

ECMA/TR 45, Information Interchange for Remote Maintenance at the Interface between Data Processing Equipment and Private Switching Networks

SCOPE

This ECMA Technical Report specifies the procedures, the data flows and the message structures for the exchange of information related to the maintenance of the communications aspects of DPE-to PSN interfaces.

It defines an Application layer protocol implementing the maintenance procedures between two Application processes, which are either located in remote DPEs or on either side of the DPE-to-PSN interface and which are considered as OSI end systems.

It also deals with the mapping of the management application layer process primitives into lower layer services.

The internal structure of the System Management (SM) of OSI end systems is beyond the scope of this Technical Report. Nevertheless, for descriptive purposes, it may be considered that an SM is basically composed of Open System Management Application Processes (OSMAPs), which exchange information related to management tasks, such as:

- configuration management,
- fault management (maintenance),
- accounting management,
- performance management,
- security management.

This Technical Report deals with the exchange of information related to the maintenance of the communications aspects of DPE -to-PSN interfaces. How its maintenance is accomplished is not described by this

Technical Report. Normalized mechanisms are provided for the conveyance of information between two open systems for the purpose of maintenance (fault management) for which concepts are defined in ECMA TR/34.