

PRIVATE LINE SERVICE TERMINATIONS
STATION ENGINEERING INFORMATION
UNIFORM SERVICE ORDER CODES (USOC) INDEX OF
DEFINITIONS AND APPLICATIONS

1. GENERAL

1.01 This section provides an index of definitions and applications of Uniform Service Order Codes (USOC) that are most commonly used in station engineering of private line service terminations.

1.02 For USOCs that are not found in this section, reference should be made to the Intercity Services Manual (ISM) for detailed description and application. Refer to the master volume of the ISM for definition of terms. These will be shown as they appear on the USSO.

1.03 The main entries in this index consist of individual USOCs, combinations of commonly used USOCs or notes which refer to several USOCs.

1.04 The combinations of commonly used USOCs are arranged in the following order of appearance: (1) service terminal code and suffix to describe the termination, (2) method of outgoing signaling and (3) method of incoming signaling, ie: WP5SC, L3M, BCA. This order of appearance is expected to be compatible with the order as given on a Universal System Service Order (USSO).

1.05 USOCs representing supplemental or optional equipment may be included on a USSO with most of the combination codes as shown in the index. The most common of these USOCs are listed and described as separate items in the index.

1.06 The index is structured to provide specific information at each major indentation as follows:

USOC

SERVICE ORDER ENTRY

DESCRIPTION

USE

REFERENCE

1.07 Any exceptions to 1.06 are self explanatory due to the nature and order of information presented.

1.08 This index provides coordination for the entire Private Line Service Terminations Series, and will be maintained to reflect changes in the related sections.

1.09 For general information for the entire series, refer to Section 812-002-200.

2. PRIVATE LINE SERVICE TERMINATIONS SERIES

2.01 The following sections constitute the Private Line Service Terminations Series. All of these are related sections.

SECTION	TITLE
812-002-200	General Information
812-002-201	Uniform Service Order Code (USOC) Index of Definitions and Applications
812-002-210	PBX Terminations (Tie Trunk and SS-1A)
812-002-211	PBX Terminations (Foreign Exchange and Wide Area Telecommunications Service)
812-002-215	Telephoto Station Arrangements
812-002-221	Station Equipment (Voice)

SECTION 812-002-201

SECTION	TITLE	SECTION	TITLE
812-002-230	Station Equipment (Data Voiceband)	812-002-270	Engineering Sketches and Signaling Devices
812-002-231	Station Equipment (Data Wideband)	812-002-290	V4 Repeater Mountings and Components
812-002-250	Alternate Arrangements		

