

# **ECMA-102, Rate Adaptation for the Support of Synchronous and Asynchronous Equipment using the V. Series Type Interface on a PCSN**

## **SCOPE**

This ECMA Standard defines the Rate Adaptation method used by Terminal Adaptors operating in accordance with circuit switching or leased circuit services which support an asynchronous or synchronous V.-Series interface.

This Standard is based upon CCITT Rec. 1.463 (V. 110), and uses the asynchronous-to-synchronous conversion technique described in CCITT Rec. V.22.

A major goal of this Standard is to achieve the maximum compatibility with CCITT Rec. 1.463.

This Standard specifies:

- Bit Rate Adaptation of asynchronous and synchronous user data,
- End-to-end synchronization of entry to, and exit from, the data transfer phase,
- provisions for Network-Independent Clocking to allow the transfer of user data between two non-synchronized networks,
- Provisions for Flow Control between Terminal Adaptors to allow the connection of two asynchronous terminals running at different data rates,
- Provisions for performance monitoring.