

LAYOUT RECORD CARD
FOR RADIO UNITS

1. GENERAL

1.001 This addendum supplements Section 682-300-012.

1.002 It is reissued to:

- (a) Clarify the assignment of R unit numbers where there is a mixture of frequencies within the channel switching section.
- (b) Add corrected tables showing stagger or split channel numbering plans.
- (c) Specify that the same radio unit number shall be assigned to a radio channel from end to end.
- (d) Correct a typographical error in 6.02 and Figure 6.
- (e) Specify where both polarizations of a single frequency are used, the R unit number should be followed by a V or H to indicate the vertical or horizontal polarization.

3. DESIGNATING RADIO UNITS

The following changes apply to Part 3 of the section:

- (a) 3.02.1 — added paragraph.
 - (b) 3.03 — added sentences.
 - (c) Table 4A added.
 - (d) Tables 5 and 5A added.
 - (e) 3.08 — added paragraph.
- 3.02.1 The same R unit shall be assigned from the transmitting end to the receiving end of a

radio switching section, regardless of the type(s) of radio system used to derive the overall channel. Assign the R unit number according to the channel frequency at the terminal (switching) office in the lowest alpha order when mixtures of frequency do not conform to the rules set forth in this practice. This R unit will carry the suffix M to signal the possible need for special maintenance or testing practices. Coordinating will be required when assigning numbers to R units that cross Sector, Region or Company boundaries.

3.03 (Add after the last sentence)

Table 4A has been added for the 6GHz stagger plan.

Table 5 has been added to show the mid-frequency assigned to the 6GHz band. Table 5A has been added for the 11GHz stagger channel plan.

3.08 Digital radio may provide two separate transmission paths (R units) per frequency by using cross-polarization. R unit numbers should be followed by a V or H to indicate the vertical or horizontal polarization.

6. EXHIBITS

The following changes apply to Part 6 of the section:

- (a) 6.02 — revised.
 - (b) Fig. 6 — revised.
- 6.02 Figure 6 — Change Form E-3959-ML to read E-3957-ML.
- ← Figure 6 (page 10) —
Change caption to read Form E-3957-ML instead of E-3959-ML

TABLE 4A
R Unit Assignments for 11GHz Radio Systems
(Stagger Channel Plan)

TJ					
RADIO UNIT		LINK 1 (or 2)		LINK 2 (or 1)	
W-E	E-W	CHANNEL FREQUENCY (MHz)		CHANNEL FREQUENCY (MHz)	
or	or				
S-N	N-S				
143	243	1E	10775	1D	11385
145	245	3E	11015	3D	11625
144	244	2E	10975	2D	11665
146	246	4E	10735	4D	11425
147	247	5E	11175	5D	11305
149	249	7E	10935	7D	11545
148	248	6E	10895	6D	11585
150	250	8E	11135	8D	11345
151	251	9E	11095	9D	11225
153	253	11E	10855	11D	11465
152	251	10E	10815	10D	11505
154	254	12E	11055	12D	11265

TABLE 5

R Unit Assignments for 6GHz Radio Systems

(Split Channel Frequency Plan - 8 Channels)

RADIO UNIT		LINK 1 (or 2)		LINK 2 (or 1)	
W-E or S-N	E-W or N-S	CHAN. NO.	FREQ. (MHz)	CHAN. NO.	FREQ. (MHz)
178	278	11C	5937.8	21U	6204.7
		21C	6189.8	11U	5952.6
179	274	12C	5967.4	22U	6234.3
		22C	6219.5	12U	5982.3
180	280	13C	5997.1	23U	6264.0
		23C	6249.1	13U	6011.9
181	281	14C	6026.7	24U	6293.6
		24C	6278.8	14U	6041.6
182	282	15C	6056.4	25U	6323.3
		25C	6308.4	15U	6071.2
183	283	16C	6086.0	26U	6352.9
		26C	6338.1	16U	6100.9
184	284	17C	6115.7	27U	6382.6
		27C	6367.7	17U	6130.5
185	285	18C	6145.3	28U	6412.2
		28C	6397.4	18U	6160.2

Note: Repeat channel designations for successive links.

TABLE 5A
R Unit Assignments for 6GHz Radio Systems
(TM Stagger Channel Plan)

RADIO UNIT		LINK 1 (or 2)		LINK 2 (or 1)	
W-E or S-N	E-W or N-S	CHANNEL	FREQUENCY (MHz)	CHANNEL	FREQUENCY (MHz)
171	271	11S	5960.0	21S	6212.1
172	272	12S	5989.7	22S	6241.7
173	273	13S	6019.3	23S	6271.4
174	274	14S	6049.0	24S	6301.0
175	275	15S	6078.6	25S	6330.7
176	276	16S	6108.3	26S	6360.3
177	277	17S	6137.9	27S	6390.0

