

Service Level Specification and Usage BoF

Birds of a Feather meeting

IETF OAM area

San Diego, 13 December 2000

Logistics

- Chairs
 - Yves T'Joens (yves.tjoens@alcatel.be)
 - Raju Rajan (rajan@research.att.com)
- Mailing list
 - sls@ist-tequila.org
 - subscription and archive
 - <http://www.ist-tequila.org/sls.html>

Drafts available at this meeting

- draft-manyfolks-sls-framework-00.txt
- draft-tequila-sls-00.txt
- draft-salsano-aquila-sls-00.txt
- draft-sls-somefolks-00.txt

Agenda

- Agenda Bashing and Introduction (10'-Yves)
- Presentations on requirements for the SLSU from providers
 - Christian Jacquenet - France Telecom (10')
 - Hamid Gharib - British Telecom (10')
 - Victor M. Mendoza-Grado - AT&T (10')
- Raju - Feedback from the mailing list (5')

Agenda (continued)

- Short intro to various efforts and related work
 - Policy Framework Group - Ed Elleson (10')
 - Internet2 QBone Effort - Ben Teitelbaum (10')
 - draft-tequila-sls-00.txt - Danny Goderis (10')
 - draft-salsano-aquila-00.txt - Martin Winter (10')
- Proposed work group charter discussion (35')
 - proposed WG goals
 - proposed milestones

Service Level Specification and Usage

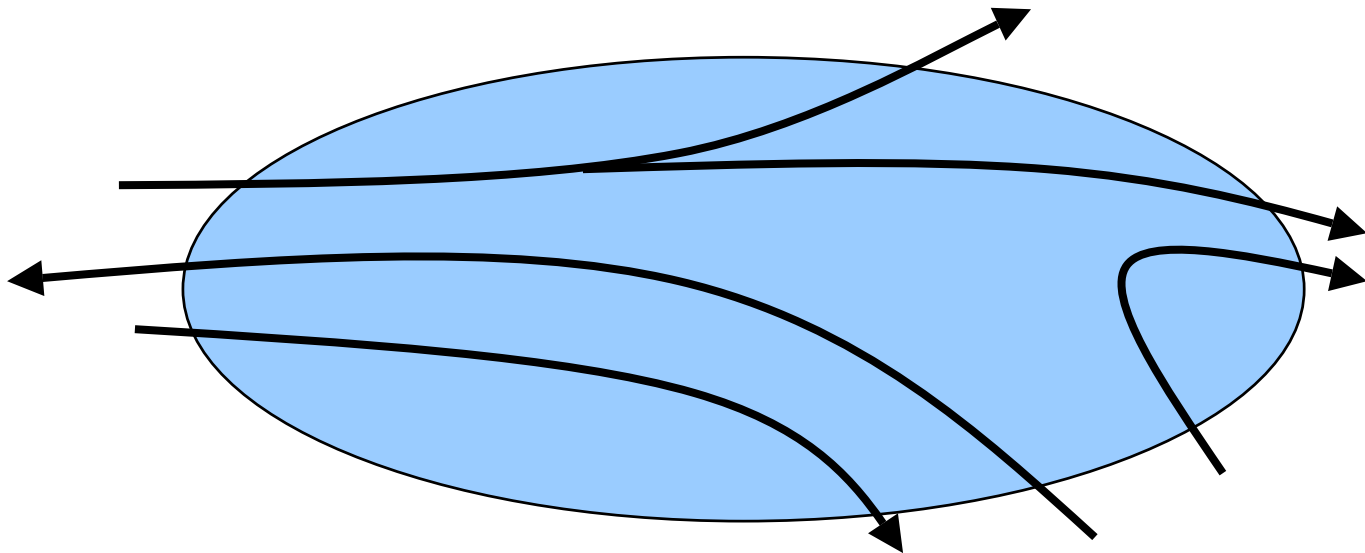
Introduction and Framework

San Diego, 13 December 2000

disclaimer

- Service, SLA, SL specifications, SL instances, SL templates, SL objects, bandwidth broker, ...
- Trying to avoid usage of ‘overloaded’ terminology in the context of this presentation...
- ...should be clarified in the framework

Flows over the Internet



**Transport Provider Domain
(e.g., Diffserv enabled)**

What's needed to agree on a 'service' - simplified

- A 'flow contract' template that nails down parameters and their semantics related to
 - what traffic falls within the 'flow contract'
 - between one or more ingress and egress interfaces on the transport provider domain
 - meeting a traffic conformance agreement at the ingress interface(s)
 - traffic being treated so that the ingress to egress properties are quantified or qualified

