



Building a New NGN Network on IMS Foundations

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MetaSwitch Introduction



Product lines

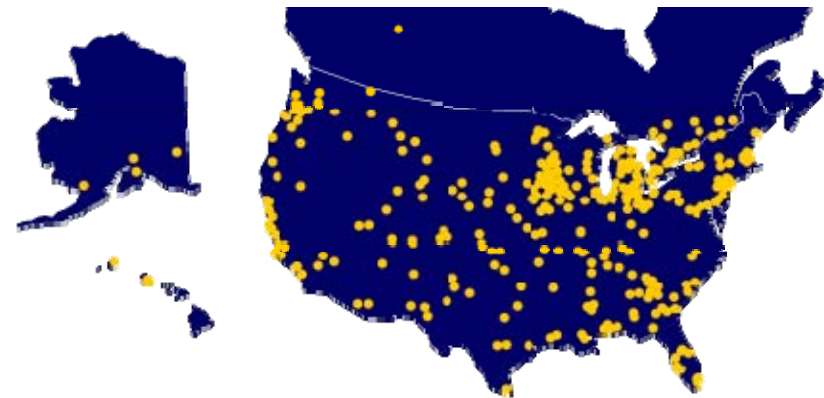
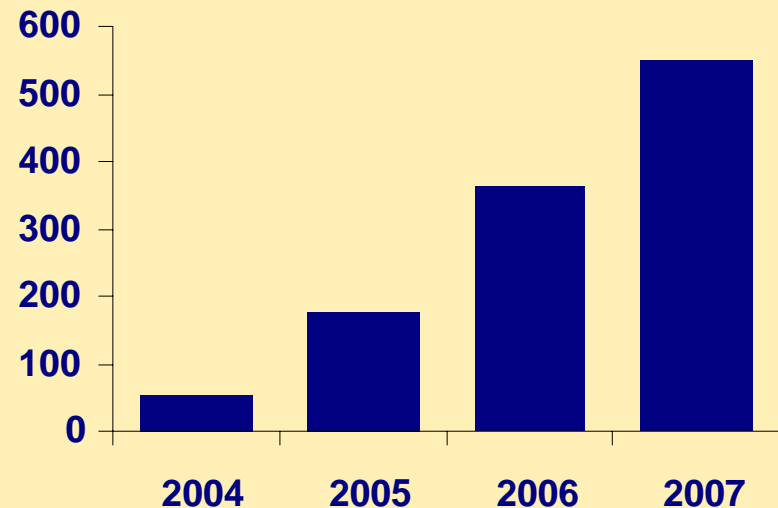
- Class 4/5 softswitch system, with evolution path to IMS
- IMS app server platform plus suite of telephony applications
- 500+ softswitch systems shipped, with 13M+ subscriber capacity



Broad base of 320+ customers, including:



SOFTSWITCH SYSTEMS DEPLOYED



PSTN NGN Migration – Starting Points

- Class 5 switch replacement, or cap-and-grow
 - Deploy softswitch that delivers legacy equivalence
 - Often associated with access network migration to VoIP

- VoIP services overlay
 - Deploy softswitch system to serve consumer or business VoIP

