TRAFFIC ORDER WORKSHEETS—MISCELLANEOUS FRAME AND PERIPHERAL DECODER PACKS NETWORK SWITCHING ENGINEERING NO. 3 ELECTRONIC SWITCHING SYSTEM

1. GENERAL

1.01 This section contains the worksheets that are necessary to estimate the number of miscellaneous frames required in either engineering of initial offices or additions to existing offices. A verification is also made on the adequacy of peripheral decoder packs for circuits mounted on the miscellaneous frame.

1.02 This section is reissued to include additional test lines and miscellaneous circuits designed for installation on the miscellaneous frames.

1.03 References in this section to methods, planning, data requirements, service levels, and equipment quantities are based on American Telephone and Telegraph Company recommendations.

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NO. 3 ESS
TRAFFIC ORDER WORKSHEET

E. MISCELLANEOUS FRAME AND PERIPHERAL DECODER PACKS

1.0 Miscellaneous Frame

1.1 *Miscellaneous Frame Units*

A	B	C	D	E	F	G	H	I	J	K
		NO. NETWORKS X 1			C+D+E	B–F		GXH		GXJ
UNIT (SD)	UNITS REQD	UNITS PROVIDED ON NETWORK FRS	UNITS PROVIDED ON CF0	UNITS PROVIDED ON CF1	TOTAL UNITS ON NET. & CF'S	MISC FRAME UNITS	MOUNTING PLATES SPACES/UNIT	MOUNTING PLATES REQD	PERIPHERAL DECODER PACKS/UNIT	PERIPHERAL DECODER PACKS REQD
CDPR/RR (3H410)			‡		¶					
TT Receiver (3H401)							3		0	0
MF Transmitter (3H404)			1	1			2		1 1/2	
DP Transmitter (3H403)							2		1 1/2	
MF Receiver (3H402)							2		1/8	
Superimposed Ringing (3H406)							2		1 1/2	
Combination Unit (3H411) †			1	1			2		0	0
Universal Trks (3H220)			‡	§			4		3	
Noise Immunity Line Ckt (3H208)							2		2	
DTF Line Ckt (3H205)							2		3/4	
Distribute Point Applique Ckt (3H911)							1		1/2	
Scanner Applique (1A210)							1		0	0
7-A Announcement Machines							5 1/2		0	0
13-A Announcement Machines							5		0	
Mini-ROTL							4		0	
TTY Controller							4		0	
High Tone							1		1	
100-Type Test Line							2		0	
103-Type Test Line							2		0	
Power Alarm							1		0	
Data Interface Unit							4		0	
TOTAL										

† This unit contains tone and announcement, coin control, conference, and remote recording of announcement circuits.

‡ CFO - In addition to the standard units, CFO can have the following units mounted:

1. One universal trunk unit and one one CDPR/RR unit, or

2. A total of three CDPR/RR units.

§ CF1 - In addition to the standard units, CF1 can have one universal trunk unit mounted.

¶ The CDPR/RR unit cannot be mounted on the miscellaneous frame. The total CDPR/RR units provided on the network frame and control frame are greater than or equal to the CDPR/RR units required.

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E. MISCELLANEOUS FRAME AND PERIPHERAL DECODER PACKS

1.0 Miscellaneous Frame (Contd)

1.2 *Miscellaneous Frames Required*

a.	Total mounting plates (E1.1, Total Column I)		
b.	10% allowance for assignment	+	*
c.	Total mounting plates required	=	
d.	Number of mounting plates per miscellaneous frame	÷	34
e.	Miscellaneous frames required	=	*

2.0 Peripheral Decoder Packs

a.	Total peripheral decoder packs required (E1.1, Total Column K)		
b.	Additional peripheral decoder packs required for assignment margin	+	2
c.	Total peripheral decoder packs required	=	
d.	Maximum peripheral decoder packs available for circuits mounted on miscellaneous frame		†
e.	Average number of peripheral decoder packs per miscellaneous frame (E2.0c ÷ E1.2e)		‡

* Rounded to next higher integer.

† With CFO (seven or less network frames), a maximum of 48 peripheral decoder packs may be assigned to miscellaneous frames. When CF1 is added, an additional 48 peripheral decoder packs may be assigned to miscellaneous frames for a total of 96. E2.0d must be greater than or equal to E2.0c.

‡ Maximum of 16 peripheral decoder packs can be located on a miscellaneous frame.