC.

For example:

```
USEC 103-080
QHM 70000010
```

Indicates that USECs 103, 102, 101 and 83 are reporting QuietHear mismatches.

4. ACTION TO BE TAKEN

Consult the *Per Call Control Maintenance Guide* to determine the proper actions to be taken.

5. REFERENCES

PIDENTs
IPCC

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

Practice 234-110-083AC, *Individual Per Call Control (iPCC) Connectivity and Maintenance Guidelines*

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID REPT:SD
WORK CENTER.. MAC, MOC
GENERIC 4E24 Rel. 3 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

- [1] REPT:SD PRIMARY ROUND-ROBIN ROUTING TBL ACTIVE
- [2] REPT:SD BACKUP ROUND-ROBIN ROUTING TBL ACTIVE
- [3] REPT:SD DISASTER RECOVERY FEATURE BIT PF61 IS NOT ACTIVE

2. REASON FOR OUTPUT

Format 1 displays the result of the SW:SDP input message request to make Primary Round-Robin Routing Table (PRRT) as the current active Segmentation Directory (SD) round-robin routing table. Or confirms that PRRT is the current active SD round-robin routing table as the result of the SW:SDP input message.

Format 2 displays the result of the SW:SD input message request to make Backup Round-Robin Routing Table (BRRT) as the current active SD round-robin routing table. Or confirms that BRRT is the current active SD round-robin routing table as the result of the SW:SD input message.

Format 1 or 2 will also print if a request is received from Network Management Operations Support System (NEMOS) to switch the SD round-robin routing table. Or if the Direct Link Node (DLN) determines that the SD PRRT is not accessible and the 4ESSTM Switch should use the BRRT.

Format 3 will print if the SD disaster recovery feature is not turned on and a request of switching the SD round-robin routing table is received.

3. VARIABLE FIELD DEFINITIONS

See Reason for Output.

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
SEGDMINT

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

Input Messages
SW: SD
SW: SDP

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID REPT:SDC-ASTN
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E19 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

REPT:SDC:ASTN NI INH

2. REASON FOR OUTPUT

This message will be autonomously output every 15 minutes to the maintenance channel while the Alternate Signaling Transport Network-Network Interconnect (ASTN-NI) capability is inhibited. This message is accompanied by a major alarm.

3. VARIABLE FIELD DEFINITIONS

None.

4. ACTION TO BE TAKEN

None, this is for information only.

5. REFERENCES

PIDENTs
TMADASTN
TMADBUNS

Input Messages
OP:BUNSTAT
SET:BUNSTAT

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID REPT:SDC-BUNSFLNK
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E19 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

REPT:SDC:BUNSFLINK {NSN a|ALL},{N|M} b [*]

2. REASON FOR OUTPUT

This message will be autonomously output to the maintenance channel whenever an Alternate Signaling Transport Network (ASTN) F-Link is inhibited or allowed; whenever all ASTN F-Links are inhibited or allowed. This message occurs once, immediately following the manual or Network Management Operations Support System (NEMOS) inhibit or allow.

When an inhibit is reported, the message is accompanied by a major alarm.

3. VARIABLE FIELD DEFINITIONS

a	Network switch number (1-176)
N	Action is performed via NEMOS controls.
M	Action is performed under manual controls via a SET:BUNSTAT input message.
b	State of message: ALW — Allow. INH — Inhibit.
*	The layer is a 56kbps layer, blank if the layer is a 4.8 kbps layer.

4. ACTION TO BE TAKEN

None, this is for information only.

5. REFERENCES

PIDENTs
TMADASTN
TMADBUNS

Input Messages
OP:BUNSTAT
SET:BUNSTAT

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID REPT:SDC-IPCC
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E19 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

REPT:SDC IPCC a

2. REASON FOR OUTPUT

To report that the Individual Per Call Control (IPCC) gateway is duplex failed and service degraded or has been restored from a duplex failure.

NOTE: Message will be major alarmed when DPLX FAILED condition occurs.

3. VARIABLE FIELD DEFINITIONS

a Explanatory text:
DPLX FAILED — Gateway is duplex failed.
RESTORED — Gateway is no longer duplex failed.

4. ACTION TO BE TAKEN

Consult the 234-110-082AC *Individual Per-Call Control (i PCC) Gateway - System Description* and 234-151-082AC *Individual Per-Call Control (i PCC) Gateway - Acceptance, Growth, and Trouble Clearing Procedures* practices.

5. REFERENCES

PIDENTs
IPCC

Practice 234-110-082AC, *Individual Per-Call Control (i PCC) Gateway - System Description*
Practice 234-151-082AC, *Individual Per-Call Control (i PCC) Gateway - Acceptance, Growth, and Trouble Clearing Procedures*

Input Messages

OP:PCCGW
OP:SDC
RST:PCCGW

Output Messages

REPT:IPCC-GW
REPT:IPCC-ALARMS

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID RMV:PCCGW
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E19 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

RMV:PCCGW a
b
[c] [d]

2. REASON FOR OUTPUT

To display the status of the gateway removal request and the reason for rejection.

3. VARIABLE FIELD DEFINITIONS

- a Gateway:
- 1 — Primary.
 - 2 — Secondary.
- b Explanatory text:
- COMPLETED
- LINKS TO VENDOR DOWN — Special Access Data Channel (SADC)
links down.
- REQUEST REJECTED BY GATEWAY
- REQUEST REJECTED BY SWITCH
- TIMEOUT WAITING FOR GATEWAY REPLY
- TRANSLATION ERROR — Check the VER:ADSLINK output message
with an ADSI keyword of 16 for translation
accuracy.
- c Four bit bitmap indicating which switch in the complex rejected the
request. If 0 then it was rejected by the gateway.
- BITMAP
-
- xxxx
- 4321 SWITCH NUMBER

Obtain the switch identity via the OP:PCCGW input message.

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Use pursuant to Company Instructions.

- d Reason for failure:
- 0 Rejected by gateway due to switch links out of service.
 - 2 Invalid gateway requested (not primary or secondary) or not the master 4E switch requesting the removal.
 - 3 Remove in progress.
 - 4 Waiting for other gateway to reply.
 - 5 Other gateway has been removed.
 - 6 Conditional remove with Universal Services Echo Canceler (USEC) links Out Of Service (OOS).
 - 7 Denied by switch.

4. ACTION TO BE TAKEN

Consult the 234-110-082AC *Individual Per-Call Control (i PCC) Gateway - System Description* and 234-151-082AC *Individual Per-Call Control (i PCC) Gateway - Acceptance, Growth, and Trouble Clearing Procedures* practices.

5. REFERENCES

PIDENTs
IPCC

Practice 234-110-082AC, *Individual Per-Call Control (i PCC) Gateway - System Description*
Practice 234-151-082AC, *Individual Per-Call Control (i PCC) Gateway - Acceptance, Growth, and Trouble Clearing Procedures*

Input Messages

OP:PCCGW
RMV:PCCGW
RST:PCCGW

Output Messages

OP:PCCGW
RST:PCCGW
VER:ADSLINK

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Use pursuant to Company Instructions.

ID RST:PCCGW
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E19 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

RST:PCCGW a
b
[c]

2. REASON FOR OUTPUT

To display the status of the gateway restoral request.

3. VARIABLE FIELD DEFINITIONS

- a Gateway:
- 1 — Primary.
 - 2 — Secondary.
- b Explanatory text:
- COMPLETED
- LINKS TO VENDOR DOWN — Special Access Data Channel (SADC)
links down.
- REQUEST REJECTED BY GATEWAY
- TIMEOUT WAITING FOR GATEWAY REPLY
- TRANSLATION ERROR — Check the VER:ADSLINK output message
with an ADSI keyword of 16 for translation
accuracy.
- c Reason for failure:
- 2 Invalid gateway requested (not primary or
secondary) or not the master 4E switch requesting
the restoral.
 - 3 Remove in progress.
 - 4 Waiting for other gateway to reply.

4. ACTION TO BE TAKEN

Consult the 234-110-082AC *Individual Per-Call Control (i PCC) Gateway - System Description*
and 234-151-082AC *Individual Per-Call Control (i PCC) Gateway - Acceptance, Growth, and
Trouble Clearing Procedures* practices.

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

5. REFERENCES

PIDENTs
IPCC

Practice 234-110-082AC, *Individual Per-Call Control (i PCC) Gateway - System Description*
Practice 234-151-082AC, *Individual Per-Call Control (i PCC) Gateway - Acceptance, Growth,
and Trouble Clearing Procedures*

Input Messages
OP:PCCGW
RMV:PCCGW
RST:PCCGW

Output Messages
OP:PCCGW
RMV:PCCGW
VER:ADSLINK

ID TEST:NRNDB
WORK CENTER.. MAC, MOC, NMOC, TOC
GENERIC 4E27 Rel. 2 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

TEST:NRNDB:SII a,DNBR b,DIGTYP c(,DIGITS d|,NPA e)[,OFAI f]...
...[,TFAI g][,CSR h][,RATE i][,L p]!

[FINAL ROUTE RECEIVED
FINAL HANDLING TREATMENT j]
[NO FINAL ROUTE RECEIVED - MORE ROUTING INFORMATION TO COME]
[NRN TIMEOUT]
[EXCEPTION CODE k]
[NRNDB PROTOCOL ERROR - NO OPERATIONS]
[RECEIVED UDS MESSAGE OR QUERY RETURNED]
[MISSING MANDATORY PARAMETER IN THE ROUTE CONSTRUCTOR PARAMETER]
[MISSING MANDATORY FRI PARAMETER]
[INVALID RETURN ERROR REQUEST - NOT A DISCONNECT OR CONNECT REQUEST]
[DETECTED A MESSAGE THAT WAS NEITHER A CONTINUE NOR AN END]
[RECEIVED DISCONNECT REQUEST - CALL HANDLING DID NOT INDICATE NO ROUTE]
[RECEIVED DISCONNECT REQUEST - NM CONTROLLED OR NOT ALLOWED NOT INDICATED]
[RECEIVED DISCONNECT REQUEST - NO CALL HANDLING PARAMETER RECEIVED]
[MISSING STANDARD ANNOUNCEMENT PARAMETER AND OR DISCONNECT OPERATION]
[INVALID CALLER INTERACTION OPERATION]
[INVALID NETWORK MANAGEMENT OPERATION]
[RECEIVED REJECT FROM NRNDB]
[RECEIVED PABORT FROM NRNDB]
[RECEIVED UABORT FROM NRNDB]
[RECEIVED RETURN ERROR FROM NRNDB]
[RECEIVED DUPLEX CC MESSAGE FROM NRNDB]
[RECEIVED DUPLEX NM-ACG MESSAGE FROM NRNDB]
[INVALID INVOKE COMPONENT OPERATIONS FROM NRNDB]
[INVALID CONNECTION CONTROL CONNECT OPERATION]
[INVALID DIGIT TYPE FROM NRNDB]
[INVALID ERROR CODE FROM NRNDB]
[FAILED TO SEND MESSAGE DUE TO STREAM DOWN]
[FAILED TO SEND MESSAGE DUE TO BUFFER OVERFLOW CONDITION]
[MISSING ROUTING RECORD - NO CIRCUITS AVAILABLE]
[UNRECOGNIZED COMPONENT IN THE NRNDB MESSAGE]
[INVALID CONNECTION CONTROL CONNECT PARAMETER]
[CUSTOMIZED ANNOUNCEMENT RECEIVED u]
[INVALID ANNOUNCEMENT SET]
[INVALID NUMBER OF ANNOUNCEMENTS]
[INVALID CONNECTION CONTROL DISCONNECT PARAMETER]
[INVALID CALLER INTERACTION PLAY ANNOUNCEMENT PARAMETER]

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Use pursuant to Company Instructions.

[INVALID NETWORK MANAGEMENT ACG PARAMETER]
[INVALID NETWORK MANAGEMENT DIGITS PARAMETER]
[INVALID MESSAGE TYPE RECEIVED]
[DETECTED AN INVALID END MESSAGE]
[CONNECTION CONTROL - DISCONNECT]
[CONNECTION CONTROL - CONNECT]
[CALLER INTERACTION - PLAY ANNOUNCEMENT - VACANT CODE]
[CALLER INTERACTION - PLAY ANNOUNCEMENT - NO CIRCUITS AVAILABLE]
[CALLER INTERACTION - PLAY ANNOUNCEMENT]
[MISSING ROUTING RECORD]
[RECEIVED ACG]
[CALL HANDLING - NOT ALLOWED]
[CALL HANDLING - NM CONTROLLED]

[FAI NSN ERI ESI CSR OI DEL PRE ECOS_AI

l, m, n, o, h, q, r, s, t
•
•
•]

2. REASON FOR OUTPUT

This output message is in response to a TEST:NRNDB input message. The output from this test query will indicate whether the query was successful or not. If the query is successful, the output will show what operations were requested by the customer and the routing information received from the Network Routing and Numbering Database (NRNDB). If the query is not successful, the output will output a reason form failure or an exception code.

3. VARIABLE FIELD DEFINITIONS

- | | |
|---|--|
| a | Service Identity Index (SII) (0-255). |
| b | Routing digits (1-15 digits). |
| c | Type of routing digits:
APN — Action Point Numbering Plan.
INTL— International.
NANP — North American Numbering Plan. |
| d | Country code (1-3 digits). This parameter identifies the country of origin of an inbound call. |
| e | Far-end Numbering Plan Area (NPA) (3 digits). |
| f | Origination Foreign Administration Identity (FAI) (1-31). Identifier of the foreign administration that routed the call to the AT&T network. |
| g | Termination FAI (1-31). Identifier of the foreign administration to which the call is to be routed. |

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Use pursuant to Company Instructions.

h	Carrier Specific Routing (CSR) preference: 0 — CSR not required. 1 — CSR preferred. 2 — CSR mandatory.
i	Used to specify a data rate for Direct Services Dialing (DSD) calls: 0 — Non data (voice call). 1 — 1.536 Megabits Per Second (MBPS) clear. 2 — 1.536 MBPS restricted. 3 — 384 Kilobits Per Second (KBPS) clear. 4 — 384 KBPS restricted 5 — 64 KBPS clear. 6 — 56 KBPS. 7 — 64 KBPS restricted.
j	Final Handling Treatment (FHT) code.
k	Exception code. A number that defines the error (1-255).
l	Foreign Administration Identification (FAI).
m	Network Switch Number (NSN).
n	Egress Route Indicator (ERI)
o	Egress Switch Indicator (ESI)
p	Operator Language Digit 1 — French Speaking Operator 2 — English Speaking Operator 3 — German Speaking Operator 4 — Russian Speaking Operator 5 — Spanish Speaking Operator 6-9 — Reserved
q	Operator Indicator 0 — Call does not go to an operator 1 — Call goes to an operator
r	Delete Rule. Number of digits to delete between (0-15).
s	Prefix Digits (0-6 digits).
t	ECOS AREA INDEX (0-1023).

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Use pursuant to Company Instructions.

u ANNOUNCEMENT ID (0-65535)

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
TCAPTEST

Input Message
TEST : NRNDB

ID TEST:SD
WORK CENTER.. MAC, MOC
GENERIC 4E25 Rel. 3 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

- [1] TEST:SD:DIG a
[b][EXCEPTION CODE c]
[FINAL HANDLING CODE d]
[e]
[SERVICE IND: f]
[REASON CODE: g]
[ANI FEAT INDS: h]
[PC INDEX: i]
[SD POINT CODE: j]
[SD SSN: k]
[SP POINT CODE: l]
[SP SSN: m]
[ALT SP POINT CODE: n
ALT SP SSN : o]
[SD PROVISIONED TIMER: p X 100 MSECs
SD QUERY TEST TIMER: p X 100 MSECs
ELAPSED TIME: q SECONDS]
[BACKUP ROUTING TABLE IS EMPTY]
[NM SKIP CONTROL IS ACTIVE ON SINGLE ROUTING TABLE ENTRY]
[PRIMARY ROUTING TABLE IS EMPTY]
- [2] TEST:SD:DIG a , SP RESPONSE
[SP POINT CODE: l]
[SP SSN: m]
[SP PROVISIONED TIMER: p X 100 MSECs
SP QUERY TEST TIMER: p X 100 MSECs]

[ROUTING DIGITS r]
[OVERFLOW ROUTING DIGITS s]
[DOMAIN t]
[NCP QUERY AND 1+DL BLOCKING INDICATIONS RECEIVED]
[NCP QUERY INDICATION RECEIVED]
[1+DL BLOCKING INDICATION RECEIVED]
[SUPPLEMENTAL ROUTING INFO u v w x y z]
[FAI DIGIT a1]
[CARRIER SPECIFIC ROUTING {MANDATORY|PREFERRED}]
[PRIMARY LTD-ROUTE {TOLL|LOCAL} RECORD {TOLL|LOCAL}]
[ALTERNATE LTD-ROUTE {TOLL|LOCAL} RECORD {TOLL|LOCAL}]
[CUSTOMIZED ANNOUNCEMENT RECEIVED]

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Use pursuant to Company Instructions.