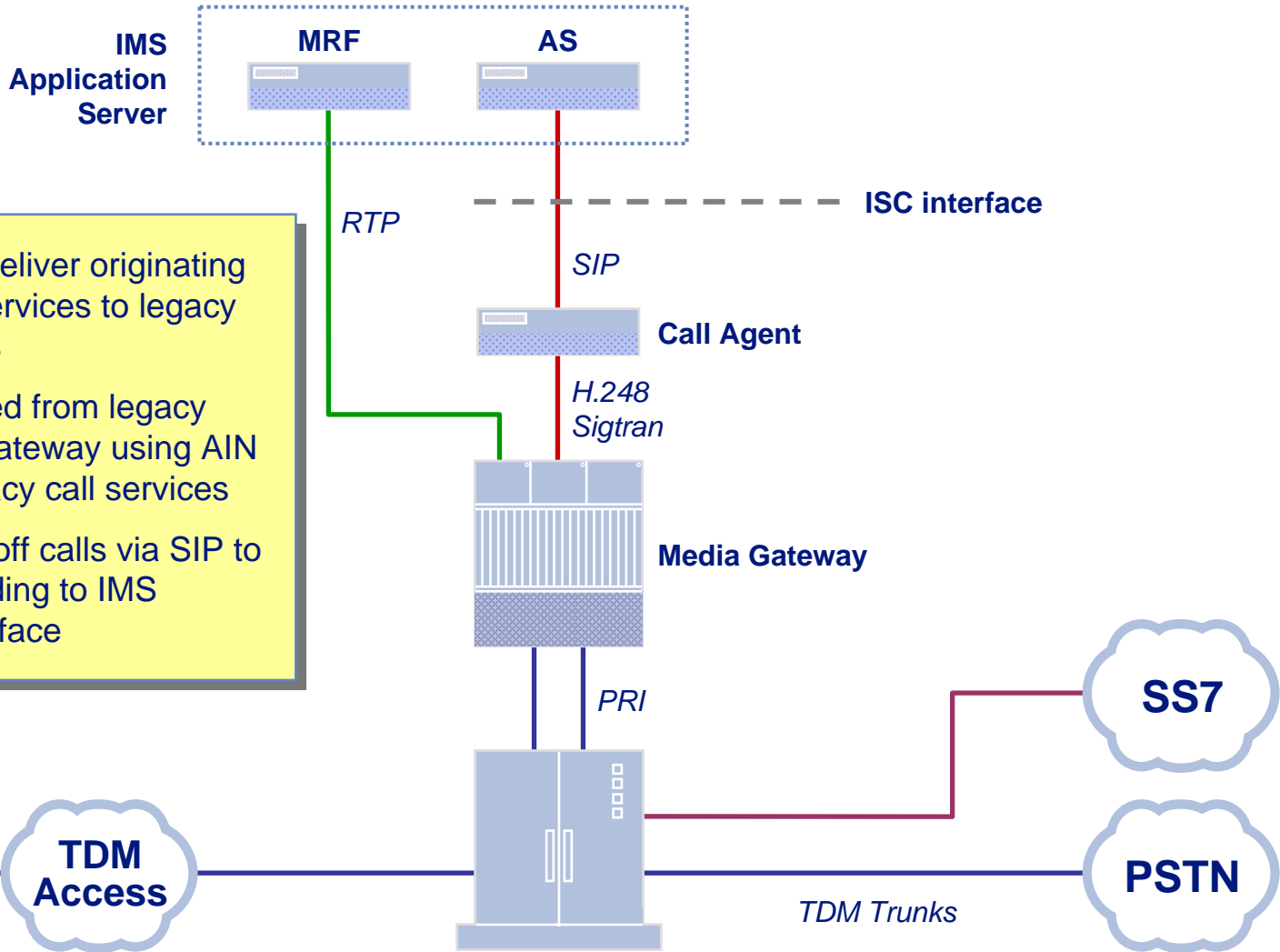
- IMS applications over legacy switches
 - Deploy IMS application servers with legacy adaptation layer based on softswitch

PSTN NGN Migration – Goals

- Transparently migrate legacy PSTN subscribers to NGN, enabling TDM switches to be retired
- Create cost-effective infrastructure for support of consumer and business VoIP services
- Deliver a rich and rapidly evolving range of applications and services to all subscribers
- Where appropriate, merge wireline and wireless networks around a common core

