

Carrier Ethernet Service Framework

The **Carrier Ethernet Service Framework** has two components:

1. The definition of a set of **generic attributes** with the complete range of acceptable values for each attribute. This is documented in [MEF 10.x](#).
2. The definition of a set of [Carrier Ethernet Service Definitions](#) that includes constraints on the values for the generic attributes to those **acceptable for each service** type. This is done in [MEF 6.x](#).

Generic Attributes

MEF10.x defines three sets of generic attributes:

UNI attributes

UNI Attributes (MEF 10.3) are characteristics of the [User Network Interface \(UNI\)](#) itself and are applied to all services on the UNI.

Example

Physical Layer Service Attribute

If the UNI is a 100Mbps Full Duplex Ethernet, then that is what the services see.

EVC per UNI attributes

[EVC per UNI Attributes](#) (MEF 10.2 and MEF 10.3) are [EVC](#) attributes that are associated with the specific UNI and can be different on other UNIs within the EVC.

Example

Ingress Bandwidth Profile Attribute

Each UNI in an EVC can have different policing values.

EVC attributes

[EVC Attributes](#) are attributes that describe the EVC itself. They apply to the EVC across the entire carrier network.

Example

EVC Connection Type Attribute

If the EVC is defined as point-to-point, then it must be that way across the whole network.

Attributes by Service Type

MEF 6.x defines six [Carrier Ethernet Service](#) types, three private service types and three virtual private service types, by constraining the values in each of the three sets of generic attributes to an appropriate set of values.

Status

DRAFT

Source(s) and Reference(s)

[MEF 6.2](#) | [MEF 10.3](#)

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Example

An Ethernet Private Line service must have (note that these are just a sample, there are several other attributes):

- UNI Physical Layer MUST BE 10 or 100 or 1000 or 1000Mbps Ethernet, Full Duplex only
- UNI Service Multiplexing MUST BE "DISABLE"
- UNI All-to-One Bundling MUST BE "ENABLE"
- EVC Connection Type MUST BE "Point-to-Point"
- EVC Maximum Number of UNIs MUST BE "2"

Example(s)

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