

## LOADING, SPACING, AND EQUIPMENT CODES FOR USE IN PREPARATION OF CIRCUIT ORDER FORM A886 (EI LINES, UTILIZATION, A3012)

### TERMS AND SYMBOLS IN GENERAL USE

TABLE 1

Symbol	Terms
≠	D or TM's control (D in LTR).
HGP	High Grade Circuit Precautions as detailed in EI, TRANS, Teles, R3010, TELES, Gen, Z5006, and INTERNAL WIRING, Stations, A3008.
SP	Screened Pair.

### LOADING AND SPACING CODES

TABLE 2

Code	Inductance	Code	Spacing	
			Miles	Km
A	6 mH	A	2.6	4.18
B	10	B	2.4	3.86
C	11	C	2.272	3.66
D	15.5	D	1.6	2.57
E	16	E	1.4	2.25
F	18	F	1.3	2.09
G	19	G	1.25	2.01
H	20	H	2.9	4.67
I	250	L	1.136	1.83
J	22	M	0.568	0.91
K	27	P	0.284	0.46
L	33	Q	1.125	1.81
M	44	R	1.715	2.76
N	88	S	2.819	4.54
P	120	T	1.2	1.93
Q	136			
R	176			
S	177			
T	24			
U	Unloaded			
V	32			
W	40			
X	54			
Y	106			
Z	Continuous			

TABLE 2A

Inductance	Code	Spacing		Code
		Miles	Km	
6 mH	A	0.284	0.46	P
10	B	0.568	0.91	M
11	C	1.125	1.81	Q
15.5	D	1.136	1.83	L
16	E	1.2	1.93	T
18	F	1.25	2.01	G
19	G	1.3	2.09	F
20	H	1.4	2.25	E
22	J	1.6	2.57	D
24	T	1.715	2.76	R
27	K	2.272	3.66	C
32	V	2.4	3.86	B
33	L	2.6	4.18	A
40	W	2.819	4.54	S
44	M	2.9	4.67	H
54	X			
88	N			
106	Y			
120	P			
136	Q			
176	R			
177	S			
250	I			
Unloaded	U			
Continuous	Z			

AUDIO EQUIPMENT CODES

TABLE 3

Code	Equipment
AA	4W Amp Thro
AH	2W Amp (Hybrid)
AM	Amp Music
AN	2W Amp (Neg Imp)
AT	4W Amp (Terminal)
AU	Amp Unit No. 2A
BU	Unit Branching No. 4A
CU	Unit Combining No. 1A
D	Unit Sig No. 7
E	Equalizer No. 7
EG1	Equalizer Group Delay (12 miles cable)
EG2	Equalizer Group Delay (19 miles cable)
EG3	Equalizer Group Delay (25 miles cable)
EG4	Equalizer Group Delay (50 miles cable)
EG5	Equalizer Group Delay (100 miles cable)
EH3	Equalizer Group Delay (3 kHz Audio Out)
EH4	Equalizer Group Delay (4 kHz Audio Out)
ETA	Equalizer Unit 14A (Temp) 21 mls SP
ETB	Equalizer Unit 14B (Temp) 8 mls Ca Ph
ETC	Equalizer Unit 14C (Temp) 12 mls Ca Ph
ETD	Equalizer Unit 14D (Temp) 16 mls Ca Ph
ETE	Equalizer Unit 14E (Temp) 20 mls Ca Ph
ET1	Equalizer 71/1A (Temp) 60 mls Ca Ph
ET2	Equalizer 71/2A (Temp) 70 mls SP
ET3	Equalizer 79/1A (Temp) 60 mls Ca Ph
ET4	Equalizer 79/2A (Temp) 70 mls SP
ET5	Equalizer 87/1A (Temp) 60 mls Ca Ph
ET6	Equalizer 87/2A (Temp) 70 mls SP
M1	PO Modem No. 1 600/1200 bits/sec
M2	PO Modem No. 2 200 bits/sec

TABLE 3A

Equipment	Code
Amp Music	AM
Amp Unit No. 2A	AU
Attenuator (x = Attenuation in dB)	PX
Echo Suppressor (N = Type number)	SN
Equalizer No. 7	E
Equalizer Group Delay (12 miles cable)	EG1
Equalizer Group Delay (19 miles cable)	EG2
Equalizer Group Delay (25 miles cable)	EG3
Equalizer Group Delay (50 miles cable)	EG4
Equalizer Group Delay (100 miles cable)	EG5
Equalizer Group Delay 3 kHz Audio Out	EH3
Equalizer Group Delay 4 kHz Audio Out	EH4
Equalizer Unit 14A (Temp) 21 mls SP	ETA
Equalizer Unit 14B (Temp) 8 mls Ca Ph	ETB
Equalizer Unit 14C (Temp) 12 mls Ca Ph	ETC
Equalizer Unit 14D (Temp) 16 mls Ca Ph	ETD
Equalizer Unit 14E (Temp) 20 mls Ca Ph	ETE
Equalizer 71/1A (Temp) 60 mls Ca Ph	ET1
Equalizer 71/2A (Temp) 70 mls SP	ET2
Equalizer 79/1A (Temp) 60 mls Ca Ph	ET3
Equalizer 79/2A (Temp) 70 mls SP	ET4
Equalizer 87/1A (Temp) 60 mls Ca Ph	ET5
Equalizer 87/2A (Temp) 70 mls SP	ET6
Panel Branching No. 2A	PB2
Panel Branching No. 4A	PB4
Panel Branching No. 5A	PB5
Panel Program No. 4	PP4
PO Modem No. 1 600/1200 bits/sec	M1
PO Modem No. 2 200 bits/sec	M2

AUDIO EQUIPMENT CODES (contd.)