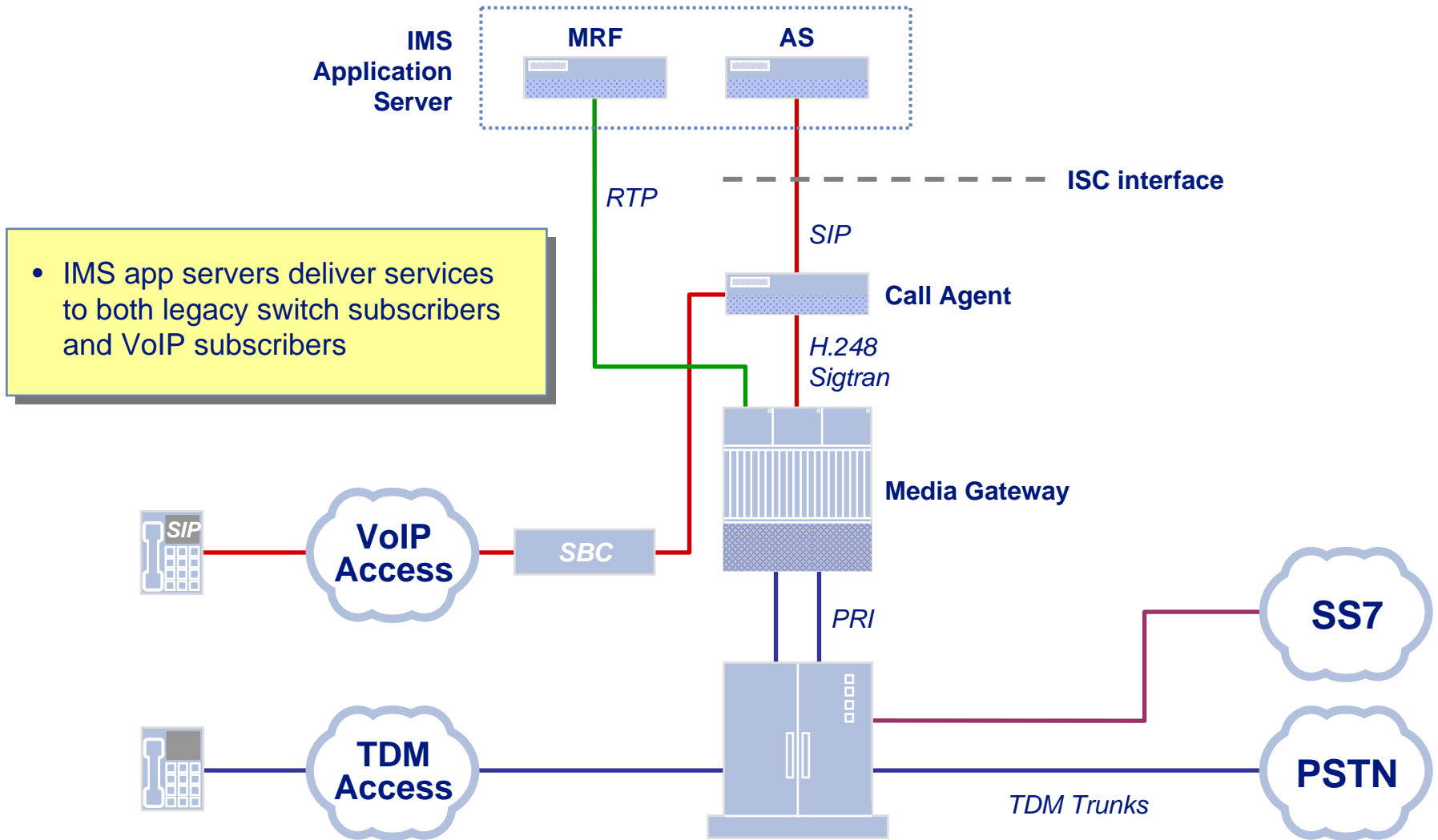
Open question: to what extent is IMS essential to these goals?

