

ATAAB ADVISORY NOTE

TRAC Analogue Type Approval Advisory Board

ATAAB Advisory Note Number: AN 17R000

Date: 1999-12-01

Subject: Amendment of the test impedance for compliance with the maximum sending power above 4,3 kHz in Clause 4.2.3 of TBR 15 and TBR 17.

APPLICABILITY

This note is applicable for Terminal Equipment intended for connection to Analogue Leased Lines, in addition to:

X		"CTR 15"
X		"CTR 17"

In consideration of the following:

- That in normal operation an impedance of 120 ohms is not representative of the line impedance at frequencies just above the voice band.
- That terminating the output of terminal equipment with 120 ohms can result in "distortion" of the normal output signal which in turn produces the unwanted products.

ATAAB advises the following:

That the 120 ohm terminating impedance be replaced by the Reference impedance ZR from TBR 21. This is a complex impedance made up of a resistance of 270 ohms in series with a parallel combination of 750 ohms and 150 nF, which is more typical of the impedance of the line at the NTP.