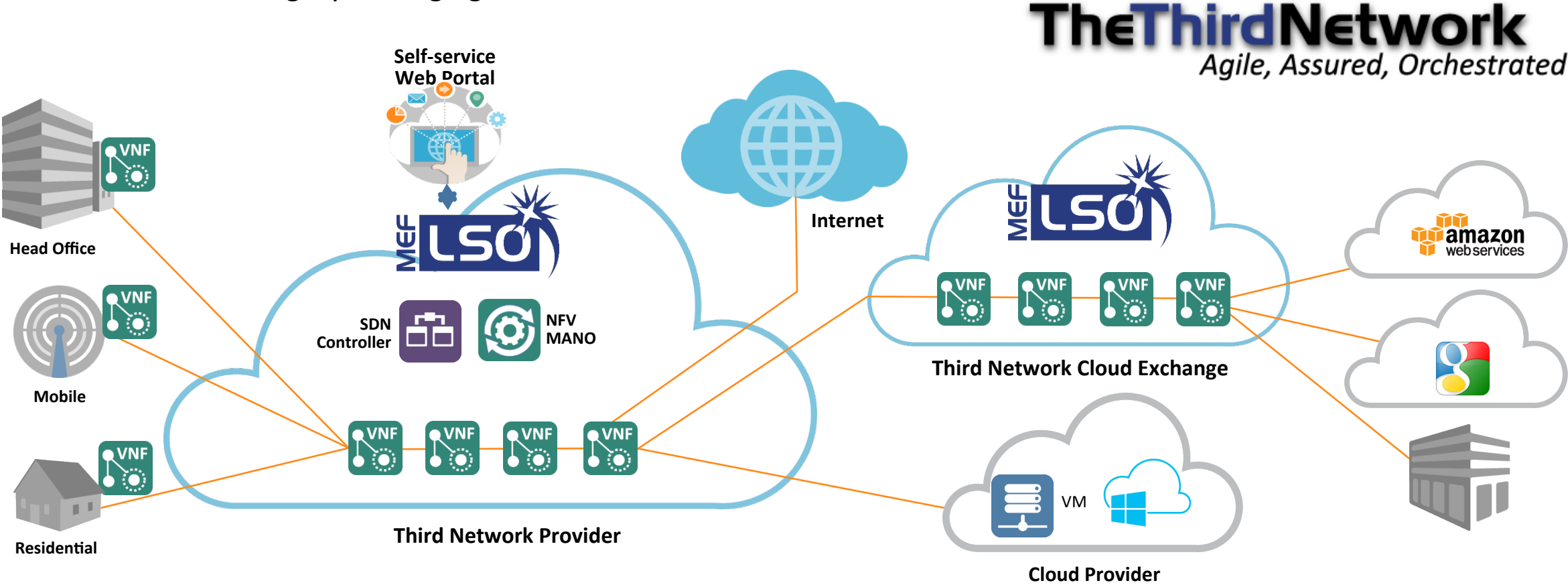