

# MEF SOAM for High Value Multi-Operator Carrier Ethernet Services

POC 117

Participating organizations



## Description of PoC

Using MEF SOAM, service providers can improve service and gain operational efficiencies on multi-operator services. Comcast and Cox reduced service cost and complexity by eliminating remote NIDs formerly required to capture UNI-to-UNI measurements. The PoC started with ordering process validation and ended with successful presentation of end-to-end SOAM performance metrics in customer-facing portals.

### SIGNIFICANCE

MEF SOAM empowers service providers to deliver high performance services to a greater geographical reach, equipped with the performance measurement capabilities needed to support the dynamic and evolving services of today and the future, with a reduction in total cost of ownership.

1

### INSPIRATION

This PoC is inspired by the desire to serve customers whose physical location boundaries are expanding and blurring beyond single-operator networks, while still striving to provide the service quality customers have grown to expect and need.

2

### NEAR FUTURE

Service providers can begin taking advantage of this capability upon negotiation of interconnect agreements and parameters as Comcast and Cox have done, supported by Ciena and Nokia MEF certified equipment. SOAM readiness should be prioritized along with price and other factors when selecting access partners.

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### WITHOUT THIS POC

Without the validation of the ordering processes and tools possible enhancements to ASOG to accommodate additional MEP IDs and capture the selected MA format would not have been identified.

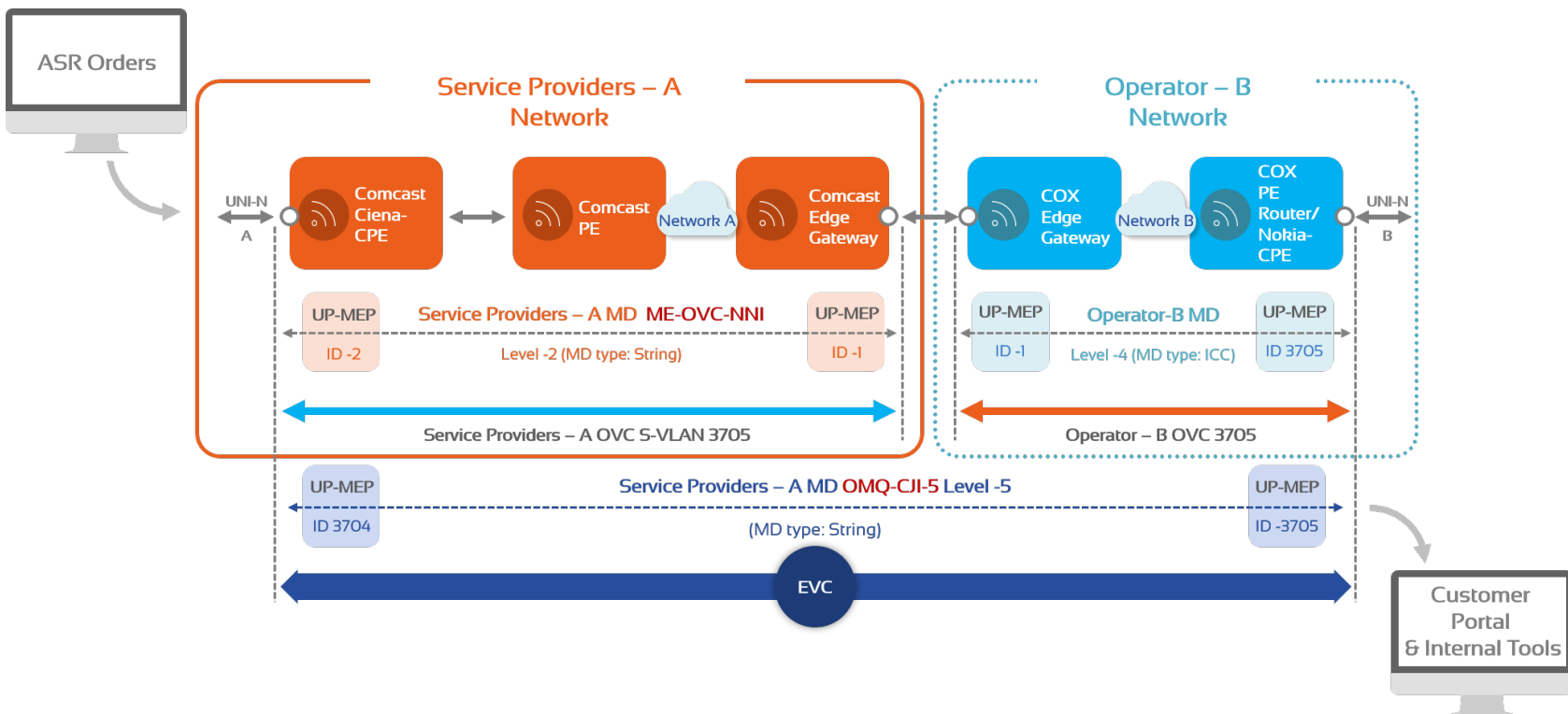
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### ACTION NEEDED

Service providers need to achieve MEF 62 compliance and establish MEG Level, MA format, and MEP ID(s) with partner service providers for inter-operator networks. CCM and DDM intervals need to be agreed upon between service providers.

4

## MEF SOAM for High Value Multi-Operator Carrier Ethernet Services



## MEF 3.0 Topic Areas

	Carrier Ethernet	Service Assurance	Operational Efficiency
MEF 6.2, 10.4, 26.2, 51.1	✓		
SOAM: MEF 17, 30.1, 35.1	✓	✓	
MEF 62	✓		✓