[USDS DENY RESPONSE:
 DENY REASON: {2CCP DENY CALL - SDF | INVALID}]
[USDS PROCEED RESPONSE:]
[USDS INSTRUCTIONS:
 SWITCH CAPABILITY:
 {PROCEED|
 [ROUTE TO ALA]
 [QUERY NAI]
 [APPLY 1 +DL]
 [INVOKE ATP]
 [APPLY TRUEVOICE PCC]
 [APPLY TNR]
 [APPLY TRUEVOICE AVOIDANCE ROUTING]
 [APPLY QUIETHEAR BLOCKING}]
 [BILLABLE ESP:{[9][8][7][6][5][4][3][2][1][0] |
 NO BILLABLE ESP}]
 [REDIRECTION FEATURE ID: b1]
 [TIMEOUT SECONDS: c1]
 [NRN DIGITS: d1]
 [CUSTOMIZED ANNOUNCEMENT ID: e1]
 [ALA: f1]
[SPSI: g1]
[SWCAP: h1]
[CIC i1]
[LATA j1]
[SELECTED CIC PRESUBSCRIBED AND NO INPUT BY CALLING PARTY]
[SELECTED CIC PRESUBSCRIBED AND INPUT BY CALLING PARTY]
[SELECTED CIC PRESUBSCRIBED AND NO INDICATION OF INPUT BY ...
... CALLING PARTY]
[SELECTED CIC NOT PRESUBSCRIBED AND INPUT BY CALLING PARTY]
[PRIMARY PREFERRED CARRIER OF CHARGED PARTY]
[ALTERNATE PREFERRED CARRIER OF CHARGED PARTY]
[VERBAL INSTRUCTIONS FROM THE CALLING PARTY]
[VERBAL INSTRUCTIONS FROM THE CHARGED PARTY]
[EMERGENCY CALL HANDLING]
[CARRIER SELECTION INDICATOR RESERVED]
[SECONDARY SUPPLEMENTAL ROUTING INFO]
[SECONDARY CS ROUTING MANDATORY]
[SECONDARY CS ROUTING PREFERRED]
[SECONDARY FAI DIGITS]
[SECONDARY DOMAIN]
[SECONDARY SPSI: g1]
[MR II: NO MATCH]
[MR II: DN MATCH ONLY]
[MR II: ANI MATCH ONLY]

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[3] SD TEST QUERY OUTGOING MESSAGE

k1 k1 k1 k1 k1 k1 k1 k1

.
.
.

[4] SD RESPONSE INCOMING MESSAGE

l1 l1 l1 l1 l1 l1 l1 l1

.
.
.

2. REASON FOR OUTPUT

The output is in response to the TEST:SD input message. This message displays the test data associated with the Segmentation Directory (SD).

The following measurements are pegged for SD test query: SD_QUERY_1B for 1B generated SD test queries and SDR_SMO_GOOD_TID for SD response received by 4E for Segmentation Directory Mode Of Operation (SMO) call for "WAIT" or "PROCEED".

3. VARIABLE FIELD DEFINITIONS

- a Called party number. A North American Numbering Plan (NANP) 1-15 digit number or 011 + International 5-15 digit number.
- b Failure status:
TIMEOUT
CONNECTION CONTROL - DISCONNECT
- c A number from 0-255 that defines the error.
- d Final handling code number.
- e Additional information:
CUSTOMIZED ANNOUNCEMENT RECEIVED
PROVIDE INSTRUCTIONS - PROCEED
PROVIDE INSTRUCTIONS - QUERY SP
PROVIDE INSTRUCTIONS - WAIT FOR INSTRUCTIONS
RECEIVED CHECK APPLICATION STATUS
RECEIVED REFRESH
RECEIVED REQUEST TO PERFORM AN ASSIST

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Use pursuant to Company Instructions.

f

Service indicator received from the SD:

- 1 — Positive Call Processing (PCP)
- 2 — Software Defined Network (SDN)
- 3 — Switched Digital Services (SDS)
- 4 — Network Implementation Services (NIS) general
- 5 — Consumer Services Business Service Management System (CSMS) general
- 6 — Spare 1
- 7 — Spare 2
- 8 — Spare 3
- 9 — Spare 4
- 10 — Spare 5
- 11 — Spare 6
- 12 — Spare 7
- 13 — Spare 8
- 14 — Spare 9
- 15 — Spare 10

g

Reason code received from the SD:

- 1 — SP query blocked: SP Automatic Call Gap (ACG) - application overload control.
- 2 — SP query blocked: SP ACG - manual control.
- 3 — SP query blocked: SP subsystem prohibited.
- 4 — Spare
- 5 — Spare
- 6 — SP query blocked: SD application processing problem.
- 7 — SP query blocked: SP out of range.
- 8 — SP query blocked: SP skip control in the SD.
- 9 — SP query blocked: SP not provisioned.

h

Automatic Number Identification (ANI) feature indicator. A set of indicators was received from the SD indicating the type of processing to be provided on the call:

- 1+DLB:0 — 1 + Directory Link (1+DL) blocking not applied
- 1+DLB:1 — 1+DL blocking applied

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Use pursuant to Company Instructions.

	CPPAB:0 — Calling Party Pays Airtime (CPPA) blocking not applied
	CPPAB:1 — CPPA blocking applied
	QHB:0 — QuietHear blocking not applied
	QHB:1 — QuietHear blocking applied
	TVAR:0 — TrueVoice® avoidance routing not applied
	TVAR:1 — TrueVoice® avoidance routing applied
	TVPCC:0 — ANI TrueVoice® Individual Per Call Control (iPCC) not applied
	TVPCC:1 — ANI TrueVoice® iPCC applied
i	Point Code (PC) index of the SD used for the query.
j	SD point code number.
k	SD Subsystem Number (SSN) number.
l	Service Processor (SP) point code number.
m	Service Processor (SP) Subsystem Number (SSN) number.
n	Alternate SP point code received from the SD.
o	Alternate SP subsystem number received from the SD.
p	Time in milliseconds.
q	Time in seconds.
r	Digits returned from the Network Control Point (NCP) to route this call.
s	Alternate routing digits (e.g. SDN Off-Net overflow).
t	The routing domain associated with the digits.
u	Supplemental Routing Information (SRI) service ID: 0 — Unassigned. 1 — Switched Digital International (SDI) Carrier Specific Routing (CSR). 2 — SDI outbound. 3 — FTS 2000. 4 — SDN Digital Radio Avoidance Routing (DRAR). 5 — SDS. 6 — CDS. 7 — GVNS.

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Use pursuant to Company Instructions.

- v Private network call:
0 — No
1 — Yes
- w On-Net call:
0 — No
1 — Yes
- x Global Software Defined Network (GSDN):
0 — No
1 — Yes
- y Off-Net privilege:
0 — No
1 — Yes
- z Satellite avoidance:
0 — No
1 — Yes
- a1 Foreign administration Identification (ID) digit.
- b1 Redirection feature ID in decimal.
- c1 Ring no answer timer value in seconds.
- d1 Network Routing Number (NRN) digits.
- e1 Customized announcement ID in decimal.
- f1 Adjunct Logical Address (ALA) in decimal.
- g1 Service Processor Service Identity (SPSI) received from the SP:
1 — Software Defined Network (SDN)
2 — Positive Call Processing (PCP)
3 — Universal Subscriber Data Structure (USDS)
4 — Switched Digital Services (SDS)
5 — Carrier Solutions (CARSON)
6 — Government Emergency Telecommunications Service (GETS)
7 — Terminating Switch Access Arrangement (TSAA)

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Use pursuant to Company Instructions.

h1	A set of switch capabilities was requested by the SP in the SP response message values: 1+DLB:0 — 1+DL blocking not applied 1+DLB:1 — 1+DL blocking applied QHB:0 — QuietHear blocking not applied QHB:1 — QuietHear blocking applied QNAI:0 — Network Access Interruption (NAI) query blocking not applied QNAI:1 — NAI query blocking applied TVAR:0 — TrueVoice® avoidance routing not applied TVAR:1 — TrueVoice® avoidance routing applied TVPCC:0 — ANI TrueVoice® iPCC not applied TVPCC:1 — ANI TrueVoice® iPCC applied
i1	Carrier ID code.
j1	Local area transport digits.
k1	Raw dump of Transaction Capability Application Part (TCAP) message sent to SD/SP.
l1	Raw dump of incoming message from SD/SP.

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
SDIRRMIT
TCAPLIB
TCAPTEST
TESTSEGD

Input Message
TEST:SD

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID TEST:TCAPDSD
WORK CENTER.. MAC, MOC, NMOC, TOC
GENERIC 4E24 Rel. 3 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

- [1] TEST:TCAPDSD;QRYTYPE a:DIG b,ANI c [,APN][,AUTHCODE d]...
...[,RATE e][,SGD f][,CID g][,LIST][,CD]
{h|i}
- [2] TEST:TCAPDSD;QRYTYPE a:DIG b ,ANI c [,APN][,RATE e]...
...[,LIST][,CD]
{h|i}
- [3] TEST:TCAPDSD;QRYTYPE a:{ANI c |ANI c, APN} [,SD] [,CAR j]
{h|i}
- [4] TEST:TCAPDSD;QRYTYPE 5:DIG b,ANI c [,RATE e] ...
...[,IIDIGITS k|,OLI l|,CID g|,OLI l,CID g]
m
- [5] TEST:TCAPDSD;QRYTYPE 8:DIG b,ANI c [,IIDIGITS k|,OLI l]...
...[,TYP n,][,RATE e][,LIST][INSEPR o]
p:[q]
USDS SPC: r USDS SSN: s
[DENY REASON: {INVALID |2CCP DENY CALL - SDF}]
[ACG REQUEST]
[USDS TEST QUERY CONTINUING]
[SWITCH CAPABILITY:
PROCEED [APPLY TRUE VOICE PCC]
[APPLY 1+DL]
[QUERY NAI]
[ROUTE TO ALA]
[ALA: VALUE]
- [6] TEST:TCAPDSD;QRYTYPE 11:DIG b,RATE 1!
- [7] TEST:TCAPDSD;QRYTYPE 11:DIG b,ANI c,RATE 2!
- [8] TEST:TCAPDSD;QRYTYPE 11:DIG b,ANI c,RATE 3!
- [9] TEST:TCAPDSD;QRYTYPE 1:DIG b,ANI c[,APN][,AUTHCODE d]...
...[,RATE e][,SGD f][,LANI t][,LIST]!

SEE PROPRIETARY NOTICE ON COVER PAGE

- [10] TEST:TCAPDSD;QRYTYPE 10:DIG b,ANI c[,APN][,AUTHCODE d]...
...[,RATE e][,SGD f][,LANI t][,CID g][,LIST]!
- [11] TEST:TCAPDSD;QRYTYPE 5:DIG b,ANI c[,RATE e]...
...[,IIDIGITS k|,OLI l|,CID g|,OLI l,CID g][,CAR u]!
- [12] TEST:TCAPDSD;QRYTYPE 13:DIG b,LANI t[,RATE e]!
- [13] TEST:TCAPDSD;QRYTYPE a:DIG b,ANI c[,APN][,AUTHCODE d]...
...[,RATE e][,SGD f][,LANI t][,LIST][,CD]

{h|i}
[RID: v]
[RID1: v]
[RID2: v]
- [14] TEST:TCAPDSD;QRYTYPE 3:DIG b,ANI c[,APN][,RATE e][,LIST]

{h|i}

ANT INFORMATION
RTG DIGITS: w
DOMAIN: x
SIC: y
FAI: z
CSR: a1
- [15] TEST:TCAPDSD;QRYTYPE 14:DIG b,ANI c[,LIST]

{h|i}
OLI:l
SID:b1
- [16] TEST:TCAPDSD;QRYTYPE 3:DIG b[,ANI c][,LIST]
{h|i}
FAI:c1
[COUNTRY CODE:d1]

2. REASON FOR OUTPUT

This output message is in response to the TEST:TCAPDSD input message.

Format 1-3 is in response to either a dialed number-based query or an Automatic Number Identification (ANI) - based test query request. The output from this test query will indicate whether the query was successful or not. If the query is successful, the output will show what operations were requested by the customer record at the NCP database along with the routing digits and domain value. If the query is not successful, the output will indicate the final handling code and reason for failure.

Format [4] is in response to a Network Access Interruption (NAI) test query request.

SEE PROPRIETARY NOTICE ON COVER PAGE

Format [5] is in response to a Universal Subscriber Data Structure (USDS) test query request.

Format [6] is in response to a destination-only query to the Local Number Portability (LNP) database.

Format [7] is in response to a an ANI-only query to the LNP database.

Format [8] is in response to both a destination and ANI query to the LNP database.

Format [9] is in response to an ANI based query.

Format [10] is in response to an ANI based query.

Format [11] is in response to an NAI based query.

Format [12] is in response to a Local Nodal 8YY screening test query.

Format [13] is in response to a test query containing the RID, RID1, and/or RID2 keywords.

Format [14] is in response to the presence of an Alternate Number Translations (ANT) record for a specific test query.

Format [15] is in response to an End Office Local Nodal (EOLN) digital link phase IV test query.

Format [16] is in response to a test query containing the DIGITS and II keywords.

3. VARIABLE FIELD DEFINITIONS

- a The type of query sent:
- 1 — ANI-based query
 - 2 — Non Call Associated Temporary Signaling Connection (NCAT) ANI-based query
 - 3 — Dialed number-based query
 - 4 — NCAT dialed number-based query
 - 5 — NAI query
 - 6 — Universal Global Title Translation (UGTT) query
 - 7 — NCAT UGTT query
 - 8 — Universal Subscriber Data Structure (USDS) query
 - 9 — EasyReach® query
 - 10 — Positive Call Processing (PCP) query.
 - 11 — Local Number Portability (LNP).

SEE PROPRIETARY NOTICE ON COVER PAGE

- 12 — Universal International Freephone Number (UIFN) query.
- 13 — Local Nodal 8YY screening query.
- b Customer specific digits that are required for the particular type of Direct Services Dialing (DSD) call. This is a 10 digit number for dialed number based services. For ANI-based services, this may be a 7 or 10 digit number or an international number with 011 as the leading 3 digits. An international number may also be specified for USDS. 11 digits may be specified for Universal International Freephone Number (UIFN) calls.
- c A required parameter for the ANI-based queries. This should be the customer's 10-digit automatic number identification.
- APN If this keyword was used in the input message to define the ANI parameter, then the ANI must be an Action Point Numbering Plan (APN) ANI.
- If this keyword was not used in the input message to define the ANI parameter, then the ANI must be a North American Numbering Plan (NANP) ANI.
- d A customer's authorization code number. An optional parameter with a maximum of 12 digits. For EasyReach® query type this is the echo data that should be sent in the requery to the Quantum Routing Data System (QRDS). This can be a maximum of 10 bytes (20 digits).
- e An optional parameter used to specify a data rate for a DSD call. Not valid for LNP queries.
- 0 — Non data (voice call)
 - 1 — 1.536 Megabits Per Second (MBPS) clear
 - 2 — 1.536 MBPS restricted
 - 3 — 384 Kilobits Per Second (KBPS) clear
 - 4 — 384 KBPS restricted
 - 5 — 64 KBPS clear
 - 6 — 56 KBPS
 - 7 — 64 KBPS restricted
- f An optional parameter for ANI-based queries. It is the station group designator number. The value specified as input depends on the individual customer.
- g Carrier selection information:
- 1 — Presubscribed, no input.
 - 2 — Presubscribed, input.
 - 3 — Presubscribed, input or not.

SEE PROPRIETARY NOTICE ON COVER PAGE

- 4 — Not presubscribed, input.
- 5 — Primary preferred carrier of charged party. (Not Implemented)
- 6 — Alternate preferred carrier of charged party. (Not Implemented)
- 7 — Verbal instructions from the calling party. (Not Implemented)
- 16 — Verbal instructions from the calling charged. (Not Implemented)
- 17 — Emergency call handling. (Not Implemented)

LIST

If this keyword was used in the input message, the dump of the message received from the Network Control Point (NCP) database is printed.

h

The following text phrases may appear when the query succeeds:

A800 SUPPLEMENTAL ORIG INFO — Number of transactions.

ALTERNATE PREFERRED CARRIER OF CHARGED PARTY

ANI — ANI digits from NCP.

BLOCKED PAYPHONE INDICATION RECEIVED

CAR — Carrier Identification Code.

CARRIER SELECTION INDICATOR RESERVED

CIC — Carrier ID code digits.

CUSTOMIZED ANNOUNCEMENT RECEIVED — One or more customized announcements have been received.

DOMAIN — The routing domain associated with the digits.

EMERGENCY CALL HANDLING

FAI DIGIT — The digit returned from the NCP to determine the foreign administration identification for the carrier.

LATA — Local area transport digits.

PRIMARY PREFERRED CARRIER OF CHARGED PARTY

RATE — Data rate for this call.

RECEIVED ACG

RECEIVED CALL TAG

RECEIVED CHECK APPLICATION STATUS

RECEIVED REFRESH

RECEIVED REQUEST TO CANCEL ANNOUNCEMENT

RECEIVED REQUEST TO PERFORM AN ASSIST

RECEIVED REQUEST TO PERFORM NCP TRANSFER

SEE PROPRIETARY NOTICE ON COVER PAGE

RECEIVED REQUEST TO QUEUE CALL

RECEIVED SEND TERMINATION

RESELL NON-FEATURED CALL

ROUTING DIGITS — The digits returned from the NCP to route this call.

SECONDARY CS ROUTING MANDATORY — Secondary carrier selection information.

SECONDARY CS ROUTING PREFERRED — Secondary carrier selection information.

SECONDARY DOMAIN — The secondary domain digits.

