



MEF19



Intra-Provider Automation with LSO APIs – LSO Presto & LSO Legato Roadmaps & Use Cases



Karthik Sethuraman

LSO Committee Co-Chair
MEF

Principal Software/SDN
Architect

NEC



Bartosz Michalik

Principal Architect
Amartus

LSO Legato & Presto API deliver benefits to both service providers and technology suppliers.

Reduced product costs

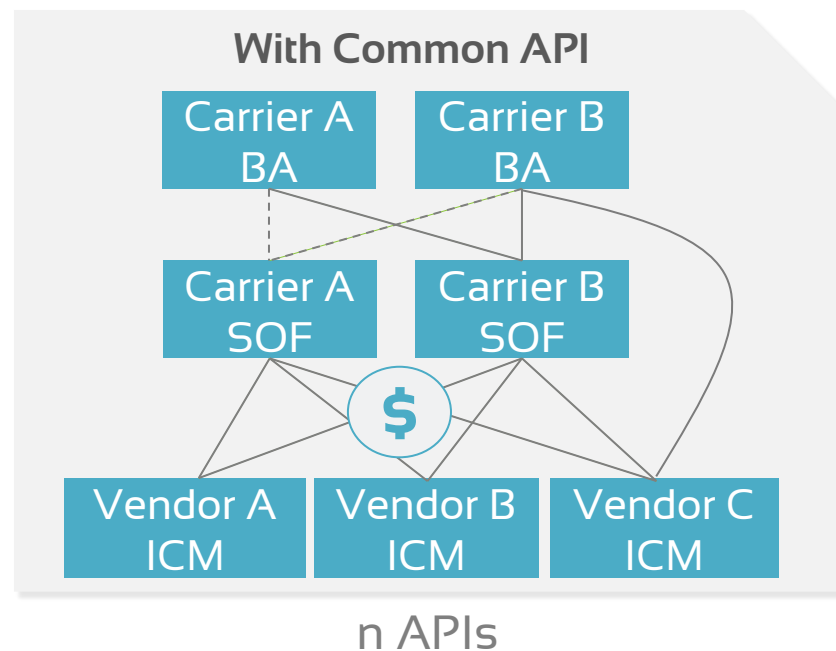
- Standard APIs prevent each vendor from having to implement every providers' APIs

Reduced implementation costs

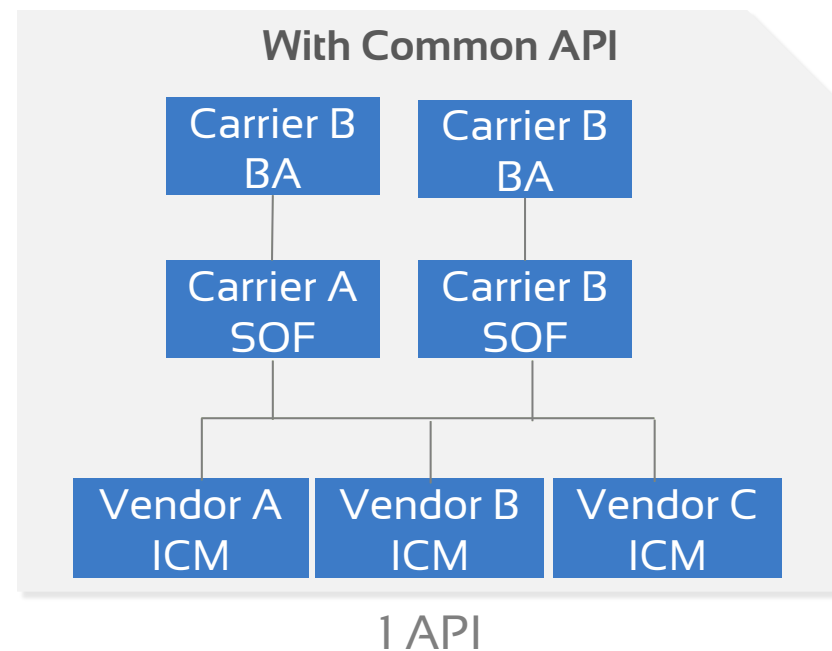
- Service providers don't have to integrate a vendor's proprietary APIs.
- Potential for service providers to compare and adopt best in breed platforms and solutions

Reduced development costs

- Common models ease internal development of microservices by eliminating mapping between proprietary vendor models for internal logic



vs



LSO Presto & Legato APIs are based on FCAPS

Once the LSO interface is selected, the functionality of the API is selected.

The typical API functions are:

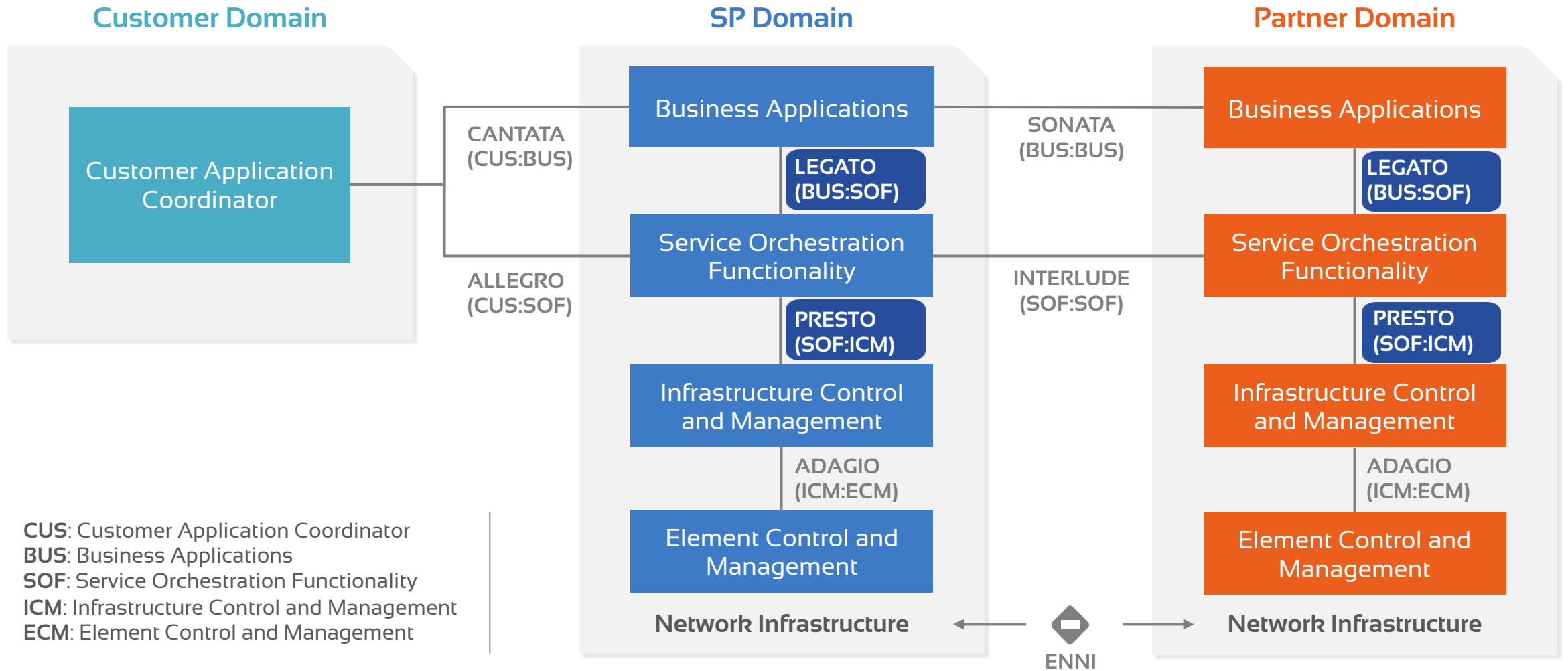
- Configuration/Activation
- Fault/Events
- Telemetry/TCAs
- Accounting/Authorization
- Security

