

## DESIGN USO/WORKSHEET

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### 1. GENERAL

1.01 This appendix describes the entries to be made on the Design USO/Worksheet, Form CO 4959, by Pacific administration of designed services (PADS) design personnel.

1.02 It is issued to provide guidelines to PADS design personnel for completing the entries necessary to process the Universal Service Order (USO).

### 2. DESCRIPTION OF FORM CO 4959

2.01 The design USO/Worksheet is printed on two-part, 8-1/2 by 11-inch no carbon required (NCR) paper to provide a carbon-free copy.

2.02 The first copy is white and is to be forwarded to the order typist. The second copy is canary yellow and is to be retained in the order package.

2.03 Form CO 4959 has pinholes in each side margin for DS-40 and left-margin printers. The forms are continuous and perforated at the top, bottom and left margins. They will be packaged 1,500 forms to a 9 by 9 by 11-1/2 inch carton weighing 23 pounds.

2.04 Each carton will normally contain a continuous unbroken supply of forms. Cartons containing a break in continuous forms will be marked "BREAK" on the outside of the carton. The last 25 copies in each carton will have a red

stripe on the left margin to alert the operator that the paper is running out.

2.05 The Design USO/Worksheet is divided into three sections (see Exhibit 1) in which the following information is provided:

- **Section 1:** The order section, the upper left portion (lines 1-31), provides an area for order and billing information to be entered by PADS ordering preparation personnel.

*Note:* The information in this section will be continuous on as many pages as necessary to provide a complete USO and the first circuit location. After the first circuit location, there will be a page break for all subsequent circuit locations.

- **Section 2:** The local channel information section, the upper right portion, provides an area for miscellaneous data and notes on the local channel information for PADS design personnel use.

- **Section 3:** The remarks section, the lower half (lines 32-60), provides an area to be used by PADS design personnel to show local channel data for inclusion with the issuance of an installation USO.

*Note:* Do not make notations in this section other than those intended for transmission to field forces.

2.06 Form CO 4959 may be ordered from Western Electric Company (following normal order procedures for stocked forms) in minimum quantities of 1,500.

### 3. PROCEDURES FOR ENTRIES ON USO

3.01 To provide the installation forces with a workable USO, a number of required and

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**SECTION 010-520-112PT**  
**APPENDIX 3**

optional entries will be completed by PADS design personnel.

**3.02** All entries by PADS design forces must be *printed only*. The entries to be made are discussed below.

**Order Section**

**3.03** PADS design personnel will be required to make entries in the ZDC and RAC FIDs (field identifiers) in this section. PADS design entries in the section will be made only in RED pencil or RED ink.

**3.04** The order distribution code (ZDC) FID of the USO will use three types of distribution codes:

- (a) Prior (P)
- (b) Installation (I)
- (c) Completion (C)

**3.05** The USO received by PADS designers will have parentheses around the Distribution Code associated with (I) and (C) as shown in Fig. 1.

**3.06** Prior to forwarding the USO to the order typist, the PADS designer will:

- (a) Place parentheses around the (P) distribution codes as shown in Fig. 2
- (b) Remove the parentheses from the (I) distribution codes as shown in Fig. 3
- (c) Add any additional codes (engineering, Blue Streak, etc.) to the installation distribution codes.

**3.07** Following the traffic control office (TCO) FID, or engineering control office (ECO) if no TCO FID is included, PADS designers will enter the report access code (RAC) FID. The RAC is the Facilities System base control number (see Fig. 4).

**Local Channel Information Section**

**3.08** This section of the form is provided as a worksheet for PADS design forces to use in gathering the local channel information necessary to process the USO.

**3.09** The guidelines for completing this section of the Design USO/Worksheet are described below (see Exhibit 2, callouts 1 through 22):

- 1 GAUGE — Gauges of cable making up the local channel. Use the blank space for other gauges not preprinted.
- 2 LENGTH — Enter length in feet for each gauge of cable making up the local channel.
- 3 OHMS — Enter the resistance in ohms for each gauge of cable making up the local channel.
- 4 DB — Enter the loss in decibels for each gauge of cable making up the local channel.
- 5 TOT (Total) — Enter the total of each column.
- 6 BRIDGED TAP — Enter the number of feet of bridged tap for nonloaded cable.
- 7 LOAD POINT SPACING — Enter the load point spacing from the central office to the first load coil in 1, the spacing between the first and second load coils in 2, and so forth.
- 8 SERVING PSC — Enter the 8-character common language location code for the plant service center providing the local channel information.
- 9 SAP (Serving Area Prefix) — Enter the telephone prefix of the central office serving the customer.
- 10 SERVING CENTRAL OFFICE — Enter the common language location code of the central office serving the customer.
- 11 DATE/TIME CALLED — Enter the date and time the request for local channel make-up was called to the PSC.
- 12 DATE/TIME RECEIVED — Enter the date and time the local channel data was received from the PSC.
- 13 COMPLEX LINE ASSIGNER — Enter the name or initials of the person from whom the local channel data was requested.
- 14 TELEPHONE NUMBER — Enter the telephone number of the PSC contact.