SECONDARY FAI DIGITS — The secondary foreign administration ID.

SECONDARY SUPPLEMENTAL ROUTING INFO — The secondary supplemental routing digits.

SELECTED CIC NOT PRESUBSCRIBED AND INPUT BY CALLING PARTY

SELECTED CIC PRESUBSCRIBED AND INPUT BY CALLING PARTY

SELECTED CIC PRESUBSCRIBED AND NO INDICATION OF INPUT BY CALLING PARTY

SELECTED CIC PRESUBSCRIBED AND NO INPUT BY CALLING PARTY

SGD — Semi Global Data (SGD) digit for this call.

STANDARD ANNOUNCEMENT RECEIVED

SUPPLEMENTAL ROUTING INFO — The supplemental routing information specifies the service.

VALID CUSTOMER ID: 888-000-1234 — UGTT query.

PRIMARY SPC: 254 31 6 3

PRIMARY SSN: 252

SECONDARY SPC: 254 31 6 3

SECONDARY SSN: 252

VERBAL INSTRUCTIONS FROM THE CALLING PARTY

VERBAL INSTRUCTIONS FROM THE CHARGED PARTY

i

The following text phrases may appear when the query fails.

EXCEPTION CODE — A number from 0-255 that defines the error.

FAILURE

FINAL HANDLING CODE

PROTOCOL ERROR

RECEIVED P-ABORT

SEE PROPRIETARY NOTICE ON COVER PAGE

	RECEIVED U-ABORT TIMEOUT
SD	Only valid with a UGTT query. If present then the secondary UGTT database will be queried. Default is to query the primary database.
j	Caller Identification Code (CIC).
k	Information digits, also called the originating station type. Identifies characteristics of the calling station (0-99).
l	Originating line identity, also called the originating station type (0-99).
m	The output from the test query when successful: ALLOW CALL COMPLETED-SUCCESS ELAPSED TIME ## SECONDS
n	Access type: 1 — Switched access
o	Input Service Provider (INSEPR) message Identification (ID) (1-9).
p	Result of the query: USDS DENY RESPONSE USDS PROCEED RESPONSE USDS WAIT FOR INSTRUCTIONS RESPONSE USDS INSTRUCTIONS USDS EXCEPTION
q	Exception which was encountered while processing the USDS test query: 1 — 4ESS TM switch in overload no USDS query possible. 2 — Not possible to send USDS query due to stream down. 3 — Not possible to send USDS query due to CNI buffer overflow. 4 — NOC initiated control on USDS point code caused query to USDS to not be sent, both point codes attempted. 5 — Database initiated control on USDS point code caused USDS query to not be sent. 6 — Query not sent to USDS due to point code or SSN out of service. 7 — Query not sent to USDS due to fact that both point codes/SSNS not populated in ODA. 8 — First query was sent to the USDS and a DF1 timeout occurred,

SEE PROPRIETARY NOTICE ON COVER PAGE

other PC attempted but Out Of Service (OOS).

- 9 — First query was sent to the USDS and DF1 timeout occurred, other PC attempted but not present in ODA.
- 10 — Timed out while waiting for a response from the first USDS, second query will be attempted.
- 11 — Timed out while waiting for a response from the second USDS query.
- 12 — Timed out waiting for SP response after USDS instructed 4ESSTM to wait for instructions.
- 13 — Caller abandoned while waiting for a response from the first USDS query.
- 14 — Caller abandoned while waiting for a response from the second USDS query.
- 15 — Caller abandoned while waiting for instructions from the SP after being instructed to wait.
- 16 — Received a request to disconnect call but the reply code parameter was not present, call allowed to proceed.
- 17 — Received a request to disconnect call but the reply code parameter did not indicate 2ccp request, call allowed to proceed.
- 18 — SWCAP parameter indicated route to ALA but ALA parameter was not present, call proceeds.
- 19 — SWCAP parameter not present in invoke switch capabilities operation.
- 20 — Unrecognized indicators set in switch capability parameter for an invoke SWCAP operation.
- 21 — Invalid parameter received in PI SWCAP operation, call allowed to proceed.
- 22 — The message type received was invalid for the USDS operation received.
- 23 — Return error message received with error code of unrecognized error code.
- 24 — Return error message received with error code of unused error code.
- 25 — Return error message received with error code of unrecognized component sequence.

SEE PROPRIETARY NOTICE ON COVER PAGE

- 26 — Return error message received with error code of erroneous contents.
- 27 — Return error message received with error code of unavailable resource.
- 28 — Return error message received with error code of missing customer record.
- 29 — Return error message received with error code of spare.
- 30 — Return error message received with error code of data unavailable.
- 31 — Return error message received with error code of task refused.
- 32 — Return error message received with error code of queue full.
- 33 — Return error message received with error code of no queue.
- 34 — Return error message received with error code of reply overdue.
- 35 — Return error message received with error code of data already exists.
- 36 — Return error message received with error code of unauthorized request.
- 37 — Return error message received with error code of not queued.
- 38 — Return error message received with error code of invalid.
- 39 — Return error message received with error code of IDB miscellaneous problems.
- 40 — Return error message received with error code of IDB vacant line.
- 41 — Return error message received with error code of IDB vacant NXX.
- 42 — Return error message received with error code of IDB processor overload.
- 43 — Return error message received with error code of IDB non purchased NPA.
- 44 — Return error message received with error code of capabilities mismatch.
- 45 — Return error message received with error code of improper caller response.
- 46 — Return error message received with error code of unexpected parameter.

SEE PROPRIETARY NOTICE ON COVER PAGE

- 47 — Return error message received with error code of missing parameter.
- 50 — DLN indicates unrecognized package type.
- 51 — Incorrect transaction portion indicated by DLN.
- 52 — Incorrect transaction portion indicated by DLN.
- 53 — DLN indicates badly structured component portion.
- 54 — DLN indicates unrecognized component portion.
- 55 — General unrecognized component.
- 56 — General badly structured.
- 57 — DLN indicates incorrect component portion.
- 58 — Incorrect component portion due to invalid number of components.
- 59 — Incorrect component portion, invoke component.
- 60 — Incorrect component portion, return error component.
- 61 — Unrecognized error value in return error component.
- 62 — Unrecognized operation code value in an invoke component.
- 63 — Invalid message length.
- 79 — Incorrect component portion, return result component.
- 83 — P-abort cause indicates unrecognized message type.
- 84 — P-abort cause indicates unrecognized transaction ID.
- 85 — P-abort cause indicates badly formatted transaction portion.
- 86 — P-abort cause indicates invalid transaction.
- 87 — P-abort cause indicates resource limit exceeded.
- 88 — U-abort cause indicates application protocol violation.
- 89 — U-abort cause indicates unknown user problem.
- 90 — U-abort cause indicates caller abandon.
- 91 — U-abort cause indicates return error message received.
- 92 — U-abort cause indicates reject message received.
- 93 — U-abort cause indicates timeout.
- 100 — Reject message has invalid type.
- 101 — Reject component - general, invalid.
- 102 — Reject component - general, unrecognized component.
- 103 — Reject component - general, incorrect component portion.

SEE PROPRIETARY NOTICE ON COVER PAGE

- 104 — Reject component - general, badly structured component portion.
- 105 — Reject component - invoke, invalid.
- 106 — Reject component - invoke, duplicate invoke ID.
- 107 — Reject component - invoke, unrecognized parameter.
- 108 — Reject component - invoke, unrecognized operation.
- 109 — Reject component - invoke, resource limitation.
- 110 — Reject component - invoke, initiating release.
- 111 — Reject component - invoke, unrecognized linked ID.
- 112 — Reject component - invoke, unexpected linked response.
- 113 — Reject component - invoke, unexpected linked operation.
- 114 — Reject component - return result, invalid.
- 115 — Reject component - return result, unrecognized invoke ID.
- 116 — Reject component - return result, unexpected return result.
- 117 — Reject component - return result, unrecognized parameter.
- 118 — Reject component - return error, invalid.
- 119 — Reject component - return error, unrecognized invoke ID.
- 120 — Reject component - return error, unexpected return error.
- 121 — Reject component - return error, unrecognized error.
- 122 — Reject component - return error, unexpected error.
- 123 — Reject component - return error, unrecognized parameter.
- 124 — Received a message for which the CCID in the message did not correlate to an active USDS call.
- 125 — Received USDS response or instruction message without CCID parameter.
- 126 — Received USDS message for which CCID matched a TSN but TSN was not in busy to CR state.
- 127 — Received USDS message for which the CCID did not correlate to a valid TSN.
- 128 — Received a USDS message which did not contain a valid operation.
- 129 — Received UNITDATA service message indicating general error.

SEE PROPRIETARY NOTICE ON COVER PAGE

	130 — Received a UNITDATA service message indicating signaling point code prohibited.
	131 — Received a UNITDATA service message indicating subsystem prohibited.
	132 — Received a UNITDATA service message indicating signaling point code congestion.
	133 — Received a UNITDATA service message indicating subsystem congestion.
	134 — Message returned by CNI, cause value invalid.
	135 — Message returned by CNI, message returned during data retrieval.
	136 — Message returned by CNI, blocked.
	137 — Message returned by CNI, overload congestion.
	138 — Message returned by CNI, unknown reason.
	139 — Message returned by CNI, ambiguous message.
	140 — Message returned by CNI, message not transmitted user part prohibited.
	141 — Message returned by CNI, MTP restricted route.
	142 — Message returned by DLN, unrecognized reason.
	143 — Message returned by DLN, no TSN translations present should not happen for USDS.
	144 — Message returned by DLN, invalid format from 1B.
	145 — Message returned by DLN, invalid CNI message type.
r	Point code of the USDS to which the message was sent, or from which the response was received. The point code appears in the AT&T point code format, Network Region Cluster Member.
s	Subsystem number of USDS to which the message was sent or from which the response was received.
t	Local ANI digits. This should be 10 digits. These digits identify a Local Nodal customer.
u	Carrier Identification Code. This must be a 4-digit number. These digits are used by the Number 2 Line Number Application For Consumers (2LAC)/ Network Control Point (NCP) databases for fraud detection.
v	CI digits.

SEE PROPRIETARY NOTICE ON COVER PAGE

w	Routing digits listed in the Alternate Number Translations (ANT) record.
x	Domain listed in the ANT record.
y	Service Indicator Code (SIC). listed in the ANT record.
z	Foreign Administration Identity (FAI). code listed in the ANT record.
a1	Carrier Specific Routing (CSR). preference listed in the ANT record.
b1	Calling directory number.
c1	Foreign Administration Identity (FAI) entered in the input message.
d1	Country code entered in the input message.

4. ACTION TO BE TAKEN

If the test query is successful, no action is required if the expected operations were received as a result of the query to the database.

If the test query is not successful, the failure results indicate the trouble.

5. REFERENCES

PIDENTs
DSDCAPPL
DSDCPSDP
TCAPTEST

Input Message
TEST : TCAPDSD

SEE PROPRIETARY NOTICE ON COVER PAGE

ID UPD:BUNSTAT
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E19 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

UPD:BUNSTAT [UCL] a

2. REASON FOR OUTPUT

This message prints in response to a UPD:BUNSTAT input message.

3. VARIABLE FIELD DEFINITIONS

UCL	Used when all F-Link layers have been removed from a given switch.
a	Status of message:
	ABTD RNG DWN — Terminated due to a ring down condition.
	COMPL — Update completed.

4. ACTION TO BE TAKEN

None, this is for information only.

5. REFERENCES

PIDENTs
TMADASTN
TMADBUNS

Input Message
UPD:BUNSTAT

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Use pursuant to Company Instructions.

ID VER:ASCIT-ANSR
WORK CENTER.. MAC, MOC
GENERIC 4E27R2 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:ASCIT;OPT(ANSR):

SII	QUESTION	ANSWER
-----	----------	--------

a	b	c
---	---	---

2. REASON FOR OUTPUT

Display the verification of the AT&T Service / Call ID Type (ASCIT).

3. VARIABLE FIELD DEFINITIONS

a	Service Identity Index (SII) number (0-255).
b	Question being asked number (1-48). See Table A for a list of questions that could be asked and the corresponding question number.
c	Answer to question: N — No Y — Yes

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
IOCPIMC4
IOCPPVR4
VRFYCNTL
VRFYINPT
VRFYMISC
VRFYOUT

Input Message
VER:ASCIT

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

TABLE A

VALUE	MEANING
1	Is this a global Software Defined Network (SDN) call?
2	Can this be a SDN call?
3-4	Currently not used
5	Is this a Remote Adjunct Call Handling (REACH) call for this SII?
6	Should the billing number be sent with this SII?
7	Is this an SDN Digital Radio Avoidance Routing (SDN-DRAR) call?
8	Does Integrated Services Digital Network User Part (ISUP) need to pass routing or Automatic Message Accounting (AMA) data to an AT&T Trigger Platform (ATP) switch or an Network Control Point (NCP) initiated handoff switch?
9	Is this a GETS call?
10	Are End-to-End Class Of Service (ECOS) overflow routes excluded for this SII?
11	Are ECOS alternate routes excluded for this SII?
12	Currently not used.
13	Is the terminating recording data set to ON for this SII?
14	Is this a Megacom® 800 call for which we want to check if going to an interexchange carrier (IXC)?
15	Will a Transmit Noise Reduction (TNR) "Start of Call" order be sent for the egress trunk for this SII?
16	Should the access information and/or trunk group rating number be included in the IAM for this SII?
17	Currently not used.
18	Can this be an Equal Access (EA) Cellular Positive Call Processing (PCP) Call?
19	Can this be a Segmentation Directory (SD) type call?
20-21	Currently not used.
22	Should 4ESS™ preserve and deliver the Carrier Identification Code (CIC) derived at the Access Switch, but continue to use the Additional Data Field 2 (AD2) value for Service Switching Point (SSP) call type re-translation for this SII?
23	Is this an emergency call per the AT&T Digital Link Phase 3 - 911 Capabilities?
24	Is the SII for this call eligible for an Network Routing Number (NRN) Database (DB) query?
25	Turn off per call controllable Echo Canceler (EC) at Terminating AT&T Switch (TAS) on trunk from Originating AT&T Switch (OAS)
26	Turn off per call controllable EC at TAS on trunk from Via AT&T Switch (VAS)
27	Turn off per call controllable EC at VAS on trunk from OAS

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VALUE	MEANING
28	Turn off per call controllable EC at OAS on trunk to TAS
29	Turn off per call controllable EC at OAS on trunk to VAS
30	Turn off per call controllable EC at VAS on trunk to TAS
31	Dialed Number Identification Service digit delivery to the TELLME platform
32-48	Currently not used

@

1. FORMAT

2. REASON FOR OUTPUT

3. VARIABLE FIELD DEFINITIONS

- LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

- e Subsequent digit index type. This is the value associated with the ST2 keyword in the input message. This field is blank if no subsequent digit type was requested with the input message.
- f Index value for the subsequent digit type in the ST2 field. The valid range is 0 to 1022 and it corresponds to the index associated with the IDX2 keyword in the input message. The field is blank if no subsequent digit type and index was requested.
- g ABC digits. If area code is Y, a number between 200 and 999; if area code is N, a number between 000 and 999.
- h Call type. The major category for the disposition of the codes listed in the message.
- i Call data. For each CALLTYP, this field identifies the specific code group treatment.
- j Additional Data Field 1 (AD1).
- k Additional Data Field 2 (AD2).
- l Service categories field.
- m Call handling instruction field.
- n Destination separation. Identifies the destination for traffic flow purposes.
- o Dialed number service type.
- p Additional Data Field 3 (AD3), used to set feature bit indicator.
- q ADC - Acceptable digit counts for the code.
- r Phrases describing any special routing situations for the code:
FEATURES ALLOWED: {s[,s][,s...]
INTERCHANGEABLE CODE
INTERCHANGEABLE CODE AND POSITIVE LOOK-UP PRESENT
PERMISSIVE DIALING ALLOWED
POSITIVE LOOK-UP PRESENT
PROTECTED TO NPA t
- s Features:
ICC — Interchangeable code.
LNP — Local number portability.
PDA — Permissive dialing allowed.
PLU — Positive look-up.

PNPA — Protected to Numbering Plan Area (NPA).

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t Numbering plan area.

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
VRFYIRTG
VRFYOUT
VRFYRTNG

Translation Guide, 4ESSTM, TG-4, Division 8, Section 3

Input Message
VER:CODEGRP

ID VER:CODEGRP-06
 WORK CENTER.. MAC, MOC
 GENERIC 4E23 Rel. 3 and later
 APPLICATION .. 4E - Proprietary
 TYPE Output

1. FORMAT

VER:CODEGRP;OPT(DIG6),CUR: DOM aaaa, NTD b, AC c,
 ST1 [dddd,] IDX1 [eeee,] ST2 [ffff,] IDX2 [gggg,]
 ABC hhh,
 DEF CALLTYP CALldata AD1 AD2 SC CHI DESEP DNST
 ADC
 iii, jjj, kkkkkkkkkkkkkkkkkk, llll, mmmmm, nnnn, oooo, ppp, qqqqqq,
 AD3 rrrrrrrr, ADC (ss,ss,ss,ss,ss,ss,ss,ss,ss,ss,ss,ss,ss,ss,ss),
 t
 .
 .
 .
 iii, jjj, kkkkkkkkkkkkkkkkkk, llll, mmmmm, nnnn, oooo, ppp, qqqqqq,
 AD3 rrrrrrrr, ADC (ss,ss,ss,ss,ss,ss,ss,ss,ss,ss,ss,ss,ss,ss,ss),
 t

2. REASON FOR OUTPUT

To list the type of routing treatment for a four-, five-, or six-digit code grouping in response to an input verify message.

