



MEF19



WORKSHOP II

LSO APIs:

Enabling Service Automation Across
Multiple Providers & Technology Domains



End-to-End Service Automation – LSO Framework & API Standardization at Multiple Interface Reference Points



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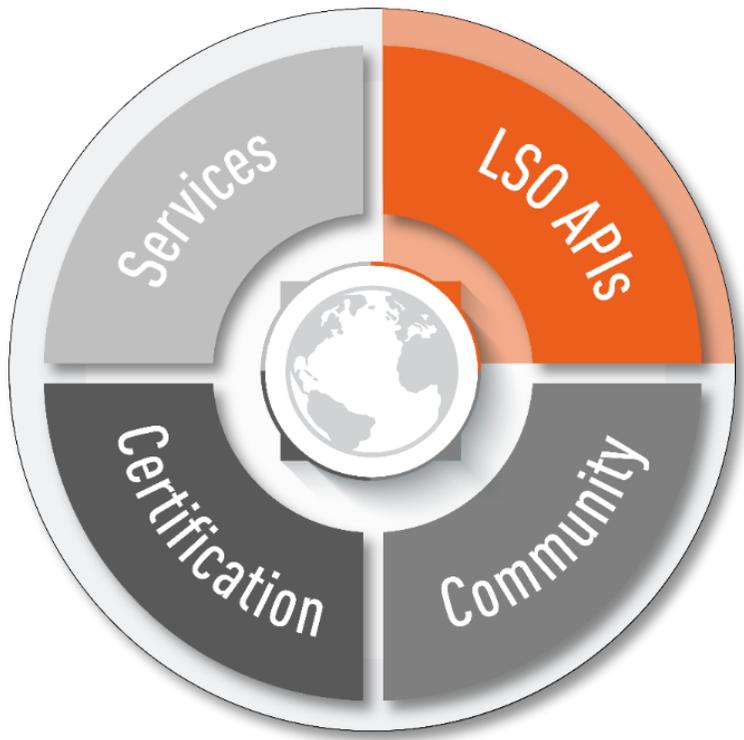
Top Drivers & Challenges for Migrating to Dynamic Services

What are your company's most significant business drivers for migration to new dynamic services?

Top 5 Business Drivers	% of Respondents
1. Faster, more efficient service provisioning	100%
2. Ability to rapidly deliver NFV-based virtual services	94%
3. Offer innovation and differentiation in service delivery	93%
4. Rapid, real-time adjustments to existing services	90%
5. Ability to adapt bandwidth and performance dynamically to application requirements	89%

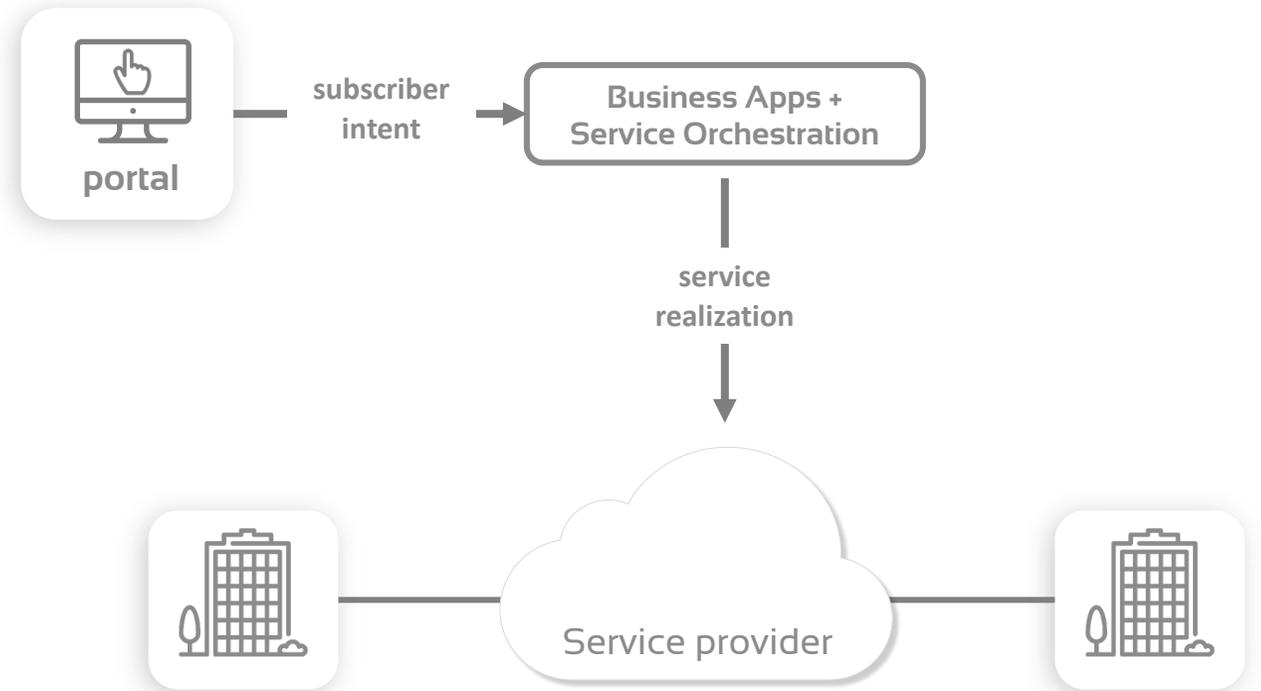
What are your company's most significant business challenges for migration to new dynamic services?

Top 5 Business Challenges	% of Respondents
1. Engineering expertise and technical resources	90%
2. Orchestration across multiple provider networks	84%
3. Orchestration across multiple technology domains within a provider	84%
4. OSS/BSS systems are inadequate to support new services	81%
5. Integrating new services with legacy infrastructures	78%



