

Carrier Ethernet Management Information Model

The **Carrier Ethernet Management Information Model** (defined in [MEF 7.2](#)) defines a common set of managed object definitions that are consistent and readily integrated into a Carrier Ethernet Provider's operations environment. This common management model helps ensure that vendors provide management functionality and information in their OSSs, NMSs, EMSs, and NEs in a logically consistent fashion, and allows service providers to readily integrate such capabilities into their management environment.

It includes MEF specific extensions to the ITU-T Q.827.1 Information Model defining the specific EMS-NMS management interface and objects for each specific interface profile such as Common Object Request Broker Object (CORBA) IDL, Simple Network Management Protocol (SNMP), JAVA, XML, etc.

The Information Model provides Class Hierarchy using Service Types, Service Definitions and Service Components (UNI, EVC).

The Information Model covers the following aspects of Carrier Ethernet services:

- Ethernet (ETH) layer UNI configuration provisioning
- ETH layer configuration and provisioning
- ETH layer network connection and fault management (including setup/modification, notification, testing)
- Ethernet External Network to Network Interface (ENNI) Service Attributes
- UNI Tunnel Access (UTA) / Virtual User Network Interface (VUNI) Service Attributes
- SOAM Service Attributes
- Virtual Network Interface Device (vNID) Remote Management Interface
- Ethernet Access Services

Example(s)

Related and Further Reading

TMF GB922 Information Framework (SID) Information Framework Primer | [Data Model](#) | [Information Model Template](#)

Categories

Management |

Status

DRAFT

Source(s)

[MEF 7.2 - Management Information Model](#) |

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