IMS App Servers for Legacy Switches

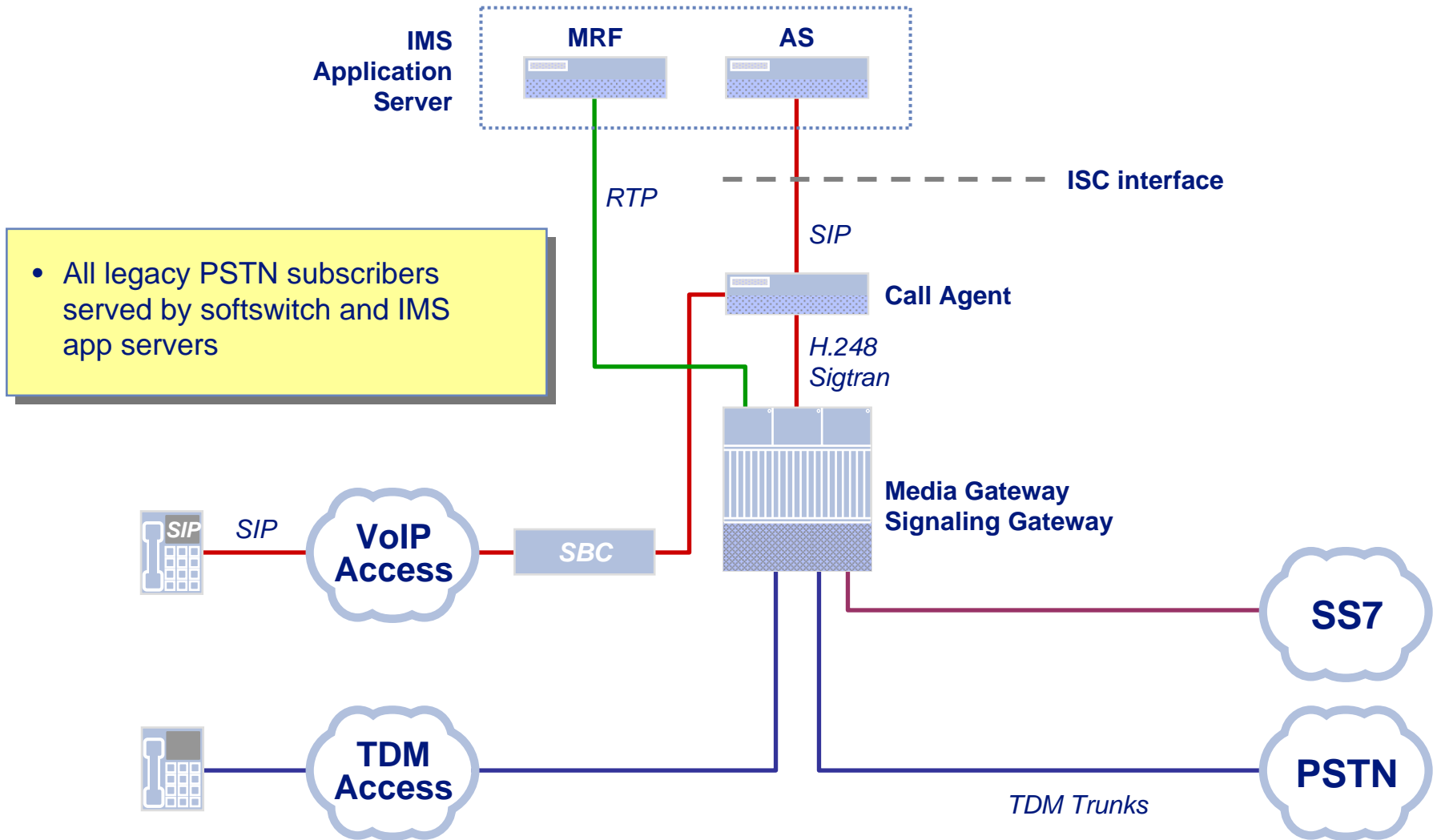


- IMS app servers deliver originating and terminating services to legacy switch subscribers
- Call path is diverted from legacy switch to Media Gateway using AIN techniques or legacy call services
- Call Agent hands off calls via SIP to app server, according to IMS standard ISC interface

