

MEF Multi-vendor Network Integration

A leading Tier 1 Communications Service Provider (CSP) required integration of their orchestrator in a multi-vendor environment.

The challenge: The aim was to enable the end customer to manage a comprehensive catalog of MEF services on top of the existing complex and interdependent infrastructure.

The solution: Amartus integrated equipment from two independent global vendors with the provider's MEF orchestrator. To achieve the business goals and allow the CSP to facilitate and accelerate service management over the multivendor infrastructure, two projects were established:

- **A layer responsible for mediation between the orchestrator and vendors' NMSs.** The layer exposed an interface (REST) compliant with the MEF specification delivered by the service provider, and used the southbound message bus of the vendors' systems to achieve the business goals. Since part of the required functionality (e.g. QoS) was not supported by the vendor NMSs, Amartus' engineers also developed and integrated a plugin module that covered the functional gap.
- **An NMS system for MEF services management.** The northbound interface (REST) of the delivered system was fully compliant with the MEF specification provided by the customer. In addition, the MTOSI interface was exposed to the orchestrator.

The result: Amartus has been involved in the MEF specifications refinement. We worked with the SP's representatives on the MEF interface improvements, and came up with proposals. We also actively collaborated with the vendors' engineers to adapt the vendor's systems and equipment to the SP's requirements.