AN4	IX CHAN SW ARGT <i>IXC Switching Argmt.</i> For Use in Tandem 3 SW Argmts. Table A	812-002-210	JDH	PRIV ARGT MN STA <i>Privacy Feature (First Station)</i> For Use In Locking Out All Stations Not Desired From Main Station Station Equip, Fig. 4	812-002-221
AQ4	ADD KEY CTRL <i>IXC Switching Arrangement (Addl. Same Bldg.)</i> Remote 2 Line Switching Fig. 17 and 18	812-002-270	KGP(AP)	BY LAMP-DIF PREM <i>Voice Operated Lamp (Addl.)</i> For Use on Dif. Premises, Same Exchange Table M	812-002-221
BCA	SIG CONT ARGT <i>Signal Control Arrangement Steady Signal</i> For Telephone Station Only Station Equipment Fig. 1, 3, 4	812-002-270 812-002-221	KGP(ME)	BY LAMP-DIF PREM <i>Lamp Arrangement (W/O Lamp)</i> For Activation By More Than One Tel. on Dif. Premises Table M	812-002-221
BCB	SIG CONT ARGT <i>Signal Control Arrangement, Intermittent Ring and/or Flashing Lamp</i> For Telephone Station Only Station Equipment Fig. 1, 3, 4	812-002-270 812-002-221	KGP(SD)	BY LAMP-DIF PREM <i>Lamp Arrangement</i> For Activation By One Tel. On Dif. Premises Table M	812-002-221
BH5	RO EXTN <i>Telephoto Schedule 2 Receive Only (Addl. Sta.)</i> Station Arrangement	812-002-215	KY4	SS-1 SEND ARGT <i>Dial Selector Equipment</i> For Dialing Signals Outward From One Service, One Premises Station Equipment, Fig. 4	812-002-221
BK5	KEY CTRL ARGT <i>Telephoto Control Station</i> Station Arrangement	812-002-215	LM4	SS-1 REC ARGT <i>SS-1 Code Relay</i> To Add 9 Codes Station Equipment, Fig. 4	812-002-221
BL8	BELL E/W PWR REL <i>Vibrating Bell E/W Power Relay</i> For Outside, Noisy Locations Signaling Devices	812-002-221	LQ4	SS-1 IXC SW CTRL <i>Control Arrangement For IXC Switching (SS-1 Dial)</i> When SS-1 Dial Switching Is Required. Initial Installation. Station Equipment, Fig. 4	812-002-221
F4F	LS FILTER EQPT <i>Filter to Suppress SS-1 Sel. Sig. Tones for Loudspeaker Locations To Eliminate 2600-2400 Hz Sig. Tones at LS</i> Fig. 16	812-002-270	LS3	106A TYPE LS <i>Loudspeaker E/W Minimum Volume Control</i> For Voice Signalling	463-220-100
GJP (AD)	BY LAMP/DIF BLDG <i>Voice Activated Busy Lamp</i> For Location in Dif. Bldg. From Tel. Sta. Table M	812-002-221	LS4	106B TYPE LS <i>Loudspeaker - 106B Type E/W Minimum Volume and Automatic Output Level Control</i> For Voice Signalling	463-220-100
GJP(MD)	BY LAMP/DIF BLDG <i>Lamp Arrangement (W/O Lamp)</i> For use with more than one Tel. Sta., Lamp in Dif. Bldg., Dif. Premises Table M	812-002-221	LV4	SS-1 REC FUNC <i>Receive Selector Function (Activate or Change)</i> Whenever Change or Activation of Function is Required Station Equipment, Fig. 4	812-002-221
GJP(SB)	BY LAMP/DIF BLDG <i>Lamp Arrangement</i> For Use With One Tel., Dif. Bldg., Same Premises Table M	812-002-221	LX4	SS-1 SEND-REC ARGT	

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LX4 (Cont)

SS-1 SEND-REC ARGY (Cont)
*Send And Receive Selective
 Signalling Equipment. (One per
 Premises)*
 For 2 Way SS-1 Signalling
 Station Equipment, Fig. 4 812-002-221

L3M

KEY SIGNAL/PB
Pushbutton Key
 For Use in Ringdown
 Applications Other than PBX
 Terminations
 Station Equipment, Fig. 1,
 3 812-002-221

L3Z

KEY SEL SIG SEND
Pushbutton Key
 For Use in Code Sel. Ringing
 Arrangement
 Station Equipment, Fig. 3 812-002-221

NDH

PRIV ARGY EXT
Privacy Feature (Addl. Sta)
 For Use in Locking Out All
 Stas. Not Desired From
 Additional Sta.
 Station Equipment Fig. 4 812-002-221

R3R

BUSY LAMP COMB STN
Lamp Arrangement (W/O Lamp)
 Where Lamp is Associated With
 More Than One Telephone
 Table M 812-002-221

SP3

NON-CONF 3A SPKRPHN
*Voice Switched Non-Conference
 Speakerphone For Hands-Free
 Operation*
 Station Equipment, Fig. 3
 and 4 812-002-221

S7V

107A TYPE LS
Loudspeaker
 For Voice Signalling 463-221-100

TL5

AUTO & KEY SIG ARGY
*One Way Key Signaling-One Way
 Automatic*
 Where Ringdown Operation is
 Provided in Handset and
 Automatic Operation at Key
 Station
 Station Equipment, Fig. 1 812-002-221

TP3—SEE WP5 DESCRIPTION

TT3—SEE WP5 OR WP7 DESCRIPTION

UU5

SIG CTRL ARGY
Signal Timing Arrangement
 Fig. 14 and 15 (For Use Where
 Other Than 30 Sec. Time-Out
 is wanted) 812-002-270

Fig. 1, 3, 4 812-002-221

VPV(SD)(NOTE 2)

DUX SVC TERM
Full Duplex Data
 For Two-Way Simultaneous
 Operation
 Station Equipment
 Two and Multi-point, Fig. 2 812-002-230

