

# 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

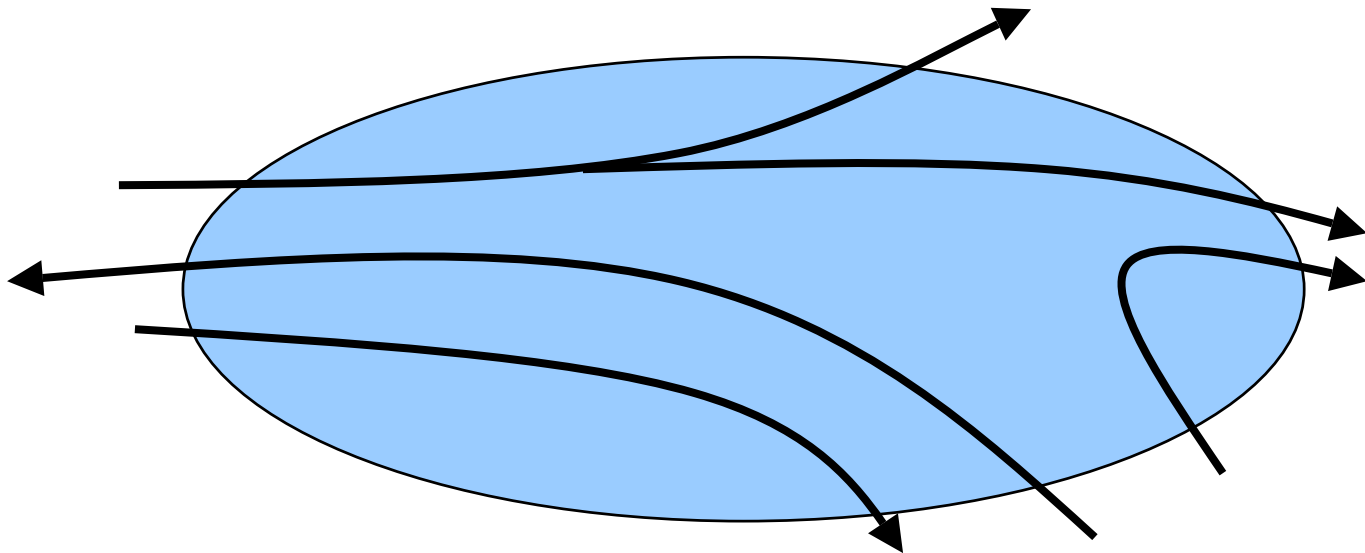
Introduction and Framework

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

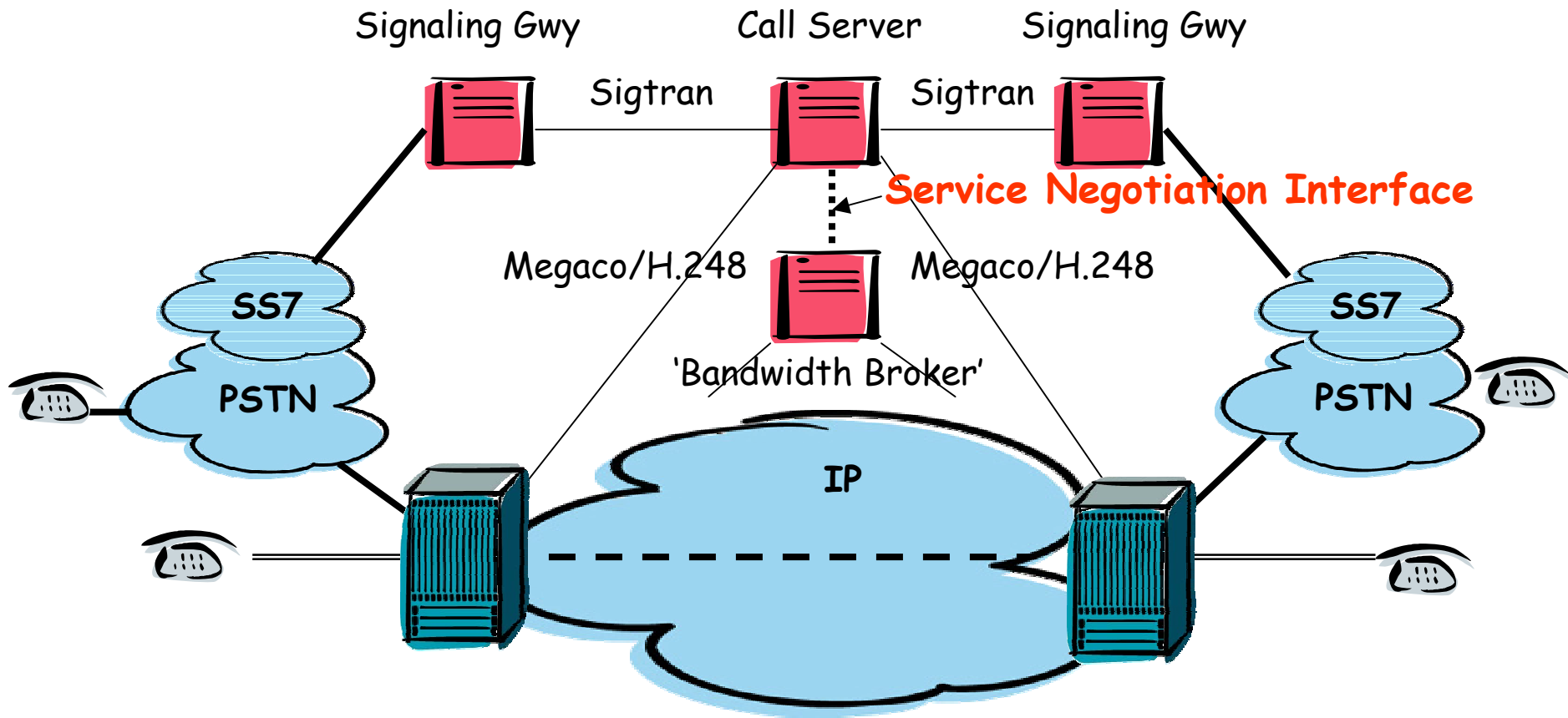
- A negotiation protocol
  - that allows definition of the 'flow contract' based upon the template
