

IPX Signaling-Control

Creating competitive advantage through investment in signaling-control solutions

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IPX Environment

- Requirement for converged services
 - SS7/C7, ENUM, DIAMETER, SIP
 - More complicated than originally envisioned by the GSMA
- Every customer wants something slightly different
 - Signaling interworking
 - Legacy equipment "tweaks"
 - Customized policies
- Super high volume services
 - Infrastructure scaling is a major issue
- Cost conscious environment
 - High revenue but low margin business

How do we build a business that creates above average return in this environment?



Align technology with business requirements

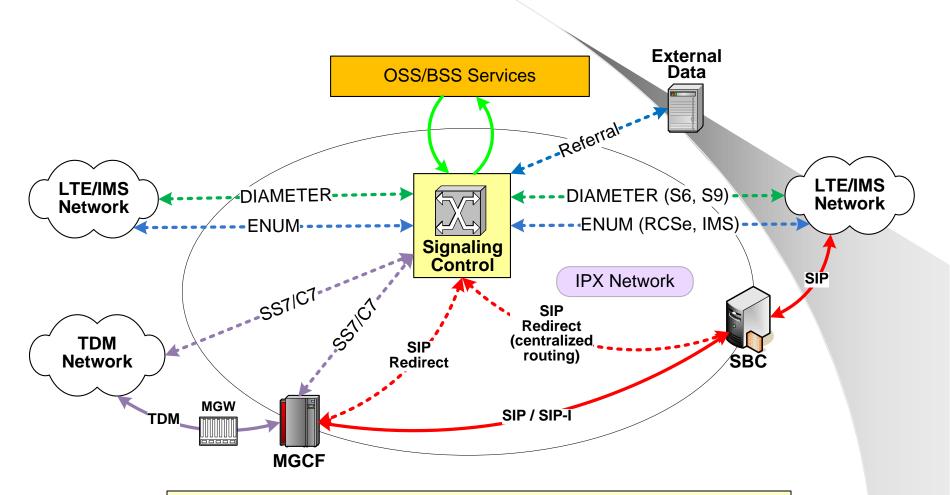
Three recommendations for building a better IPX

- Combine signaling-control services on a common platform
 - SIP, ENUM, DIAMETER, SS7/C7
 - Multiple silo solutions are complicated, hard to scale and expensive.
 - Multiple silos make interworking difficult to implement
- Separate OSS/BSS from real-time signaling control
 - LCR example
 - LCR policy engine is an OSS function (i.e. Ascade/CSG)
 - Key value proposition in OSS is flexibility
 - Real-time LCR implementation is signaling-control function (i.e. NetNumber)
 - Key value propositions in signaling-control are speed, reliability, scale.
- Embrace NFV
 - Faster scaling of services
 - More efficient utilization of hardware assets



Simplified Signaling Control

Common infrastructure for SIP, ENUM, DIAMETER, SS7/C7



Reduce your number of vendors, reduce the number of systems you manage, minimize the moving parts in the solution



Creating competitive advantage

Signaling-control as service differentiation

- Common signaling-control platform
 - SIP, ENUM, DIAMETER, SS7/C7
 - Faster delivery of customer specific services
 - Unlimited interworking flexibility (new features)
- Separate OSS/BSS from Signaling-Control
 - LCR, PCRF, OCS, HSS, etc.
 - Flexibility to invest in "best of breed" OSS features as they become available without being forced to tear-out your network infrastructure
- Embrace NFV
 - SBC, MGCF, Signaling-Control
 - Cost effective scaling
 - Timely capacity scaling



Thank You



Panel discussion questions

- Are there any real-world examples of separation of OSS policy-control from real-time signalingcontrol implementation of the policy in the network?
- Are NFV deployment of core network services a reality today or just a vision?
- Are multiple vendors working on the concept of combining multiple network functions onto a reduced number of platforms?