

CAROT 2

REMOTE-USER TERMINAL

DESCRIPTION AND OPERATION

1. GENERAL

1.001 This addendum supplements Section 190-102-103, Issue 1. Place this pink sheet ahead of Page 1 of the section.

1.002 This addendum is issued to provide demand terminal balance testing information.

1.003 A special issue of CAROT 2, generic 2, operating system software has been made available to those CAROT Systems which require demand terminal balance tests. This addendum provides the new remote-user terminal information required for these tests.

1.004 When performing balance tests, level tests should also be specified. The level results should be used to diagnose balance measurement results for the following reason:

- A high-value level measurement will cause a return-loss reading to appear worse (lower

return-loss value) than otherwise would have resulted with a normal-value level reading. Conversely, a low-value level measurement could cause an out-of-tolerance return-loss measurement to appear within tolerance (higher return-loss value).

An example of a demand terminal balance test request (command) is **TEST:TG#=471,LEVEL,BALNC**. This example would be used with the procedure shown in Chart 6, Page 54.

2. CHANGES TO SECTION

2.001 On Page 55, Table G is obsolete. A new Table G is shown in this addendum.

2.002 On Page 56, Table J is obsolete. A new Table J is shown in this addendum.

TABLE G

FIELD NAMES OF TESTS WITHOUT VALUES

NAME	EXPLANATION	NAME	EXPLANATION
LEVEL	Power relative to 0 dBm (51B, 52A)*	NSNE	Noise (without tone) — Near-end (51B, 52A)
NOISE	Noise without tone, including NSFE and NSNE (51B, 52A)	NSFE	Noise (without tone) — Far-end (51B, 52A)
L400	Loss (-16 dBm at 404 Hz (52A)	TSALL	All tests CAROT can perform (51B, 52A)
L1000	Loss (-16 dBm at 1004 Hz (52A)	OPRL	Operational test
L2800	Loss (-16 dBm at 2804 Hz (52A)	SRLHI	Singing return-loss high (2500-3200 Hz)†
GSALL	Includes L400, L1000, and 2800 (52A)	ERL	Echo return loss†
N/T	Noise with -16 dBm0, 1004-Hz tone	SRL	Singing return-loss (300-500 Hz)†
		BALNC	All three return-loss measurements†

*Indicates 51B or 52A responder.

†Available only with CAROT 2, generic 2, equipped with demand terminal balance testing feature, and later generics.

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement

TABLE J

CAROT DEMAND TEST DESIGNATIONS

TEST DESIGNATION	MEANING
LEVEL	Level measurement (near and far end) in dBm*
NOISE	Noise measurement (near and far end) in dBm*
L400	Loss at 400 Hz and -16 dBm
L1000	Loss at 1000 Hz and 16 dBm
L2800	Loss at 2800 Hz and -16 dBm
GSALL	Gainslope (L400, L1000 and L2800)
NSNE	Near-end noise measurement
NSFE	Far-end noise measurement
N/T	Noise-with-tone measurement
OPRL	Operational test
PAR	Peak-to-average ratio measurement†
ERL	Echo return-loss measurement‡
SRL	Singing return-loss measurement at a low frequency‡
SRLHI	Singing return-loss measurement at a high frequency‡
BALNC	All three return-loss measurements‡
TSALL	Make all tests CAROT and responders can perform

*When 51B responders are used, only these tests will be made.

†Future option for CAROT and 52A responders.

‡ Available in CAROT 2, generic 2, equipped with demand terminal balance testing feature, and later generics.