3. VARIABLE FIELD DEFINITIONS

- a Identifies a community of interest for this three-digit translation.
- b Number of translatable digits.
- c Area code indicator:
 N — Indicates the ABC digits are office codes, test codes or another non-area codes.
 Y — Indicates the 3-digit codes (ABC) are area codes.
- d Subsequent digit index type. This is the value associated with the ST1 keyword in the input message. This field is blank if no subsequent digit type was requested with the input message.

- e Index value for the subsequent digit type in the ST1 field. The valid range is 0 to 1022 and it corresponds to the index associated with the IDX1 keyword in the input message. The field is blank if no subsequent digit type and index was requested.
- f Subsequent digit index type. This is the value associated with the ST2 keyword in the input message. This field is blank if no subsequent digit type was requested with the input message.
- g Index value for the subsequent digit type in the ST2 field. The valid range is 0 to 1022 and it corresponds to the index associated with the IDX2 keyword in the input message. The field is blank if no subsequent digit type and index was requested.
- h ABC digits. If area code is Y, a number between 200 and 999; if area code is N, a number between 000 and 999.
- i DEF digits. The fourth, fifth, and sixth digits of a series. The number of digits in this field plus the ABC digits equals the number entered in the NTD field.
- j Call type. The major category for the disposition of the codes listed in the message.
- k Call data. For each CALLTYP, this field identifies the specific code group treatment.
- l Additional Data Field 1 (AD1).
- m Additional Data Field 2 (AD2).
- n Service categories field.
- o Call handling instruction field.
- p Destination separation. Identifies the destination for traffic flow purposes.
- q Dialed number service type.
- r Additional Data Field 3 (AD3), used to set feature bit indicator.
- s ADC - Acceptable digit counts for the code.
- t Phrases describing any special routing situations for the code:
FEATURES ALLOWED: {u[,u][,u...]
INTERCHANGEABLE CODE
INTERCHANGEABLE CODE AND POSITIVE LOOK-UP PRESENT
LOCAL NUMBER PORTABILITY
LOCAL NUMBER PORTABILITY AND POSITIVE LOOK-UP
PRESENT

LOCAL NUMBER PORTABILITY AND PROTECTED TO NPA v

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PERMISSIVE DIALING ALLOWED
POSITIVE LOOK-UP PRESENT
PROTECTED TO NPA v

u Features:

ICC — Interchangeable code.
LNP — Local number portability.
PDA — Permissive dialing allowed.
PLU — Positive look-up.
PNPA — Protected to Numbering Plan Area (NPA).

v Numbering plan area.

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
VRFYIRTG
VRFYOUT
VRFYRTNG

Translation Guide, 4ESSTM, TG-4, Division 8, Section 3

Input Message
VER:CODEGRP

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1. FORMAT

2. REASON FOR OUTPUT

To list the type of routing treatment for a seven-, eight-, or nine-digit code grouping in response to a verify input message.

3. VARIABLE FIELD DEFINITIONS

- | | |
|---|--|
| a | Identifies a community of interest for this 3-digit translation. |
| b | Number of translatable digits. |
| c | Area code indicator:

N — Indicates the ABC digits are office codes, test codes or another non-area codes.

Y — Indicates the 3-digit codes (ABC) are area codes. |
| d | Subsequent digit index type. This is the value associated with the ST1 keyword in the input message. This field is blank if no subsequent digit type was requested with the input message. |

LUCENT TECHNOLOGIES – PROPRIETARY
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- e Index value for the subsequent digit type in the ST1 field. The valid range is 0 to 1022 and it corresponds to the index associated with the IDX1 keyword in the input message. The field is blank if no subsequent digit type and index was requested.
- f Subsequent digit index type. This is the value associated with the ST2 keyword in the input message. This field is blank if no subsequent digit type was requested with the input message.
- g Index value for the subsequent digit type in the ST2 field. The valid range is 0 to 1022 and it corresponds to the index associated with the IDX2 keyword in the input message. The field is blank if no subsequent digit type and index was requested.
- h ABC digits. If area code is Y, a number between 200 and 999; if area code is N, a number between 000 and 999.
- i DEF digits. The fourth, fifth, and sixth digits of a series.
- j GHI digits. The seventh, eighth, and ninth digits that complete the code group definition (0-999). The number of digits in the ABC, DEF, GHI fields must equal the number entered in the NTD field.
- k Call type. The major category for the disposition of the codes listed in the message.
- l Call data. For each CALLTYP this field identifies the specific code group treatment.
- m Additional Data Field 1 (AD1).
- n Additional Data Field 2 (AD2).
- o Service categories field.
- p Call handling instruction field.
- q Destination separation. Identifies the destination for traffic flow purposes.
- r Dialed number service type.
- s Additional Data Field 3 (AD3), used to set feature bit indicator.
- t ADC - Acceptable digit counts for the code.
- u Phrases describing any special routing situations for the code:
FEATURES ALLOWED: {v, [, v][, v...]
INTERCHANGEABLE CODE
INTERCHANGEABLE CODE AND POSITIVE LOOK-UP PRESENT
LOCAL NUMBER PORTABILITY

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Use pursuant to Company Instructions.

LOCAL NUMBER PORTABILITY AND POSITIVE LOOK-UP
PRESENT

LOCAL NUMBER PORTABILITY AND PROTECTED TO NPA w

PERMISSIVE DIALING ALLOWED

POSITIVE LOOK-UP PRESENT

PROTECTED TO NPA w

v

Features:

ICC — Interchangeable code.

LNP — Local number portability.

PDA — Permissive dialing allowed.

PLU — Positive look-up.

PNPA — Protected to Numbering Plan Area (NPA).

w

Numbering plan area.

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
VRFYIRTG
VRFYOUT
VRFYRTNG

Translation Guide, 4ESSTM, TG-4, Division 8

Input Message
VER:CODEGRP

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:CODEGRP-12
WORK CENTER.. MAC, MOC
GENERIC 4E23 Rel. 3 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:CODEGRP;OPT(DIG12),CUR: DOM aaaa, NTD bb, AC c,

ST1 [dddd,] IDX1 [eeee,] ST2 [ffff,] IDX2 [gggg,]

ABC hhh, DEF iii, GHI jjj,

JKL CALLTYP CALldata AD1 AD2 SC CHI DESEP DNST

kkk, lll, mmmmmmmmmmmmmmmmmmm, nnnn, oooooo, pppp, qqqq, rrr, ssssss,
AD3 tttttttt, ADC (uu,uu,uu,uu,uu,uu,uu,uu,uu,uu,uu,uu,uu,uu,uu,uu),
v

. .
. .
. .

kkk, lll, mmmmmmmmmmmmmmmmmmm, nnnn, oooooo, pppp, qqqq, rrr, ssssss,
AD3 tttttttt, ADC (uu,uu,uu,uu,uu,uu,uu,uu,uu,uu,uu,uu,uu,uu,uu,uu),
v

2. REASON FOR OUTPUT

To list the type of routing treatment for a ten-, eleven-, or twelve-digit code grouping in response to a verify input message.

3. VARIABLE FIELD DEFINITIONS

- a Identifies a community of interest for this three-digit translation.
- b Number of translatable digits.
- c Area code indicator:
 - N — Indicates the ABC digits are office codes, test codes or another non-area codes.
 - Y — Indicates the 3-digit codes (ABC) are area codes.
- d Subsequent digit index type. This is the value associated with the ST1 keyword in the input message. This field is blank if no subsequent digit type was requested with the input message.

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Use pursuant to Company Instructions.

e	Index value for the subsequent digit type in the ST1 field. The valid range is 0 to 1022 and it corresponds to the index associated with the IDX1 keyword in the input message. The field is blank if no subsequent digit type and index was requested.
f	Subsequent digit index type. This is the value associated with the ST2 keyword in the input message. This field is blank if no subsequent digit type was requested with the input message.
g	Index value for the subsequent digit type in the ST2 field. The valid range is 0 to 1022 and it corresponds to the index associated with the IDX2 keyword in the input message. The field is blank if no subsequent digit type and index was requested.
h	ABC digits. If area code is Y, a number between 200 and 999; if area code is N, a number between 000 and 999.
i	DEF digits. The fourth, fifth, and sixth digits of a series.
j	GHI digits. The seventh, eighth, and ninth digits that complete the code group definition (0-999).
k	JKL digits. The tenth, eleventh, and twelfth digits of a series.
l	Call type. The major category for the disposition of the codes listed in the message.
m	Call data. For each CALLTYP this field identifies the specific code group treatment.
n	Additional Data Field 1 (AD1).
o	Additional Data Field 2 (AD2).
p	Service categories field.
q	Call handling instruction field.
r	Destination separation. Identifies the destination for traffic flow purposes.
s	Dialed number service type.
t	Additional Data Field 3 (AD3), used to set feature bit indicator.
u	ADC - Acceptable digit counts for the code.
v	Phrases describing any special routing situations for the code: FEATURES ALLOWED: {w, [, w] [, w. . .] INTERCHANGEABLE CODE INTERCHANGEABLE CODE AND POSITIVE LOOK-UP PRESENT LOCAL NUMBER PORTABILITY

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Use pursuant to Company Instructions.

	LOCAL	NUMBER	PORTABILITY	AND	POSITIVE	LOOK-UP
			PRESENT			
	LOCAL	NUMBER	PORTABILITY	AND	PROTECTED TO NPA	x
	PERMISSIVE	DIALING	ALLOWED			
	POSITIVE	LOOK-UP	PRESENT			
	PROTECTED TO	NPA	x			
w	Features:					
	ICC	—	Interchangeable code.			
	LNP	—	Local number portability.			
	PDA	—	Permissive dialing allowed.			
	PLU	—	Positive look-up.			
	PNPA	—	Protected to Numbering Plan Area (NPA).			
x	Numbering plan area.					

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
VRFYIRTG
VRFYOUT
VRFYRTNG

Translation Guide, 4ESSTM, TG-4, Division 8, Section 3

Input Message
VER:CODEGRP

ID VER:CODEGRP-INTL
 WORK CENTER.. MAC, MOC
 GENERIC 4E24 and later
 APPLICATION .. 4E - Proprietary
 TYPE Output

1. FORMAT

VER:CODEGRP;LIST;OPT(INTL-RECSCH): DOM a,
 CCD LD NN1 NN2 CALLTYP CALldata AD1
 b, [c], [d], [e], f, g, [h],
 •
 •
 •

2. REASON FOR OUTPUT

This message provides the ability to verify the international codes that point to the input calltype and all codes that point to any GNS/MCT/MRT/PRT/RDB/SDX calltypes that were populated in the input calltype.

The codes can be printed for either the International Originating (INTO) or International Transit (INTT) domains. If the domain is not specified on the input message then two output messages can be received, one for each domain.

The codes will be printed in ascending numerical order along with the language digit CALLTYP, CALldata and AD1 information if these items apply. The message is sent in groups of nine codes if more than nine matches are found.

3. VARIABLE FIELD DEFINITIONS

- a Domain:
 INTO — International Originating (INTO).
 INTT — International Transit (INTT).
- b Country Code (000-999).
- c Language Digit (0-9).
- d National Number Part 1 (NN1), one to six digits each having values 0-9, B or C.
- e National Number Part 2 (NN2), one to six digits each having values 0-9, B or C.
- f Call type:
 GNS — Go / No Go Screening.
 MCT — Multiple Carrier Treatment .

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 Use pursuant to Company Instructions.

- MRT — Multiple Routing Treatment.
- PRT — Proportional Routing Type .
- RDB — Routing Data Block.
- SDX — Subsequent Digit (SD) manual.
- g Call data. Values vary depending on call type. GNS - Routing Data Block index (RDBI), MCT - Multiple Carrier Index (1-1023), MRT - Multiple Routing Index (1-8191), PRT - Proportional Routing Index (1-127), RDB - 1-8191, or SDX - 1-16383.
- h Additional Data 1 (AD1):
- CSRT — Carrier Specific Routing (CSRT) SD type.
- DC — Digit Count (DC) SD type.
- FPR — Fax Preferred Routing (FPR) SD type.
- G — Go.
- GSDN — Global Software Defined Network (GSDN) SD type.
- IPR — Integrated Services Digital Network User Part (ISUP) Preferred Routing (IPR) SD type.
- MTS — Multiple Treatment Screening (MTS) SD type.
- N — No Go.
- RSI — Route Selection Index (RSI) SD type.
- TPC — Transport Capability (TPC) SD type.
- V31K — Voice on 3.1 Khz Capability (V31K) SD type.

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
IOCPPVR4
VRFYIRTG
VRFYOUT

Input Message
VER:INTLCODE

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

1. FORMAT

2. REASON FOR OUTPUT

3. VARIABLE FIELD DEFINITIONS

4. ACTION TO BE TAKEN

5. REFERENCES

Issue 1.7
September 2000

ID VER:CODEGRP-PLU
WORK CENTER.. MAC, MOC
GENERIC 4E23 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:CODEGRP;OPT(PLUCHK): FAILING PLU INDEX: {a|NONE}

ERROR INFORMATION

TRANSLATOR	INDEX(DEC)
HT4PLUCLD	{b NONE}
HT4PLUCT	{c NONE}
HT4PLULKP	{d NONE}
HT4PLUF2LKP	{e NONE}
HT4PLUL2LKP	{f NONE}
FAILED ADDR	VALUE(OCT)
ADDR1	{g NONE}
ADDR2	{h NONE}

2. REASON FOR OUTPUT

Outputs a failing Positive Look Up (PLU) index number. This PLU index number is responsible for failing to route a call.

The field FAILING PLU INDEX represents the PLU index retrieved from the code group table. The fields HT4PLUCLD through HT4PLUL2LKP represent the indexes to the entry or word within the respective structures. The fields ADDR1 and ADDR2 represent the failing addresses in the program store memory. Please note that the failure occurred immediately before these addresses, which is the convention usually adopted.

If ADDR1 is NONE, then ADDR2 should also be NONE. If ADDR1 represents some octal address, ADDR2 could be NONE or an address. If ADDR2 represents an address, it means that ADDR2 failed as a result of ADDR1 failure.

Type [1] is output when there are no PLU indexes or when there are no failing PLU indexes.

Type [2] is output when a PLU index is retrieved but fails to reach the CLD structure.

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

Type [3] is output when detected failure in the CLD entry index, the HT4PLUCLD value. The HT4PLUCLD value (if not NONE) will always be equal to the failing PLU index value.

Type [4] is output when detected failure in that particular word (indicated by the HT4PLUCT value) of CT entry.

Type [5] is output when detected failure in the particular word of an entry in the LKP structure. The HT4PLULKP value will point to the word where failure occurred.

Type [6] is output when detected failure in the word of CT entry. The HT4PLUCT value points to the particular word of CT entry and will be reached from the HT4PLULKP value which indicates a word in the LKP entry.

Type [7] is output when detected failure in the words (2 word) of an entry in F2LKP accessed by the HT4PLUF2LKP value.

Type [8] is output when detected failure in the word of an entry in L2LKP. This word is indicated by the HT4PLUL2LKP value. HT4PLUCLD value was first retrieved, followed by the HT4PLUF2LKP value and then the HT4PLUL2LKP value.

Type [9] is output when detected failure in the word of an entry in CT structure. This word was reached after reaching HT4PLUCLD value, followed by the HT4PLUF2LKP value, the HT4PLUL2LKP value and then HT4PLUCT value.

Type [10] is output for a PLU index of value 0 which is always invalid, even though it might route a call successfully. Hence, without further checking the validity of that index, it is always printed as an error.

See the table to find out the different types of output.

3. VARIABLE FIELD DEFINITIONS

a	Failing PLU index number (1-262143). 0 is an invalid PLU index and would always be printed as a failing PLU index without further checking for its validity, even though it might route a call successfully.
NONE	No value exists for this parameter.
b	HT4PLUCLD value. (1-262143) Will always be equal to the PLU index value. Index to the entry in the CLD structure where failure occurred or which leads to the failure in CT or LKP -> CT or F2LKP or F2LKP -> L2LKP or F2LKP -> L2LKP -> CT structure.
c	HT4PLUCT value (0-524287). Index to the word in the entry of CT structure where failure occurred.
d	HT4PLULKP value (0 to 8388607). Index to the word in the entry of the LKP structure where failure occurred or which leads to the failure in CT structure.

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- e HT4PLUF2LKP value (0 to 131071). Index to the words (2 words) in the entry of F2LKP structure where failure occurred or which leads to the failure in L2LKP or CT structure.
- f HT4PLUL2LKP value (0 to 8388607). Index to the word in the entry of L2LKP structure where failure occurred or which leads to the failure in CT structure.
- g Address one value in octal. Location in the program store memory where failure occurred.
- h Address two value in octal. Location in the program store memory which failed as result of the failure at ADDR1.

4. ACTION TO BE TAKEN

If the output is a valid index number, use the input command VER:CODELIST:CALLTYP PLU, CALldata a to see the routing codegroup information for that index.

If the failing PLU index number is 0, please seek technical assistance.