VPV(SD), 3AJ (NOTE 2)

Two and Multi-Point.
 Fig. 4 812-002-230

VPW(SD)

ADD DUX SVC TERM
*Additional Service Terminal Duplex
 Data*
 For Additional Two-Way
 Simultaneous Data Operation
 Station Equipment, Table D 812-002-230

VYP

SVC TERM 1/2 DUX1-W
Telephoto Schedule 2 Receive Only
 Station Arrangement 812-002-215

VZP

SVC TERM 1/2 DUX2-W
*Telephoto Schedule 2 S&R
 Non-Simultaneous (1st Sta)*
 Station Arrangement 812-002-215

WP—SEE SPECIFIC WP CODES WITH

SUFFIXES

WPB—

2006 SVC TERM-25
*Foreign Exchange Termination. See
 WP5—*
 For FX Service Less Than 25
 Miles
 Station Equipment, Fig. 2 812-002-221

WPB— SEE SPECIFIC WPB CODES WITH

SUFFIXES

WP5

1/2 DUX SVC TERM-2000
Service Terminal-Half Duplex
 For Non-Simultaneous Operation
 (Two-Way) 812-002-XXX

WP5(SC)

1/2 DUX SVC TERM-2000 CB ST
*Combined Handset Termination
 (Basic, Non-PTT)*
 Station Equipment, Fig. 1,
 2, 3, 4 812-002-221

WP5(SH)

1/2 DUX SVC TERM-2000 HUP ST
HU Handset Termination (Non PTT) 501-210-102

WP5(SK)

1/2 DUX SVC TERM-2000 KY TERM
*Key Equipment, Order Turrets and
 Call Directors* 502-XXX-YYY
 Station Equipment, Fig. 1 to
 5 812-002-221

WP5(SP)

1/2 DUX SVC TERM-2000 PBX TERM
Automatic Call Distributor (ACD)
 General
 PBX Equipment Table A 812-002-210

WP5(SP) (Cont)		
1/2 DUX SVC TERM-2000 PBX TERM (Cont)		
<i>PBX Termination</i>		
General		
PBX Equipment, Table C	812-002-210	
WP5(ST)		
1/2 DUX SVC TERM-2000 HUP ST JP		
<i>Hang Up Handset Termination E/W</i>		
<i>Plug & Jack (Non PTT)</i>		
General		
Cords & Plugs	501-140-102	
Handset	502-210-102	
Handset Hanger	463-135-100	
WP5(SV)		
1/2 DUX SVC TERM-2000 HD ST JP		
<i>Headset Termination E/W Plug & Jack</i>		
<i>(Non PTT)</i>		
General		
Cords & Plugs	501-140-120	
WP5(SW)		
1/2 DUX SVC TERM-2000 CB WL		
<i>Combined Wall Set Termination (Non</i>		
<i>PTT)</i>		
General	502-501-YYY	
WP5--, KY4		
Multi-Point Use		
Fig. 4	812-002-221	
WP5--, LM4		
Multi-Point Use		
Fig. 4	812-002-221	
WP5--, LS4		
Multi-Point Use		
Fig. 3	812-002-221	
WP5--, LX4		
Multi-Point Use		
Fig. 4	812-002-221	
WP5--, LX4, JDH		
Multi-Point Use		
Fig. 4	812-002-221	
WP5--, L3M		
Multi-Point Use		
Fig. 3	812-002-221	
Two-Point Use		
Fig. 1	812-002-221	
WP5--, L3Z, W5U (NOTE 1)		
Multi-Point Use		
Fig. 3	812-002-221	
WP5--, TL5		
Two-Point Use		
Fig. 1	812-002-221	
WP5--, 27E(DT)		
Two-Point Use		
Fig. 5	812-002-221	
WP5--, 27E(KE)		
Two-Point Use		
Fig. 2 and 5	812-002-221	
WP5--, 27M, BCA (NOTE 1)		
Two Point Use		
Fig. 1	812-002-221	
WP5--, 27M, BCB (NOTE 1)		
Two-Point Use		
Fig. 1	812-002-221	
WP5--, 27M, UUS (NOTE 1)		
Two-Point Use		
Fig. 1	812-002-221	