  - that identifies the parties that are negotiating over one or more instances of a 'flow contract' (customer - provider roles)
  - that defines the semantics implied by the negotiation procedure

# 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...

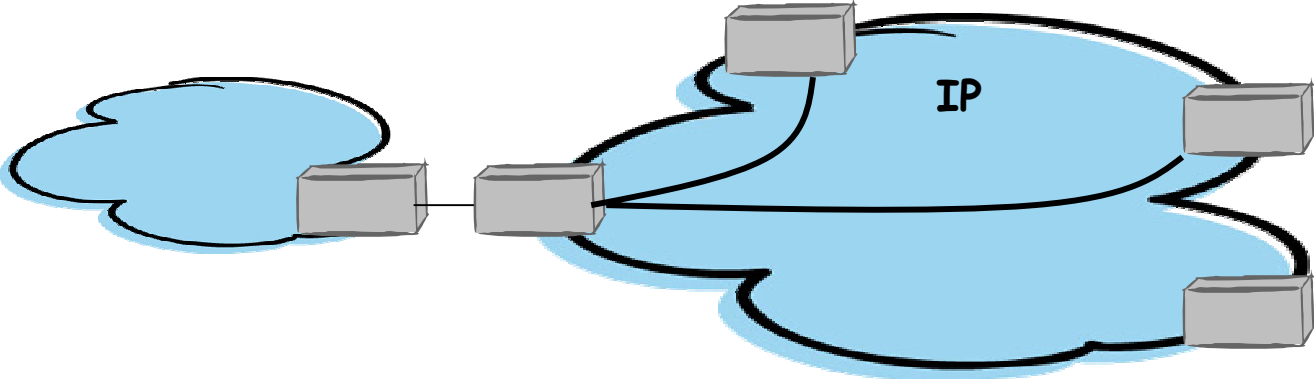


# Service Negotiation Interface



'Customer'  
VPN manager

'Provider'  
VPN manager



## Service Negotiation Interface