What's needed to agree on a 'service' - simplified

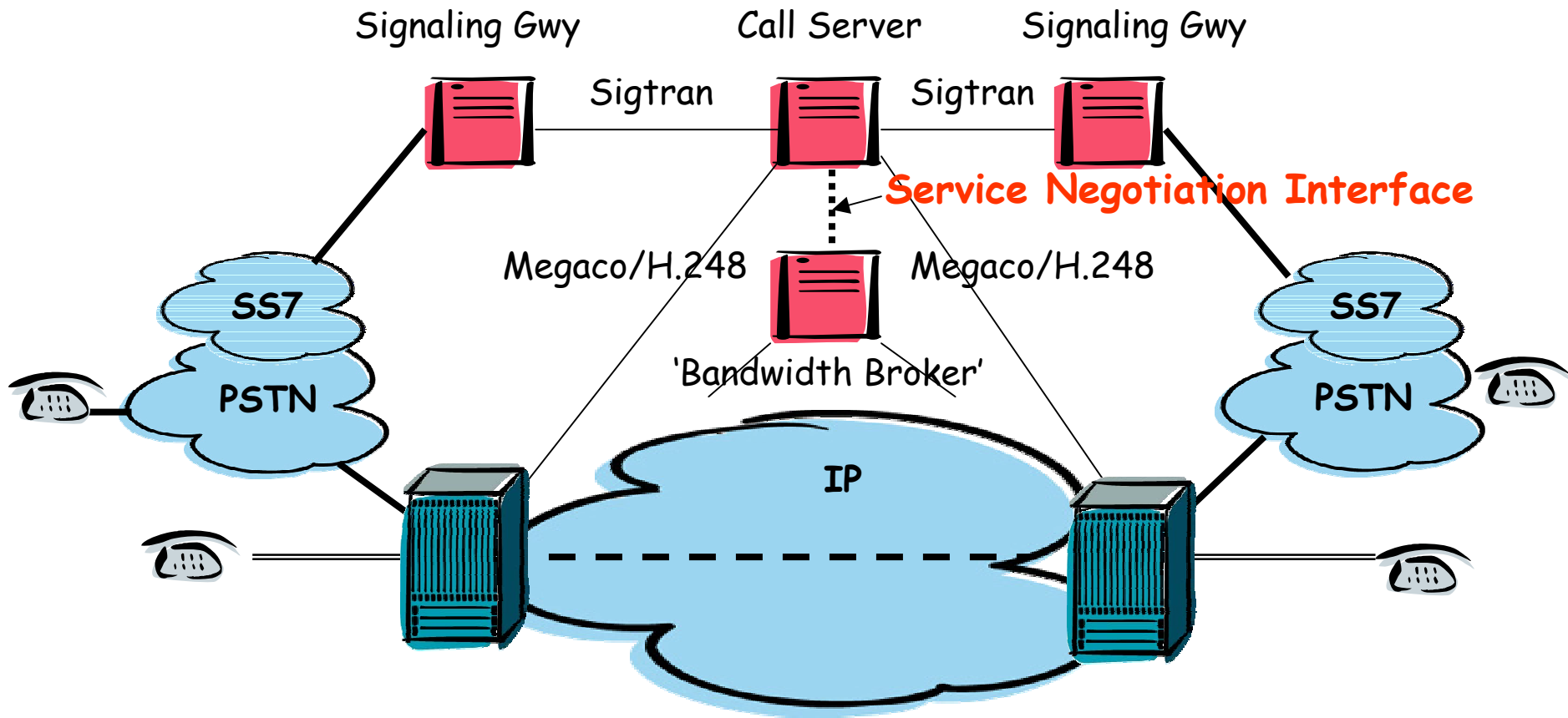
- A negotiation protocol
 - that allows definition of the 'flow contract' based upon the template
 - that identifies the parties that are negotiating over one or more instances of a 'flow contract' (customer - provider roles)
 - that defines the semantics implied by the negotiation procedure

Why do we need a working group on this ?

- Today only static SLA, need for automation
- Widespread consensus on need for standardization of SLS syntax, semantics and mechanisms
- Considerable interest and support from service providers, equipment manufacturers and user organizations
- Not covered by other working groups

Issues for the BoF

- Do we need WG to standardize syntax and semantics of SLS and their negotiation in February 2002 timeframe
 - Interdomain / Intradomain / peering interfaces
- What should be the scope of the WG
 - Framework document
 - Info model
 - Protocol requirements
 - Protocol instantiation
 - other issues...



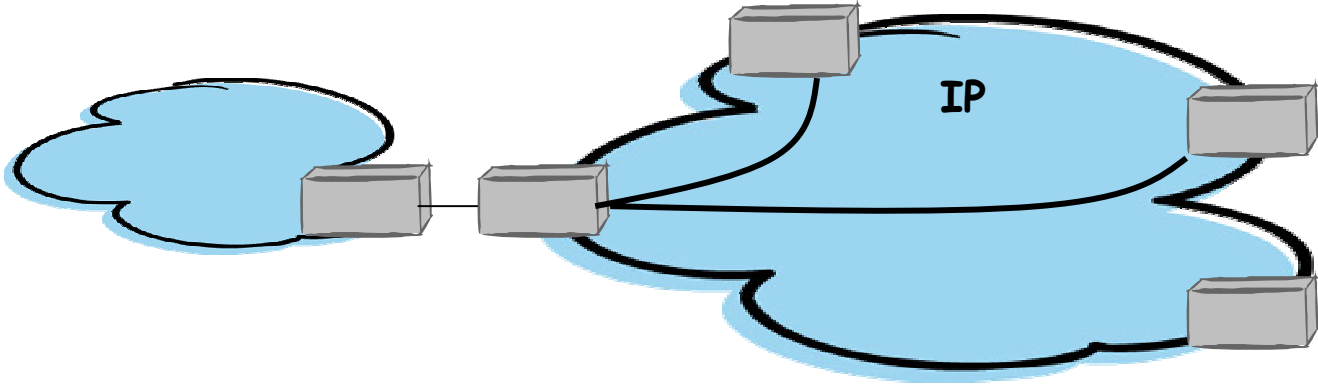
Service Negotiation Interface



'Customer'
VPN manager



'Provider'
VPN manager



Service Negotiation Interface

