LETTER TO THE EDITOR

Comments on "Integration With the *5ESS*™ Switching System," by S. A. McRoy, J. H. Miller, J. B. Truesdale, and R. W. Van Slooten*

This letter amplifies the footnote on page 2426 of the article titled, "Integration With the *5ESS*™ Switching System," in the December 1984, issue of the *AT&T Bell Laboratories Technical Journal.*

The information given here has been used in the field for engineering Remote Terminals (RTs) of the *SLC*® 96 digital subscriber loop carrier system on the Digital Carrier Line Unit (DCLU) in a *5ESS* switching office. For engineering RTs, the telephone company engineer can choose one of the three service criteria—1-1/2 percent blocking, 4 percent blocking, and 7 percent blocking. The 1-1/2 percent blocking criteria is recommended for average busy season busy hour engineering, the 4 percent blocking Once-A-Month (OAM) for extreme value engineering, and the 7 percent blocking for high-day engineering. The DCLU traffic capacities for the two types (Mode I and II) of RTs corresponding to the three criteria are given in Table I.

Table I—DCLU CCS capacities per line

No. of Time Slots	Mode I			
	RTs	1-1/2%	4%	7%
64[1]	6	3.19	3.41	3.53
64	5	3.83	4.08	4.24
64	4	4.79	5.10	5.30
128[2]	6	6.93	7.25	7.44
128	5	8.31	8.69	8.92
128	4	10.36	10.85	11.14
128	3	13.78	14.43	14.81
128	2	20.56	21.54	22.12
No. of Time Slots	Mode II			
	RTs	1-1/2%	4%	7%
64	6	3.06	3.27	3.40
64	5	3.65	3.90	4.09
64	4	4.52	4.83	5.04
128	6	6.61	6.93	7.13
128	5	7.81	8.21	8.45
128	4	9.51	10.00	10.32
128	3	10.02	11.07	11.72
128	2	11.85	13.20	14.10

1. A two-peripheral-interface-data-bus DCLU has 64 time slots.
2. A four-peripheral-interface-data-bus DCLU has 128 time slots.

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The capacities in the table are calculated by the same approach described in the article. However, the 3 percent OAM blocking criterion referenced in the article is not used for engineering *5ESS* switching systems in the field; 4 percent OAM is used. Also, the peak factor formula discussed in Section 5.4 of the article is not used in engineering. The information in the two tables documented in this letter has been used for engineering of *5ESS* switching systems.

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