WP5—SEE SPECIFIC WP5 CODES WITH SUFFIXES		
WP5SP	Two-Point Use	
	Fig. 7, 8	812-002-210
WP5SP, KY4	Multi-Point	
	Fig. 11, 12	812-002-210
WP5SP, LM4	Multi-Point	
	Fig. 11, 12	812-002-210
WP5SP, LX4	Multi-Point	
	Fig. 11, 12,	812-002-210
WP5SP, LX4, N42	Multi-Point	
	Fig. 11, 12	812-002-210
WP5SP, 27E(AD)	Two-Point Use	
	Fig. 2, 3, 9, 10	812-002-210
WP5SP, 27E(AE)	Two-Point Use	
	Fig. 2, 3, 9, 10	812-002-210
WP5SP, 27E(AF)	Two-Point Use	
	Fig. 2, 3, 9, 10	812-002-210
WP5SP, 27E(AG)	Two-Point Use	
	Fig. 2, 3, 9, 10	812-002-210
WP5SP, 27E(AJ)	Two-Point Use	
	Fig. 2, 3, 4, 5, 6, 7, 8, 9,	
	10	812-002-210
WP5SP, 27E(BD)	Two-Point Use	
	Fig. 2, 3	812-002-210
WP5SP, 27E(BE)	Two-Point Use	
	Fig. 2, 3	812-002-210
WP5SP, 27E(BF)	Two-Point Use	
	Fig. 2, 3	812-002-210
WP5SP, 27E(BG)	Two-Point Use	
	Fig. 2, 3	812-002-210
WP5SP, 27E(BJ)	Two-Point Use	
	Fig. 2, 3, 9, 10	812-002-210
WP5SP, 27E(CD)	Two-Point	
	Fig. 2, 3	812-002-210
WP5SP, 27E(CE)	Two-Point	
	Fig. 2, 3	812-002-210
WP5SP, 27E(CF)	Two-Point Use	
	Fig. 2, 3	812-002-210
WP5SP, 27E(CG)	Two-Point Use	
	Fig. 2, 3	812-002-210
WP5SP, 27E(CJ)	Two-Point Use	
	Fig. 2, 3, 9, 10	812-002-210
WP5SP, 27E(HD)	Two-Point Use	
	Fig. 2, 3, 9, 10	812-002-210

