

AMA - CAMA ADDITIONS

BASIC INFORMATION

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1. GENERAL

1.1 This section includes basic information regarding additions to AMA or CAMA equipment in crossbar offices.

1.2 Table 1 lists the AMA equipment involved when adding equipment to various types of crossbar offices.

1.3 General precautions listed in Section 0 of this handbook are to be adhered to at all times.

1.4 For reference purposes, the following is a list of general information B.S.P.'s for the various crossbar systems.

X-63915 No. 5 Crossbar System AMA Features.

AA.241.601 No. 1 Crossbar System AMA Features.

972.010.01 Crossbar Tandem System CAMA Features

1.5 AMA transition principally involves adding various connectors and the associated multiple to working equipment. Complex transition steps such as encountered on the district junctor redistribution and sender link multiple rearrangement in No. 1 crossbar offices generally will not be found in AMA additions.

2. PLANNING AND SEQUENCE

2.1 Similar information is included in Section 0 and 1 of this handbook.

2.2 The sequence of operations for AMA additions is not as important as that for basic crossbar switching equipment. Therefore, the sections in the AMA portion of this handbook need not be followed in numerical order.

3. MISCELLANEOUS ITEMS

3.1 As far as practicable, all tests as specified are to be performed on the new equipment before it is added to the working equipment. Where it is not feasible to make supplementary or operational tests, a thorough continuity and cross check per Handbook 50, Section 2 should be made.

3.2 The following "make busy" information may be helpful in analyzing the scope of the transition plan in regard to work load.

3.21 The master timing frame can be made busy on a half frame basis. For example, if a recorder preference relay is to be added the odd or even timer may be made busy by operating the CMBO or CMBE key, respectively.

3.22 The transverters are made busy by inserting make busy plugs at the master test frame, lamp and jack bay on the No. 5 office or the trouble indicator in other offices. Usually, only one transverter at a time should be made busy.

3.23 The recorders are made busy by first, making busy the individual trunks associated with this recorder. Then inserting a make busy plug into the associated make busy jack of the recorder. The opposite procedure is used for returning the recorder to service.

3.24 The perforators and the call identity identifier are made busy by making the associated recorder busy as specified in Paragraph 3.23.

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Table 1 attached.

Equipment Added	Equipment Affected	Brief Outline of Work Performed
XBar Tandem		
Incoming Trunks	Call Identity Indexer	Add Approx. Four Leads Per Trunk to C11 Multicontact Relays in the Unequipped Positions
Call Identity Indexer, Recorder and Perforator	Recorder Connector and Master Timer	Connect Emergency Recorder, Transverter, and Master Timing Multiple to New Recorder and add Recorder Relays in Master Timer
Tandem Sender	Transverter Connector Position Links	Connect Sender Leads to Sender Multicontact Relays on Connector and Add Senders on Position Links in Required Unassigned Location
Position Links	Position Circuits	Multiple Position Circuits to Include New Position Links
Transverter	Recorder, Transverter, and Billing Indexer Connectors	Add New Transverter Multiple to Transverter and Recorder Connectors and Extend Billing Indexer Multiple to New Transverters
Billing Indexer	Billing Indexer Connector	Add New Billing Indexer Multiple to all Transverters
No. 1 XBar		
Line Links	District Group Connector, Translator	Add Required Translator Frames and Extend Transverter Multiple to New Translator Frames Add District Group Connectors and Rearrange Grouping Multiple Similar to Junctor Grouping Frame Rearrangement
Subscriber Sender Link and Subscriber Sender	Sender Sub Group Transverter Connectors	Add multicontact relays on the connectors or new connector unit
District Junctors	District Identifier, Recorder	Add Four Leads to District Identifier at unassigned Location and One Lead Per Junctor to Existing Recorder
Recorder	Transverter, Master Timer	Connect Emergency Recorder, Transverter and Master Timing Multiple to New Recorder and Add Recorder Relays to Master Timer
Transverter	Transverter and Recorder Connector, Maint. Recorder	Add New Transverter Multiple to Existing Transverter, Recorder Connectors and Leads to Maintenance Recorder
No. 5 XBar		
Intra-Office and Outgoing Trunks	Call Identity Indexer	Add Approx. Four Leads Per Trunk to Unassigned Positions to Call Identity Indexer Unit
Outgoing Sender	Transverter Connector	Add Multicontact Sender Relays on Transverter Connector or Add New Connector Unit
Line Links	Translators	Extend Translator Transverter Multiple and Chain Circuit to New Translator Frames required by Additional Line Link Frames
Translators	Transverters	Add Required Relays in Transverters
Transverters	Recorder and Transverter Connector	Add New Transverter Multiple to Recorders and Transverter Connectors

TABLE 1