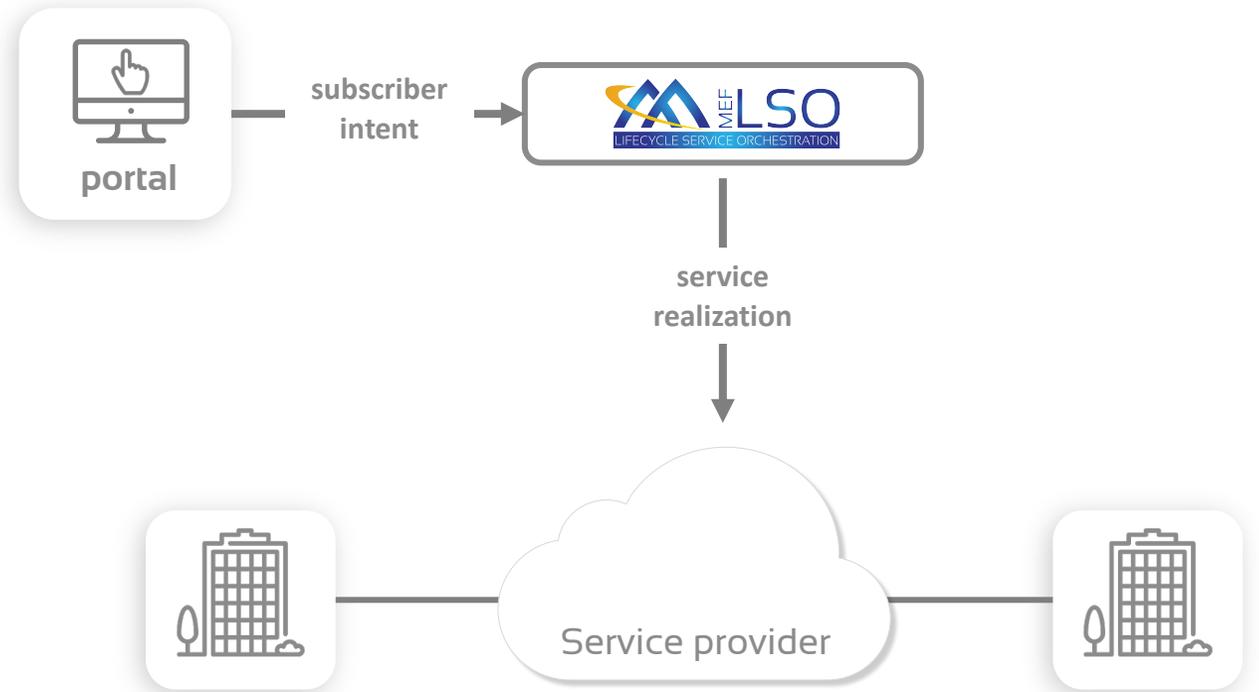
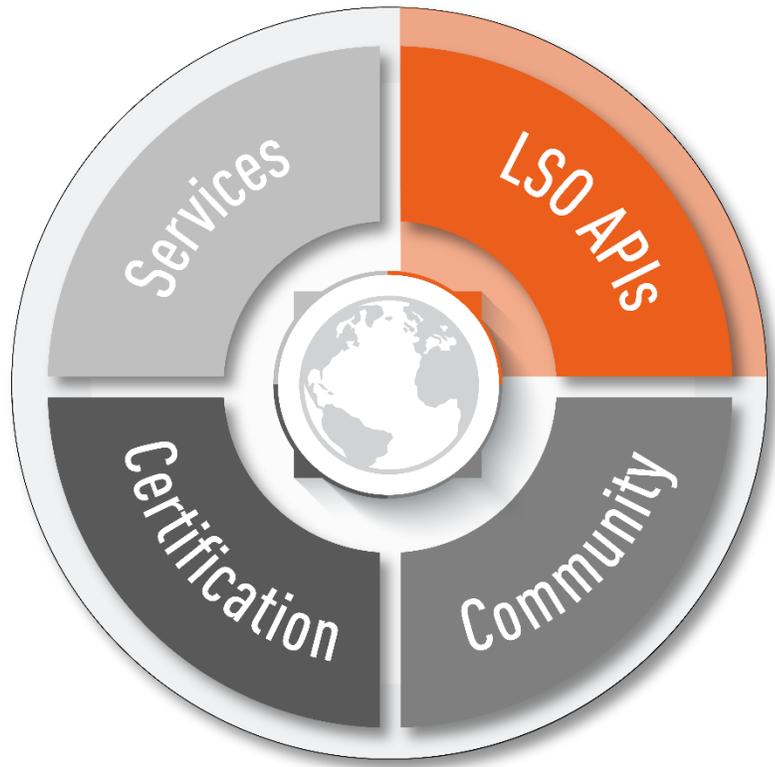
A look into  MEF 3.0
LSO APIs

Goal: Develop a model to automate and orchestrate the lifecycle of a service.



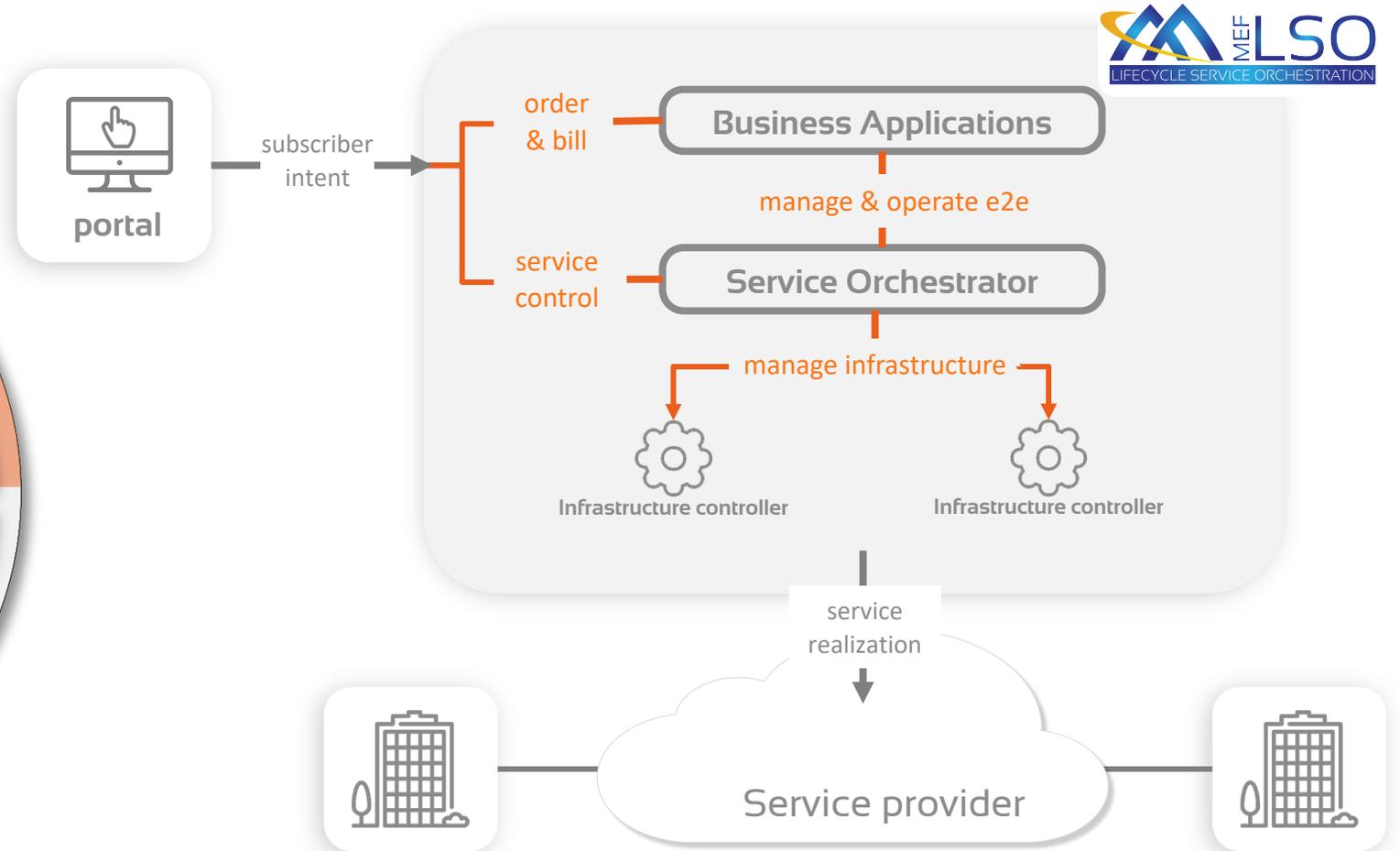
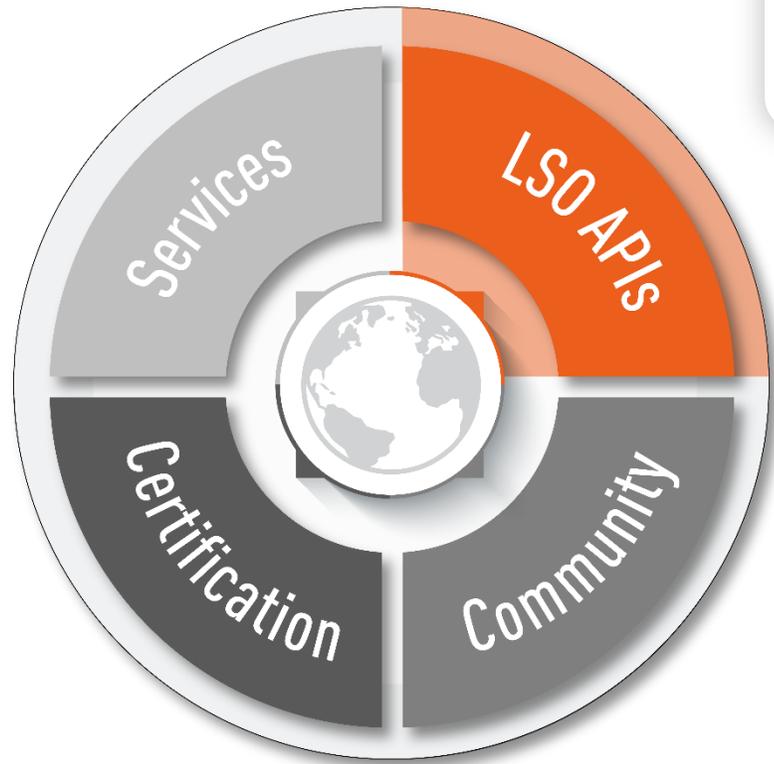
e.g.: Dynamic CE Service

Goal: Develop a model to automate and orchestrate the lifecycle of a service.



