

# SPEERMINT

## IETF 71 - Philly

draft-ietf-speermint-voip-consolidated-usecases

Adam Uzelac

Global Crossing

# Authors

- Adam Uzelac Global Crossing
  - adam.uzelac@globalcrossing.com
- Yiu L. Lee Comcast Cable Communications
  - yiu\_lee@cable.comcast.com
- Rohan Mahy Plantronics
  - rohan@ekabal.com
- David Schwartz Xconnect Global Networks
  - dschwartz@xconnect.net
- Eli Katz Xconnect Global Networks
  - ekatz@xconnect.net
- Otmar Lendl enum.at GmbH
  - otmar.lendl@enum.at

# Status/Changes

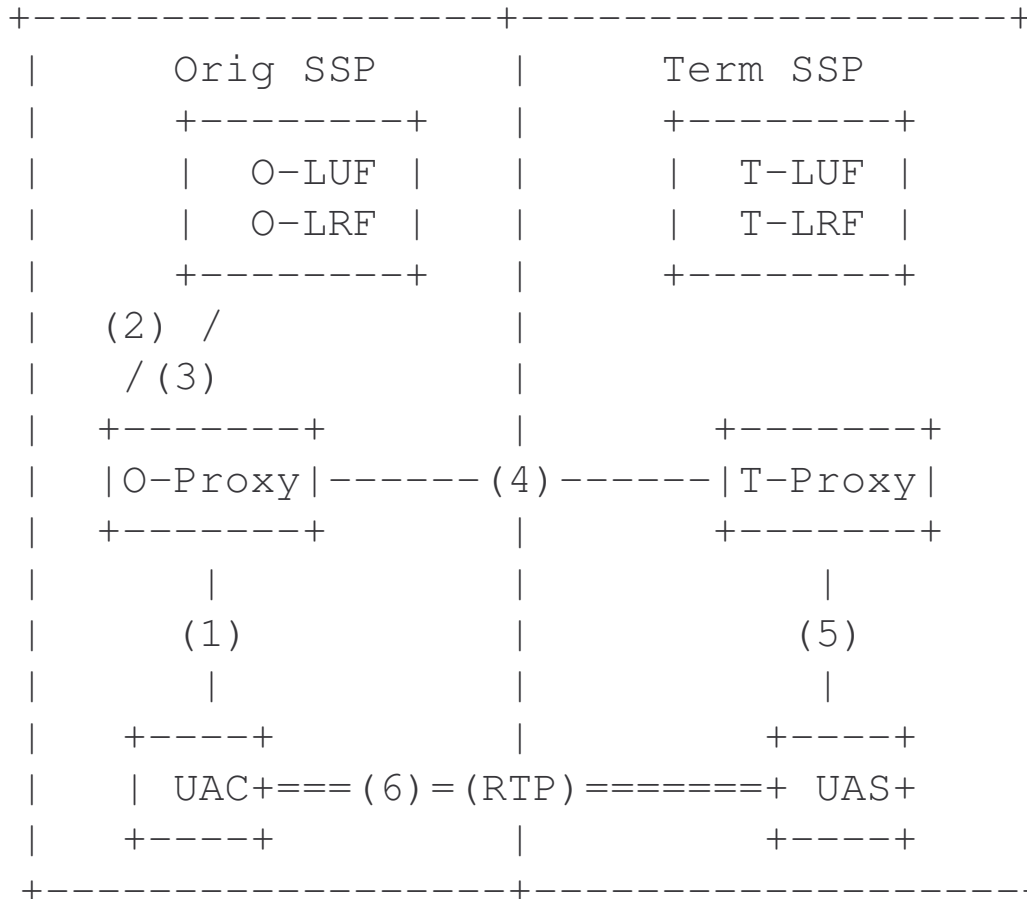
- One revision since IETF 70. -05 is published, -06 is work in progress and will be published shortly after Philly
- Changes
  - Terms sync-up. Now that the term draft has settled down, we have sync'd up for about the 5<sup>th</sup> time.
  - Diagrams were edited to clarify use cases.
  - Folded up Federation discussions somewhat, but still an open item.
  - Editorial nits are significantly addressed in 06



