

ECMA/TR 25, OSI Sub-Network Interconnection Scenarios Permitted within the Framework of the ISO-OSI Reference Model

SCOPE

This ECMA Technical Report:

-isolates the OSI interconnection scenario categories (OSC's) permitted within the framework of the ISO-OSI Reference Model as extended to include connectionless Network Service,

-defines the functionality of sub-layers 3b and 3c of the Network Layer for each scenario as a basis for development of the protocols needed at those sub-layers,

-gives the criteria for selection of an appropriate class of Transport Protocol for each scenario to provide a connection-oriented Transport Service (see Note 1),

-gives a status report on the work being done in ECMA to meet the protocol requirements identified above

Additionally, this Technical Report identifies in an Annex a scenario that is outside the scope of the Reference Model but is one offering a pragmatic solution to the problem of interworking between incompatible connection-oriented and connectionless network domains that individually represent interconnection scenarios that are within the scope of the Reference model.

NOTE 1

The case of connectionless Transport Protocol is the subject of continuing study.