TABLE 3 (contd.)

Code	Equipment
M7	PO Modem No. 7 2400 bits/sec
PB2	Panel Branching No. 2A
PB4	Panel Branching No. 4A
PB5	Panel Branching No. 5A
PP4	Panel Program No. 4
PX	Attenuator (X = Attenuation in dB)
R	500/20 Sig Unit
SN	Echo Suppressor (N = Type Number)
T	4W/2W Termination

TABLE 3A (contd.)

Equipment	Code
PO Modem No. 7 2400 bits/sec	M7
Unit Branching No. 4A	BU
Unit Combining No. 1A	CU
Unit Sig No. 7	D
2W Amp (Hybrid)	AH
2W Amp (Neg Imp)	AN
4W/2W Termination	T
4W Amp (Terminal)	AT
4W Amp Thro	AA
500/20 Sig Unit	R

GENERAL CODES FOR USE WITH TELEGRAPH CIRCUITS

TABLE 4

Code	Equipment
TB	Teleprinter Broadcast Unit
TBR	Bulb Resistor
TC	Teleprinter Conference Unit
TF	Line Filter
TL	Line Relay
TM	Monitor Relay
TNB	Connect Negative Bias
TP	Panel Telegraph No. 103A
TPB	Connect Positive Bias
TPM	Private Meter Circuit
TR	Receive Wire
TRB	Remove Bias
TRR	Regenerative Repeater
TS	Send Wire
TZC	Time-Zone Metering (Strapped for Cable Pairs)
TZV	Time-Zone Metering (Strapped for MCVF Channels)

TABLE 4A

Equipment	Code
Bulb Resistor	TBR
Connect Negative Bias	TNB
Connect Positive Bias	TPB
Line Filter	TF
Line Relay	TL
Monitor Relay	TM
Panel Telegraph No. 103A	TP
Private Meter Circuits	TPM
Receive Wire	TR
Regenerative Repeater	TRR
Remove Bias	TRB
Send Wire	TS
Time-Zone Metering (Strapped for Cable Pairs)	TZC
Time-Zone Metering (Strapped for MCVF Channels)	TZV
Teleprinter Broadcast Unit	TB
Teleprinter Conference Unit	TC

HF TRANSMISSION EQUIPMENT CODES

TABLE 5

Code	Equipment
AC	Amp Line HF
C2	Chan Equipt 2 kHz
C3	Chan Equipt 3 kHz
C4	Chan Equipt 4 kHz
C5	Chan Equipt No. 5
C12	12 cct OH Carrier
C13	12 cct CODA Carrier
C40	Chan Equipt 4 kHz O/B Sig
C80	Chan Equipt 6 kHz (60-108 kHz)
C81	Chan Equipt 6 kHz (12-60 kHz)
C82	Chan Equipt 6 kHz with combined GM (60-108 kHz)
CE	16 cct Comb Filter
CF	24 cct Comb Filter
CS1	V+1 OH Carrier
CS2	V+1 UG Carrier
CS3	V+3 OH Carrier
CS4	V+4 UG Carrier
EA	Equipt Amp and Trans
ED	Equalizer Delay
ER	Equalizer Residual
ET	Equalizer Temperature
GA	Group AGC Amp
GF	Thro Grp Filter
GM	Grp Modem 120 kHz
GT	Grp Translating
GTC	Grp Translating combined with 5 Chan Equipt 4 kHz
G8	Grp Modem 8 Ch Grp
M8	PO Modem No. 8, 48 Kbits/sec Renter's Premises
M9	PO Modem No. 9, 48 Kbits/sec PO RS
MB1	Program Carrier Equipt (EFT 31A)
MB2	Program Carrier Equipt (EFT 1014A)
PA	60 kHz AGC Amp
PM	PCM 24 cct Multiplex Equipt
PX	Attenuator (XdB)
SA	S/Grp AGC Amp
SB	Submarine Terminal
SF	Thro S/Grp Filter
SM	S/Grp Modem (60 cct)
ST	S/Grp Translating

TABLE 5A

Equipment	Code
Amp Line HF	AC
Attenuator (XdB)	PX
Chan Equipt 2 kHz	C2
Chan Equipt 3 kHz	C3
Chan Equipt 4 kHz	C4
Chan Equipt 4 kHz O/B Sig	C40
Chan Equipt No. 5	C5
Chan Equipt 6 kHz (60-108 kHz)	C80
Chan Equipt 6 kHz (12-60 kHz)	C81
Chan Equipt 6 kHz with combined GM (60-108 kHz)	C82
Equalizer Delay	ED
Equalizer Residual	ER
Equalizer Temperature	ET
Equipt Amp and Trans	EA
Grp AGC Amp	GA
Grp Modem 8 Ch Grp	G8
Grp Modem 120 kHz	GM
Grp Translating	GT
Grp Translating combined with 5 Chan Equipt 4 kHz	GTC
PCM 24 cct Multiplex Equipt	PM
PO Modem No. 8, 48 Kbits/sec Renters Premises	M8
PO Modem No. 9, 48 Kbits/sec PO RS	M9
Program Carrier Equipt (EFT 31A)	MB1
Program Carrier Equipt (EFT 1014A)	MB2
Submarine Terminal	SB
S/Grp AGC Amp	SA
S/Grp Modem (60 cct)	SM
S/Grp Translating	ST
Thro Grp Filter	GF
Thro S/Grp Filter	SF
V+1 OH Carrier	CS1
V+1 UG Carrier	CS2
V+3 OH Carrier	CS3
V+4 UG Carrier	CS4
12 cct CODA Carrier	C13
12 cct OH Carrier	C12
16 cct Comb Filter	CE
24 cct Comb Filter	CF
60 kHz AGC Amp	PA