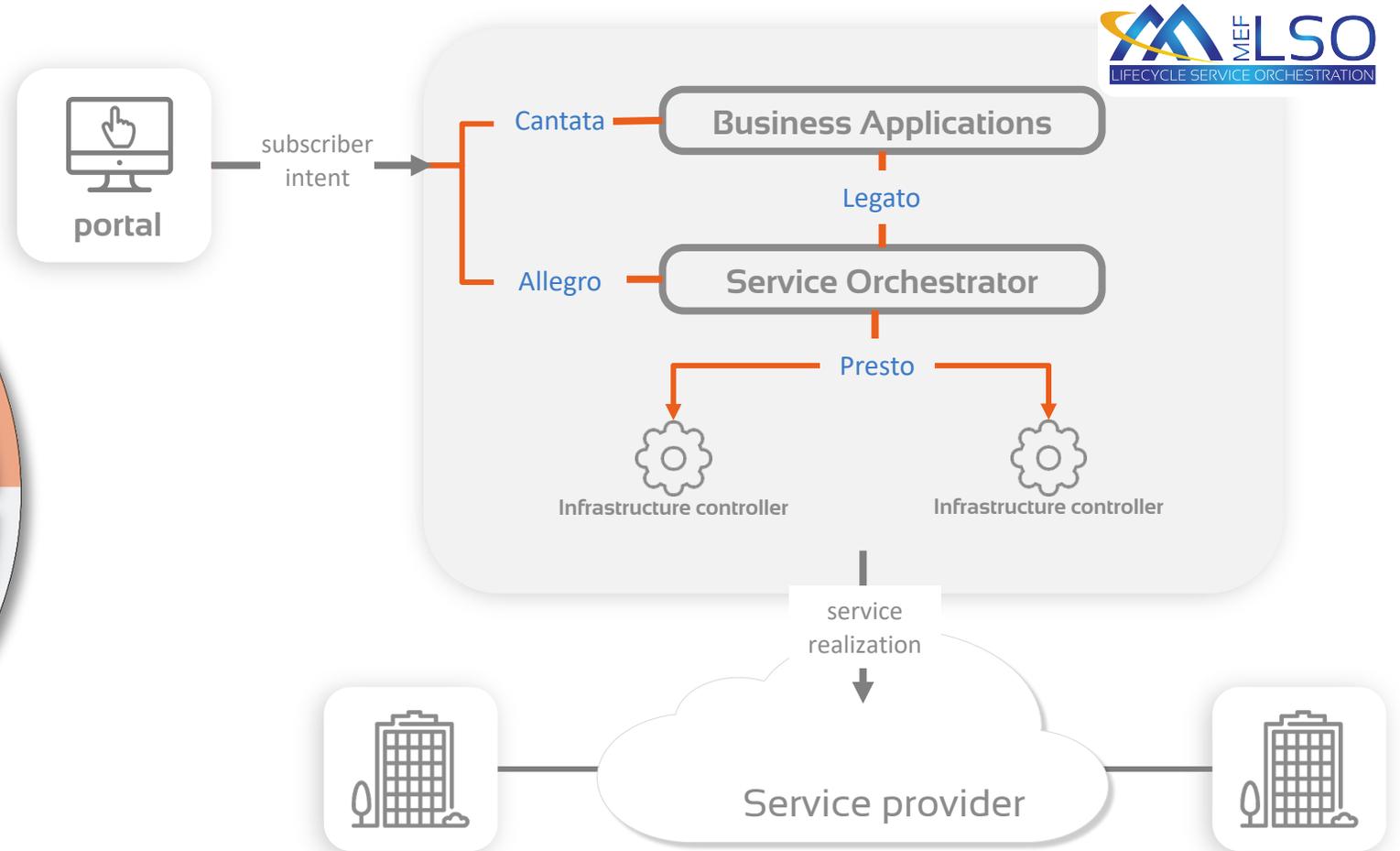
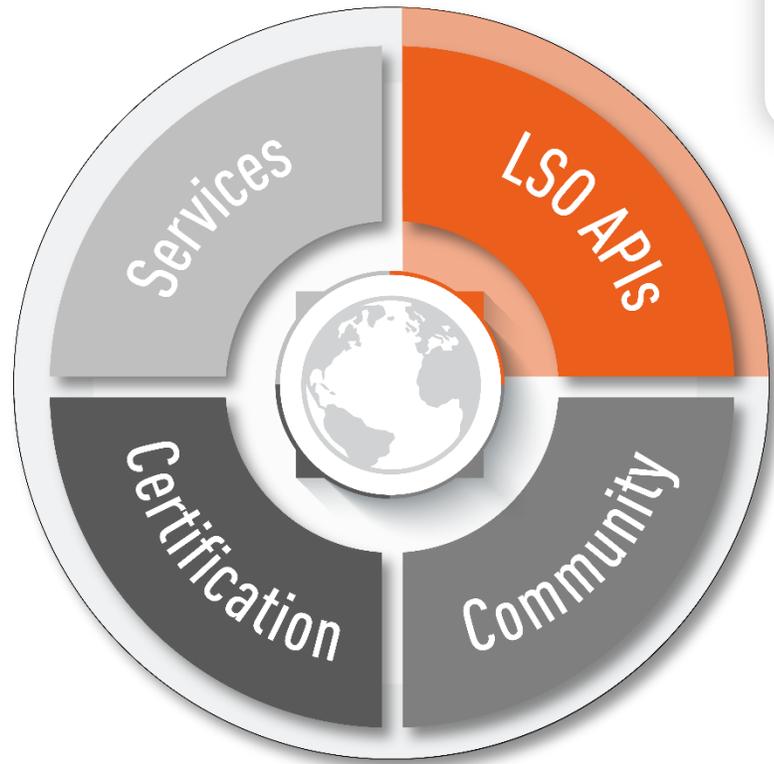
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