

MARKER ADDITIONS

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1. GENERAL

- 1.1 This section covers the marker changes that result when various equipment is added to a working office.
- 1.2 Marker additions due to circuit modifications are not covered in this section. Detailed information is furnished with these type changes in the job specification and in detail change sheets.
- 1.3 Cross connection changes are not covered in this section. This information is either found in other sections involving added equipment in respect to the markers or is supplied by the operating companies.
- 1.4 The marker changes should be made during the early portion of the job so that the markers will be ready to operate with the new equipment at the time it is added.
- 1.5 Only one marker at a time is required to be out of service in most instances.

2. ORIGINATING MARKER

2.1 Table 1 is a list of the possible relay equipment to be added to the originating marker when adding associated equipment to an office.

TABLE 1

Equipment and Frame Additions	Marker Frame Additions
Office Link Frames	One office frame relay per two frames
District Link Frames	One district frame lock relay each
When Junctor Distribution pattern involves 6, 8, 12 to 20 frame and 8, 12 to 18 frames	Pattern Relays Pattern Aux Relays
Sender Test Frame	Sender test connector relay
Additional Class of Service	(S) class of service relays
Additional Routes	Route relays

TABLE 2

Equipment and Frame Additions	Marker Frame Additions
11 or more incoming link frames	F10 relay
Number Group Frame	FH, FHB, SH, relays
Line Choice Connector	Line choice connector relays
Incoming Junctor Distribution involves 6 Incomings 7 or 8 Incomings 9 Incomings 2 " " 4 thru 9 Incomings	XP, JPN & JPO & 1 relay XP, JPN & JPO to 3 relays XP, JPN & JPO to 8 relays A, B, C and E relays A and E relays

TABLE 3

Equipment and Frame Additions	Marker Frame Additions
Trunk Link 5 to 9 or 15 to 19 Trunk Link 10 to 19	FA 5 relay F10, F00 relay
Trunk groups divided into subgroups	GPOA to GPOD relays & GP1A to GP1D relays
Office extension frames	TL10, TL14, XTL3 relays
Office Link Frames	OSO-9 relays (1 per two office frames) IF 0-19 relays and JC relays
Junctor Distribution arranged for 2, 4 6 or 8 frames	CBA1 to CBA5 and CBB1 to CBB5 relays
Junctor Distribution arranged for 6, 8 or 12 to 20 frames	P1 to P13 and XP relays
Junctor Distribution arranged for 8 or 12 to 18 frames	PA0 to PA4 relays
Over six Marker Connector frames	CBS relay.

3. TERMINATING MARKER

3.1 Table 2 lists the possible relay equipment to be added to the terminating marker when adding associated equipment to an office.

4. TANDEM MARKER

4.1 Table 3 lists the possible relay equipment to be added to the tandem marker when adding associated equipment to an office.

Engineer of Installation