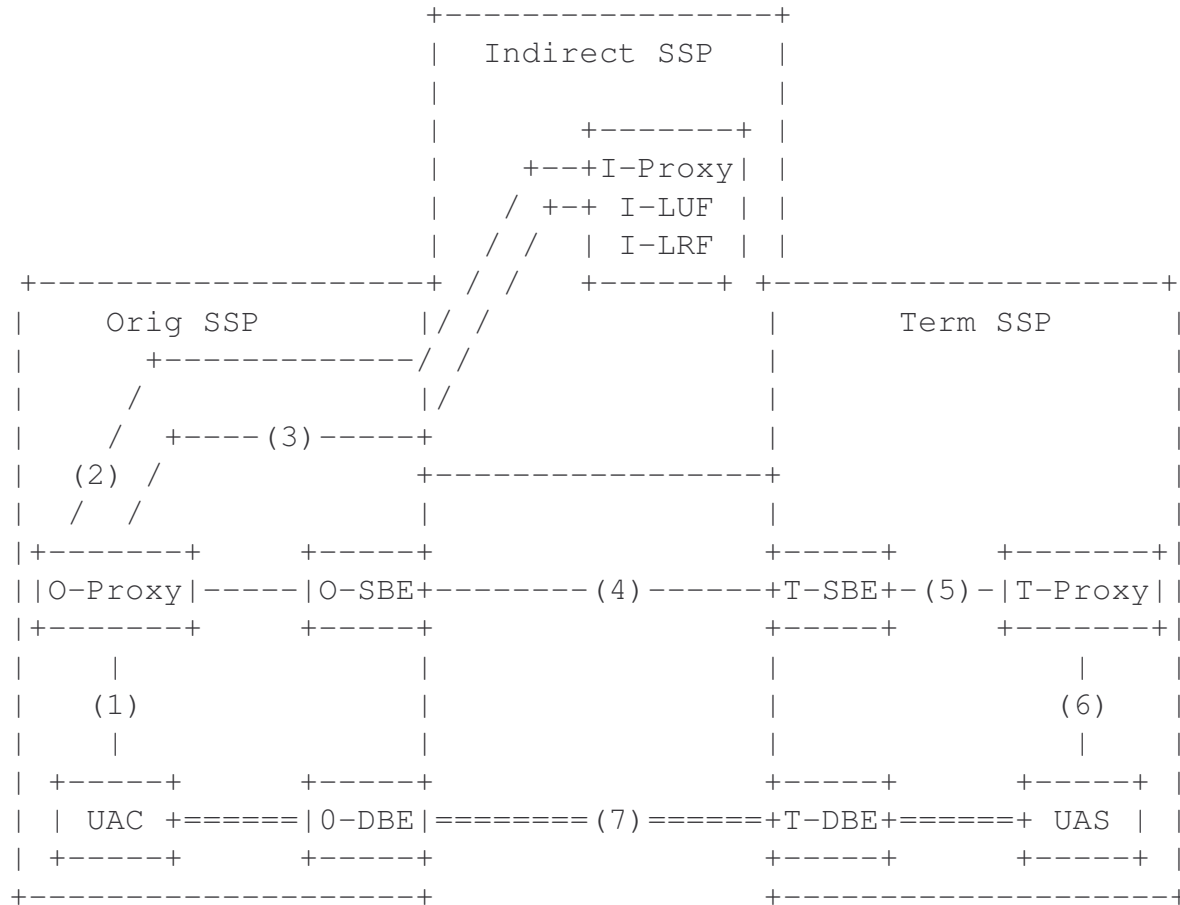
# Categorizations of Use Cases

- **Direct Peering**
  - Direct peering describes those cases in which two SSPs peer without using an intervening layer 5 network.
- **Indirect Peering**
  - Indirect, or transit, peering refers to the establishment of either a signaling and media path or signaling path alone via one (or more) transit network(s)
- **On-demand Peering** (we will talk about this later!)
  - SPs are said to peer on-demand when they are able to exchange traffic without any pre-association prior to the origination of a real-time transaction (like a SIP message) between the domains.
- **Static Peering**
  - SSPs are said to peer statically when pre-association between providers is required for the initiation of any real-time transactions (like a SIP message).