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WP5SP, 27E(HE)	Two-Point Use Fig. 2, 3, 9, 10	812-002-210	WUP(SD) (NOTE 2) (Cont) 1/2 DUX SVC TERM-2000 DATA ST (Cont) <i>Data Set Termination (Cont)</i> Two and Multi-Point, Fig. 1	812-002-230
WP5SP, 27E(HF)	Two-Point Use Fig. 2, 3, 9, 10	812-002-210	WUP(SD), 3AJ (NOTE 2) Two and Multi-Point Fig. 3	812-002-230
WP5SP, 27E(HG)	Two-Point Use Fig. 2, 3, 9, 10	812-002-210	WX4(SD) ADD 1/2 DUX SVC TERM <i>Additional Service Terminal 1/2 Duplex Data</i> For Additional Two-Way Non-Simultaneous Data Operation Station Equipment, Table D	812-002-230
WP5SP, 27L	Two-Point Use Fig. 2, 3, 4, 5, 6	812-002-210	W5U KEY SEL SIG REC <i>Central Office Code, Selective Ringing Equip.</i> For Ringdown Code Signalling Station Equipment, Fig. 3	812-002-221
WP7(--)	ADD 1/2 DUX SVC TERM <i>Service Terminal (Additional) See WP5 Suffixes</i> For Additional Stations, Same Exchange	812-002-XXX	XCO ADD SVC TERM <i>Telephoto Schedule 2 S&R Non-Simultaneous (Addl. Sta.)</i> Station Arrangement	812-002-215
WP7--, LS4	Multi-Point Use Fig. 3	812-002-221	XIZ ADD SVC TERM DUX <i>Telephoto Schedule 2, Send and Receive Simultaneous (Addl. Sta.)</i> Station Arrangement	812-002-215
WP7--, L3M	Multi-Point Use Fig. 3 Two-Point Use Fig. 1	812-002-221 812-002-221	1YX(KA) MISC KEY <i>Transfer Key Arrangement</i> To Transfer Line to Another Station, Same Premises Fig. 1, 2, 3, 4, 5, 6 Fig. 6 through 21	812-002-270 812-002-250
WP7--, L3Z (NOTE 1)	Multi-Point Use Fig. 3	812-002-221	1YX(K7) MISC KEY <i>Push-to-Talk Key (Hand Operated)</i> To Activate Transmitter Current in Telephone Sets Station Equipment, Fig. 3 and 4	812-002-221
WP7--, NDH	Multi-Point Use Fig. 4	812-002-221	1ZX(BZ) AUDIBLE SIG <i>Buzzer</i> Incoming Signal Signalling Devices, Tables N and O	812-002-221
WP7--, TL5	Two-Point Use Fig. 1	812-002-221	1ZX(EB) AUDIBLE SIG <i>Bell</i> Incoming Signal Signalling Devices, Tables N and O	812-002-221
WP7--, 27E(DT)	Two-Point Use Fig. 2 and 5	812-002-221	1ZX(GB) AUDIBLE SIG <i>Gong</i> Incoming Signal Signalling Devices, Tables N and O	812-002-221
WP7--, 27E(KE)	Two-Point Use Fig. 2, 5	812-002-221	1ZX(6B)	
WP7--, 27M	Two-Point Use Fig. 1	812-002-221		
WP7—SEE SPECIFIC WP7 CODES WITH SUFFIXES				
WP9(--)	2006 SVC TERM <i>Foreign Exchange Termination IXC More than 25 Miles</i> General-Station End PBX Equipment	812-002-211		
WP9--	2006 SVC TERM <i>Foreign Exchange Termination IXC More than 25 Miles</i> General-Station End Station Equipment, Fig. 2	812-002-221		
WP9—SEE SPECIFIC WP9 CODES WITH SUFFIXES				
WUP(SD) (NOTE 2)	1/2 DUX SVC TERM-2000 DATA ST <i>Data Set Termination</i> Station Equipment	812-002-230		

1ZX(6B) (Cont)			
AUDIBLE SIG			
<i>6 inch Vibrating Bell</i>			
Incoming Signal			
Signalling Devices, Tables N and O	812-002-221		
1ZX(7B)			
AUDIBLE SIG			
<i>7 inch Vibrating Bell</i>			
Incoming Signal			
Signaling Devices, Tables N and O	812-002-221		
13F(--)			
TERM ARGT			
<i>Dial Circuit Arranged for Switching. Generally Provided in Conjunction With USOC 29A</i>			
At Service Points Arranged for IXC Switching			
Table A	812-002-210		
27E(--)			
TERM ARGT			
<i>Dial PBX's. See Next Listing for Suffixes to be Used With this USOC</i>			
For Dial Tie Trunk Service—Two Point			
Table A	812-002-210		
27E—			
First Suffix (Method of Sel. on Inc. Calls)			
<i>A-Attendant Position Only</i>			
<i>B-Attendant Position and Inc. Dialing</i>			
<i>C-Incoming Dialing Only</i>			
<i>H-No Inc. Sel (1-way OG Only)</i>			
Second Suffix (Method of Sel. on Outgoing Calls)			
D-Atnd. Pos. Only (Oper. Dial)			
E-Atnd. Pos. and Dial Sel. (For Automatic Operation, the Trunk Selection or access code only Should be Dialed. The Line Signal is by Trunk Seizure)			
F-Dial Sel. Only (Operation Same as Second Suffix E)			
G-Atnd. Pos. Only (Sta. Dial Thru Atnd. Cords)			
J-No OG Sig (1-way Inc only)			
27L			
AUTO SIG ARGT			
<i>Two Way Automatic Signal</i>			
For Two Point PBX Automatic Tie Line			
Fig. 4, 5, 6	812-002-210		
27M			
AUTO RING ARGT			
<i>2 Second Automatic Ring</i>			
For Automatic Ringing Where Lamp Supervision is Not Desired			
Fig. 1	812-002-221		
Fig. 10, 11, 12, 13	812-002-270		
27S			
BUSY LAMP-VO			
<i>Voice Operated Busy Arrangement</i>			
When Visual Busy Indication is Desired			
Fig. 3 and 4		812-002-221	
28SLC			
SV TM SW ARGT			
<i>Cut-Off Key</i>			
To Disconnect a Station (or Stations) Located in Same Exchange Area			
Fig. 17 and 18		812-002-270	
29A			
IX CHAN SW ARGT			
<i>Switching Arrangement</i>			
For Connecting A Maximum of 3 Circuits Together in Tandem (2 Argts.)			
Fig. 17 and 18		812-002-270	
PBX Equipment, Table A		812-002-210	
29B			
IX3 CHAN SW ARGT			
<i>Switching Arrangement</i>			
For 3 Circuit Conference Switching. Single Conference			
Fig. 17 and 18		812-002-270	
29C			
ADD IX CHAN SW ARGT			
<i>Switching Arrangement</i>			
For Single Circuit Addition to Arrangement per USOC 29B			
Fig. 17 and 18		812-002-270	
3AJ			
DATA ALT CON			
<i>Alternate Use Charge</i>			
Transfer Data-Voice			
Station Equipment, Fig. 3, 4, 6		812-002-230	
36B			
MAN ALT SW PL-FX			
<i>Alternate FP-FX (Manual)</i>			
For Alternate FP to FX Switching With Transfer Key			
Fig. 6 through 21		812-002-250	
6AM(HA)			
HORN			
<i>Horn Signal E/W Power Relay</i>			
<i>Compressed Air</i>			
For Noisy Locations, Indoor or Outdoor		ISM-SEC-24	
6AM(HO)			
HORN			
<i>Horn Signal E/W Power Relay Electric Type</i>			
For Noisy Locations-Outdoors		463-110-100	
6AM(HP)			
HORN			
<i>Horn Signal E/W Power Relay Electric Type</i>			
For Noisy Locations-Indoor		463-110-100	
7FW			
SIG CTRL ARGT			
<i>Intermittent Signal With Time-Out</i>			
Fig. 3, 4 (Adjustable and 30 Sec. Time-Out)		812-002-221	