ISC	N2137-2142-00
CKT	7FDDC703762-PT
ZDC	(P) PTL7068 (I) (PTL4112 PTL1691 PTL1722) (C) (PTL30)
--LIST	
I1 UCB	69025
--CTL	
STS	213-741-0121 PTL30
NCD	OM
SID	03-14-77
RDD	03-19-77
RID	03-25-77
DVA	03-30-77
PTD	04-04-77
PCO	HLWDCA01B1
ECO	LA-DATA
ZESC	LA01
SLSN	
SRN	

Fig. 1

ISC	N2137-2142-00
CKT	7FDDC703762-PT
ZDC	(P) (PTL7068) (I) (PTL4112 PTL1691 PTL1722) (C) (PTL30)
--LIST	
I1 UCB	69025
--CTL	
STS	213-741-0121 PTL30
NCD	OM
SID	03-14-77
RDD	03-19-77
RID	03-25-77
DVA	03-30-77
PTD	04-04-77
PCO	HLWDCA01B1
ECO	LA-DATA
ZESC	LA01
SLSN	
SRN	

Fig. 2

ISC	N2137-2142-00
CKT	7FDDC703762-PT
ZDC	(P) (PTL7068) (I) (PTL4112 PTL1691 PTL1722) (C) (PTL30)
--LIST	
I1 UCB	69025
--CTL	
STS	213-741-0121 PTL30
NCD	OM
SID	03-14-77
RDD	03-19-77
RID	03-25-77
DVA	03-30-77
PTD	04-04-77
PCO	HLWDCA01B1
ECO	LA-DATA
ZESC	LA01
SLSN	
SRN	

Fig. 3

ISC	N2137-2142-00
CKT	7FDDC703762-PT
ZDC	(P) (PTL7068) (I) (PTL4112 PTL1691 PTL1722) (C) (PTL30)
--LIST	
I1 UCB	69025
--CTL	
STS	213-741-0121 PTL30
NCD	OM
SID	03-14-77
RDD	03-19-77
RID	03-25-77
DVA	03-30-77
PTD	04-04-77
PCO	HLWDCA01B1
ECO	LA-DATA
RAC	621755
ZESC	LA01
SLSN	
SRN	

Fig. 4

**SECTION 010-520-112PT**  
**APPENDIX 3**

- 15 VACANCY CHECK — Enter the date the local channel assignments were verified as vacant, if any.
- 16 LINE TRANSFER — Enter the transfer number which is to clear the local channel pairs, if assigned.
- 17 EXCESS PAIRS RETURNED TO PSC — Enter the date any excess pairs were returned to the PSC and the return code of the person returning them, if any.
- 18 P-102'd — Enter date held order report was prepared and the date design supervisor was notified.
- 19 RELIEF INFO — Enter routine order/job number or other data pertinent to relief of held order (include expected completion date).
- 20 O.P. ENGINEER — Enter name and telephone number of the outside plant engineer providing relief data.
- 21 ADDITIONAL INFO — Enter any notes pertinent to the local channel data.
- 22 PROCESSED BY — Enter the return code of the person processing the order and the date it was processed.

**Remarks Section**

- 3.10 This section is provided for use by PADS design forces to show local channel data for inclusion with the issuance of the installation USO.
- 3.11 PADS design personnel will complete entries in this section as described below (see Exhibit 2, callouts 23 through 47):

LINE	ITEM	
23	32 RMK	(Remarks) — A field identifier (FID). Always to be left-hand (LH) positioned. An I action code must precede this FID for entry into SORD system.

LINE	ITEM	
24	LCHN CKL	(Local Channel Circuit Location) — Indicate the CKL number of the accompanying LCHN information (from the USO) and the 8-character common location code of the serving central office.
25	33 F1	(Facility 1) — Feeder cable designation for local exchange cables.
	CA	(Cable Number) — An office designation may be included with the cable number.
26	34 PR	(Pair) — May be entered as a number, or binder and pair color codes for PIC cables.
		<i>Note:</i> If PIC cable is being shown, place a comma (,) behind the binder designation, then show the pair color code (eg, BNDR 1, BL-WH).
27	BP	(Binding Post) — May be entered as a number or binder and pair color code for PIC cable. See Note above.
28	35 PR, BP	— Same as Line 34. May be used with 4-wire designated circuits.
29	36 TEA	(Terminal Address)
30	37 F2	(Facility 2) — Local exchange distribution cable.
	CA	(Cable Number)
31	38 PR	(Pair) — Pair entries for other than the main feeder pair(s) (F1) should actually refer to binding post numbers at the crossconnect terminals.
	BP	(Binding Post)