5. REFERENCES

PIDENTs
IOCPPVR4
VRFYMISC
VRFYOUT

Input Messages
VER:CODELIST
VER:VFUNC-PLUCHK

Type	PLU index	HT4PLUCLD	HT4PLUCT	HT4PLULKP	HT4PLUF2LKP	HT4PLUL2LKP
1	NONE	NONE	NONE	NONE	NONE	NONE
2	a	NONE	NONE	NONE	NONE	NONE
3	a	b	NONE	NONE	NONE	NONE
4	a	b	c	NONE	NONE	NONE
5	a	b	NONE	d	NONE	NONE
6	a	b	c	d	NONE	NONE
7	a	b	NONE	NONE	e	NONE
8	a	b	NONE	NONE	e	f
9	a	b	c	NONE	e	f
10	0	NONE	NONE	NONE	NONE	NONE

Values printed for each of the different message types.

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Use pursuant to Company Instructions.

ID VER:CODEGRP-PORT
WORK CENTER.. MOC
GENERIC 4E25 Rel. 4 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:CODEGRP;OPT(PORT[-ALL]): DOM aaaa,

ABC	DEF	MIN GHIJ	MAX GHIJ
bbb,	ccc,	dddd,	eeee,
•			
•			
•			

2. REASON FOR OUTPUT

To verify the number pooling target architecture ported out assignments at the 10-digit level in the Positive Look Up (PLU) translator.

3. VARIABLE FIELD DEFINITIONS

a	Domain of the 10-digit code group. (See Translation Guide for valid DOM.)
b	First three digits of the code (000-999).
c	Next three digits of the code (000-999).
d	Line number minimum (0000-9999).
e	Line number maximum (0000-9999).

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
IOCPIMC4
IOCPPVR4
VRFYORTG
VRFYOUT
VRFYRTNG

Translation Guide, 4ESSTM, Division 8, Section 3bj

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

4ESS
4B000-01AC

VER:CODEGRP;OPT(PORT[-ALL])

Input Message
VER:CODEGRP-PORT

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

VER:CODEGRP-PORT-2

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ID VER:CODEGRP-RSVD
WORK CENTER.. MOC
GENERIC 4E25 Rel. 4 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:CODEGRP;OPT(RSVD[-ALL]): DOM aaaa,

ABC	DEF	MIN GHIJ	MAX GHIJ
bbb,	ccc,	dddd,	eeee,
•			
•			
•			

2. REASON FOR OUTPUT

To verify the number pooling target architecture reserved assignments at the 10-digit level in the Positive Look Up (PLU) translator.

3. VARIABLE FIELD DEFINITIONS

a	Domain of the 10-digit code group. (See Translation Guide for valid DOM.)
b	First three digits of the code (000-999).
c	Next three digits of the code (000-999).
d	Line number minimum (0000-9999).
e	Line number maximum (0000-9999).

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
IOCPIMC4
IOCPPVR4
VRFYORTG
VRFYOUT
VRFYRTNG

Translation Guide, 4ESSTM, Division 8, Section 3bi

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

4ESS
4B000-01AC

VER:CODEGRP;OPT(RSVD[-ALL])

Input Message
VER: CODEGRP-RSVD

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

VER:CODEGRP-RSVD-2

Issue 1.7
September 2000

ID VER:EA-IOSC
WORK CENTER.. MAC, MOC
GENERIC 4E21 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:EA;OPT(IOSC): II/OLI a,

SERVICE CATEGORY TREATMNT

UNSP b,	ATAP c,	CUSP d,	CARP e,	CANP f,	HAWP g,	NWZ1 h,	INW i,
DSD j,	DLT k,	TC l,	DA m,	IOP n,	TST o,	RSYS p,	MSC1 q,
MSC2 q,	MSC3 q,	MSC4 q,	INCN r,	ALAP s,	CUTP t,	INCO u,	EASC v,
ICIN w,	SC1 x,	SC2 x,	SC3 x,	SC4 x,	SC5 x,	SC6 x,	SC7 x,
SC8 x,	SC9 x,	SC10 x,	SC11 x,	SC12 x,	SC13 x,	SC14 x,	SC15 x,
SC16 x,	SC17 x,	SC18 x,	SC19 x,	SC20 x,	SC21 x,	SC22 x,	SC23 x,
SC24 x,	SC25 x,	SC26 x,	SC27 x,	SC28 x,	SC29 x,	SC30 x,	SC31 x,
SC32 x,	SC33 x,	SC34 x,	SC35 x,	SC36 x,	SDN y,	LDA z,	SSP a1,
SPDI b1,	MULT c1,	MCPP d1,	INET e1,	SDND f1,	QTM g1,		

2. REASON FOR OUTPUT

Displays the II digits / service category fraud prevention information.

3. VARIABLE FIELD DEFINITIONS

- a II/ Originating Line Identifier (OLI) digits (0-255).
- b Unspecified:
- A — Allow
- D — Deny
- c Access Tandem Area Plain Old Telephone Service (POTS) (ATAP):
- A — Allow
- D — Deny
- d Continental United States POTS (CUSP):
- A — Allow
- D — Deny
- e Caribbean Non-US Territories POTS (CARP):
- A — Allow
- D — Deny

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Use pursuant to Company Instructions.

f	Canadian POTS (CANP): A — Allow D — Deny
g	Hawaiian POTS (HAWP): A — Allow D — Deny
h	Non-World Zone 1 (NWZ1): A — Allow D — Deny
i	Inward Wide Area Telecommunications Service (WATS) (INW): A — Allow D — Deny
j	Direct Services Dialing (DSD): A — Allow D — Deny
k	Dial-It (DLT): A — Allow D — Deny
l	Teleconferencing: A — Allow D — Deny
m	Directory Assistance (DA): A — Allow D — Deny
n	Inward Operator (IOP): A — Allow D — Deny
o	Test line: A — Allow D — Deny

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Use pursuant to Company Instructions.

p	Restricted System Code (RSYS): A — Allow D — Deny
q	Miscellaneous 1-4 (MSC1-MSC4): A — Allow D — Deny
r	International Carrier Non-IC Owner's ICN (ICIN): A — Allow D — Deny
s	Alaskan POTS (ALAP): Allow A — Allow D — Deny
t	Caribbean US Territories POTS (CUTP): A — Allow D — Deny
u	International Carrier (INCO): A — Allow D — Deny
v	Exchange Access Signaling Code (EASC): A — Allow D — Deny
w	Inter-LATA Carrier Switch's International Carrier (ICIN): A — Allow D — Deny
x	Spare Category 1-36 (SPC1-SPC36): A — Allow D — Deny
y	Software Defined Network (SDN): A — Allow D — Deny

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Use pursuant to Company Instructions.

z	Local Directory Assistance (LDA):
	A — Allow
	D — Deny
a1	Service Switching Point (SSP):
	A — Allow
	D — Deny
b1	Sponsor-Paid Dial-It (SPDI):
	A — Allow
	D — Deny
c1	MultiQuest®:
	A — Allow
	D — Deny
d1	MultiQuest® Calling Party-Paid (MCPD):
	A — Allow
	D — Deny
e1	Interim Nationwide Emergency Telecommunications (INET) system:
	A — Allow
	D — Deny
f1	SDN Data (SDND):
	A — Allow
	D — Deny
g1	Quantum:
	A — Allow
	D — Deny

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
VRFYEA
VRFYOUT

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

4ESS
4B000-01AC

VER:EA;OPT(IOSC)

Input Messages
VER:EA-SC-IIDIG
VER:EA-SC-OLI

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

VER:EA-IOSC-5

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1. FORMAT

2. REASON FOR OUTPUT

3. VARIABLE FIELD DEFINITIONS

- LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

GSDN	— Global Software Defined Network (SDN).
GSDNK	— Global SDN key customer.
LITE	— 800 COS lite.
LDS	— Long distance service.
MEGK	— Megacom® Telecommunications Service key customer.
OMEG	— Outward Wide Area Telephone Service (OUTWATS) or Megacom® Telecommunications Service.
PLT	— 800 COS platinum.
REACH	— Remote adjunct call handling.
RECHK	— Remote adjunct call handling key.
SDN	— Basic software defined network.
SDNK	— Software defined network key customer.
SDS	— Switched digital service.
SDCSR	— Switched digital international Carrier Specific Routing (CSR).
SP1	— SDN Digital Radio Avoidance Routing (SDN-DRAR) no key.
SP2	— SDN Digital Radio Avoidance Routing (SDN-DRAR) key.
SP3 - SP20	— Spare 3 through spare 20.

h Circuit Selection Capability Index (CSCI) (1 - 31).

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
IOCPIMC4
IOCPPVR4
VRFYEA
VRFYINPT
VRFYOUT

Translation Guide, 4ESSTM, TG-4, Division 8

Input Message
VER:EA-SII

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:MEMORY-EM
WORK CENTER.. MAC, MOC
GENERIC 4E26 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

[1] VER:MEMORY;OPT(EM):	GENERIC a	TOLL CIN				LOCAL CIN			
		TOWN	ST	BL	NBS	TOWN	ST	BL	NBS
		bbbb	cc	dd	eee	bbbb	cc	dd	eee,
ENGINEERED ITEM	NUMBER SPARE	NUMBER USED							
AIN TRIGGERS	f,	g,							
AUX RDBI	f,	g,							
CDBI	f,	g,							
CRBI	f,	g,							
DIGSUPP INDEXES	f,	g,							
FENN BLOCKS	f	g							
MCTI	f,	g,							
MRTI	f,	g,							
NDBI	f,	g,							
PRTI	f,	g,							
RDBI	f,	g,							
TRUNK BLOCKS	f,	g,							
TSG BLOCKS	f,	g,							
TTSI	f,	g,							
1-DIG BLOCKS	f,	g,							
PCP-ABCID	f,	g,							
AUTO SDX INDEXES	f,	g,							
MAN SDX INDEXES	f,	g,							
MAIN_CS BLOCKS	f,	g,							
DO_TRAN BLOCKS	f,	g,							
ACI_TRAN BLOCKS	f,	g,							
EXT_CS1 BLOCKS	f,	g,							
EXT_CS2 BLOCKS	f,	g,							
EXT_CS3 BLOCKS	f,	g,							
TSGHC TBS WORDS	f,	g,							
FILE SEG2 DISK ONLY MIN/NUM/MAX ASSIGNED						h,			
NUMBER OF CPA ANIS ASSIGNED						i,			
NUMBER OF SPARE PCP ANIS						j,			
NUMBER OF AIN DNTS ASSIGNED						k,			
NUMBER OF PAIRS OF NAILED-UP TRUNKS						l,			

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

```

NUMBER OF LACIDs ASSIGNED                                m,

HOME NPA          ASSIGNED SERVED NPAs

nnn,              o, [o,] [o,] [o,] [o,] [o,] [o,]
                  .   .   .   .   .   .   .
                  .   .   .   .   .   .   .
                  .   .   .   .   .   .   .

[2]  VER:MEMORY;OPT(EM):
                                GENERIC      TOLL CIN      LOCAL CIN
                                a             TOWN ST BL NBS  TOWN ST BL NBS
                                bbbb cc dd eee bbbb cc dd eee,

NUMBER OF TRANSLATORS ASSIGNED BY SPACE ADMIN

USE          COUNT          TYPE          SEG

p,           q,           r,           s,
.            .            .            .
.            .            .            .
.            .            .            .

[3]  VER:MEMORY;OPT(EM):
                                GENERIC      TOLL CIN      LOCAL CIN
                                a             TOWN ST BL NBS  TOWN ST BL NBS
                                bbbb cc dd eee bbbb cc dd eee,

ASSIGNED ROUTING DOMAINS
t, [t,] [t,] [t,] [t,] [t,] [t,] [t,] [t,] [t,]
.   .   .   .   .   .   .   .   .
.   .   .   .   .   .   .   .   .
.   .   .   .   .   .   .   .   .

```

2. REASON FOR OUTPUT

To list spare and used engineered memory items.

Format [1] prints once at the beginning of the sequence of the message.

Format [2] prints once or more depending on how many translators need to be listed.

Format [3] prints at the end of the sequence of the message.

3. VARIABLE FIELD DEFINITIONS

a	GENERIC	Issue and release number of generic program.
b	TOWN	The town, city, or location of the office.
c	ST	The state, province, or foreign country.
d	BL	The building or office identity.
e	NBS	Building subdivision.

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

AIN TRIGGERS	Advanced Intelligent Network (AIN).
AUX RDBI	Auxiliary routing indexes.
CDBI	Customer data block indexes.
CRDBI	Customer routing block indexes.
DIGSUPP INDEXES	Digit supplemental indexes.
FENN BLOCKS	Far End Network (FENN) blocks.
MCTI	Multiple carrier treatment indexes.
MRTI	Multiple routing treatment indexes.
NDBI	Numbering data block indexes.
PRTI	Proportional routing indexes.
RDBI	Routing data block indexes.
TRUNK BLOCKS	Trunk blocks.
TSG BLOCKS	Trunk Subgroup (TSG) blocks.
TTSI	Terminating toll switch indexes.
1-DIG BLOCKS	1-digit blocks.
PCP-ABCID	Positive Call Processing (PCP) ABC digits identification.
AUTO SDX INDEXES	Automatic subsequent digit indexes.
MAN SDX INDEXES	Manual subsequent digit indexes.
MAIN_CS BLOCKS	Main call store translations blocks.
DO_TRAN BLOCKS	Disk only store translations blocks.
ACI_TRAN BLOCKS	Account Code Information (ACI) translations blocks.
EXT_CS1 BLOCKS	Extended call store, segment 1 blocks.
EXT_CS2 BLOCKS	Extended call store, segment 2 blocks.
EXT_CS3 BLOCKS	Extended call store, segment 3 blocks.
TSGHC TBS WORDS	TSG Head Cell (TSGHC) Trunk Block Status (TBS) words.
f	Quantity of spare for corresponding engineered item.
g	Quantity of used for corresponding engineered item.
h	The count represents the total number of 1024 word blocks assigned to disk only minimum / number / maximum translators in file segment 2.
i	Number of Automatic Number Identifications (ANIs) used for Calling Party Address (CPA).
j	Number of spare PCP ANIs.
k	Number of AIN dialed number triggers assigned.

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l	Number of nailed up trunks (i.e., number of connections).
m	Number of Link Access Circuit Identifiers (LACIDs) assigned.
n	For AT&T offices, geographical identifier of the switch. For non-AT&T offices, Home Numbering Plan Area (NPA).
o	Served NPAs. For AT&T offices, up to 31 may be output. For non-AT&T offices, up to 8 may be output.
p	Space administration use number. See Table 1.
q	Number of 1024-word blocks assigned.
r	Memory type: ACI_TRAN — Disk memory used to store disk only Office Data Assembler (ODA) structures for the Direct Link Node (DLN). DO_TRAN — Disk memory used to store disk only ODA structures such as the disk TSG translator. EXT_CS — Core memory located in Extended Non-Secure Call Store (XS) call stores. MAIN_CS — Core memory located in the base 1B processor call stores.
s	Memory segment (0-3).
t	Assigned routing domains. See Table 2.

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
IOCPPVR4
VRFYMISC
VRFYOUT

Translation Guide, 4ESSTM, TG-4, Division 8, Sec. 6c

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

Table 1

Use Number	Description of Translator
2	Trunk Scanner Number - Trunk Block Number (TSN-TBN)
3	Core TBN
4	TBN core packed.
5	Link Access Circuit Identifier (LACID) data translator
6	LACID to trunk block translator
7	Common Channel Interoffice Signaling (CCIS) Terminal Echo Receiver (TER), label-TSN
8	CCIS TSN- Prime (PRIM) Terminal (TERM), label
9	Toll terminal frame to Trunk Appearance Number (TAN)
10	Space administration
11	Core Trunk Subgroup (TSG)
12	Disk TSG
13	Three digit
14	S Digit (DIG) grid table
15	S DIG code group
16	Type Of Origin (TORIG)/ Signaling Service Type (SST)/ Dialed Number Service Type (DNST)/ Type Of Destination (TDEST) to Service Identity Index (SII) translator
17	Routing Data Block (RDB)
18	Auxiliary Routing Data Block (ARDB)
20	Centralized Automatic Message Accounting (CAMA) screening
21	Originating Local Call Intercept Group (OLCIG)
22	Terminating Local Call Intercept Group (TLCIG)
23	Circuit Identification Number Code (CINC) or Circuit Identification Number (CIN)
24	CIN Length (CINLEN)
25	Miscellaneous Scanner Number (MSN)
26	Miscellaneous Distributor Number (MDN)
30	Unit Type (UT) entry
31	International 1-digit
32	TSN to miscellaneous
33	TSN to miscellaneous supplementary
34	TSN to terminal-label supplementary
35	Terminal-label to TSN supplementary
36	Dedicated Time Slot Interchange (TSI) nail up
37	Mass Announcement Service (MAS) announcement data
38	Backup band data

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Use pursuant to Company Instructions.