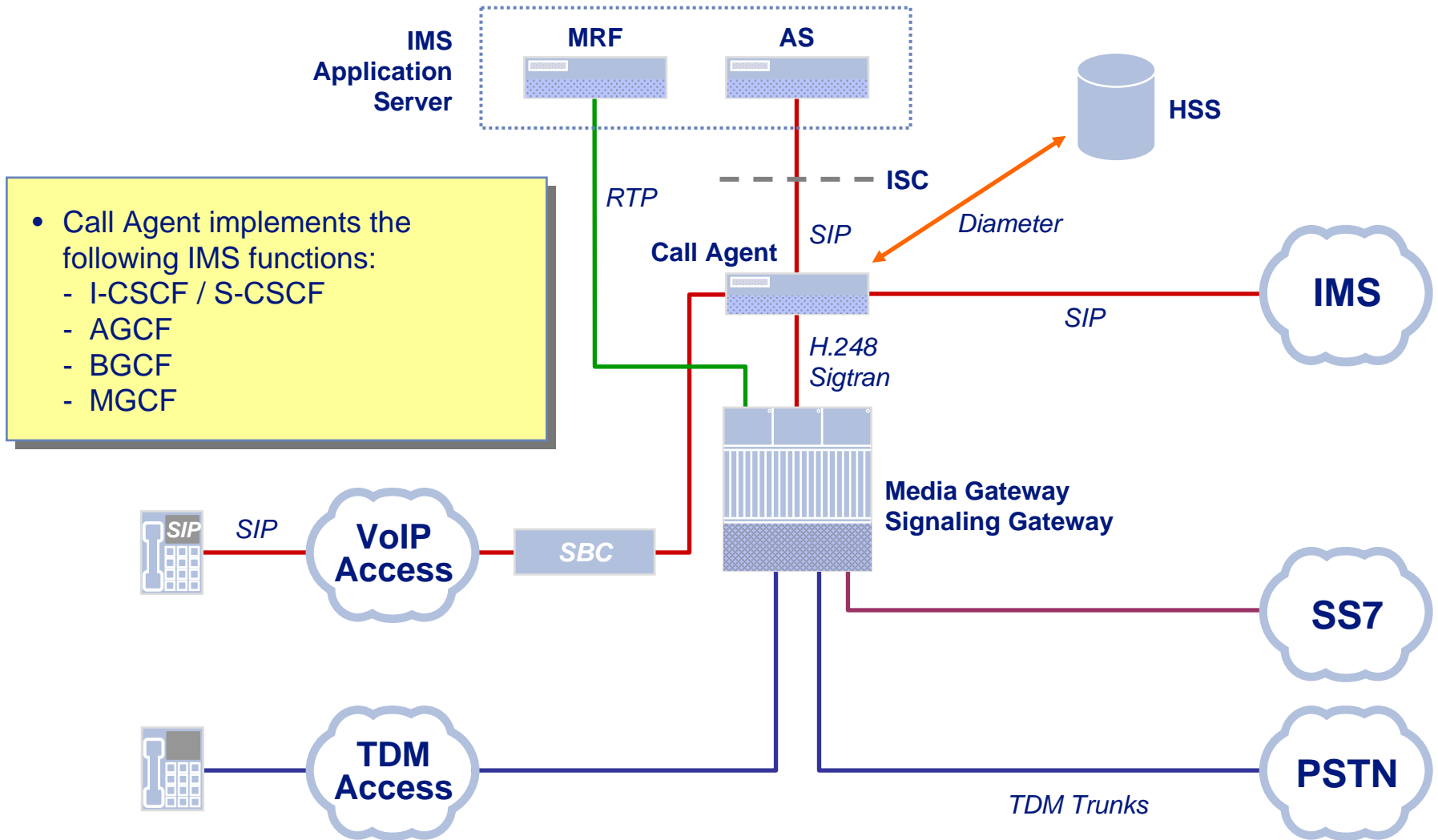
Leverage Softswitch to Provide VoIP Services



Retire Legacy Switch



Evolve to Support Additional IMS Functions



Quick Conclusions

- IMS promise to support fast application development and deployment is all about the ISC interface
- The ISC interface should be the focus of NGN migration
 - App servers that talk down to the network via ISC
 - Softswitch solutions that talk up to app servers via ISC
- The other main value proposition of IMS is convergence of wireless and wireline core networks
 - But this is only useful to service providers who operate both



Thank You

Questions to
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