ONF TAPI selected as a common model for Presto IRP

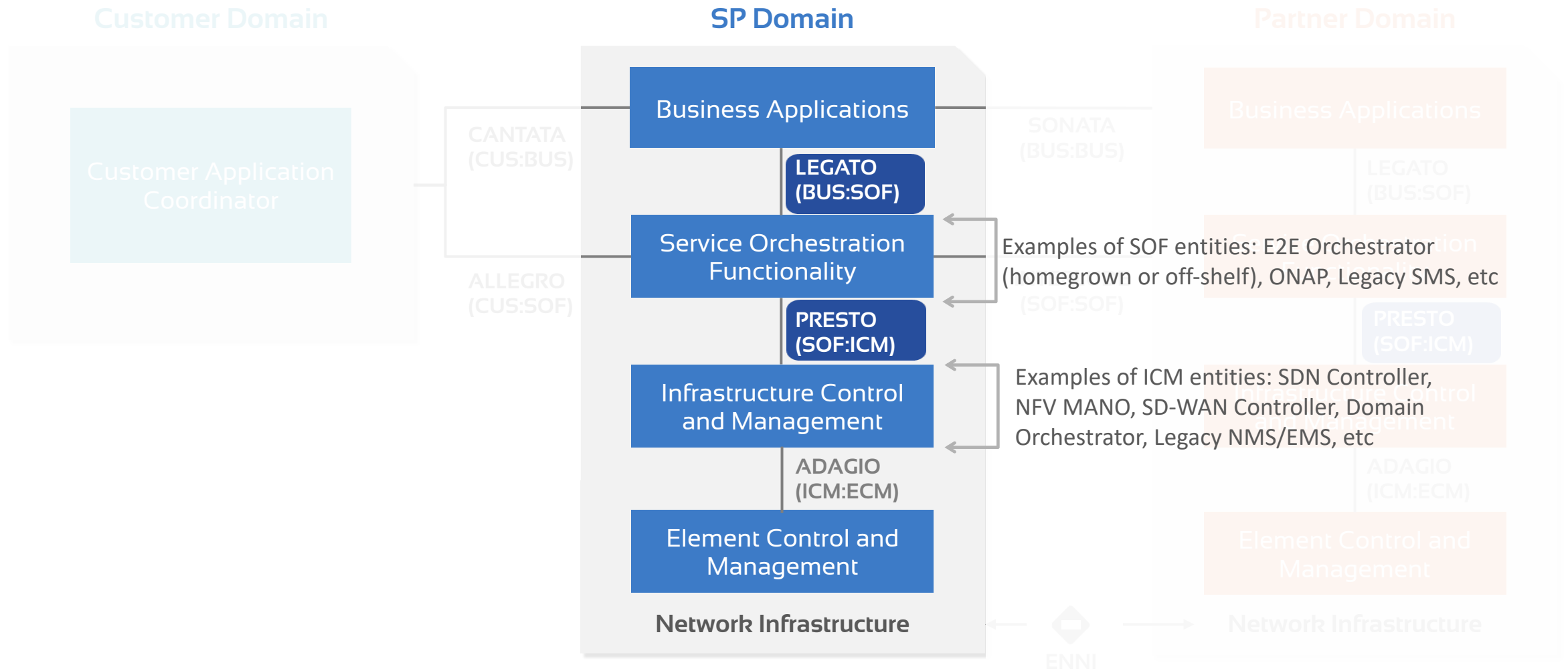
TM Forum Service Management selected as common model for Legato IRP (for some of FCAPS functions)



