URGENT INSTRUCTION SUPPLEMENT
EARTHQUAKE PROTECTION AND DISASTER BRACING
FOR CENTRAL OFFICE AND PBX POWER EQUIPMENT

1. GENERAL

1.1 It is the purpose of this UIS to provide installation with information pertaining to the clearance between batteries, guard rails and restrainers for batteries installed on battery stands per ED-82088-70. These stands are specifically designed for earthquake areas but are now replaced by a new design ED-82088-72. ED-82088-70 is being rated Manufacture Discontinued. ED-82088-72 is being updated to provide clearance requirements.

2. INSTRUCTIONS

2.1 The threaded rods used as restrainers between batteries are provided in special lengths depending upon shelf width. When properly installed to the brackets on the guard rails, they should only be tightened sufficiently, using the locking nuts, to hold in place should the cells move under emergency conditions. The guard rails would thus remain parallel and not be pulled in against the cells. The "Cut-to-Fit" Note 2 refers only to the rubber molding on the guard rails and not to the tubing on the threaded rods or to threaded rod themselves.

2.2 The only condition under which these threaded rods would be cut in the field would be if one of the guard rails is moved to accommodate smaller battery cells. In this case, the length of rod left after the nut is in place may exceed the allowable dimension. However, the nuts should still not be tightened sufficiently to deform the bracket or the guard rails.

2.3 As to dimensional clearance between cells and restrainers, this is determined somewhat by the intercell connectors. These connectors space the cells along the shelves such that, when the restrainers are placed between cells with tubing thereon, there should be approximately .125" free space on both sides. This dimension, as well as the dimension between the cell and the guard rail, may vary due to variations in cell manufacture. However, there should never be pressure put on the side of a cell to restrain it. This defeats the purpose of earthquake bracing.

Engineering Planning Manager
Common Installation and Services

NOTICE - NOT FOR USE OR DISCLOSURE OUTSIDE THE BELL SYSTEM EXCEPT UNDER WRITTEN AGREEMENT

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