

CENTREX SERVICE

NO. 5 CROSSBAR CENTREX WITH 608A CORD SWITCHBOARDS WITH SINGLE AND NORMAL CORD OPERATION FOR THE ATTENDANT FACILITIES

GENERAL

Planning is in progress for the necessary development effort to modify 608A cord switchboards for use as the attendant facilities with a No. 5 crossbar Centrex office of the type described in Section 2-a. This section will discuss the traffic engineering considerations of the anticipated differences in the No. 5 crossbar equipment required for operation with 608A cord switchboards with release loop operation from those required for operation with 622A consoles.

Proposed Method of Operation

The basic difference between 622A consoles and 608A cord switchboards as the attendant facilities is the ability in the latter to complete calls with single or normal cord pair operation. Listed number and transfer calls to be completed to extensions within the No. 5 crossbar office can be completed with single cord operation. The attendant can answer with a back cord and then key pulse the extension number back over the back cord. Upon extension answer, the cord can be taken down. Calls to be completed to other than extensions in the No. 5 crossbar can be handled with normal cord pair operation.

Attendant Trunks

As in console operation, these trunks will route listed number, transfer, and "0" assistance calls to the attendant. However, these trunks will not require a line link frame appearance. The attendant will normally complete listed number and transfer calls on a single cord basis. Assistance calls will be completed with normal cord pair operation. If necessary, listed number and transfer calls can be completed with normal cord pair operation. Dial "0" and transfer calls will flash the trunk lamp at 120 IPM. Listed number calls will light the trunk lamp with a steady signal.

OGT to CO Lines

A group of dial originating lines will be required at the 608A cord switchboard for the attendant's use in completing assistance calls. These lines will appear on line link frame locations which are arranged for access to the MF originating register group. Some of these lines may be given a WATS class-of-service.

Attendant Local Completion Lines

Four or five-digit completing trunks will be required to enable attendants to complete incoming calls from FX and tie lines to extensions in the No. 5 crossbar local office. These same trunks are also required to set up conference calls. These trunks will originate at the 608A cord switchboard and terminate on incoming locations on trunk link frames.

Tie Lines — FX Lines

Tie lines and FX lines may be terminated on jacks on the 608A cord switchboard. If the attendant is to use these lines for outgoing service, MF to DP converters will be required. These lines may have line link frame appearances for incoming service and trunk link frame appearances for dial selection. Ringdown tie lines are also possible.

Call Distributor

A call distributor is not required when 608A cord switchboards are used for the attendant facilities. Attendant trunks are multiplied throughout the cord switchboard.

Other No. 5 Crossbar Items of Equipment

Development planning for No. 5 crossbar Centrex with 608A cord switchboards for attendant facilities is still in progress. However, traffic engineering considerations for line link frames, trunk link frames, incoming trunks, and other items of common control equipment will probably be the same as those required for operation with 622A attendant consoles.