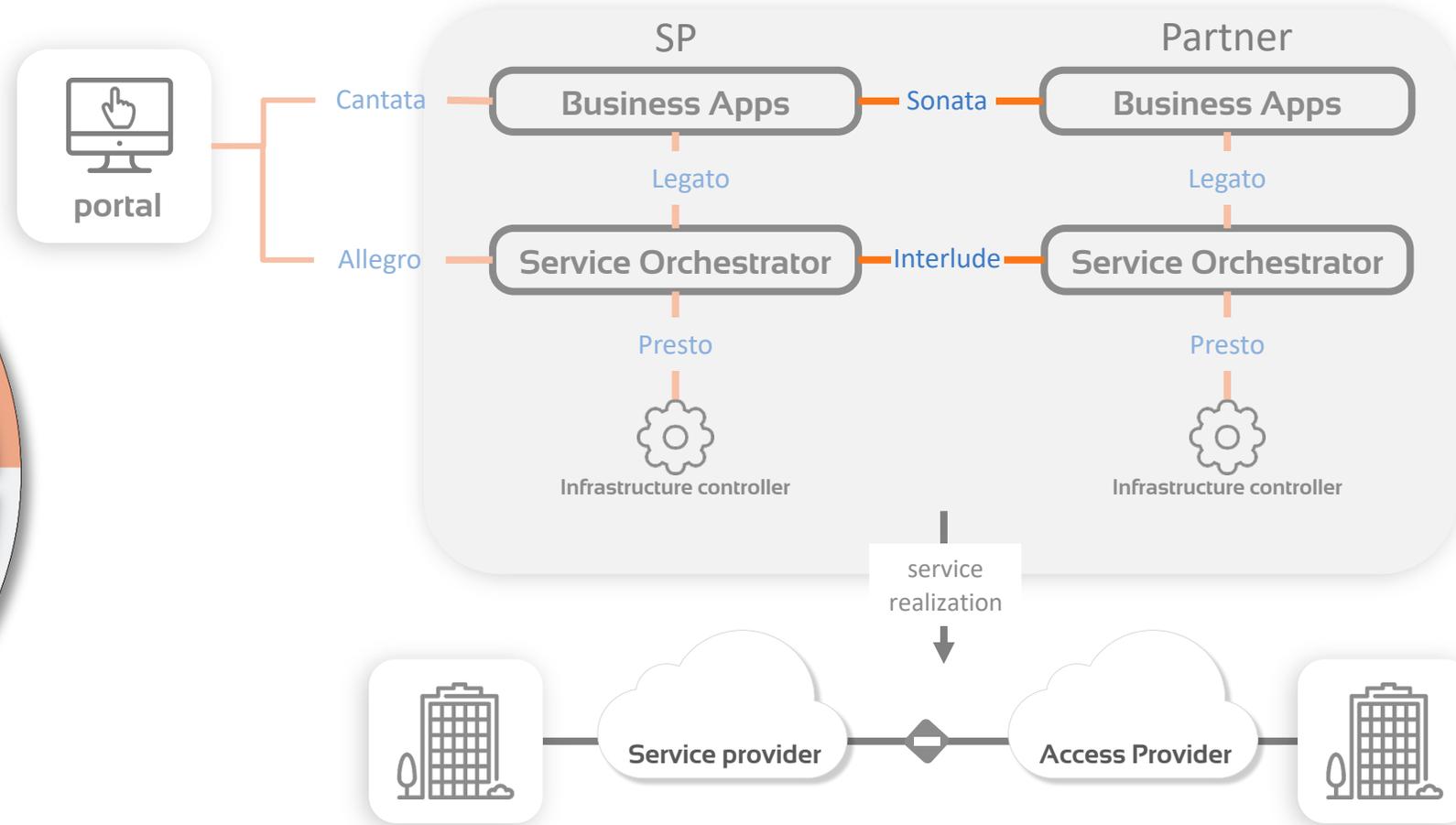
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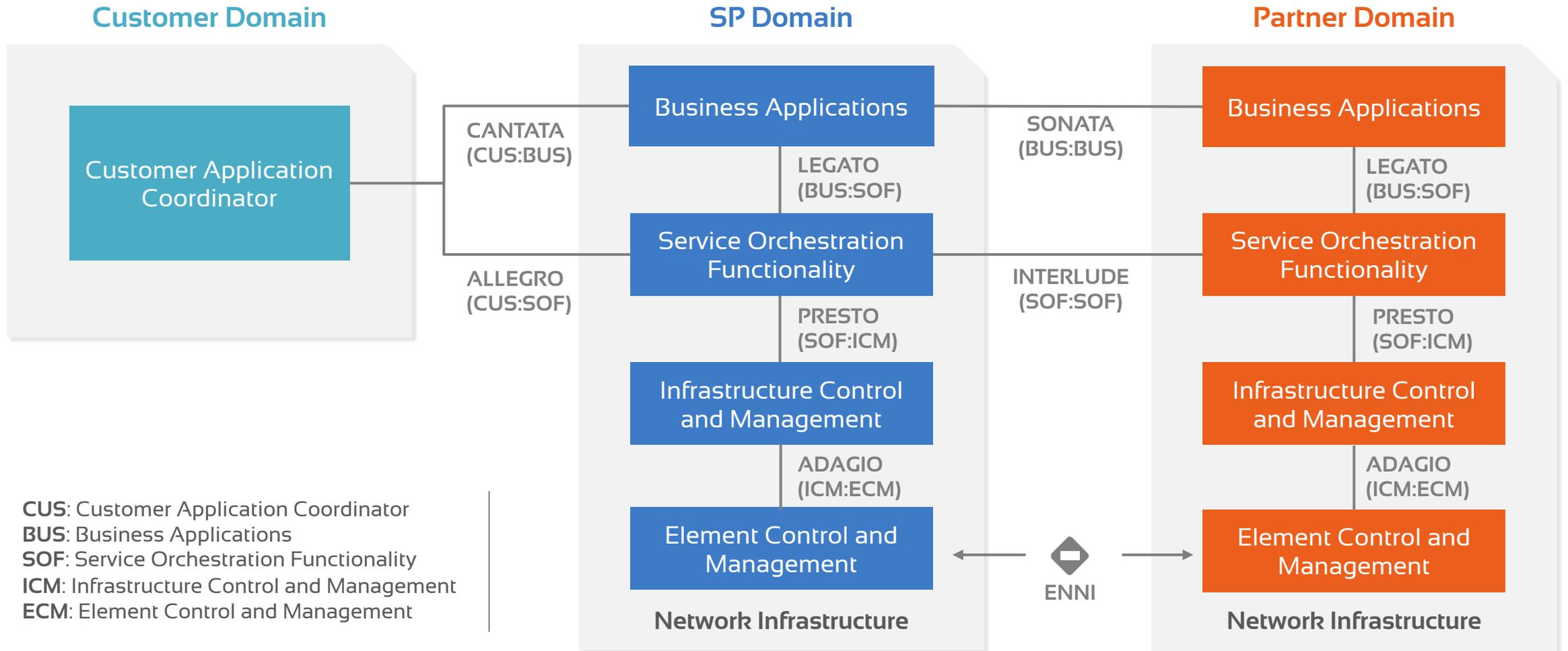
e.g.: Dynamic CE Service

