



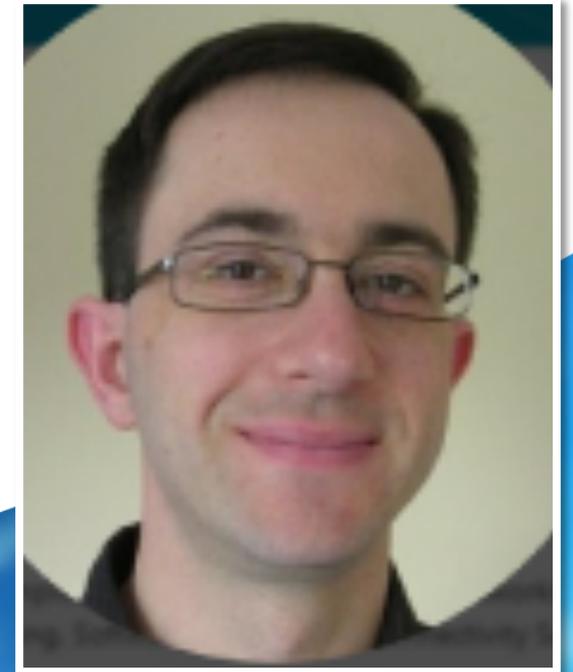
MEF19



MEF 3.0 IP Services

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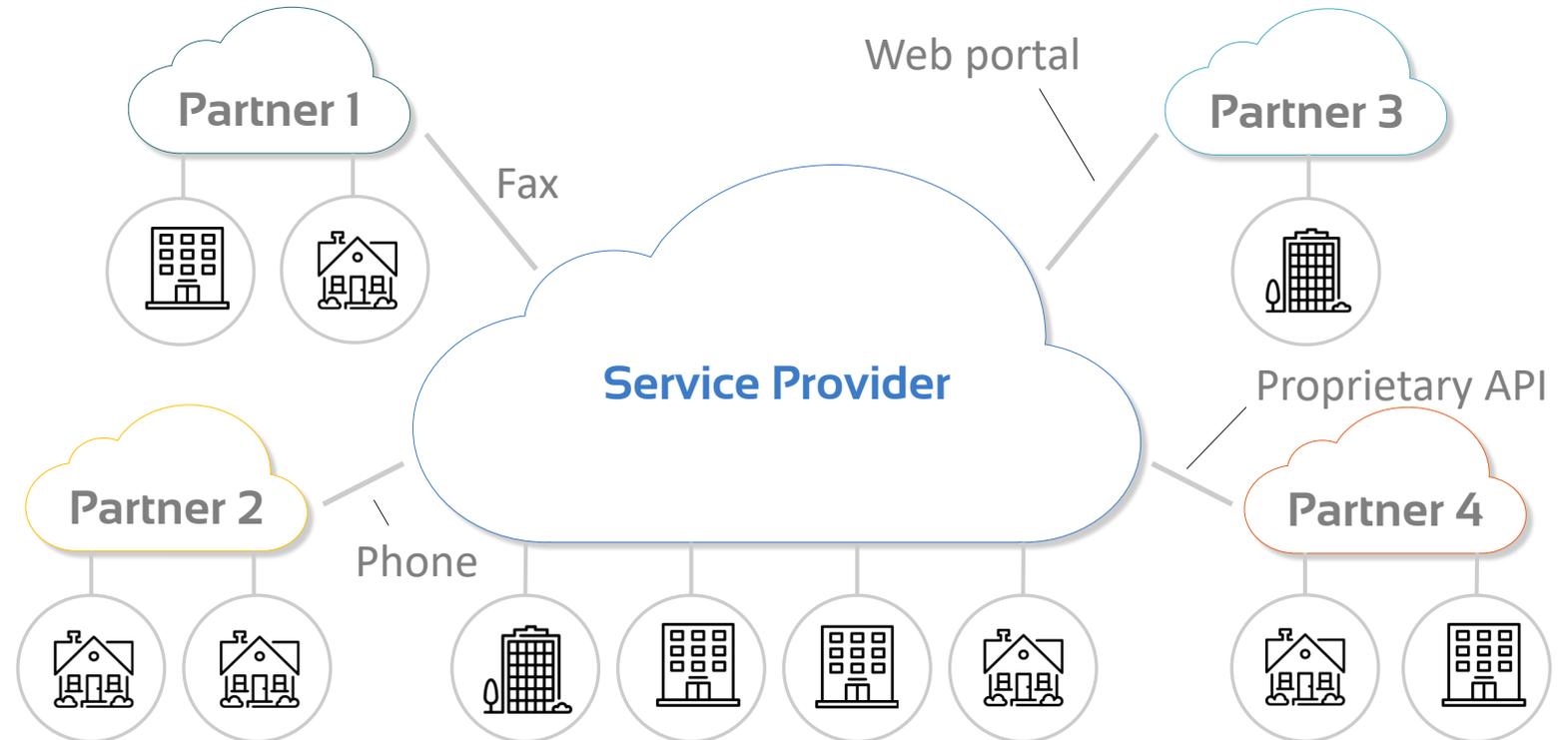