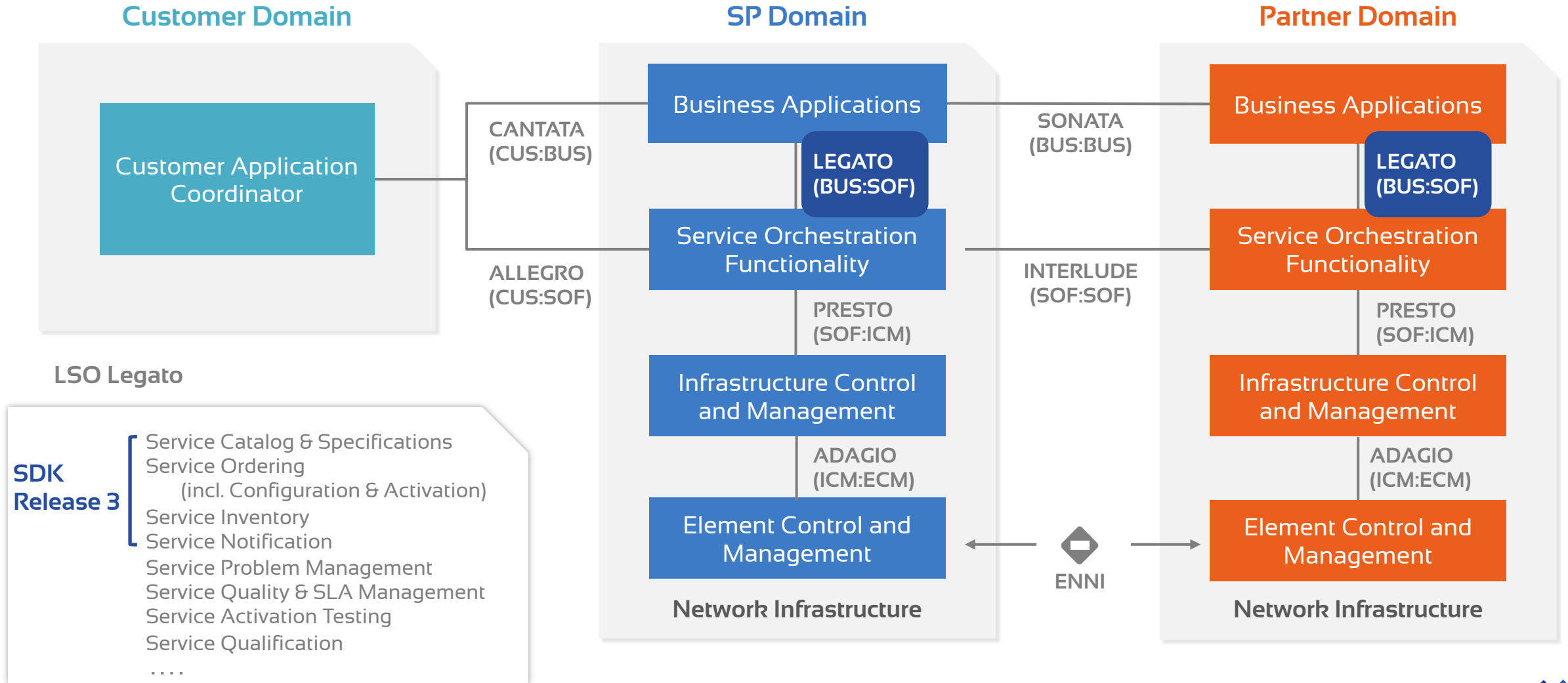
The LSO Reference Architecture: MEF 55



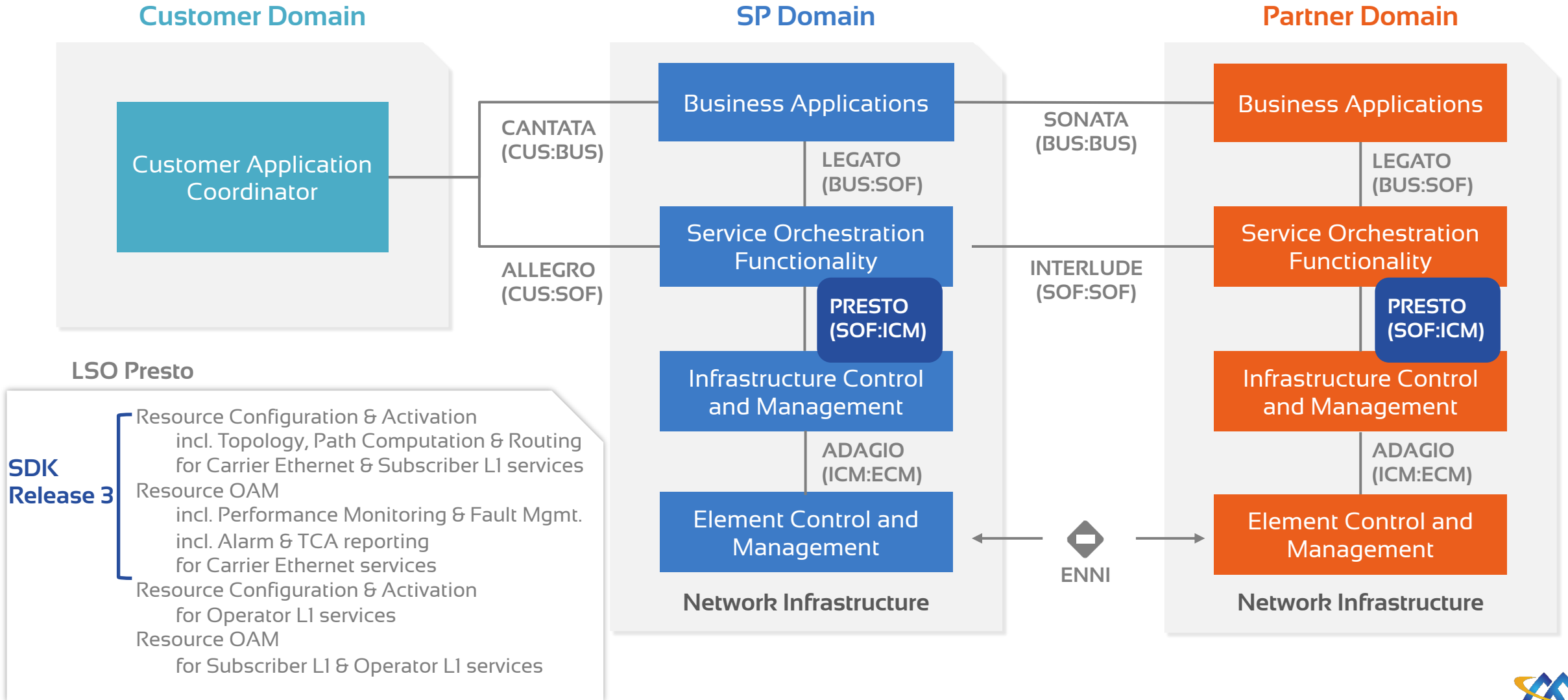
Infrastructure Control and Management Examples