And do so across inter-organizational boundaries.

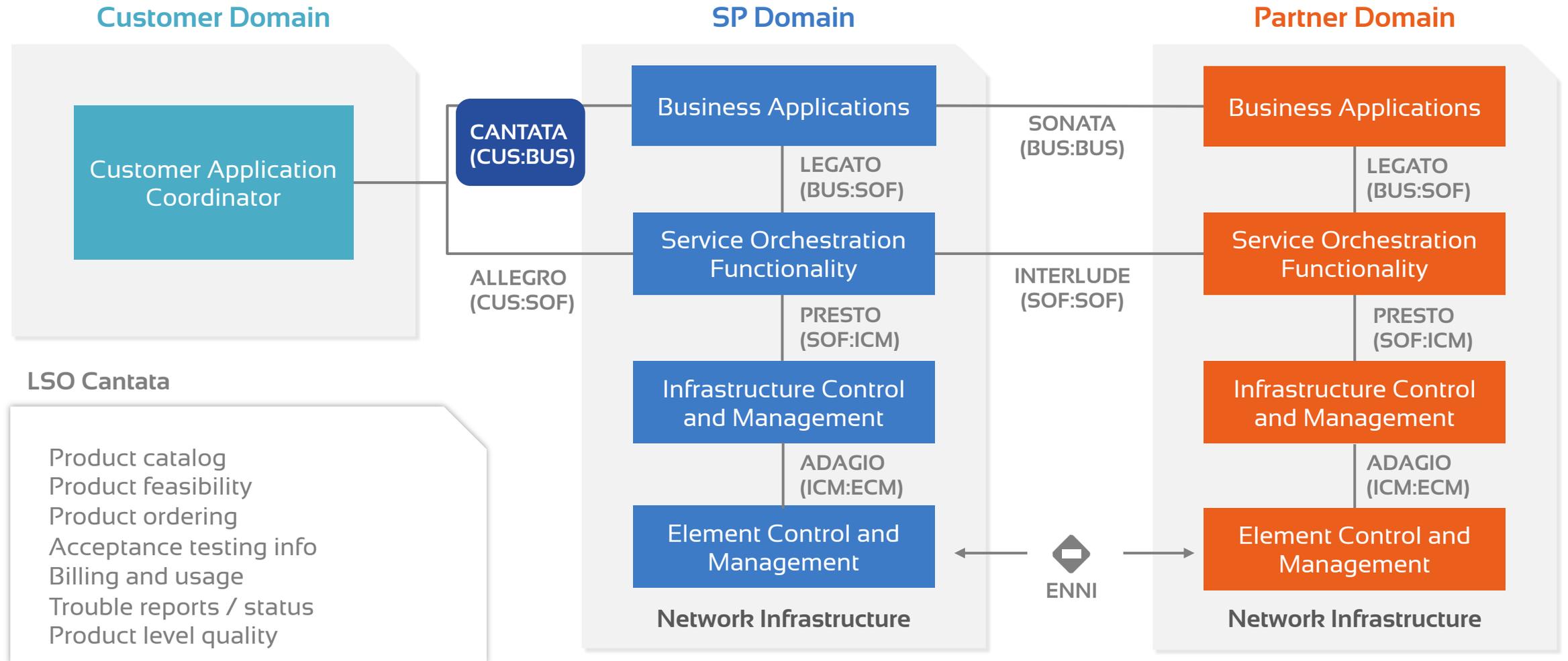


e.g.: Multi-Operator CE Service

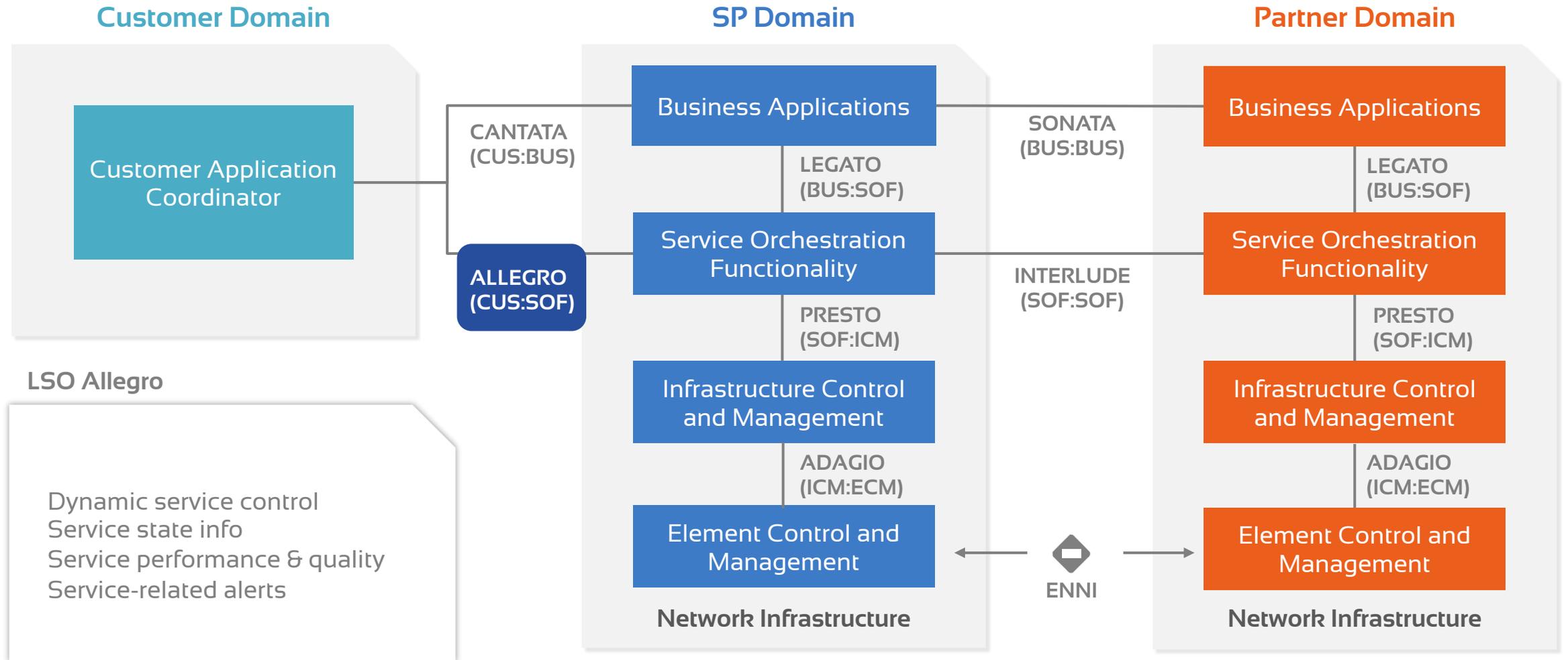
The LSO Reference Architecture: MEF 55