LINE	ITEM		LINE	ITEM		
32	39	PR, BP		41	47 TLP	(Test Level Point — Data, <i>Optional Entry</i> ) — The level of power, in decibels, that should be measured at the proper TLPs for transmitting and receiving data signals.
33	40	TEA				
				42	RES	(Resistance, <i>Optional Entry</i> ) The computed loss, in OHMs, of the exchange cable facility.
34	41	F3				
				43	ATTN	(Attenuation, <i>Optional Entry</i> ) — The computed loss, in decibels, of the exchange cable facility.
35	42	PR, BP		44	LOAD	(Loading, <i>Optional Entry</i> ) — The type of loading used in the exchange cable facility (eg, H-88).
36	43	PR, BP				
37	44	TEA		45	49 REQ	(Requisition, <i>Optional Entry</i> ) — The requisition number for station equipment, if any.
38	45	STAD				
				46	SHIP	(Ship Date, <i>Optional Entry</i> ) — The shipping data from the station equipment requisition, if any.
39		TR LVL		47	50 NOTES	—Enter any information pertinent to the order that will facilitate coordination by the central office and installation forces.
				3.12		Numeric zero entries in this section must be slashed, eg, 0.
40	46	TLP		3.13		Z entries in this section must be crossed, eg, Z.



DESIGN USO/WORKSHEET

CU 4959 (8-77)

PG01 08:30 11:08 069 11:09 0609 SK2 SW 007  
CUS TO DO APT C AO CS SLS

LOCAL CHANNEL INFORMATION

331-251-9721	777 03087	04067	DAYTT	573298BMB
N 444777				

ISC N2137-2142-00  
 CKT 7FDDC703762-PT  
 ZDC (P) (PTL7068)  
 (I) (PTL4112 PTL1691 PTL1722)  
 (C) (PTL30)  
 --LIST  
 II UCBC 69025  
 --CTL  
 STS 213-741-0121 PTL30  
 NCD OM  
 SID 03-14-77  
 RDD 03-19-77  
 RID 03-25-77  
 DVA 03-30-77  
 PTD 04-04-77  
 PCO HLWDCA01B1  
 ECO LA-DATA ← RAC 651755  
 ZESC LA01  
 SLSN KAZOO 213-980-6412  
 SRN CORNET 213-741-0192  
 --S&E  
 II \*LC 0120-2512-746  
 II \*PN 213-657-5100-710  
 IZPL 1  
 II DATYT/CKT 7FDDC703762-PT  
 IRMKR A 3002 FDX  
 ICKL 1 LA HO HLWDCA01 30  
 ISN MCNAMARAS  
 ISA ONE BUGLE DR LOS ANGELES

GAUGE	LENGTH	OHMS	DB	BRIDGED TAP
26				
24	9,763	507	2.2	LOAD POINT SPACING
22	12,319	402	1.9	(Near) 2,917
19				2 5,912
	4LC	36	0	3 5,897
TOT	22,082	945	4.1	4 5,985

SERVING PSC HLWDCA01 8 SAP 4.63 9  
 SERVING CENTRAL OFFICE HLWDCA01 10  
 DATE/TIME CALLED 3-22 9:35 11  
 DATE/TIME RECEIVED 3-23 12:29 12  
 COMPLEX LINE ASSIGNER PAULA 13  
 TELEPHONE NUMBER 463-0010 14  
 VACANCY CHECK 15  
 LINE TRANSFER 16  
 EXCESS PAIRS RETURNED TO PSC 17 BY  
 P-102'd 3-23 18 SUPV. NOTIFIED 3-23  
 RELIEF INFO R0771385 19 DUE 4-6  
 O.P. ENGINEER J.GARRETT 20 TEL. NO. 461-1467  
 ADDITIONAL INFO 21  
 PROCESSED BY FC5 22 DATE 3-23

IRMK L CHN CKL I HLWDCA01 24  
 23 F 1 CA 06 25  
 PR 101 26 BP 10 27  
 PR 1047 28 BP 47  
 TEA 600 WEST BULA CT 29  
 F 2 CA 30  
 PR 31 BP  
 PR 32 BP  
 TEA 33  
 F 3 CA 34  
 PR 35 BP  
 PR 36 BP  
 TEA 37  
 STAD +VRM 2 TIA RD 38 TR LVL +3.0 39  
 TLP VOICE TR 40 REC  
 TLP DATA TR 41 0.0 REC -12.3  
 RES 945 42 ATTN 43 4.1 LOAD 44 H-88  
 REQ 26572-SL 45 SHIP 46 3-28-77  
 NOTES 47 THERE WILL BE CON  
 STRUCTION OF FAX AT THIS  
 END ESTIMATED COMPLETION  
 4-6-77 ENGR. JAY GARRETT FOR  
 INFO. 463-1467, R0771385.