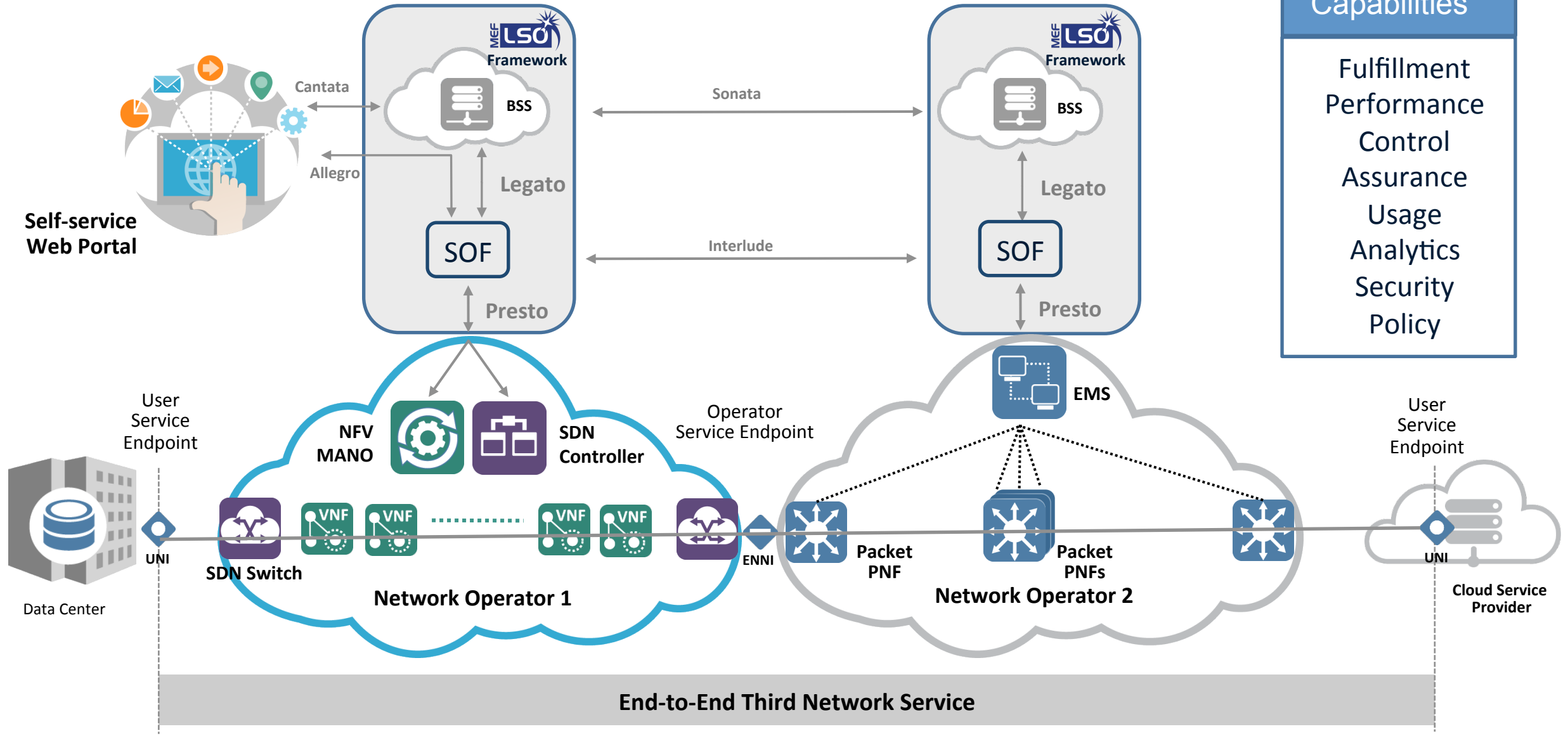# The MEF Third Network Vision