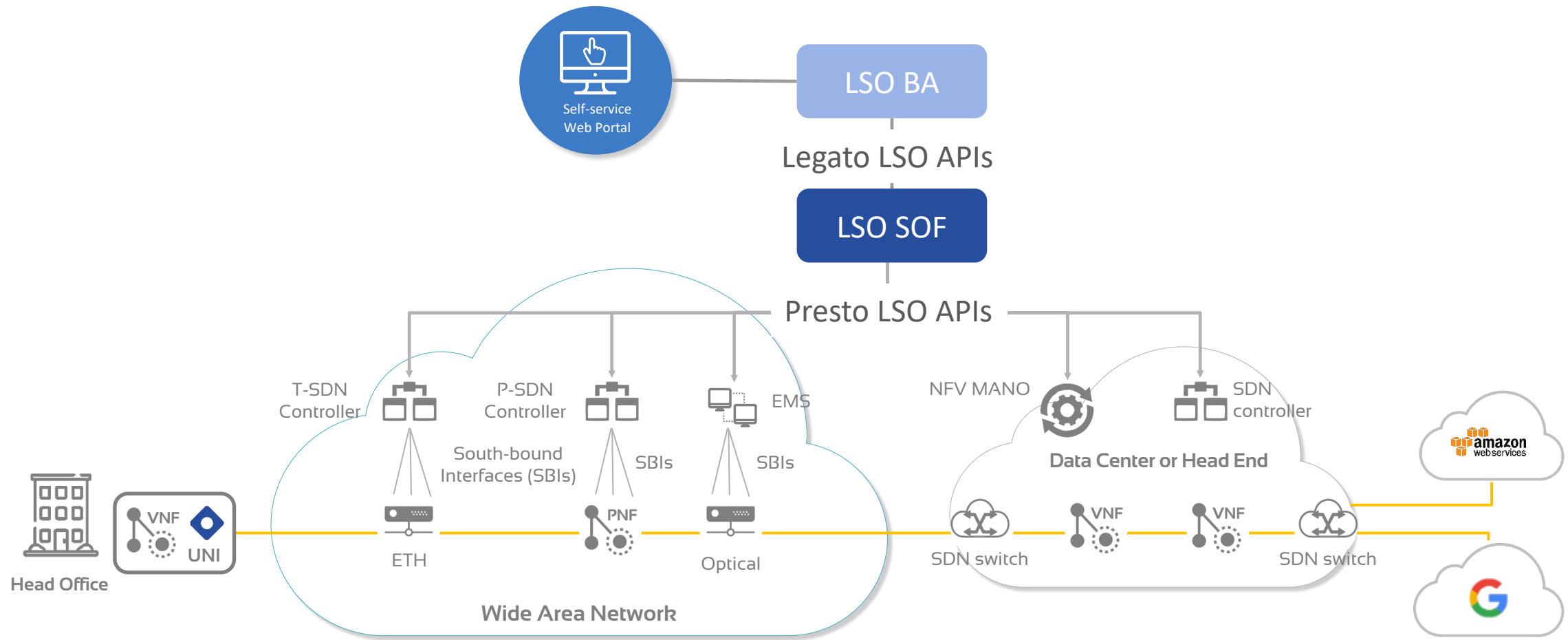
LSO Legato



LSO Presto

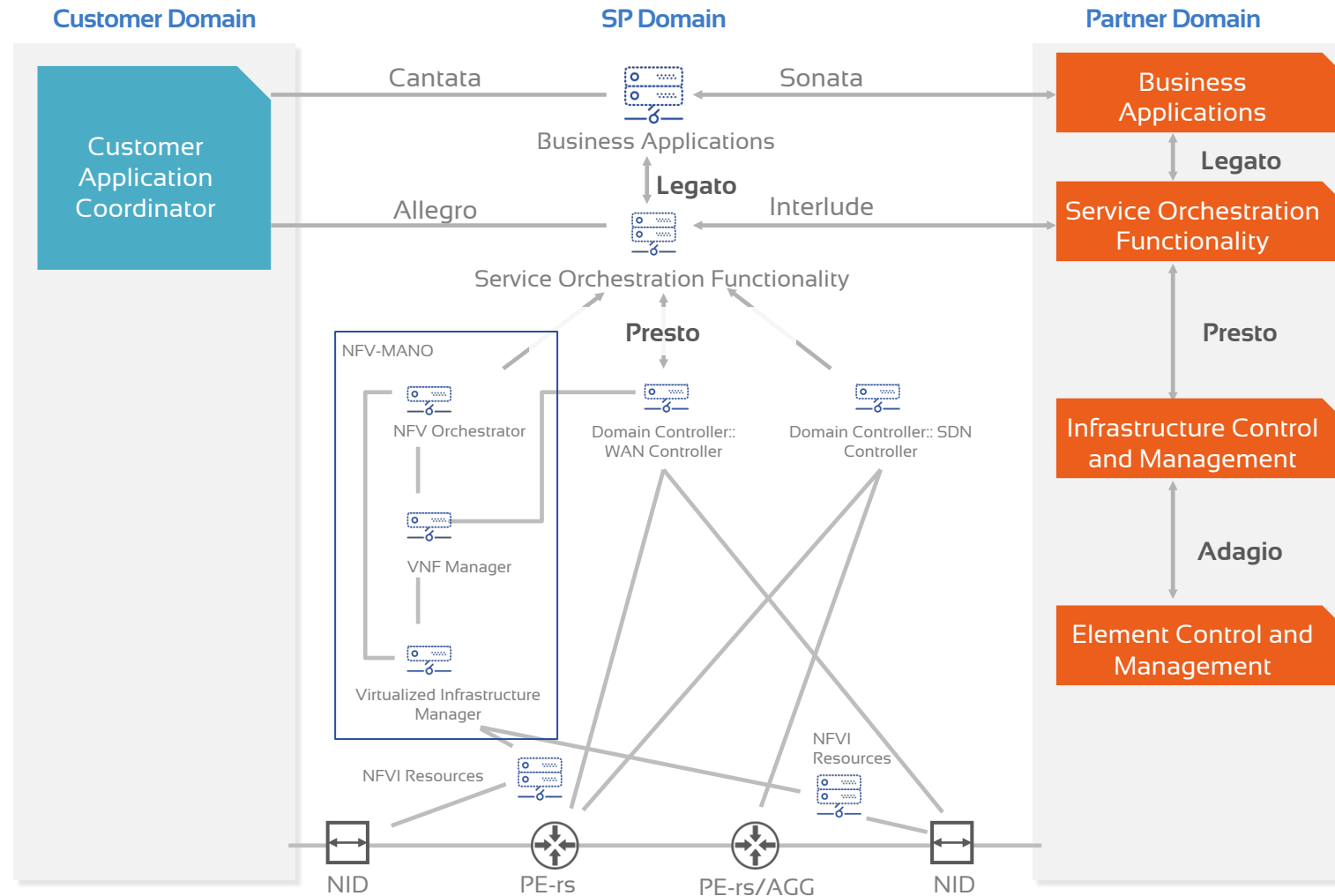


Example Scenarios of Presto LSO APIs



Supporting SDN/NFV, Legacy and Hybrid Technologies

LSO Presto APIs alongside the LSO reference architecture, enable the hybrid implementation of legacy, SDN and NFV technologies.