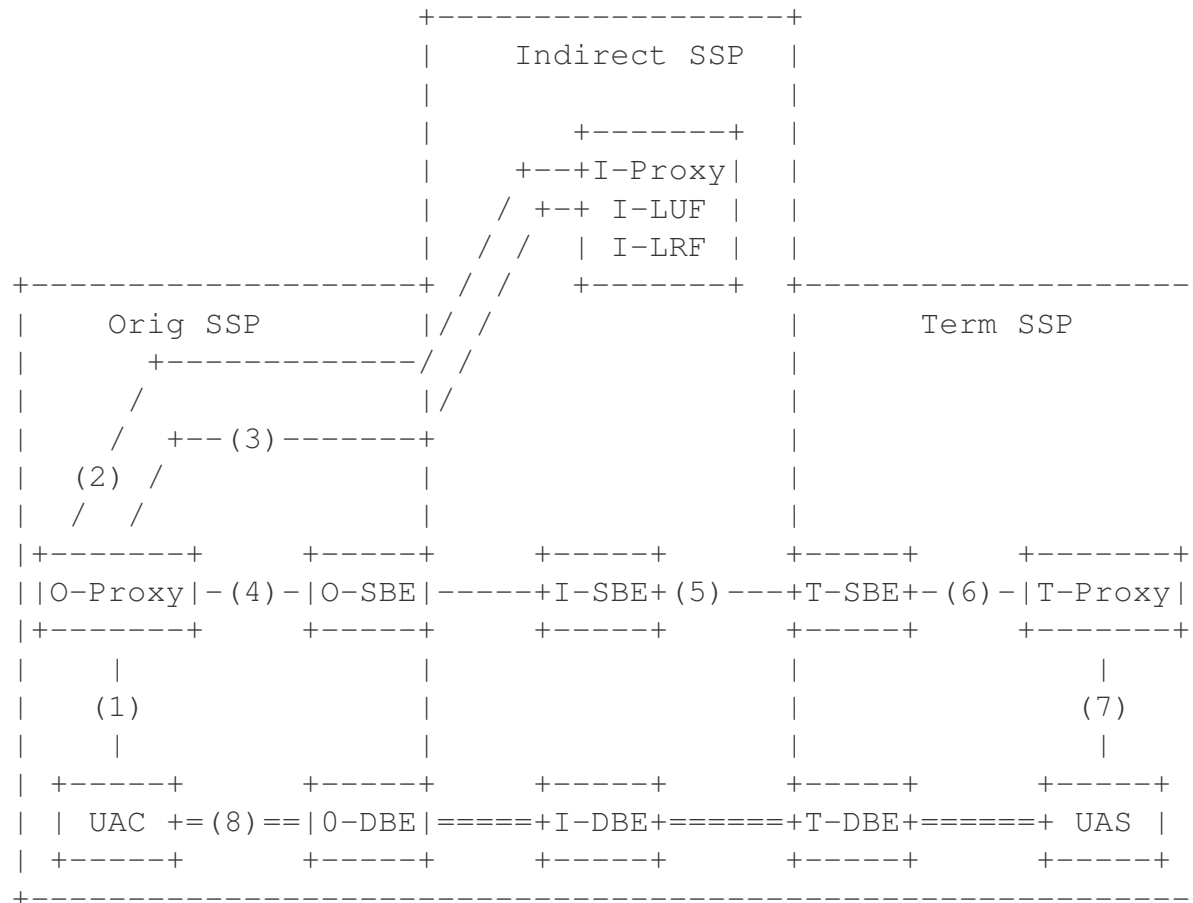
# Direct Static Peering



# Indirect Look-up, but Direct Peering



# Indirect Lookup, Indirect Peering (Both Sig and Media)



I-DBE path is optional, may be direct from O to T.



# Next Steps...

- Clean up NITS
- Add message details
- Further clarification of Goal, Summary, Actors, Preconditions, Triggers, Basic course of events, Alternative paths, etc
- Are there any “On-Demand and DIRECT” use cases in the wild today? (anyone have an “allow any/all” ACL on their SBEs?)
- What to do about Federations? We feel that Federations are simply indirect use-cases. Should we still spell it out in draft or just cite it as an example?