Table 1
(continued)

Use Number	Description of Translator
42	Time Assigned Speech Interpolation - E - Dynamic Load Control (TASI-E-DLC) translator
43	Terminating Toll Switch (TTS) for Dynamic Non Hierarchical Routing (DNHR)
44	Supplementary digit translator
45	Far end network translator
46	TSG translator
47	TAN to TAN assignments table
48	Alternate Number Translations (ANT) record 1024 Routing (RTNG) Synchronized Unsupervised Burst Tone (SUBT)
49	Account Code Information (ACI) subtranslator space Destination Point Code (DPC) subheadtable
50	ACI fixed assigned headtable
51	ACI subtranslator space TSN-to-ALL
52	ACI subtranslator space DPC conflict table
53	ACI subtranslator space Circuit Identification Code (CIC) SUBT headtable
54	ACI subtranslator space CIC subtranslator
55	ACI subtranslator space q.931/ Service Access Data Channel (SADC) SUBT headtable
56	ACI subtranslator space q.931/SADC subtranslator
57	Customer routing block translator
58	Customer data block translator
59	TSN to customer data block translator
60	Number services data block translator
61	Proportional routing translator
62	Grid head table
63	Grid mask head table
64	Codegroup head table
65	Network switch number to DPC translator
66	Network Switch Number (NSN) to TSG list translator
67	Intermediate switches to destination NSN
68	Multiple routing treatment translator
69	SII to Routing Pattern Identity (RPI) subtranslator

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Table 1
(continued)

Use Number	Description of Translator
70	Positive lookup Automatic Number Identification (ANI)
71	RPI to NSN translator
72	Manual Subsequent Digit Indexes (SDXs) disk subtranslator
73	Safer and alternate destination call redirection
74	GH digits ANI lookup
75	Positive Call Processing (PCP) IJ digits subtranslator - size 256
76	PCP collision subtranslator
77	PCP parallel collision subtranslator
78	PCP customer data block subtranslator
79	Express connect ACI subtranslator
80	Positive Look Up (PLU) record 1024 subtranslator
81	PLU record 64 subtranslator
82	PLU record 128 subtranslator
83	PLU record 256 subtranslator
84	PLU record 1024 bitmap SUBT
85	SII to Service Identity Index Name (SIINAME) translator
86	PLU record 1024 subtranslator
87	PLU record 512 subtranslator
88	Carrier proportioned routing treatment translator
89	Global Title Translation (GTT) 6 digit 1024 Numbering Plan Areas (NPAs) Data Block Indexes (DBI) subtranslator
90	GTT 6 digit 1024 Exchange Number (NXX) subtranslator
91	JK digits ANI lookup
93	Calling Party Address (CPA) terminating table
94	CPA destination trigger table subtranslator
95	Emergency alternate routing assignment translator
96	Emergency alternate routing active translator
97	Multiple Routing Treatment (MRT) final handling announcement translator
98	End-to-End Class Of Service (ECOS) trunk block number translator
99	ECOS switch Identification (ID) name translator

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Table 1
(continued)

Use Number	Description of Translator
100	ECOS switch ID translator
101	ECOS trunk sub-group list translator
102	ECOS route list index translator
103	Area name translator
104	ECOS alternate route list translator
105	ECOS overflow route list translator
108	Adjunct Logical Address / Operations Support Network (ALA/OSN) to Routing Data Block Indexes (RDBIs) translator
110	Subsystem Number (SSN) topology translator
111	Numbering Plan Type (NPT) / NPA to Universal Global Title Translation (UGTT) subtranslator
112	Advanced intelligent network translator
114	TAN to Universal Services Echo Cancellor (USEC) subtranslator
115	USEC to TAN subtranslator
116	Multiple CINC translator
117	Positive look-up call type - HT4PLUCT
118	Positive look-up called - HT4PLUCLD
119	Positive look-up for 1 to 1023 line numbers - HT4PLULKP
120	Positive look-up for over 1023 line numbers - HT4PLUF2LKP
122	Positive look-up for over 1023 line numbers - HT4PLUL2LKP
123	Satellite connectivity bit map translator
124	International 1-digit annex translator
125	Expanded Time Slot Interchange (XTSI) D3U associated data
126	Originating Carrier And Terminating Country Pair (OCTCP) overflow foreign administration index list
127	TSG carrier identification parameter list
128	Universal T1.5 access subtranslators

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Table 2

Domain Number	Description of Domain
1	Plain Old Telephone Service (POTS) home Numbering Plan Area (NPA)
2	POTS Home Numbering Plan Area (HNPA) - nonarea code
3	POTS-area code
4	POTS intertoll
5	POTS intertoll-non area code
6	POTS served NPA1
7	POTS served NPA1-non area code
8	POTS served NPA2
9	POTS served NPA2-non area code
10	POTS served NPA3
11	POTS served NPA3-non area code
12	POTS served NPA4
13	POTS served NPA4-non area code
14	POTS served NPA5
15	POTS served NPA5-non area code
16	POTS served NPA6
17	POTS served NPA6-non area code
18	POTS served NPA7
19	POTS served NPA7-non area code
78	Skip network management
79	Long lines overseas use
80	Long lines overseas use
81	Non-POTS domain used for international outbound to Intelligent Serial Controller (ISC)
82	Non-POTS domain used for Full Rate Data (FRDATA)
83	Domain 83 used for Taiwan network
84	International traffic TSG
85	International originating
86	International transit
87	Verification network
88	Software defined network
89	Dedicated egress voice

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Table 2
(continued)

Domain Number	Description of Domain
90	Dedicated egress data
91	Dedicated egress clear 64kbps
92	Dedicated egress restricted 64kbps
93	Dedicated egress clear 64kbps H0
94	Dedicated egress restricted 64kbps H0
95	Dedicated egress clear 64kbps H11
96	Dedicated egress restricted 64kbps H11
99	Number services routing
100	Local Access Transport Area (LATA) / state screening
101	International incoming data
102	International outbound 56k data
103	International outbound 64k clear data
104	International transit data
105	Access tandem transit network selection
106	Clear 64kbps using 10-digit North American Numbering Plan (NANP)
107	Restricted 64kbps using 10-digit NANP
108	International clear 64k data domain
109	International 56k data domain
110	Global software defined network
111	Dial-a-view attendant
112	Action point number
113	NANP 384kbps clear
114	NANP 1536kbps clear
115	International transport 384kbps clear data domain
116	International outbound 384kbps clear data domain
117	Global Software Defined Network (GSDN) outbound international domain
118	Spare international domain
119	International 1536kbps clear data domain
120	International outbound 1536kbps clear data domain

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Use pursuant to Company Instructions.

ID VER:MISC-ADABLK
WORK CENTER.. MOC
GENERIC 4E24 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:MISC ADABLK:

BLOCKING ANNOUNCEMENT NUMBER: [a]

2. REASON FOR OUTPUT

Verifies the AT&T Network Connection (ANC) Dial-Around (ADA) blocking announcement number.

3. VARIABLE FIELD DEFINITIONS

a ADA blocking Final Handling Treatment (FHT) announcement number: AR, BT, DNN, D00, E01-E20, EA1-EA7, HW, I01-I30, IFF, INC, INF, ISB, IVC, LDV, LOB, LSA, MCA, NCA, NCB, NCC, NCD, NWC, NWN, OOA, OOB, OTS, R01-R10, ROA, S01-S19, SNA, SP1, SP2, ST0, T, TDN, UNN, VCA, VMA, WAT.

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
VRFYINPT
VRFYMISC
VRFYOUT

Translation Guide, 4ESSTM, TG-4, Division 8, Section 6dt

Input Message
VER:MISC-ADABLK

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:MISC-BLKAID
WORK CENTER.. MAC, MOC
GENERIC 4E23 Rel. 4 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:MISC BLKAID:

BLOCKING ANNOUNCEMENT ID:[a]

2. REASON FOR OUTPUT

Displays the verification of the Carrier Identification Code (CIC) blocking announcement Identification (ID), final handling treatment, announcement ID.

3. VARIABLE FIELD DEFINITIONS

a Blocking announcement ID:
AR, BT, DNN, D00, E01-E20, EA1-EA7, HW, I01-I30,
IFF, INC, INF, ISB, IVC, LDV, LOB, LSA, MCA, NCA,
NCB, NCC, NCD, NWC, NWN, OOA, OOB, OTS, R01-R10,
ROA, S01-S19, SNA, SP1, SP2, ST0, T, TDN, UNN, VCA,
VMA, WAT.

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
IOCPPVR4
VRFYMISC
VRFYOUT

Input Message
VER:MISC

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:MISC-CHGMCT
WORK CENTER.. MAC, MOC
GENERIC 4E23 Rel. 4 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:MISC;OPT(CHGMCT,UNA): MCTI a,

2. REASON FOR OUTPUT

Displays the index of an entry that has been deleted for the Multiple Carrier Treatment Index (MCTI) structure since the time and date specified in the input command.

3. VARIABLE FIELD DEFINITIONS

a Multiple Carrier Treatment Index (MCTI) number (0-1023).

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
VRFYIRTG
VRFYMISC
VRFYOUT
VRFYRTNG

Input Message
VER:MISC

ID VER:MISC-CHGMRT
WORK CENTER.. MAC, MOC
GENERIC 4E23 Rel. 4 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:MISC;OPT(CHGMRT,UNA): MRTI a,

2. REASON FOR OUTPUT

Displays the index of an entry that has been deleted for the Multiple Routing Treatment Index (MRTI) structure since the time and date specified in the input command.

3. VARIABLE FIELD DEFINITIONS

a Multiple Routing Treatment Index (MRTI) number (0-1023).

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
VRFYIRTG
VRFYMISC
VRFYOUT
VRFYRTNG

Input Message
VER:MISC

ID VER:MISC-CSRSDX
WORK CENTER.. MAC, MOC
GENERIC 4E23 Rel. 3 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:MISC;OPT(CSRSDX)

FEATURE	INFO	DATA
---------	------	------

CSCRSDX		aaaaa,
---------	--	--------

2. REASON FOR OUTPUT

To display the Carrier Screening Subsequent Digit Index (CSRSDX) data.

3. VARIABLE FIELD DEFINITIONS

a	CSRSDX number.
---	----------------

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
IOCPPVR4
VRFYCNTL
VRFYINPT
VRFYMISC
VRFYOUT

Input Message
VER:MISC

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Use pursuant to Company Instructions.

ID VER:MISC-DARN
WORK CENTER.. MAC, MOC
GENERIC 4E24 Rel. 3 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:MISC DARN:

BLOCKING ANNOUNCEMENT ID:[a]

2. REASON FOR OUTPUT

Displays the verification of the Dial Around (DARN) blocking announcement Identification (ID).

3. VARIABLE FIELD DEFINITIONS

a Blocking announcement ID:
AR, BT, DNN, D00, E01-E20, EA1-EA7, HW, I01-I30,
IFF, INC, INF, ISB, IVC, LDV, LOB, LSA, MCA, NCA,
NCB, NCC, NCD, NWC, NWN, OOA, OOB, OTS, R01-R10,
ROA, S01-S19, SNA, SP1, SP2, ST0, T, TDN, UNN, VCA,
VMA, WAT.

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
IOCPPVR4
VRFYMISC
VRFYOUT

Translation Guide, 4ESSTM, TG-4, Division 8, Section 6du

Input Message
VER:MISC

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ID VER:MISC-ESCR
 WORK CENTER.. MAC, MOC
 GENERIC 4E25 Rel. 3 and later
 APPLICATION .. 4E - Proprietary
 TYPE Output

1. FORMAT

VER:MISC,OPT(ESCR)

BCIC	DSTAT	DCIC	ISTAT	ICIC
aaaa,	b,	[cccc],	d,	[eeee],
[aaaa,	b,	[cccc],	d,	[eeee],]
[aaaa,	b,	[cccc],	d,	[eeee],]
•				
•				
•				

2. REASON FOR OUTPUT

Provides the ability to verify entries provisioned in the Enhancements for Special CIC Routing (ESCR) translator. This translator provides domestic and international routing information for a Basic Carrier ID Code (BCIC). The routing information is: a Domestic Status (DSTAT) parameter, a Domestic Carrier ID Code (DCIC), an International Status (ISTAT) parameter, and an International Carrier ID Code (ICIC). If the optional BCIC input parameter is used only that specific 4-digit BCIC will be verified and displayed. Otherwise, all the provisioned entries within the ESCR translator will be verified and displayed.

3. VARIABLE FIELD DEFINITIONS

a	Basic Carrier ID Code (BCIC) (0000-9999).
b	Domestic Carrier ID Code (DSTAT) (0000-9999).
c	Domestic Status (DCIC) parameter (ON or OFF).
d	International Carrier ID Code (ISTAT) (0000-9999).
e	International Status (ICIC) parameter (ON or OFF).

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
 IOCPVVR4
 TRANROUT
 VRFYMISC

LUCENT TECHNOLOGIES – PROPRIETARY
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VRFYOMSC
VRFYOUT

Translation Guide, 4ESSTM, TG-4, Division 8, Section 6bv

Input Message
VER:MISC-ESCR

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Use pursuant to Company Instructions.

ID VER:MISC-FHT-CAR
WORK CENTER.. TOC
GENERIC 4E24 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:MISC:FHT CAROFCDAT:

REPORTING OFFICE: a
FEATURE MODE: b
COUNT MF CALLS: c
THRESHOLD: d
CHANNEL: e (f)

2. REASON FOR OUTPUT

Prints in response to the VER:MISC-FHT-CAR input message which is requesting the current office defined data for the Calling Party Number (CPN) anomaly reporting function.

3. VARIABLE FIELD DEFINITIONS

- a The office name for the reporting office; (example: CHCGILCL59T).
- b Feature mode:
COL — COLLECTION mode of operation.
DET — DETECTION mode of operation.
OFF — Feature is turned off (default setting).
- c Indicator used to determine whether calls with Multi-Frequency (MF) interworking which have invalid CPNs should be involved in the COLLECTION mode of operation:
NO — Do not count calls with MF interworking.
YES — Count calls with MF interworking.
- d Threshold value used for the COLLECTION mode of operation. Per Trunk Subgroup (TSG) counts will only be displayed in the group output when the counts have exceeded the threshold (1-2047).
- e Alphanumeric reporting Input/Output (IO) channel. This is the channel to which autonomous reports will be issued:
COLLECTION MODE — Autonomous reports are issued daily at about 01:15 am.
DETECTION MODE — Autonomous reports are issued on Sunday only at about 01:15 am.

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f Decimal value of reporting IO channel.

4. ACTION TO BE TAKEN

None. This is an informational message only.

5. REFERENCES

PIDENTs
VRFYMSCM

Input Message
VER:MISC-FHT-CAR

ID VER:MISC-FHT-CIC
WORK CENTER.. MAC, MOC
GENERIC 4E24 Rel. 2 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:MISC:FHT CICTORSIX:

CIC	RSI
aaaa	bbbb
aaaa	bbbb
.	.
.	.
.	.

2. REASON FOR OUTPUT

To display the Carrier Identification Code (CIC) / Route Selection Index (RSI) entries.

Up to 20 entries can be output per segment. Up to 52 segments may be printed if a request has been received to output all populated entries and the maximum number of entries (1024) have been populated.

3. VARIABLE FIELD DEFINITIONS

a	Four digit Carrier Identification Code (CIC).
b	Route Selection Index (RSI).

4. ACTION TO BE TAKEN

None. This message is for information only.

5. REFERENCES

PIDENT
VRFYMSC

Input Message
STOP:VERMSG
VER:MISC-FHT-CIC

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ID VER:MISC-FHT-PAY
WORK CENTER.. MOC, TEC, TOC
GENERIC 4E22 Rel. 3 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:MISC:FHT PAYPHONE:

ANNOUNCEMENT SET: a
ANNOUNCEMENT NUMBER: b

2. REASON FOR OUTPUT

This message is in response to the VER:MISC:FHT PAYPHONE input command. The data to be output consists of the announcement set and announcement number for the announcement which will be played when 8yy calls from a payphone are killed.

3. VARIABLE FIELD DEFINITIONS

a Announcement set (A-Z).
b Announcement number.

4. ACTION TO BE TAKEN

None. This message is for information only.

5. REFERENCES

PIDENT
VRFYMSCM

Input Message
VER:MISC-FHT-PAY

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Use pursuant to Company Instructions.

ID VER:MISC-FHT-QUI
WORK CENTER.. MAC, MOC
GENERIC 4E20 through 4E25
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:MISC:FHT QUIETHEAR:

YYY DIGITS

a

2. REASON FOR OUTPUT

This message is in response to a VER:MISC:FHT QUIETHEAR input command. The data to be output consists of the first 3 digits (YYY) of a unique QuietHear routing number.

3. VARIABLE FIELD DEFINITIONS

a 3 routing digits.

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
VRFYFHT

Input Message
VER:MISC-FHT-QUI

ID VER:MISC-FHT-SDD
WORK CENTER.. MAC, MOC
GENERIC 4E24 Rel. 3 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:MISC:FHT SDDRPCSSN:

PC				SSN
a	b	c	d	e
		.		.
		.		.

2. REASON FOR OUTPUT

The output is in response to the VER:MISC-FHT-SDD input message. This message displays the disaster recovery Segmentation Directory (SD) point codes and Subsystem Numbers (SSNs) which have been populated.

3. VARIABLE FIELD DEFINITIONS

a	Network portion of point code.
b	Region portion of point code.
c	Cluster portion of point code.
d	Member portion of point code.
e	Subsystem numbers (1-255).

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
VRFYMSC
VRFYMSCM

Input Message
VER:MISC-FHT-SDD

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Use pursuant to Company Instructions.

ID VER:MISC-FHT-SGD
WORK CENTER.. MAC, MOC
GENERIC 4E22 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:MISC:FHT SGDRPCSSN:

PC				SSN
a	b	c	d	e
		.		.
		.		.
		.		.