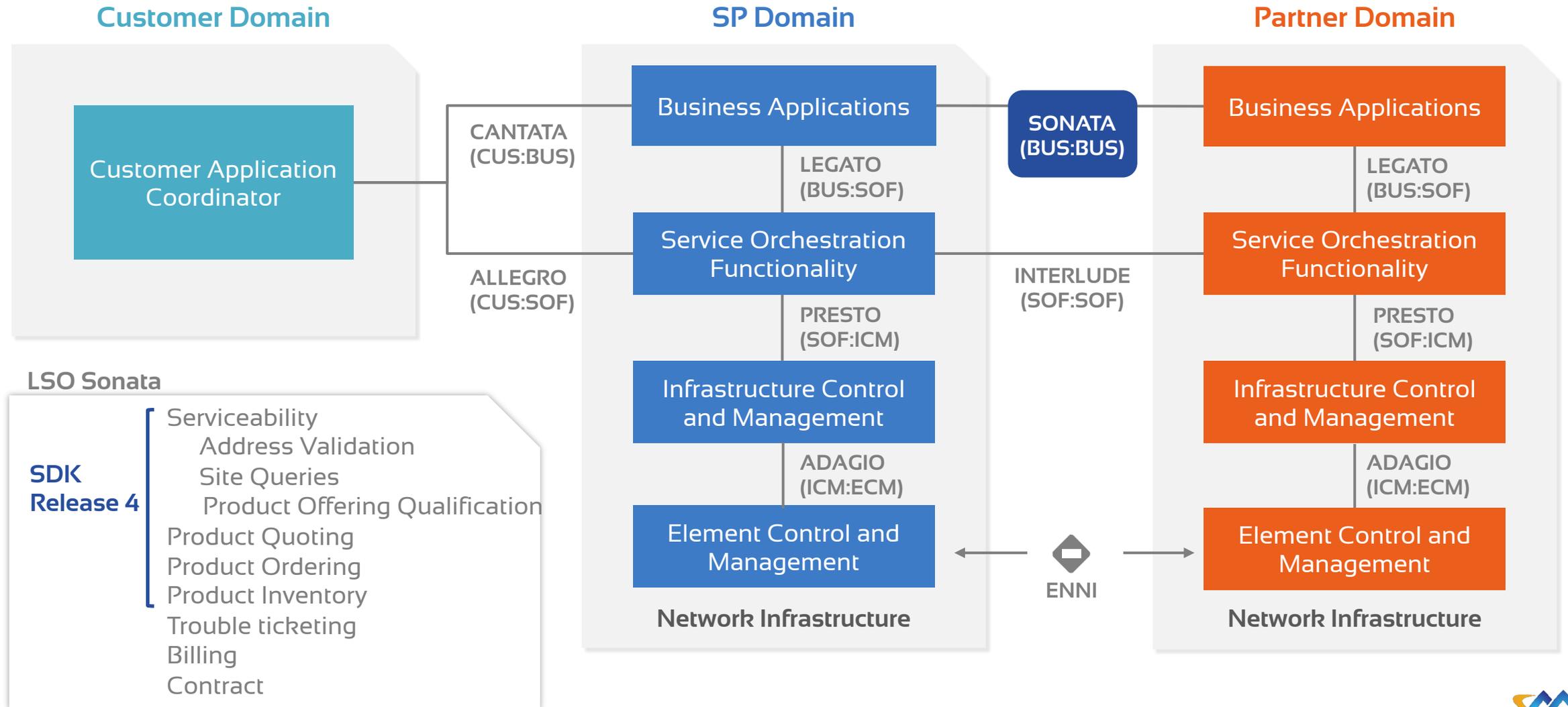
LSO Cantata



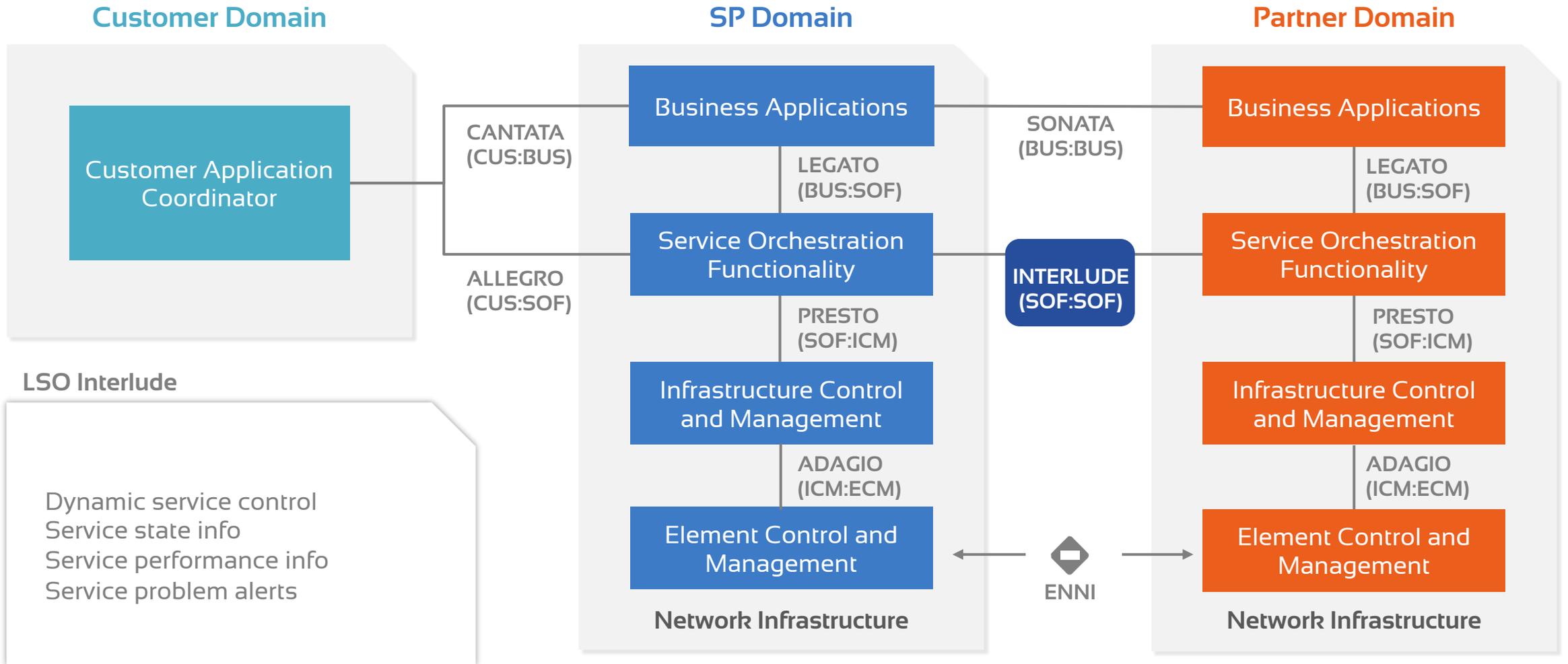
LSO Allegro



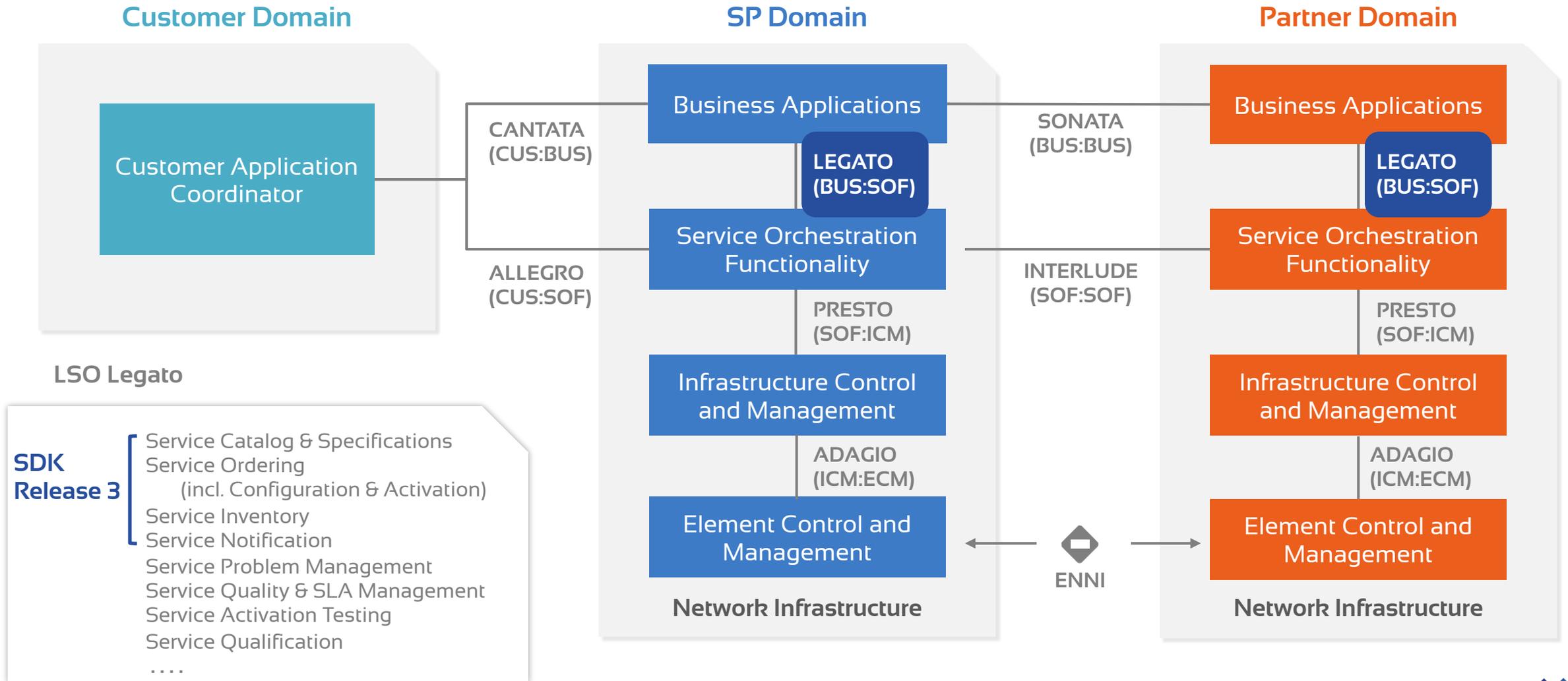
LSO Sonata



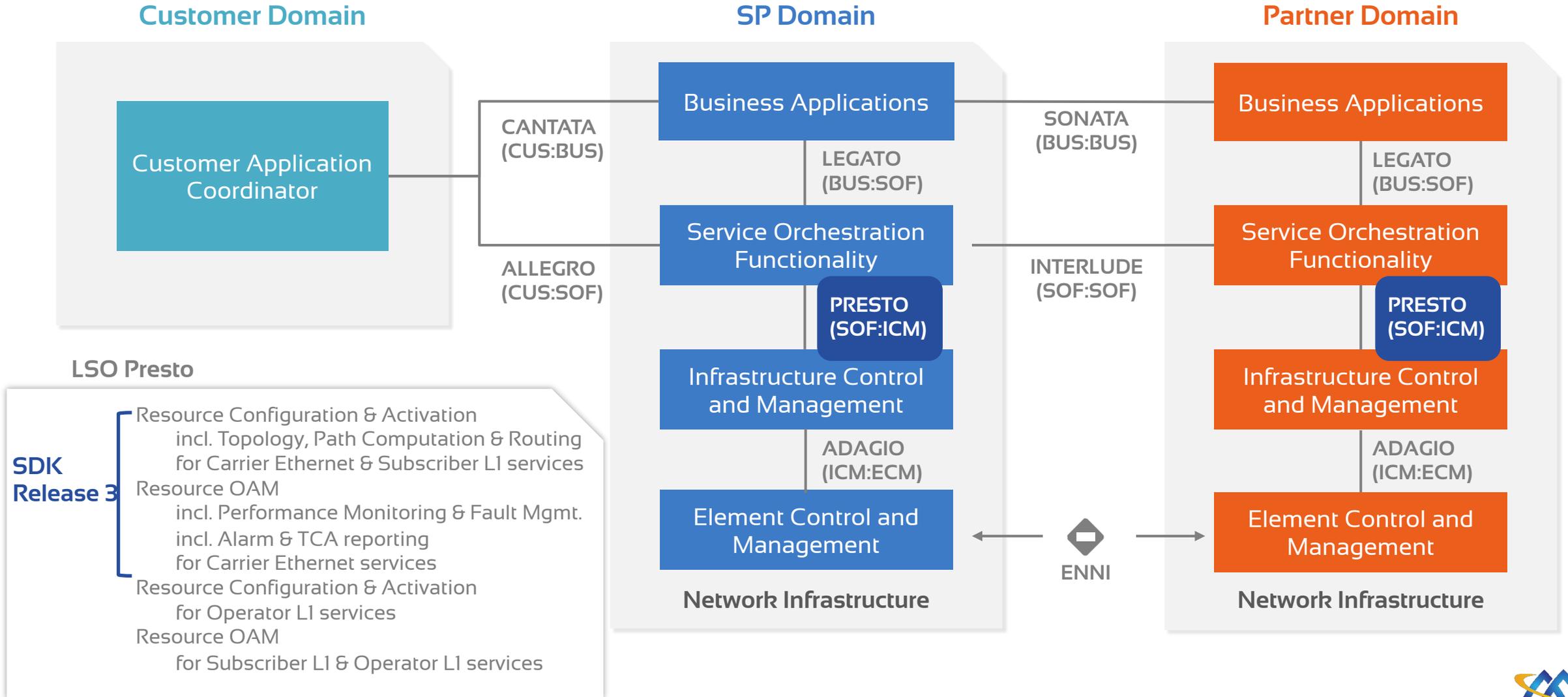
LSO Interlude