MEF 3.0 IP



Motivation for MEF 3.0 IP Services

- SP must partner with other Operators to reach remote Subscribers
- Each uses different terminology and describes services in a different way
- Bilateral agreement needed with each partner
- Orchestration and automation extremely challenging



Goal: Automate inter-provider service lifecycle

Step 1: Define IP Service Attributes (**DONE**) and Definitions (in-progress)

Step 2: Define data models and APIs based on the Service Attributes

Key MEF 3.0 IP Standards

Service Attributes

Service Definitions



Subscriber Services

MEF 61.1

MEF 69
+more in progress



Operator Services

MEF 61.1

TBD



Special Topics

SOAM
Complete*

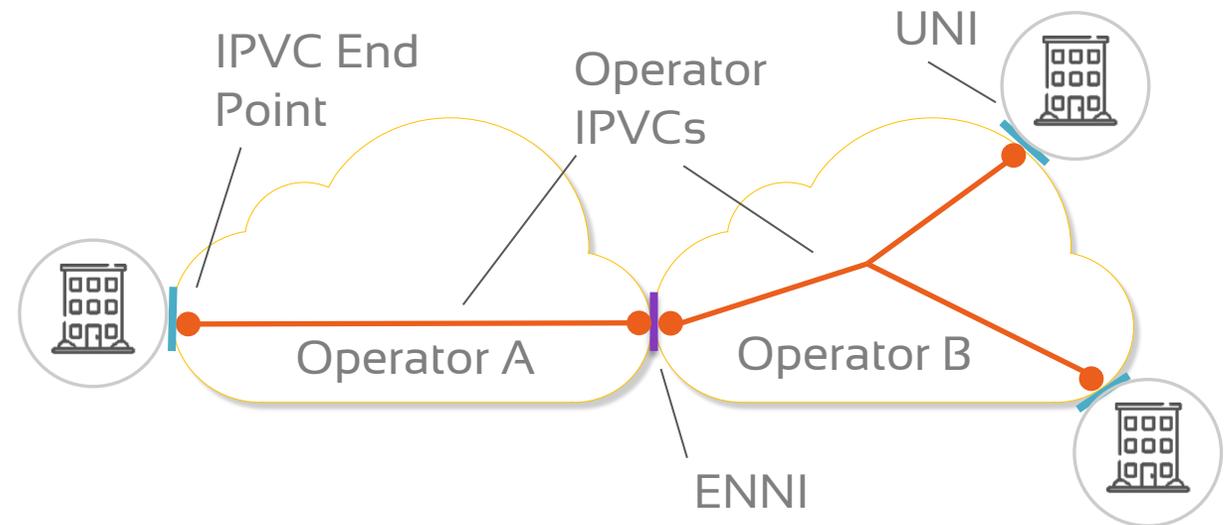
CoS/BWPs
TBD

SAT
In progress

* Publication on hold pending publication of IETF STAMP

MEF 61.1 – IP Service Attributes (Operator Case)

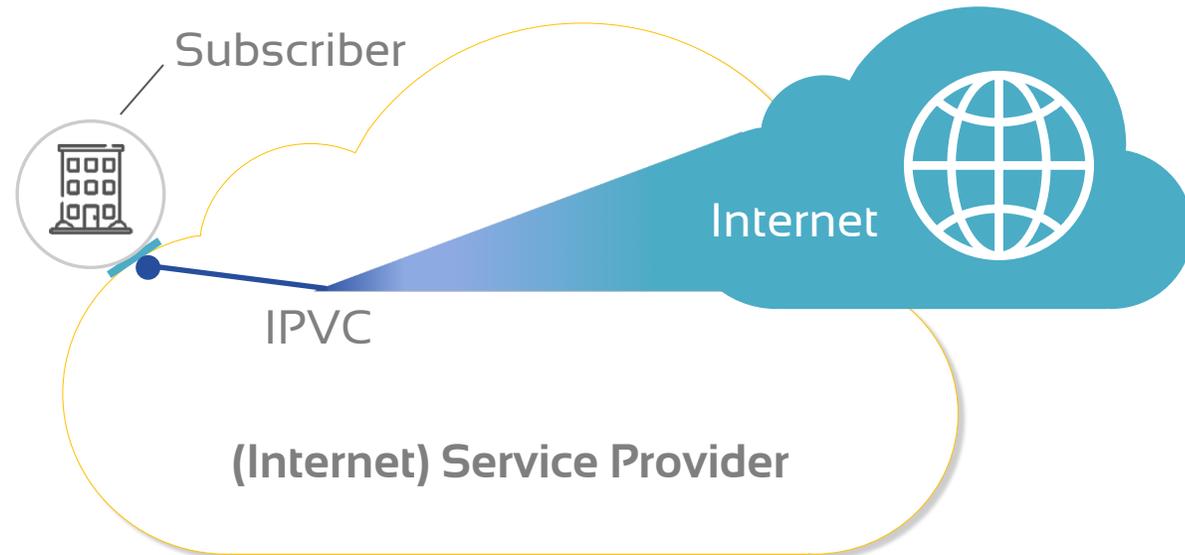
- **Operator Services**
 - Agreed between SP and an Operator
 - New concepts: ENNIs, Operators
- **RFC 4364 Option A**
 - No MPLS Labels at the ENNI
 - New attributes for mapping services across an ENNI
- **More to do...**
 - E.g. Option B and C