2. REASON FOR OUTPUT

The output is in response to the VER:MISC-FHT-SGD input message. This message displays the Segmentation Directory point codes and Subsystem Numbers (SSNs) which have been populated.

3. VARIABLE FIELD DEFINITIONS

a	Network portion of point code.
b	Region portion of point code.
c	Cluster portion of point code.
d	Member portion of point code.
e	Subsystem numbers (1-255).

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
VRFYFHT

Input Message
VER:MISC-FHT-SGD

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Use pursuant to Company Instructions.

ID VER:MISC-FHTLRGN
WORK CENTER.. MAC, MOC
GENERIC 4E23 Rel. 2 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:MISC:FHT LRGNASIGN:

NPA NXX

aaa-bbb
aaa-bbb
aaa-bbb

. .
. .
. .

2. REASON FOR OUTPUT

To display the Local Exchange Routing Guide Numbers (LRGNs).

Up to 20 entries can be output per segment. Up to 40 segments may be printed if a request has been received to output all populated entries and the maximum number of entries (800) have been populated.

3. VARIABLE FIELD DEFINITIONS

aaa Three digit level entry Numbering Plan Area (NPA).
bbb Three digit Office Code (NXX).

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
VRFYMSCM

Input Message
VER:MISC-FHTLRGN

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Use pursuant to Company Instructions.

ID VER:MISC-FHTOSBN
WORK CENTER.. MAC, MOC
GENERIC 4E20 Rel. 4 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

[1] VER:MISC:FHT OSPBNTBN:

BN	TBN	NANP	ENTRIES
----	-----	------	---------

a	b		
.	.		
.	.		
.	.		

BN	TBN	APN	ENTRIES
----	-----	-----	---------

a	b		
.	.		
.	.		
.	.		

[2] VER:MISC:FHT OSPBNTBN:

BN	TBN	c
----	-----	---

a	b	
.	.	
.	.	
.	.	

2. REASON FOR OUTPUT

The output is in response to an input request for billing number/true billing number data for the universal T1.5 access capability.

3. VARIABLE FIELD DEFINITIONS

a	Ten digit billing number.
b	Ten digit true billing number.

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

C Entry type header:

 NANP ENTRIES — North American Numbering Plan (NANP) entry header.

 APN ENTRIES — Action Point Numbering (APN) plan entry header.

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
VRFYFHT

Input Message
VER:MISC-FHTOSBN

ID VER:MISC-FHTOSID
WORK CENTER.. MAC, MOC
GENERIC 4E25 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:MISC:FHT OSPSTBNID:

TBN OSPSID

a	b
.	.
.	.
.	.

2. REASON FOR OUTPUT

The output is in response to an input request for True Billing Number (TBN)/ Operator Service Position System Identification (OSPSID) number data for the universal T1.5 access capability.

3. VARIABLE FIELD DEFINITIONS

a	True billing number format:
	NPA — Three digit level entry.
	NPANXX — Six digit level entry.
	NPANXXXXXXX — Ten digit level entry.
b	OSPSID (1-999).

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
VRFYFHT

Input Message
VER:MISC-FHTOSID

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:MISC-LAM
WORK CENTER.. MAC, MOC
GENERIC 4E21 Rel. 4 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:MISC;OPT(LAM)

DELAY 1B OVER-LOAD SLOW RING

aaa, bbb, ccccc,

2. REASON FOR OUTPUT

To display the 1+ Leave-A-Message (LAM) timers and threshold values. data.

3. VARIABLE FIELD DEFINITIONS

- a Delay routing timer.
- b 1B overload shut down control threshold.
- c Slow ring Direct Link Node (DLN) congestion overload timer.

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
IOCPPVR4
VRFYCNTL
VRFYINPT
VRFYMISC
VRFYOUT

Input Message
VER:MISC

ID VER:MISC-LRNASN
WORK CENTER.. MAC, MOC
GENERIC 4E23 Rel. 2 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:MISC;OPT(LRNASN)[;RES]:

NPA	NXX	ASN
aaa,	bbb,	c,

2. REASON FOR OUTPUT

To display the Local Routing Number (LRN) assignment data.

3. VARIABLE FIELD DEFINITIONS

a	Numbering Plan Area (NPA).
b	Exchange Number (NXX).
c	Assignment data:
0	— Other
R	— Resident

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
IOCPPVR4
VRFYCNTL
VRFYINPT
VRFYMISC
VRFYOUT

Input Message
VER:MISC

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:MISC-NEIPAV
WORK CENTER.. MAC, MOC
GENERIC 4E25 Rel. 3 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:MISC, OPT(NEIPAV):

ANSI IAM MTP VALUE: a, FEATURE MODE: b

2. REASON FOR OUTPUT

Provides the ability to verify the AT&T egress non-emergency Initial Address Message (IAM) Message Transfer Part (MTP) American National Standards Institute (ANSI) Priority Level value and the on/off status of the corresponding feature.

3. VARIABLE FIELD DEFINITIONS

- a Recommended non-emergency ANSI IAM MTP priority level value (0-3).
- b Feature operation mode (OFF or ON).

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
IOCPPVR4
VRFYMISC
VRFYOMSC
VRFYOUT

Translation Guide, 4ESSTM, TG-4, Division 8, Section 6ds

Input Message
VER:MISC-NEIPAV

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:MISC-NPRSVD
WORK CENTER.. MOC
GENERIC 4E25 Rel. 4 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:MISC, OPT(NPRSVD):

NPANXXX	NPANXXX	NPANXXX	NPANXXX	NPANXXX
a, [	a,] [	a,] [	a,] [	a,]
•				
•				
•				

2. REASON FOR OUTPUT

Provides the ability to verify the Number Pooling Target Architecture (NPTA) Reserved 7-digit type translator.

This message will only specify the NPA-NXX-X codes that are reserved for number pooling. For 7-digit codes that are not reserved, no output information will be printed.

3. VARIABLE FIELD DEFINITIONS

a 7 Digit (NPA-NXX-X) codes (2002000-9999999).

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
IOCPIMC4
IOCPPVR4
VRFYORTG
VRFYOUT
VRFYRTNG

Translation Guide, 4ESSTM, Division 8, Section 3bh

Input Message
VER:MISC-NPRSVD

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:MISC-XTSIPM
WORK CENTER.. MAC, MOC
GENERIC 4E22 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:MISC;OPT(XTSIPM)

	BIN	CV P	ES P	SES P	SAS P	AISS P	CSS P	UAS P
B15 MINUTE		a,	b,	c,	d,	e,	f,	g,
B24 HOUR		a,	b,	c,	d,	e,	f,	g,

2. REASON FOR OUTPUT

To display of the 15 minute and 24 hour Expanded Time Slot Interchange (XTSI) Digital Signal Level 3 Unit (D3U) Digital Signal Level 1 (DS1) performance monitoring thresholds.

3. VARIABLE FIELD DEFINITIONS

- a Code Violations (CVs) path threshold (0-65, 535).
- b Errored Seconds (ESs) path threshold (0-900).
- c Severely Errored Seconds (SESs) path threshold (0-63).
- d SES / Alarm Indication Signal (AIS) seconds path threshold (0-63).
- e Alarm Indication Signal Seconds (AISSs) path threshold (0-63) .
- f Controlled Slip Seconds (CSSs) path threshold (0-63) .
- g Unavailable Seconds (UASs) path threshold (0-63).

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
IOCPIMC4
IOCPMCP4
IOCPPVR4
VRFYCNTL
VRFYINPT
VRFYMISC
VRFYOUT

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

4ESS
4B000-01AC

VER:MISC;OPT(XTSIPM)

Input Message
VER:VFUNC-XTSIPM

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

VER:MISC-XTSIPM-2

Issue 1.7
September 2000

ID VER:OFFICE
WORK CENTER.. MAC, MOC
GENERIC 4E23 Rel. 3 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:OFFICE:

GENERIC INFO	TOLL CIN TOWN ST BL NBS	PCF	OPC	NSN
a	bbbb cc dd eee	f	g	[h]

LOCAL CIN TOWN ST BL NBS
bbbb cc dd eee

2. REASON FOR OUTPUT

To output the generic of an office, its unique Common Language Location Identifier (CLLI) code, Point Code Format (PCF), Origination Point Code (OPC), and Network Switch Number (NSN).

3. VARIABLE FIELD DEFINITIONS

a	Generic in format of 4E<17>4A.08 R2.
b	CLLI office code, TOWN.
c	CLLI office code, State (ST).
d	CLLI office code, Building (BL).
e	CLLI office code, Near Building Subdivision (NBS).
f	Point code format.
g	Origination point code.
h	Network switch number (blank-191).

4. ACTION TO BE TAKEN

None.

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

5. REFERENCES

PIDENTs
VRFYCNTL
VRFYINPT
VRFYMISC

Input Message
VER:OFFICE

ID VER:RCMEASCT
WORK CENTER.. MAC, MOC
GENERIC 4E24 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:RCMEASCT:

RC ID	ACTIVATIONS	LONGEST	CUMULATIVE
{a b},	cccccccc,	dddddddd,	eeeeeeeeeeeeeeeeee,
.	.	.	.
.	.	.	.
.	.	.	.

2. REASON FOR OUTPUT

Provides the ability to verify the number of times all Recent Change (RC) forms / messages were successfully activated. The longest successful activation times and the cumulative processing times for those forms / messages.

3. VARIABLE FIELD DEFINITIONS

- a RC form identifier digits (100-999).
- b RC form identifier:
 - FHT — Miscellaneous RC message type A.
 - FHB — Miscellaneous RC message type B.
 - ERR — Data is in the activation counter but the name of the RC form / message is undefined.
- c Number of times the RC form / messages has been activated since the counter was reset by Office Database Assembler (ODA) (1-16777215).
- d The longest time in centiseconds (10 milliseconds) for a successful activation of the RC form / message since the counter was reset by ODA (1-16777215). The largest value is 46.6 hours in centiseconds. The number 0 (zero) is considered an error.
- e The cumulative time in centiseconds (10 milliseconds) for all successful activations of the RC form / message since the counter was reset by ODA (1-16777215999999). The number 0 (zero) is considered an error.

4. ACTION TO BE TAKEN

None.

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

5. REFERENCES

PIDENTs
IOCPMCP4
IOCPPVR4
VRFYMISC
VRFYOUT

Input Message
VER:VFUNC-RCMEAS

ID VER:RTGLIST
WORK CENTER.. MAC, MOC
GENERIC 4E23 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:RTGLIST;OPT(a):

CALLTYP CALldata

b, c,

a TABLE

INDEX INDEX INDEX INDEX INDEX INDEX INDEX INDEX INDEX INDEX
d, d, d, d, d, d, d, d, d, d,

2. REASON FOR OUTPUT

To output the indexes of a given type of routing table that contains specific calltype and calldata information.

3. VARIABLE FIELD DEFINITIONS

- a Type of treatment:
- MCT Multiple carrier treatment.
- MRT Multiple routing treatment.
- PLU — Positive Look Up (PLU) treatment.
- PRT Proportional routing treatment.
- b Calltype. See the *Translation Guide, 4ESSTM*, TG-4, Division 8, Section 3an for valid calltypes.
- c Calldata. See the *Translation Guide, 4ESSTM*, TG-4, Division 8, Section 3an for valid calldatas.
- d Index number:
- MCT — 0-127.
- MRT — 0-8191.
- PLU — 1-262143.
- PRT — 0-127.

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

4. ACTION TO BE TAKEN

None, for information only.

5. REFERENCES

PIDENTs
IOCPIMC4
IOCPPVR4
VRFYCNTL
VRFYINPT
VRFYOUT
VRFYRTNG

Translation Guide, 4ESSTM, TG-4, Division 8, Section 3an

Input Messages

VER:CODEGRP-MCTI
VER:CODEGRP-MRTI
VER:CODEGRP-PRTI
VER:RTGLIST

ID VER:RTNR-CSCI
 WORK CENTER.. MAC, MOC
 GENERIC 4E26 and later
 APPLICATION .. 4E - Proprietary
 TYPE Output

1. FORMAT

VER:RTNR;OPT(CSCI); CSCI a,
 VSA b, RPI [c], OSCSCI [d],
 S1 [e],S2 [f],S3 [g],S4 [h],S5 [i],S6 [j],S7 [k],S8 [l],S9 [m],S10 [n],
 AD1 [o],AD2 [p],

CSC q,	CSC PREF r,	CSC P/A [s],	TG CSC P/A [t],
.	.	.	.
.	.	.	.
.	.	.	.

2. REASON FOR OUTPUT

Outputs the Circuit Selection Capability (CSC) preference mapping for an input CSC Index (CSCI).

3. VARIABLE FIELD DEFINITIONS

- a Circuit Selection Capability Index (CSCI) number (0-31).
- b Via selection algorithm:
 DEF — Default.
 STCK — Stick.
- c Routing Pattern Identity (RPI) number (1-31).
- d Overflow Circuit Selection Capability Index (OSCSCI) number (0-31).
- e Spare field 1:
 Y
- f Spare field 2:
 Y

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g	Spare field 3: Y
h	Spare field 4: Y
i	Spare field 5: Y
j	Spare field 6: Y
k	Spare field 7: Y
l	Spare field 8: Y
m	Spare field 9: Y
n	Spare field 10: Y
o	Additional Data 1, (1-31).
p	Additional Data 2, (1-31).
q	Circuit Selection Capability (CSC) (CSC1-CSC7).
r	Preference level: DC — Don't care. PF1 — Preference level 1. PF2 — Preference level 2. RQ — Required.
s	CSC status: A — Absence. P — Presence.
t	CSC trunk group status: A — Absence. P — Presence.

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Use pursuant to Company Instructions.

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENT
IOCPPVR4
VRFYOUT
VRFYRTNR

Input Message
VER:RTNR-CSCI

ID VER:RTNR-MSI
 WORK CENTER.. MAC, MOC
 GENERIC 4E27R2 and later
 APPLICATION .. 4E
 TYPE Output

1. FORMAT

VER:RTNR;OPT (MSI):

MSI	SST
LITE,	aaaa,
CLCM,	aaaa,
CLC,	aaaa,
CLCP,	aaaa,
GOLD,	aaaa,
PLT,	aaaa,
IVS,	aaaa,

2. REASON FOR OUTPUT

To display the signaling service types (SSTs) assigned for each market segment index (MSI).

3. VARIABLE FIELD DEFINITIONS

a Service signaling type:

CLC	— 800 Class of Service Classic.
CLCM	— 800 Class of Service Classic-.
CLCP	— 800 Class of Service Classic+.
GOLD	— 800 Class of Service GOLD.
GSDN	— Global Software Defined Network (SDN).
GSDNK	— Global SDN KEY.
LDS	— Long Distance Service.
LITE	— 800 Class of Service Lite.
MEGK	— MEGACOM Key Service.
OMEG	— OUTWATS of MEGACOM Service.
PLT	— 800 Class of Service PLATINUM.
REACH	— REACH.
RECHK	— REACH-KEY.
SDCSR	— Switched Digital International - Carrier Specific Routing.
SDN	— SDN.
SDNK	— SDN KEY.
SDS	— Switched Digital Service.
SP1	— Software defined network (SDN) digital radio avoidance routing (SDN-DRAR) no key.
SP2	— SDN digital radio avoidance routing (SDN-DRAR) key.
SST1	— SDN digital radio avoidance routing (SDN-DRAR) nokey.
SST2	— SDN digital radio avoidance routing (SDN-DRAR) key.

SEE PROPRIETARY NOTICE ON COVER PAGE

- SST4 — Revised OPAL = ROPAL.
- SST5 — Transmitted Noise Reduction (TNR)/ROPAL.
- SST9 — TNR.
- SST10 — Global Software Defined Data Network - GSDDN.
- SST11 — Network Access interruption (NAI) 3A - Redirect.
- SST12 — Reseller Carrier Connect.
- SST13 — 2 Network Control Point (NCP)/Centralized Alternate Destination Call Redirection (CADCR) Service Assist and Handoff.
- SST14 — Leave-A-Messae (LAM).
- SST15 — Calling Party Pays Airtime (CALIPER) Ph2.
- SST16 — Dialed Number Identification Service Delivery to TELLME Platform.
- SST21 — Carrier Identification Code (CIC) based resell.
- SST22 — AT&T International Wholesale Service.

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
IOCPIMC4
IOCPMCP4
IOCPPVR4
VRFYCNTL
VRFYINPT
VRFYOUT
VRFYRTNR

Input Message
VER:RTNR-MSI

SEE PROPRIETARY NOTICE ON COVER PAGE

ID VER:SD
WORK CENTER.. MAC, MOC
GENERIC 4E25 Rel. 4 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:SD:

SDIAMINT	SDREQUERY	SDGUARD	SDCONG_ALG	
a	b	c	d	
GDINTERV	SDQGDTHRES	SPRGDTHRES	QRYTIMR	REQRYTIMR
e	f	g	h	i
ASTNQTIMR	SPRESPTIMR	SPQRYTIMR	QRYGDTIMR	RESGDTIMR
j	k	l	m	n

TRANSITION STATUS INDICATORS

o, o, o, o, o, o, o, o, o, o, o, o, o, o, o, o,
•
•
•

TARGET STATUS INDICATORS

p, p, p, p, p, p, p, p, p, p, p, p, p, p, p, p,
•
•
•

2. REASON FOR OUTPUT

The output is in response to the VER:MISC-SD input message. This message displays the miscellaneous data associated with the Segmentation Directory (SD).

