

# MEF-SDCP SD-WAN Changes: MEF 70 to 70.1



Release Version: June 2022

From Appendix C of MEF 70.1

**The following list represents the major changes in this standard, MEF 70.1, from the previous version, MEF 70:**

- The document title was changed from “SD-WAN Service Attributes and Services” to “SD-WAN Service Attributes and Service Framework”.
- Added section 5.1 with Numerical Prefix Conventions and 5.2 with Notational Conventions. Move Diagram Conventions from section 7 to section 5.3.
- Inclusion of Service Attributes for Underlay Connectivity Services, UCS UNIs, and UCS End Points
- An updated definition of Application Flow that includes packet flows that both ingress a UNI and are directed toward the UNI
- Definition of Application Flow Specification as distinct from Application Flow
- Rename Application Flow Group to Application Flow Specification Group
- An updated and enhanced description of Application Flow Criteria
- The table of Application Flow Criteria and the table of Policy Criteria were split into two tables, those that Service Providers are required to support and those that Service Providers should support.
- The values for most Application Flow Criteria are now lists of items rather than individual items.
- The DSCP Field was added to the list of Application Flow Criteria that require support.
- An updated definition of Tunnel Virtual Connection (TVC) providing a more detailed and implementation-independent description
- New PERFORMANCE Ingress Policy Criterion to specify performance goals for an Application Flow
- New SWVC List of Security Policies Service Attribute
- New AF-SECURITY-INGRESS Ingress Policy Criterion and AF-SECURITY-EGRESS Egress Policy Criterion to invoke security functions listed in MEF 88 for an Application Flow.
- Support for Egress Policies and Egress Policy Criteria
- New BLOCK-SOURCE Egress Policy Criterion
- Updated and clarified description of the BANDWIDTH Ingress Policy Criterion
- New SD-WAN UNI Routing Service Attribute to allow the Subscriber to specify/advertise reachable subnets at the UNI
- New Service Attributes and Policy Criteria to support multiple Virtual Topologies that can be assigned by Policy
- Support for partitioning the Subscribers IP Hosts into Zones and assigning Zone-wide Ingress Policies
- Removed support for Priority-tagged frames from the SD-WAN UNI L2 Interface Service Attribute.

- Uniqueness requirements were tightened for the SWVC, SWVC End Point, and SD-WAN UNI Identifiers (Service Attributes).
- Updated the SWVC Service Uptime Objective Service Attribute with a requirement that provides a definition of "outage".
- Several Policy Criteria with Boolean values were normalized to use Enabled and Disabled as values (as opposed to Yes/No, True/False, etc.).
- The parameters for the ENCRYPTION Policy Criterion have been changed from Required and Either to Required-Always, Required-Public-Only, Either. Modified the argument to several Application Flow Criteria to be a list (several of them were already lists, now all of them are).
- Clarified definitions and descriptions in several sections and concepts without changing the normative intention of the text. These include Internet Breakout and INTERNET-BREAKOUT Policy Criterion, BANDWIDTH Policy Criterion, definitions of the Performance Metrics.
- The PCParam element in SWVC List of Policies Service Attribute was changed from a list of parameters to a single parameter. If multiple parameters are needed, the Policy Criterion can define the argument as a list (or a n-tuple, if appropriate).