- CE 2.0 $80B dollar market to interconnect CE 2.0 providers to create the Third Network
- New MEF defined L3-L7 virtualized and orchestrated services
- Connect to OTT cloud operators
- Orchestration of legacy, emerging SDN/NFV networks and CE 2.0 services

MEF Lifecycle Service Orchestration (LSO)

MEF Third Network Services

MEF OpenLSO
Lifecycle Service Orchestration

| Open LSO APIs | Open LSO APIs | Open LSO Presto APIs |

Orchestrated CE 2.0 Services

E-Line	Access E-Line
E-Access	E-Tree
E-LAN	Transit E-Line

Orchestrated L1-L7 Services
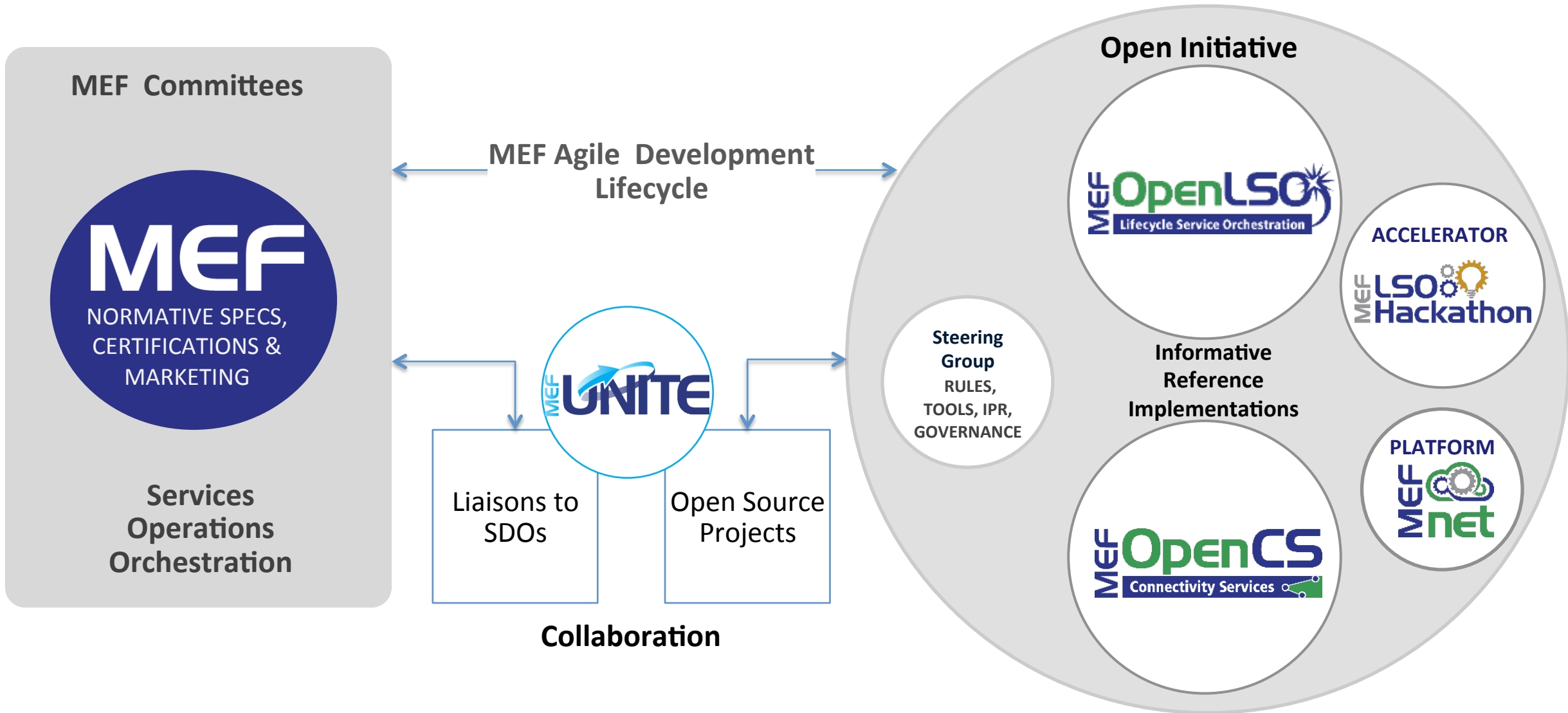
IP	Security
L4-L7 Point Services	Network-as-a-Service (NaaS)
Business Intelligence	Other Services

Orchestrated Telco Cloud Services

OTT Cloud Connectivity	
IaaS	PaaS
SaaS	UCaaS

Bold: Completed or Committed Projects

MEF

MEF Open Initiative

MEF Committees

MEF Agile Development Lifecycle

MEF
NORMATIVE SPECS, CERTIFICATIONS & MARKETING

Services Operations Orchestration

MEF UNITE

Liaisons to SDOs

Open Source Projects

Collaboration

Open Initiative

MEF OpenLSO
Lifecycle Service Orchestration

ACCELERATOR
MEF LSO Hackathon

Steering Group
RULES, TOOLS, IPR, GOVERNANCE

Informative Reference Implementations

MEF OpenCS
Connectivity Services

PLATFORM
MEF net

MEF

MEF Open Initiative Reference Model

Third Network Services

Orchestrated CE 2.0 Services			Orchestrated L1-L7 Services				Orchestrated Telco Cloud Services			
E-Line	E-LAN	E-Access	IP	L4-L7	BI	Security	OTT Cloud Connectivity			
Access E-Line	Transit E-Line	E-Tree	NaaS				IaaS	SaaS	PaaS	UCaaS