SECTION 812-002-201

7FW (Cont)

SIG CTRL ARGY (Cont)
Intermittent Signal with Timeout
 Fig. 14 and 15 (For Use Where
 Other Than 30 Sec. Time-Out is
 Wanted) 812-002-270

7HX(BP)

EXPL ATMO SIG/PWR RL
Bell or Gong E/W Power Relay
 For Explosive Atmosphere
 Locations 463-110-100

7HX(HP)

EXPL ATMO SIG/PWR RL
Horn Signal E/W Power Relay
 For Explosive Atmosphere
 Locations 463-110-100

7QX(24)

CHIME SIG E/W CTRL
Chime E/W Power Relay, 250 Hz
 As Required 463-110-100

7QX(98)

CHIME SIG E/W CTRL
Chime E/W Power Relay, 980 Hz
 As Required 463-110-100

9BX(AB)

GP SUPV BY LAMP
Voice Operated Lamp, Same Bldg.
 With Voice Activated Busy Lamp 463-240-100

9BX(KP)

GP SUPV BY LAMP
Key Control Lamp Signal
 To Indicate Position of Key
 Table M 812-002-221

9BX(KS)

GP SUPV BY LAMP
Lamp to Indicate Position of Switch
Arrangement
 IXC Switch Arrangement
 Table M 812-002-221

9BX(LP)

GP SUPV BY LAMP
Lamp Indicator (Various Lamp Types
463-210-100)
 Where Required as Visual
 Indicator
 Table M 812-002-221

9BX(MS)

GP SUPV BY LAMP
Lamp Only, Activated by More Than
One Telephone
 To Indicate When Any One
 Station is in Use
 Table M 812-002-221

9BX(SP)

GP SUPV BY LAMP
Lamp Arrangement Activated by One
Telephone in Same Building
 To Indicate When Associated
 Station is Transferred
 Table M 812-002-221

NOTE 2

For details on specific Data Sets
 refer to Section 812-002-230

NOTE 1

Where a combination of USOCs include
 code 27M or L3Z for use with telephone
 stations (key or non-key) the
 appropriate signal control, BCA, BCB,
 UU5 or 7FW must also be included.