MEF 69 – Internet Access Service



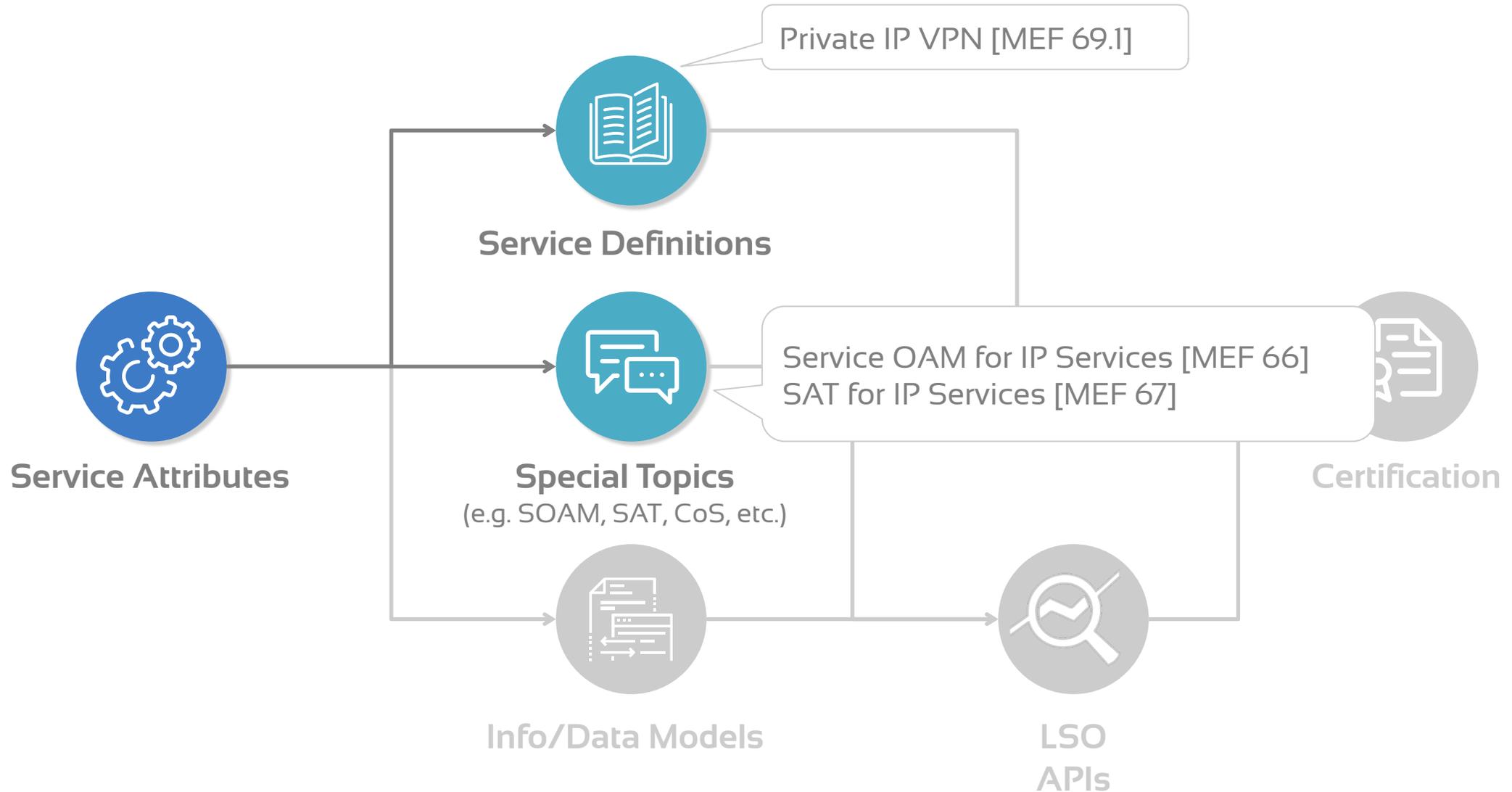
- Based on MEF 61.1 Service Attributes
- Two types of Internet Access:
 - Basic
 - Best-effort, plug and play
 - Residential or SME use
 - Advanced
 - SLS, static addressing, etc
 - Commercial use



Boundary between the ISP and “the Internet” is invisible to the Subscriber:

- Internet Access can include access to things within the SP’s own network and outside it
- Can include caching and similar

Active IP Projects





MEF19

