

# **ECMA-81, Local Area Networks (CSMA/CD Baseband) Physical Layer**

## **SCOPE**

For the purpose of compatible interconnection of data processing equipment via a local area network using the carrier sense multiple access collision detection technique (CSMA/CD) at 10 Mbit/s, this standard ECMA-81:

- defines the services provided at the conceptual interface between the Physical Layer and the Link Layer above it (see section 3);

- specifies the functions within the Physical Layer (see section 4);

- specifies the electrical characteristics of the connection between Data Terminal Equipment and the cable defined in Standard ECMA-80 (see section 5).

Physical frame protocol characteristics are outside the scope of this Standard, and are defined in Standard ECMA-80.