3. VARIABLE FIELD DEFINITIONS

a	Indicates whether the incoming Direct Link Node (DLN) will intercept incoming Initial Address Messages (IAMs) and generate SD queries.
	ON
	OFF

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Use pursuant to Company Instructions.

- b Indicates whether the switch attempts to requery the SD if the SD query timer expires prior to the switch receiving an SD response message.
ON
OFF
- c Indicates if guard timing is to be used to alert network operations to excessive post dial delay incurred under the SD mode of operation.
ON
OFF
- d Indicates the type of congestion algorithm to be used:
EXP — Expansive
PRO — Protective
- e Guard timing expiration interval (6000-180000, in 6000 centiseonds increments).
- f Alerting threshold for comparing SD query guard timer expires (0-1000, in increments of 10).
- g Alerting threshold for comparing Service Processor (SP) response guard timer expires (0-1000, in increments of 10).
- h SD query timer (50-400, in 10 centiseonds increments).
- i SD requery timer (50-400, in 10 centiseonds increments).
- j SD query timer in Alternate Signaling Transport Network (ASTN) condition (50-600, in 10 centiseonds increments).
- k SP response timer (50-500, in 10 centiseonds increments).
- l SP query timer (50-500, in 10 centiseonds increments).
- m SD query guard timer (5-400, in 1 centiseonds increments).
- n SP response guard timer (25-500, in 1 centiseonds increments).
- o Identifies the SD transition status indicators that are set to SD Mode Of Operation (SMO):
00 — BLDS_PCP status indicator.
01 — Plain Old Telephone Service (POTS) transition type indication.
02 — Software Defined Network (SDN) transition type indication.
03 — Switch Digital Service (SDS) transition type indication.
04 — Universal Subscriber Data Structure (USDS) transition type indication.

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- 05 — Positive Call Processing (PCP) cellular transition type indication.
- 06 — QuietHear transition type indication (4E23R4-4E25R4).
- 07 — Government Emergency Telecommunications Service (GETS) transition type status indication.
- 08 — Switched Digital International Inbound (SDI-I) transition type status indication.
- 09 — Global Software Defined Network Inbound (GSDN-I) transition type status indication.
- 10 — Carrier solutions transition type status indication.
- 11 — SDN dial around transition type status indication.
- 12 — PCP dial around transition type status indication.
- 13-63 — Spare status indicators reserved for future use.
- p Identifies the SD transition states that are set to Permanent SD Mode of Operation (PSMO):
- 00 — BLDS_PCP status indicator.
- 01 — Plain Old Telephone Service (POTS) transition type indication.
- 02 — Software Defined Network (SDN) transition type indication.
- 03 — Switch Digital Service (SDS) transition type indication.
- 04 — Universal Subscriber Data Structure (USDS) transition type indication.
- 05 — Positive Call Processing (PCP) cellular transition type indication.
- 06 — QuietHear transition type indication (4E23R4-4E25R4).
- 07 — Government Emergency Telecommunications Service (GETS) transition type status indication.
- 08 — Switched Digital International Inbound (SDI-I) transition type status indication.
- 09 — Global Software Defined Network Inbound (GSDN-I) transition type status indication.
- 10 — Carrier solutions transition type status indication.
- 11 — SDN dial around transition type status indication.
- 12 — PCP dial around transition type status indication.
- 13-63 — Spare status indicators reserved for future use.

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4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
VRFYMISC
VRFYOMSC

Input Message
VER:MISC-SD

1. FORMAT

2. REASON FOR OUTPUT

3. VARIABLE FIELD DEFINITIONS

- #### 4. ACTION TO BE TAKEN

5. REFERENCES

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

4ESS
4B000-01AC

VER:SERVICE;OPT(SRVC)

Translation Guide, 4ESSTM, TG-4, Division 8, Section 6ag

Input Message
VER:SERVICE

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:SUBUTP-XTSIS
WORK CENTER.. MAC, MOC
GENERIC 4E22 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:SUBUTP,OPT(XTSISPU): XTSI MEMN a, SPUN b,

	SPC0	SPC1
HYBLS	c,	c,
NMTCH	d,	d,
TONDIS	e,	e,

2. REASON FOR OUTPUT

Outputs the Signal Processing Unit (SPU) echo canceler data for the requested Expanded Time Slot Interchange (XTSI) SPU.

3. VARIABLE FIELD DEFINITIONS

- a Member Number of an Expanded Time Slot Interchange (XTSI) (2-62, even numbers only).
- b Signal Processing Unit Number (SPUN) (0-9).
- SPC0 Switching and Permuting circuit 0
- SPC1 Switching and Permuting circuit 1
- c Echo canceler hybrid return loss (in db.) (0-6).
- d Echo canceler noise matching:
 DISAB — Disabled
 ENAB — Enabled
- e Echo canceler tone disabler:
 NONE — Disable echo canceler tone disabler.
 PI — Disable echo cancellation upon detection of a 2100Hz tone with or without phase reversal (phase independent).
 PR — Disable echo cancellation upon detection of a 2100Hz tone with phase reversal.

4. ACTION TO BE TAKEN

None.

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4ESS
4B000-01AC

VER:SUBUTP;OPT(XTSISPU)

5. REFERENCES

PIDENTs
VRFYCNTL
VRFYMISC
VRFYOUT

Input Message
VER:VFUNC-XTSISP

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:TRK-USEC
WORK CENTER.. MAC, MOC
GENERIC 4E19 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:TRK;OPT(USEC)

TAN				U S E C				
TSI	SPC	LVL	FTS	TYPE	SCS PAD	IPA FRAME	LAN SHELF	ECLI
aa,	b,	c,	ddd,	e,	ff,	ggg,	h,	i,
.								
.								
.								

2. REASON FOR OUTPUT

To verify the correlations of the Trunk Appearance Number (TAN) to the Universal Services Echo Canceler (USEC) contained in the translators.

3. VARIABLE FIELD DEFINITIONS

- | | |
|---|--|
| a | TAN frame. |
| b | TAN Switching and Permuting Circuit (SPC). |
| c | TAN level. |
| d | TAN channel. |
| e | USEC type (long or short term). |
| f | Packet assembler / disassembler or Service Circuit System (SCS) member number. |
| g | USEC frame number or internet protocol address. |
| h | USEC shelf number or Local Area Network (LAN) the USEC is connected to. |
| i | USEC Echo Canceler Line Interface (ECLI) card number. |

4. ACTION TO BE TAKEN

None.

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

5. REFERENCES

PIDENTs
IOCPIMC4
IOCPMCP4
IOCPPVR4
VRFYCNTL
VRFYINPT
VRFYOUT
VRFYTRK

Input Message
VER:TRK-USEC

ID VER:TRK-XSPU
 WORK CENTER.. MAC, MOC
 GENERIC 4E22 and later
 APPLICATION .. 4E - Proprietary
 TYPE Output

1. FORMAT

VER:TRK;OPT(XSPU)

TAN										
TSI	SPC	LVL	FTS	HYBLS	NMTCH	TONDIS	TVTYP	SPUN	SPUDG	
a,	b,	c,	d,	e,	f,	g,	h,	i,	j,	
.										
.										
.										

2. REASON FOR OUTPUT

Outputs the Trunk Appearance Number (TAN) to Expanded Time Slot Interchange (XTSI) Signal Processing Unit (SPU) echo canceler assignment.

3. VARIABLE FIELD DEFINITIONS

- a Time Slot Interchange (TSI) (00-63).
- b Switching and Permuting Circuit (SPC) (0-1).
- c Level (LVL) (0-7).
- d First Time Slot (FTS) (000-127).
- e Echo canceler hybrid return loss (0-6) in decibels (db).
- f Echo canceler noise matching:
 DISAB — Disabled.
 ENAB — Enabled.
- g Echo canceler tone disabler:
 NONE — Disable echo canceler tone disabler.
 PI — Disable echo cancellation upon detection of a 2100Hz tone with or without phase reversal (phase independent).
 PR — Disable echo cancellation upon detection of a 2100Hz tone with phase reversal.

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- h AT&T TrueVoice® (TV) type:
ENH — Enhanced TV enabled.
NONE — TV disabled.
TONLY — Tone only TV enabled.
- i Signal Processing Unit Number (SPUN) (0-9).
- j Signal Processing Unit Di-Group (SPUDG) (0-8).

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
VRFYCNTL
VRFYOUT
VRFYTRK

Input Message
VER:TRK-TAN

ID VER:TRK-XTSPUDG
 WORK CENTER.. MAC, MOC
 GENERIC 4E22 and later
 APPLICATION .. 4E - Proprietary
 TYPE Output

1. FORMAT

VER:TRK;OPT(XTSPUDG)

SPUN	SPUDG	HYBLS	NMTCH	TONDIS	TVTYP	TAN			
						TSI	SPC	LVL	FTS
a,	b,	c,	d,	e,	f,	g,	h,	i,	j,
.									
.									
.									

2. REASON FOR OUTPUT

Outputs the Expanded Time Slot Interchange (XTSI) Signal Processing Unit (SPU) per call control echo canceler to Trunk Appearance Number (TAN) assignment.

3. VARIABLE FIELD DEFINITIONS

- a Signal Processing Unit Number (SPUN) (0-9).
- b Signal Processing Unit Di-Group (SPUDG) (0-8).
- c Echo canceler hybrid return loss (0-6) in decibels (db).
- d Echo canceler noise matching:
 DISAB — Disabled.
 ENAB — Enabled.
- e Echo canceler tone disabler:
 NONE — Disable echo canceler tone disabler.
 PI — Disable echo cancellation upon detection of a 2100Hz tone with or without phase reversal (phase independent).
 PR — Disable echo cancellation upon detection of a 2100Hz tone with phase reversal.
- f AT&T TrueVoice® (TV) type:
 ENH — Enhanced TV enabled.
 NONE — TV disabled.
 TONLY — Tone only TV enabled.

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 Use pursuant to Company Instructions.

- g Time Slot Interchange (TSI) (00-63).
- h Switching and Permuting Circuit (SPC) (0-1).
- i Level (LVL) (0-7).
- j First Time Slot (FTS) (000-127).

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
VRFYCNTL
VRFYMISC
VRFYOUT

Input Message
VER:VFUNC-XTSPUDG

ID VER:TRK-XTUNASPU
 WORK CENTER.. MAC, MOC
 GENERIC 4E22 and later
 APPLICATION .. 4E - Proprietary
 TYPE Output

1. FORMAT

VER:TRK,OPT(XTUNASPU):

TSIMN	TSISPC	SPUN	HYBLS	NMTCH	TONDIS	TVTYP	NUM DG
a,	b,	c,	d,	e,	f,	g,	h,
.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.

2. REASON FOR OUTPUT

Outputs the number of Expanded Time-Slot Interchange (XTSI) Signal Processing Unit (SPU) per call control echo canceler Di-Groups available for assignment.

3. VARIABLE FIELD DEFINITIONS

- a Time Slot Interchange Member Number (TSIMN) (0-63).
- b Time Slot Interchange Switching and Permuting Circuit (TSISPC) (0-1).
- c Signal Processing Unit Number (SPUN) (0-9).
- d Echo canceler hybrid return loss (in db.) (0-6).
- e Echo canceler noise matching:
 DISAB — Disabled
 ENAB — Enabled
- f Echo canceler tone disabler:
 NONE — Disable echo canceler tone disabler.
 PI — Disable echo cancellation upon detection of a 2100Hz tone with or without phase reversal (phase independent).
 PR — Disable echo cancellation upon detection of a 2100Hz tone with phase reversal.

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- g AT&T TrueVoice® (TV) type:
ENH — Enhanced TV enabled.
NONE — TV disabled.
TONLY — Tone only TV enabled.
- h Number of Di-Groups available for assignment (0-9).

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
VRFYCNTL
VRFYMISC
VRFYOUT

Input Message
VER:VFUNC-XTUNAS

ID VER:TSG-TSGSPU
WORK CENTER.. MAC, MOC
GENERIC 4E22 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:TSG, OPT(TSGSPU) :

BTFN TOWN ST BL FBS NBS

TSG aaaa bbbb cc dd eee fff,

QTRK	FTFN	TAN				SPU		HYBLS	NMTCH	TONDIS	TVTYP	STATUS
		TSI	SPC	LVL	FTS	N	DG					
g,	h,	i,	j,	k,	l,	[m,]	[n,]	[o,]	[p,]	[q,]	[r,]	s,
.	.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.	.

2. REASON FOR OUTPUT

Outputs the trunks associated with a specific trunk subgroup. The input specifies the Circuit Identification Name (CIN) of the trunk subgroup. Output data included in this form consists of blocks of trunks by traffic number plus the Trunk Appearance Number (TAN) assignment, Signal Processing Unit (SPU) echo canceler parameters, TrueVoice® capabilities, and status.

3. VARIABLE FIELD DEFINITIONS

- a Base traffic number (BTFN) of Trunk Subgroup (TSG) (0 - 9976).
- b TOWN, a four character alphabetic combination representing the town, city or location for the far end of the trunk sub-group.
- c ST, the state is a two character alphabetic code for the far end state, province or foreign country.
- d BL, Contains the office identity for the far end of the trunk sub-group. The code may be either two alphabetic or two numeric characters. Independent telephone company locations are always designated by an X plus some alpha character in this field. If the trunk sub-group terminates in a customer's building and it is not necessary to identify that particular building, this code may be arbitrary.
- e FBS, a three character alphanumeric code for internal building identification.
- f NBS, identifies the internal building subdivision for the near end of the trunk sub-group. It is a three character alphanumeric combination.

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g	Quantity of Trunks (1-120).
h	First traffic number (0-9999).
i	Time Slot Interchange (TSI) (0-63).
j	Switching and Permuting Circuit (SPC) (0-1).
k	Level (0-7).
l	First Time Slot (FTS) (0-127).
m	Signal processing unit number (0-9).
n	Signal processing unit Di-Group number (0-8).
o	Echo canceler hybrid return loss (in db.) (0-6).
p	Echo canceler noise matching: DISAB — Disabled ENAB — Enabled
q	Echo canceler tone disabler: NONE — Disable echo canceler tone disabler. PI — Disable echo cancellation upon detection of a 2100Hz tone with or without phase reversal (phase independent). PR — Disable echo cancellation upon detection of a 2100Hz tone with phase reversal.
r	AT&T TrueVoice® (TV) type: ENH — Enhanced TV enabled. NONE — TV disabled. SADC — iPCC Universal Service Echo Canceler controlled TrueVoice® TONLY — Tone only TV enabled.
s	Status: ASN — AT&T Switched Network CAD — Circuit assigned digital MTC — Maintenance UNA — Unassigned

4. ACTION TO BE TAKEN

None.

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

4ESS
4B000-01AC

VER:TSG;OPT(TSGSPU)

5. REFERENCES

PIDENTs
VRFYCNTL
VRFYOUT
VRFYTSG

Input Message
VER:TSG-SPU

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:USDST
WORK CENTER.. MAC, MOC
GENERIC 4E21 Rel. 4 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:USDST;

SP TIMER aaa
DF TIMER bbb

2. REASON FOR OUTPUT

Verifies the two Universal Subscriber Data Structure (USDS) timers.

3. VARIABLE FIELD DEFINITIONS

- | | |
|---|--|
| a | The amount of time (in centiseconds, 100-200) that the switch will wait for a query from the USDS Shared Directory Function (SDF) prior to timing out. |
| b | The amount of time (in centiseconds, 100-200) that the switch will wait for a response after sending a query to the USDS Query Process Function (QPF). |

4. ACTION TO BE TAKEN

None.

5. REFERENCES

PIDENTs
IOCPIMC4
VRFYCNTL
VRFYINPT
VRFYMISC

Input Message
VER:USDST

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.

ID VER:USEC-SADC
WORK CENTER.. MAC, MOC
GENERIC 4E19 and later
APPLICATION .. 4E - Proprietary
TYPE Output

1. FORMAT

VER:USEC

	SCS	U S E C	LAN			TAN	
TYPE	PAD	FRAME	SHELF	ECLI	TSI	SPC LVL	FTS
a,	bb,	ccc,	d,	e,	ff,	g, h,	iii,
.							
.							
.							

2. REASON FOR OUTPUT

To verify the correlations of the Trunk Appearance Number (TAN) to the Universal Services Echo Canceler (USEC) contained in the translators.

3. VARIABLE FIELD DEFINITIONS

- a USEC type (long or short term).
- b Packet assembler / disassembler or Service Circuit System (SCS) member number.
- c USEC frame number or internet protocol address.
- d USEC shelf number or Local Area Network (LAN) to which the USEC is connected.
- e USEC Echo Canceler Line Interface (ECLI) card number.
- f TAN frame.
- g TAN Switching and Permuting Circuit (SPC).
- h TAN level.
- i TAN channel.

4. ACTION TO BE TAKEN

None.

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Use pursuant to Company Instructions.

5. REFERENCES

PIDENTs
IOCPIMC4
IOCPMCP4
IOCPPVR4
VRFYCNTL
VRFYINPT
VRFYOUT
VRFYTRK

Input Message
VER:USEC-SADC

LUCENT TECHNOLOGIES – PROPRIETARY
Use pursuant to Company Instructions.