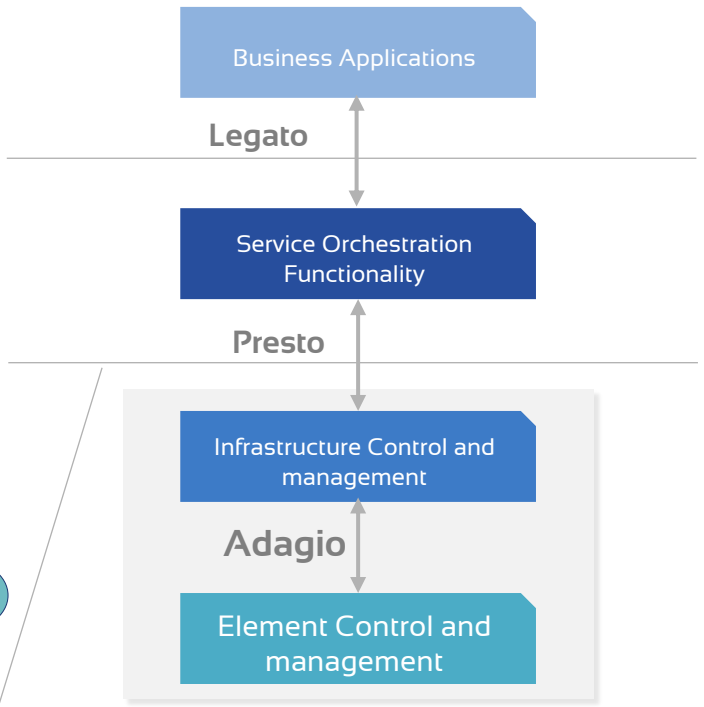
Use Cases



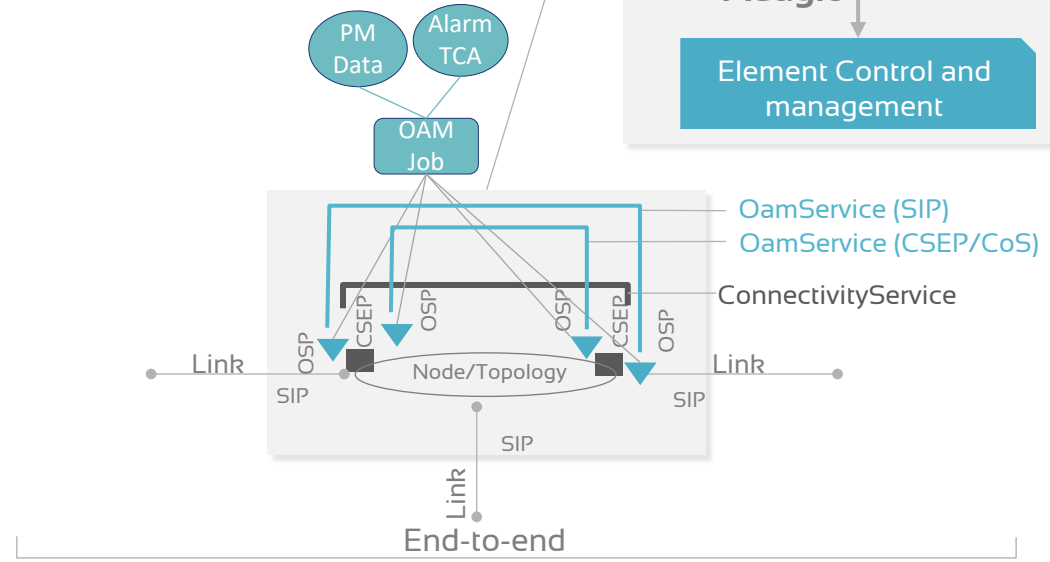
EVC Scenario over an ICM domain in a SP Network

```

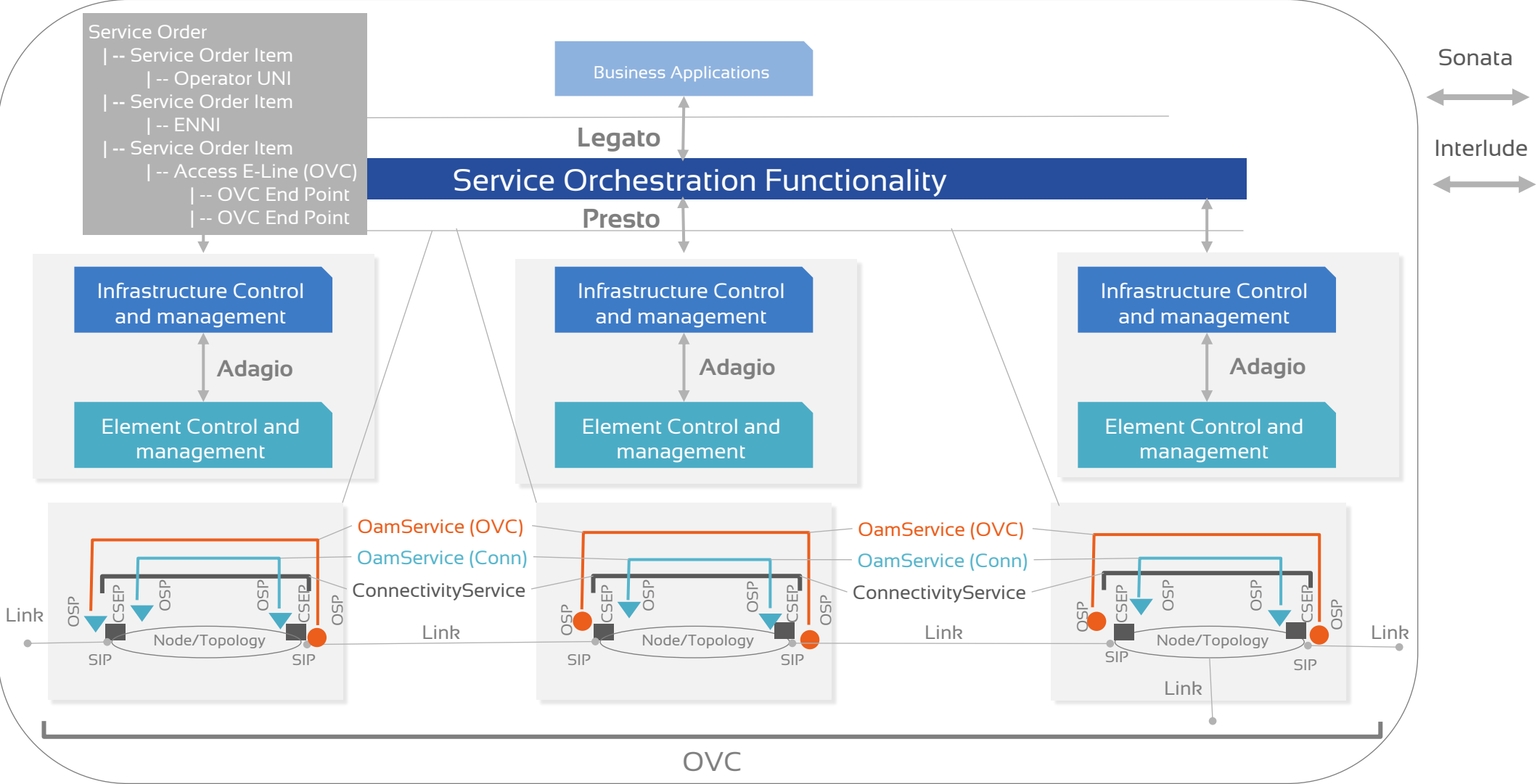
Service Order
|-- Service Order Item
    |-- Subscriber UNI
|-- Service Order Item
    |-- Subscriber UNI
|-- Service Order Item
    |-- EVPL (EVC)
        |-- EVC End Point
        |-- EVC End Point
    
```