OpenLSO Capabilities

MEF OpenLSO — Lifecycle Service Orchestration

Sonata APIs

Fulfillment	Performance	Control	Assurance	Usage	Analytics	Security	Policy

MEF LSO

Interlude APIs

OpenCS Use Cases

MEF OpenCS — Connectivity Services

Presto APIs

Data Center & Central Office | Packet WAN | NFV | Optical Transport | SD WAN | Cloud Exchange | 5G Wireless
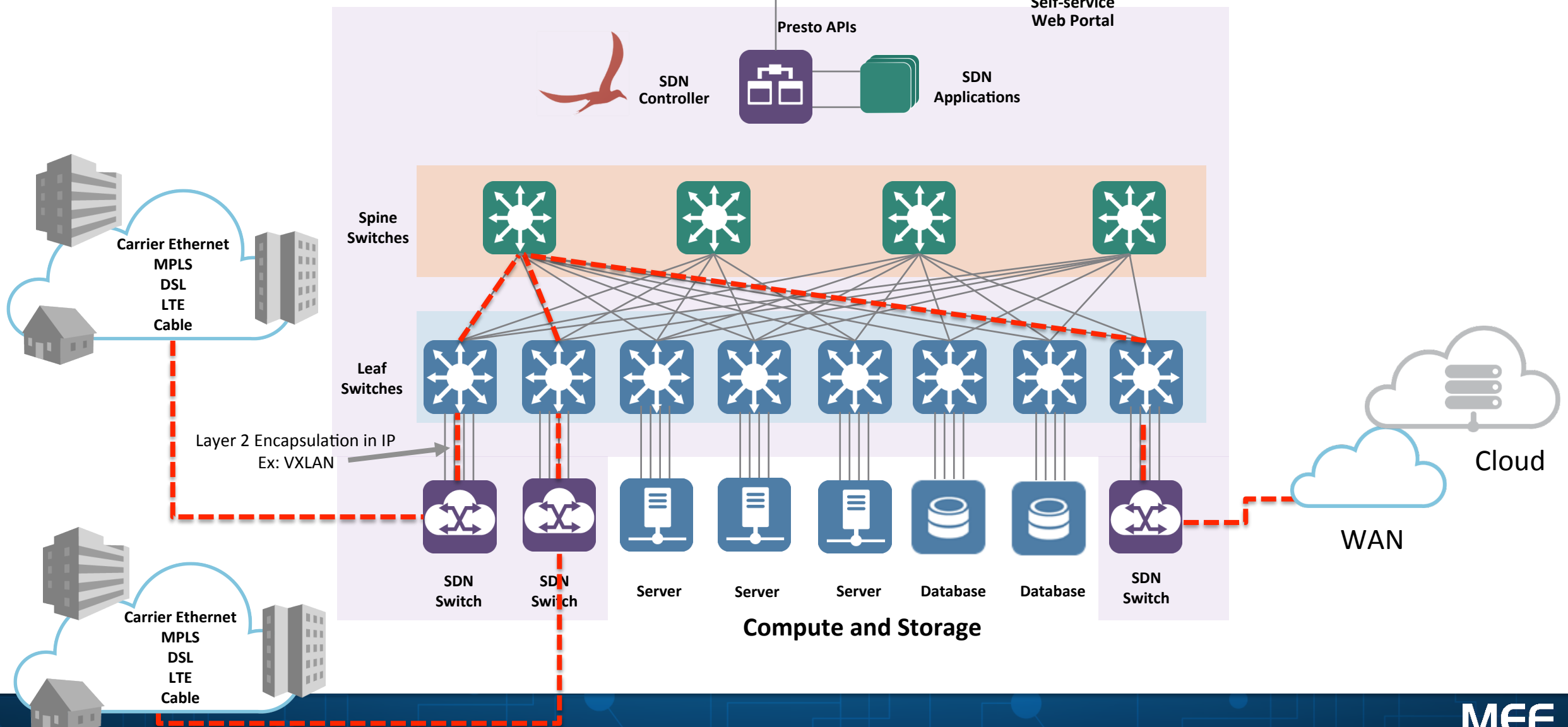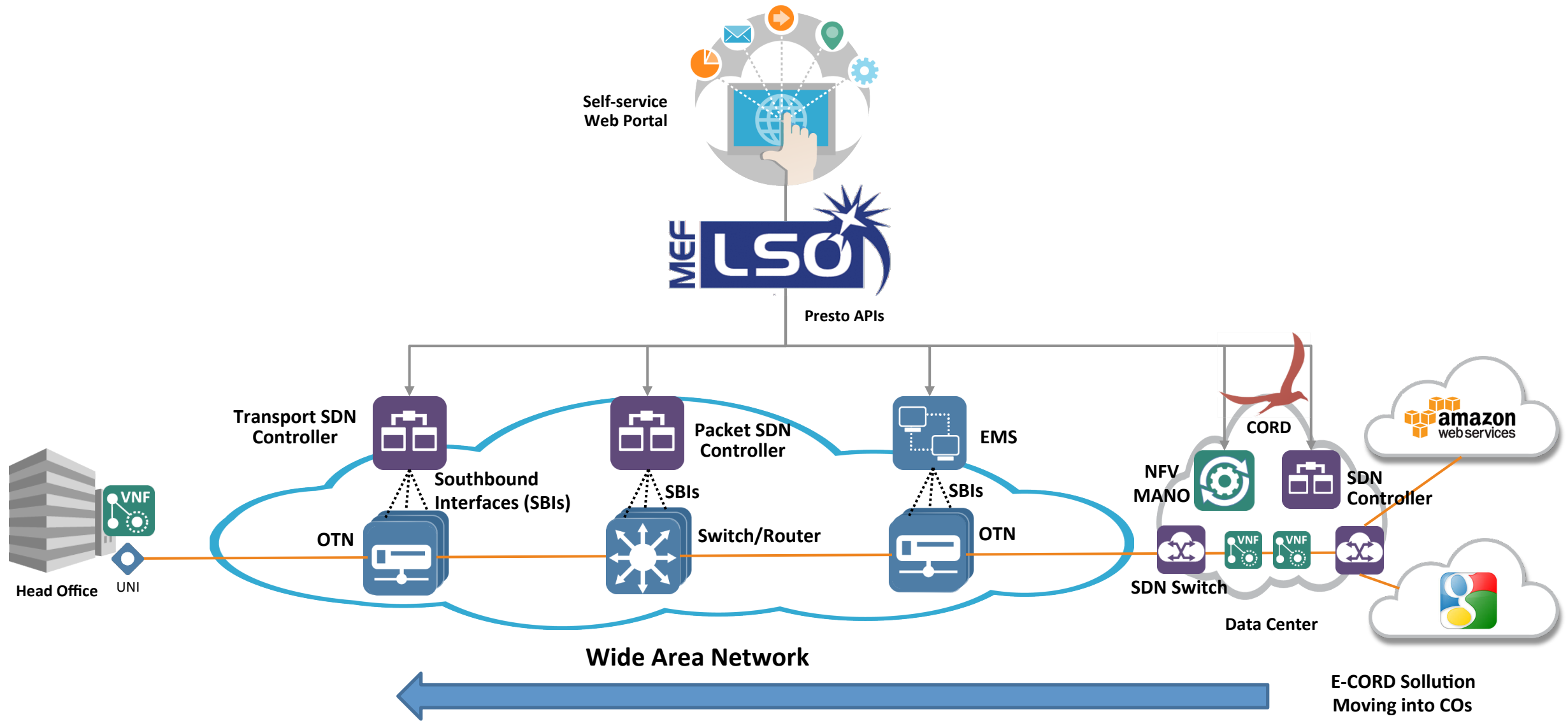
OpenCS Data Center Use Case

Third Network & Brownfield Migration Reference Model

MEF Requirements for E-CORD

MEF Work Items:

- MEF is creating Third Network services beyond Carrier Ethernet (IP, NaaS, Security, etc)
- MEF is creating framework, use-cases, information models, operational threads, etc as LSO specifications
  - New LSO APIs will be made available by MEF working with SDOs and open source partners
- MEF is working with upstream orchestration projects like Open-O and others to integrate them into a micro-services LSO platform called OpenLSO

Requirements for E-CORD:

- E-CORD orchestrated via MEF OpenLSO platform (actually all CORD types)
  - Support the MEF set of OpenLSO APIs for E-CORD (Presto, Interlude, etc)
- Deliver on E-CORD telemetry data for analytics via OpenLSO APIs
- Deliver new SDN applications for E-CORD
  - Spine/Leaf Fabric Optimization (delivered)
  - Packet Sniffing for Dev Ops
  - Automated Root Cause Analysis for Dev Ops
  - Business Intelligence (BI) showing end user application performance using E-CORD
- Deliver on a SD-WAN solution for E-CORD

MEF