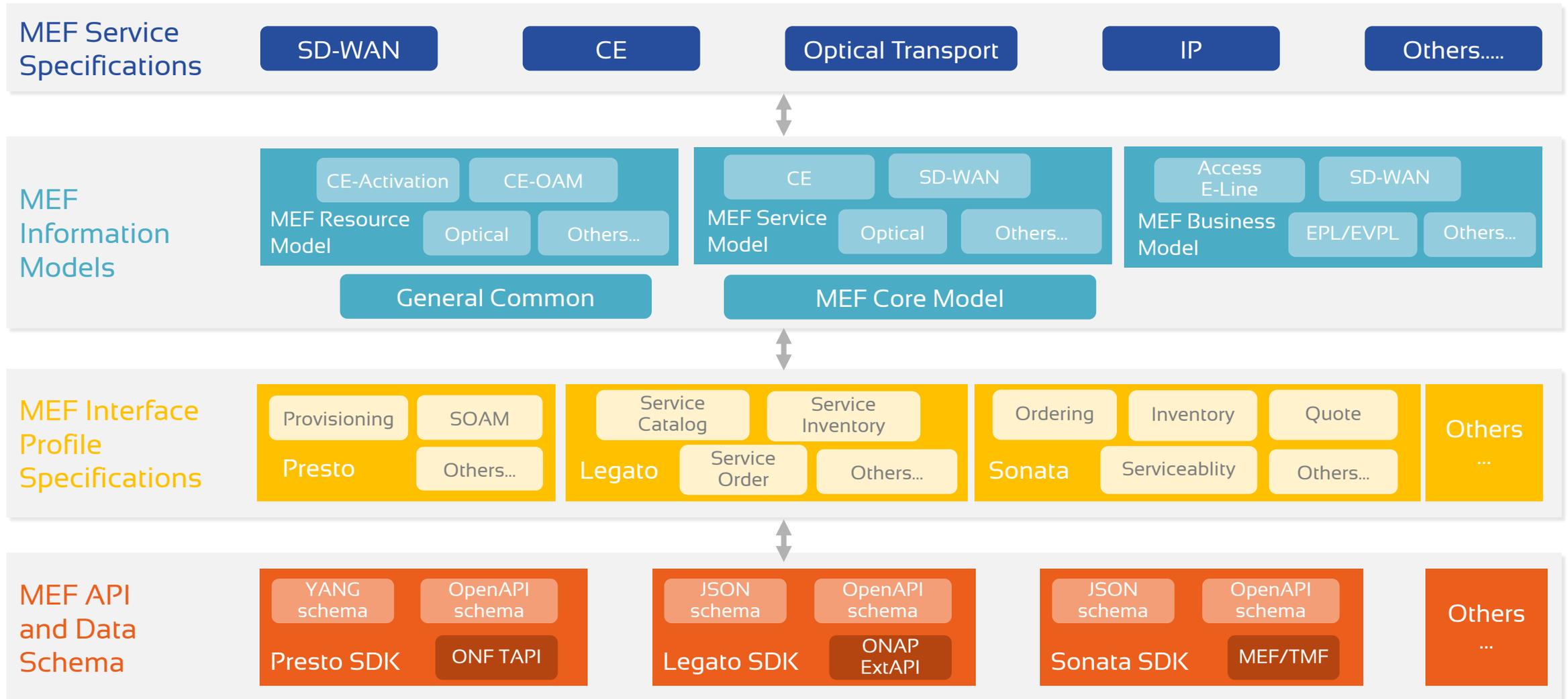
LSO Legato



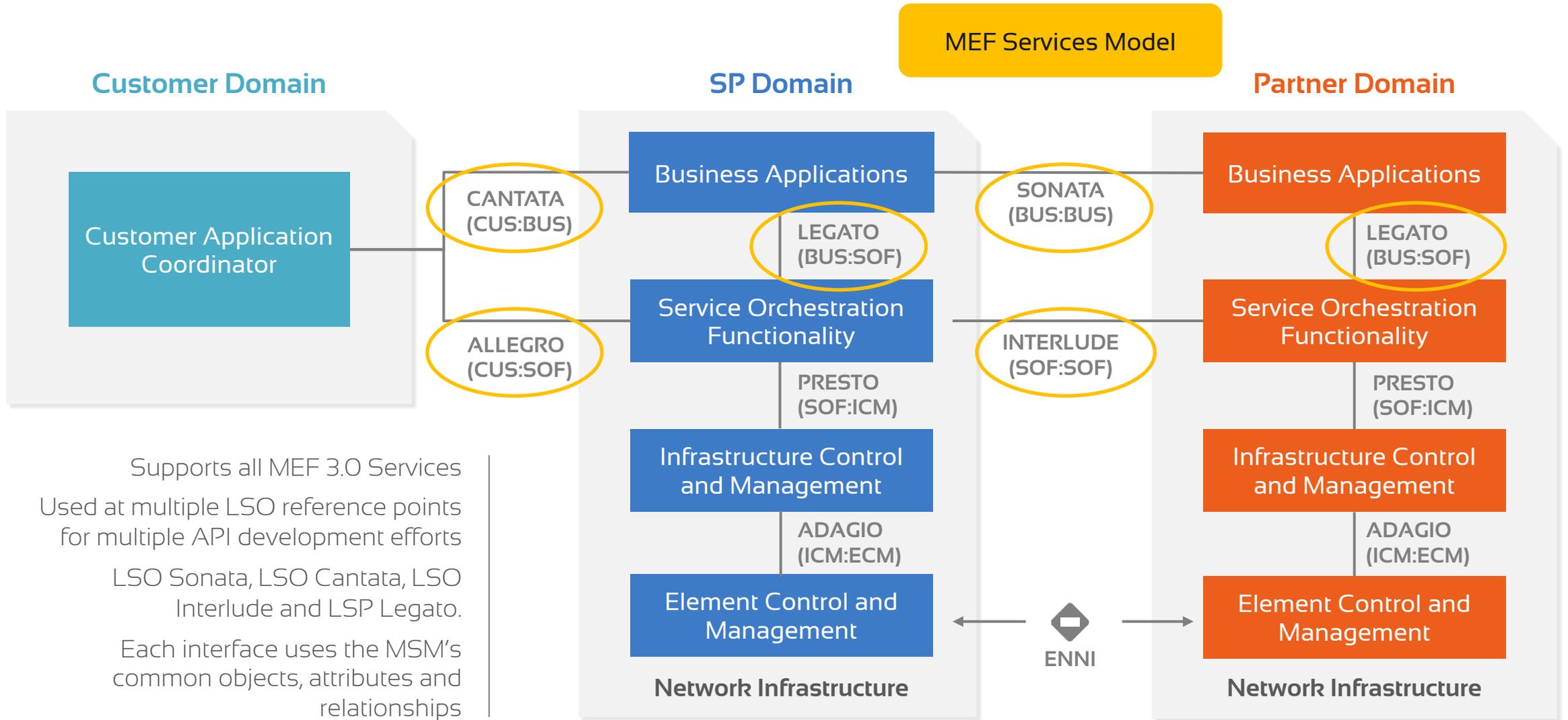
LSO Presto



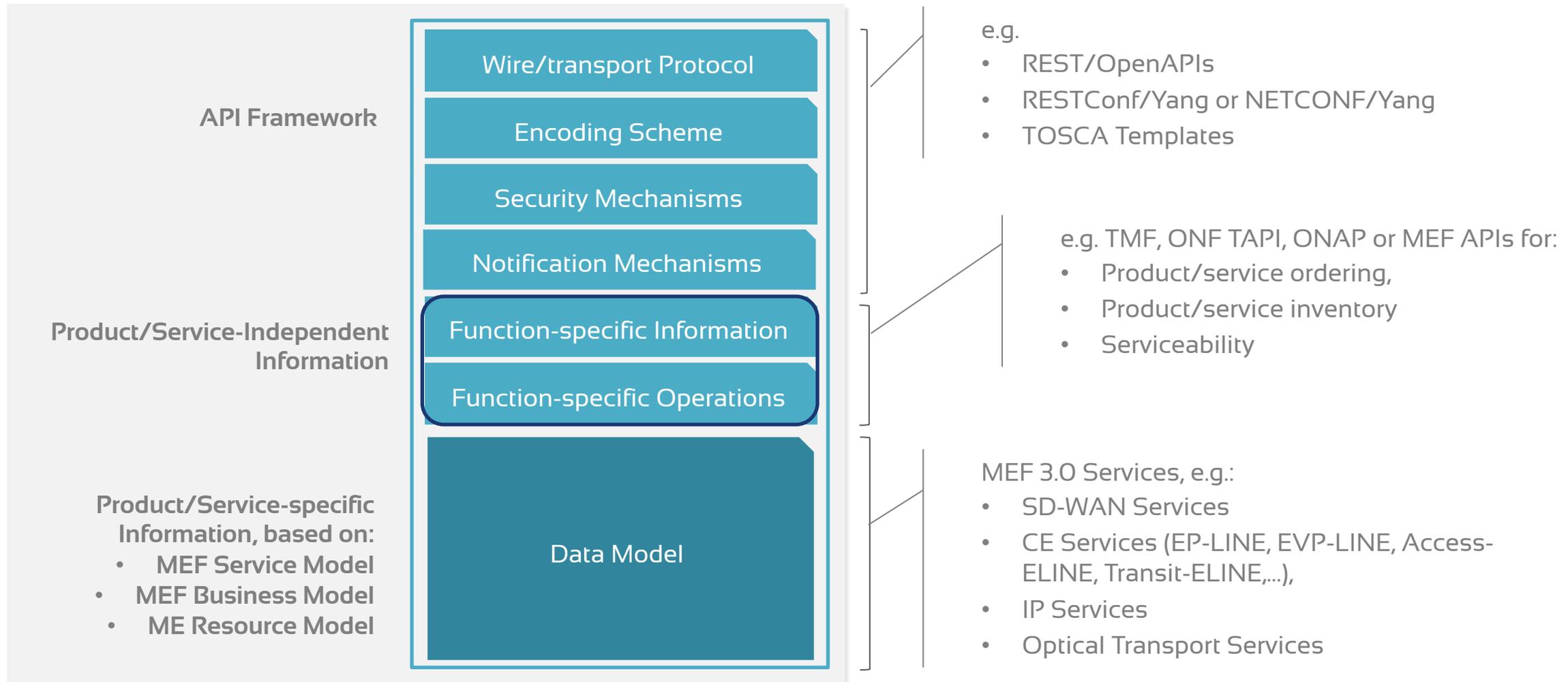
Overview: MEF approach to Standardized APIs