- Key**
- ▼ OSP – OamServicePoint (MEP)
 - CSEP – ConnectivityServiceEndPoint
 - SIP - ServiceInterfacePoint



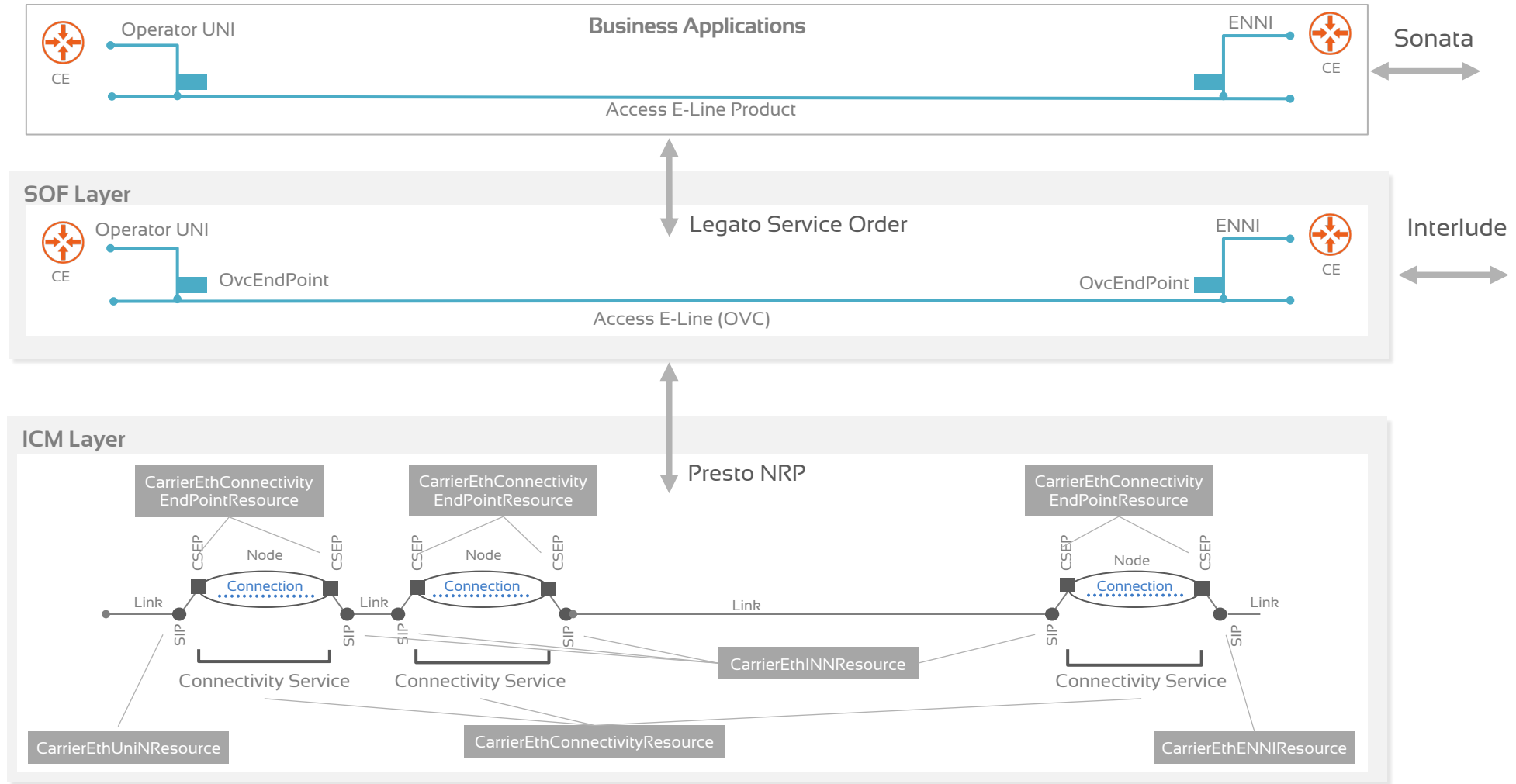
OVC Scenario over 2+ ICM domains in an SP Network



- Key**
- OSP – OamServicePoint (MIP)
 - ▼ OSP – OamServicePoint (MEP)
 - CSEP – ConnectivityServiceEndPoint
 - SIP - ServiceInterfacePoint

Operator Service & Resource Provisioning across Legato & Presto

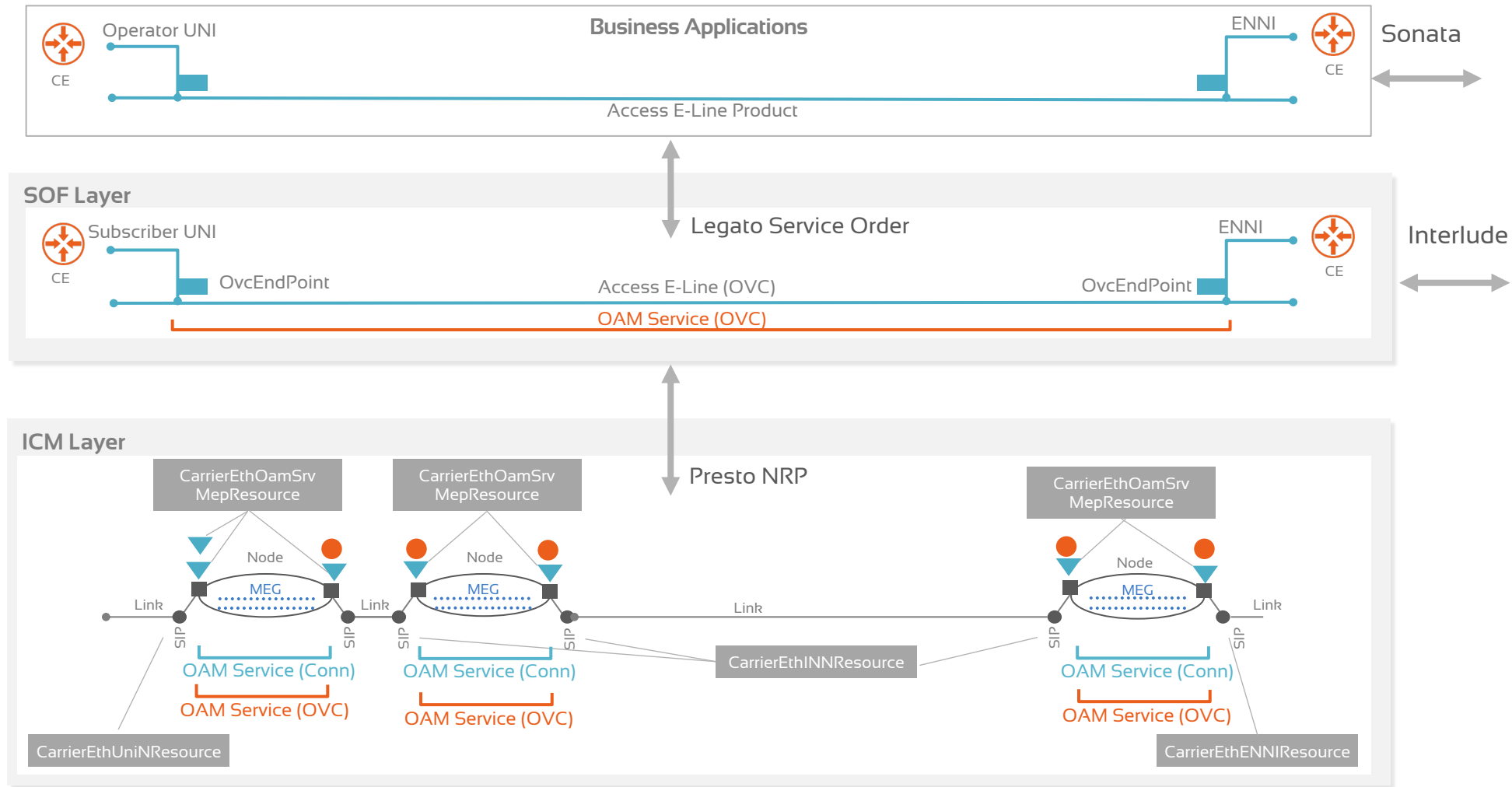
IRP for Access E-Line



Key

- OSP – OamServicePoint (MIP)
- ▼ OSP – OamServicePoint (MEP)
- CSEP – ConnectivityServiceEndPoint
- SIP - ServiceInterfacePoint

Operator Service & Resource OAM across Legato & Presto IRP for Access E-Line



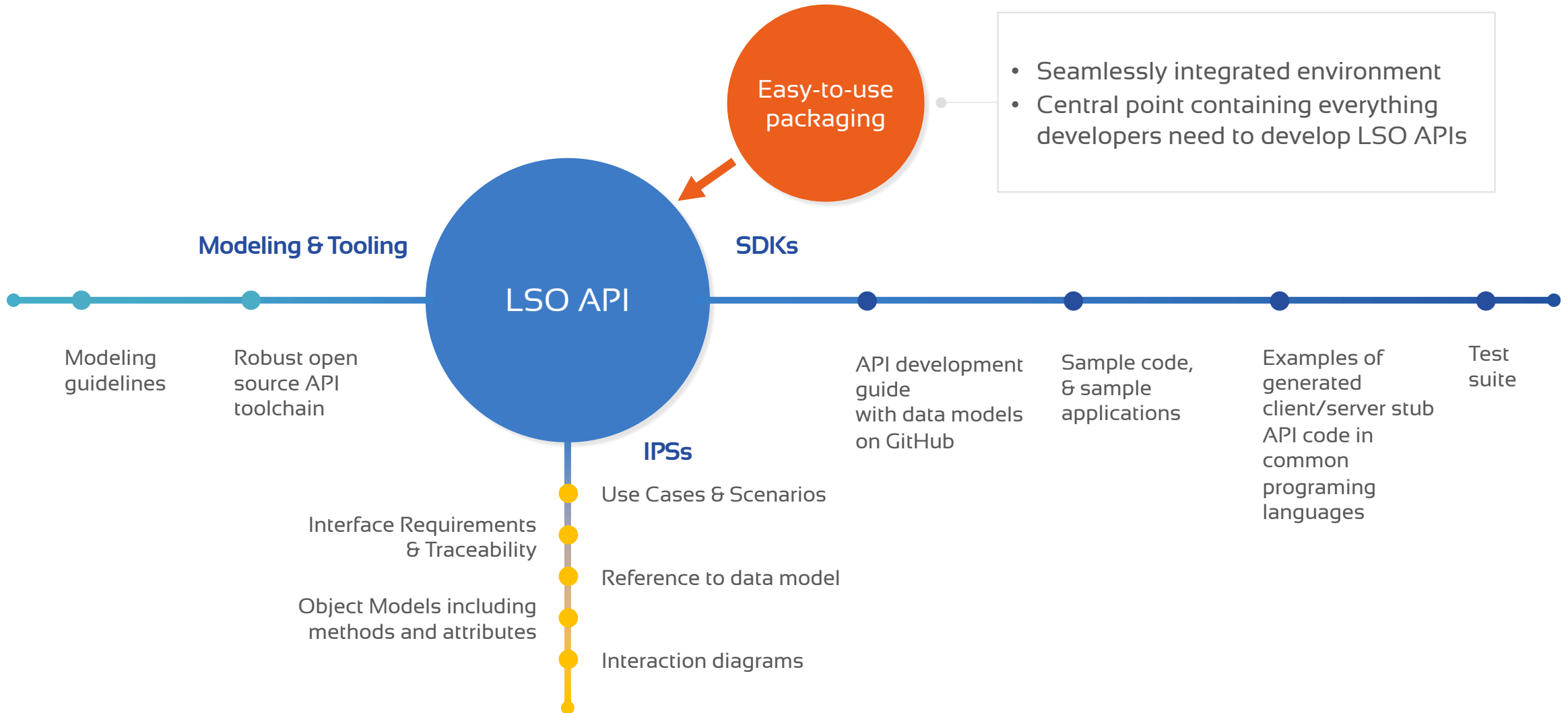
Key

- OSP – OamServicePoint (MIP)
- ▼ OSP – OamServicePoint (MEP)
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Presto & Legato Roadmaps