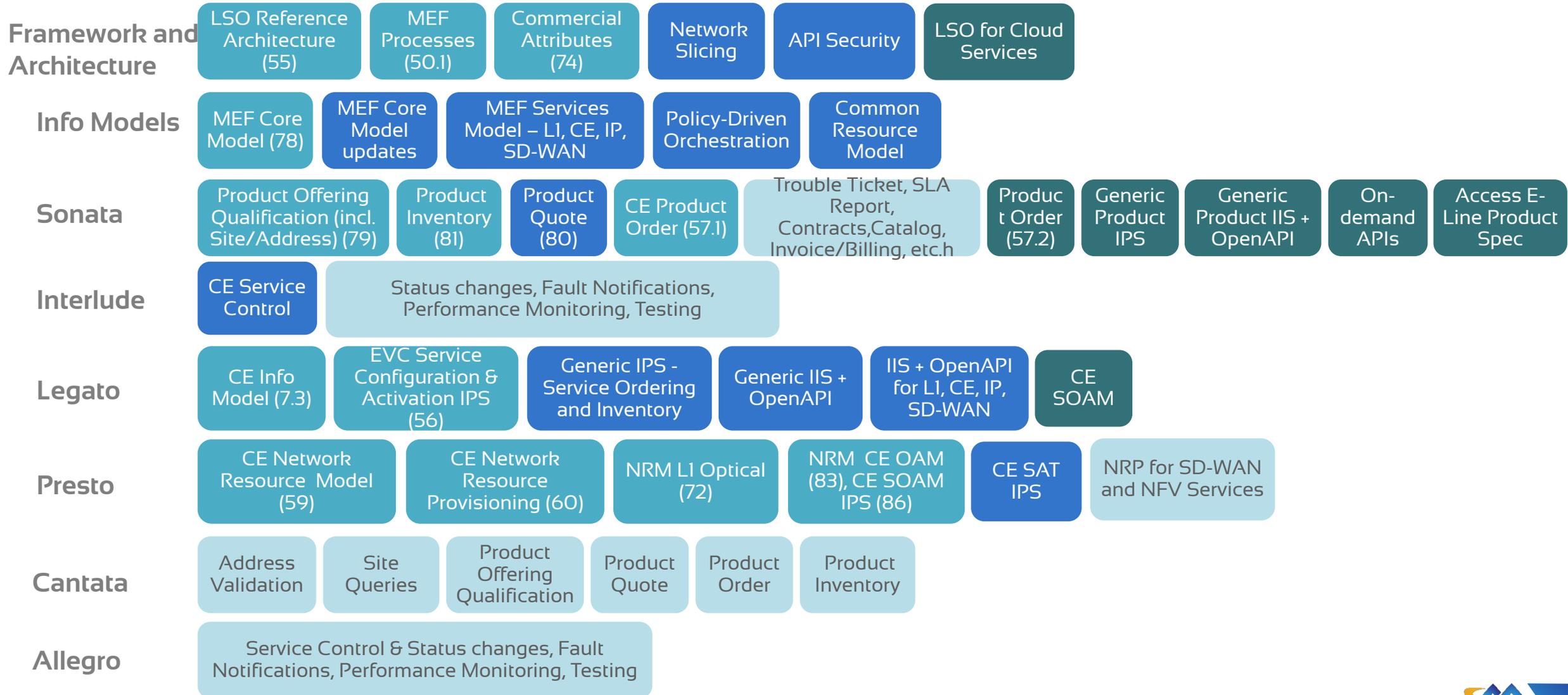
LSO Model-driven approach - example: MEF Services Model



LSO API Approach: Separation of API Framework, Functions and Product/service-specific data



MEF LSO API Roadmap



MEF 19