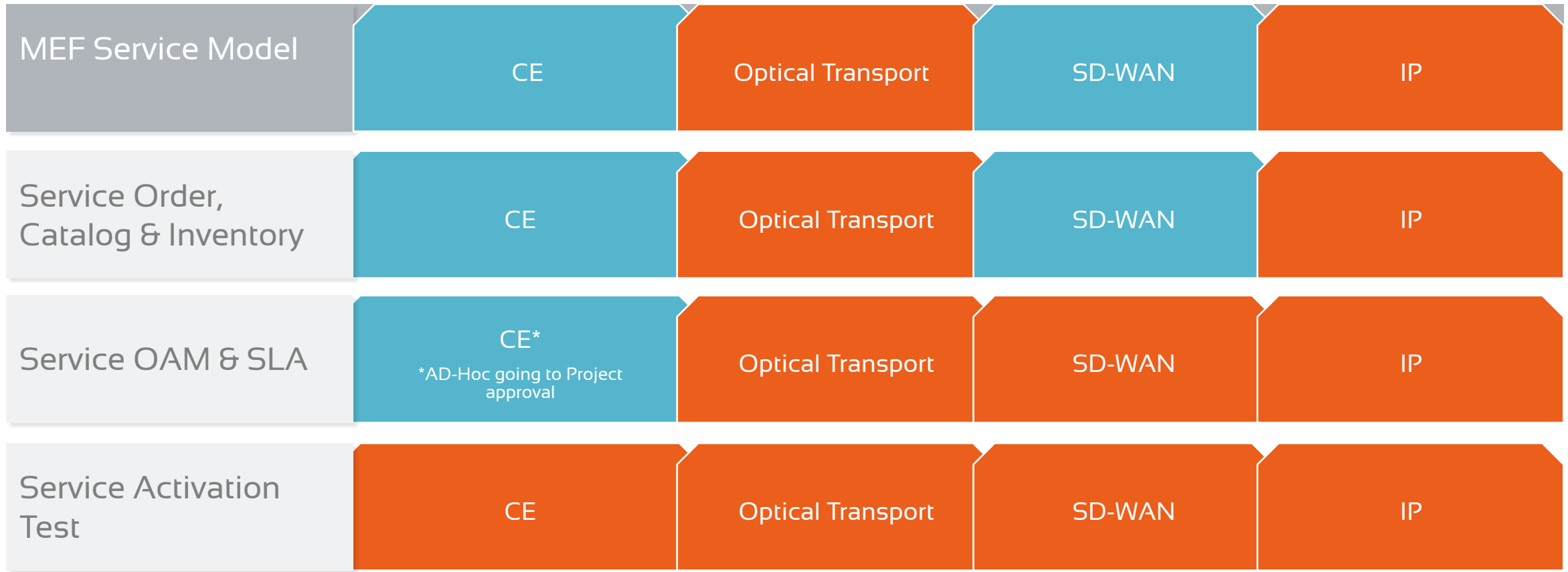
Provide easy-to-use LSO API packaging to create a frictionless experience for developers



*LSO Committee Project developing these artifacts

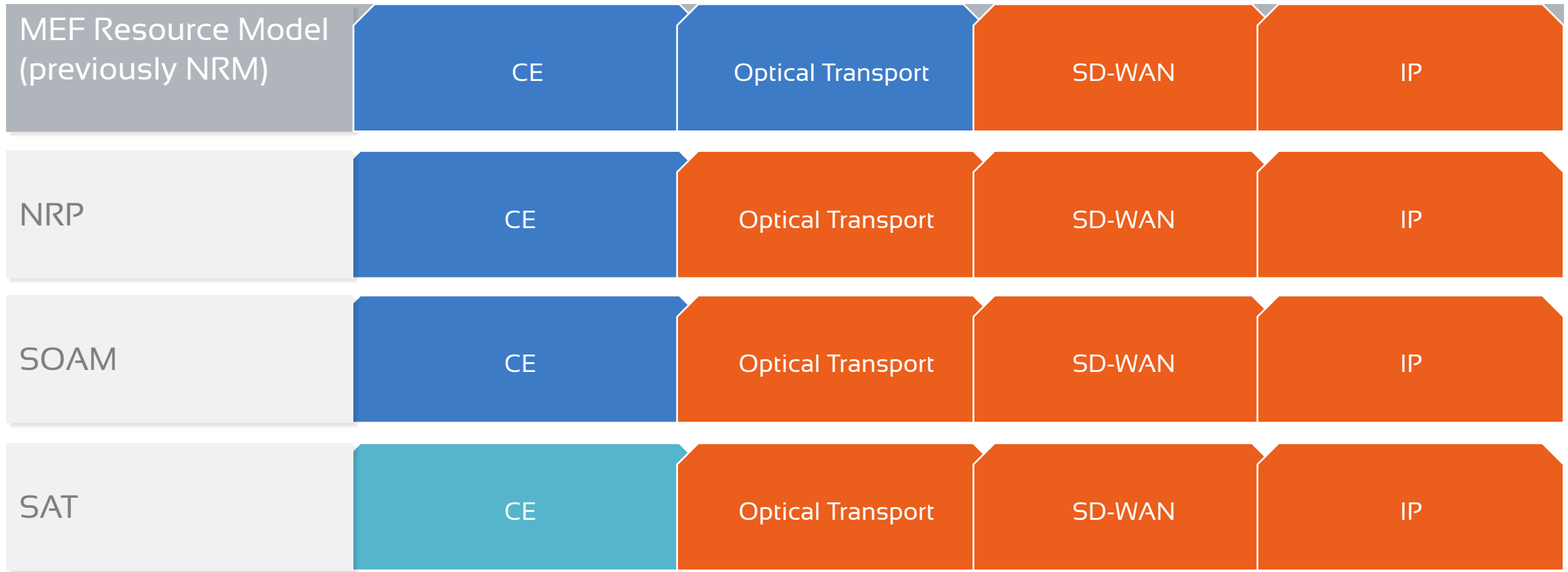
LSO Legato Release Roadmap

● Released ● In Development ● In Planning



LSO Presto Release Roadmap

● Released ● In Development ● In Planning



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