

# Identity Coexistence

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# Problem Statement

- We have two mechanisms defined for a form of “secure Identity”
  - P-Asserted-Identity (RFC 3325)
  - SIP Identity (RFC 4479)
- It is entirely unclear how these mechanisms work together (or not)
- It is entirely unclear how we migrate from P-Asserted-ID to SIP Identity

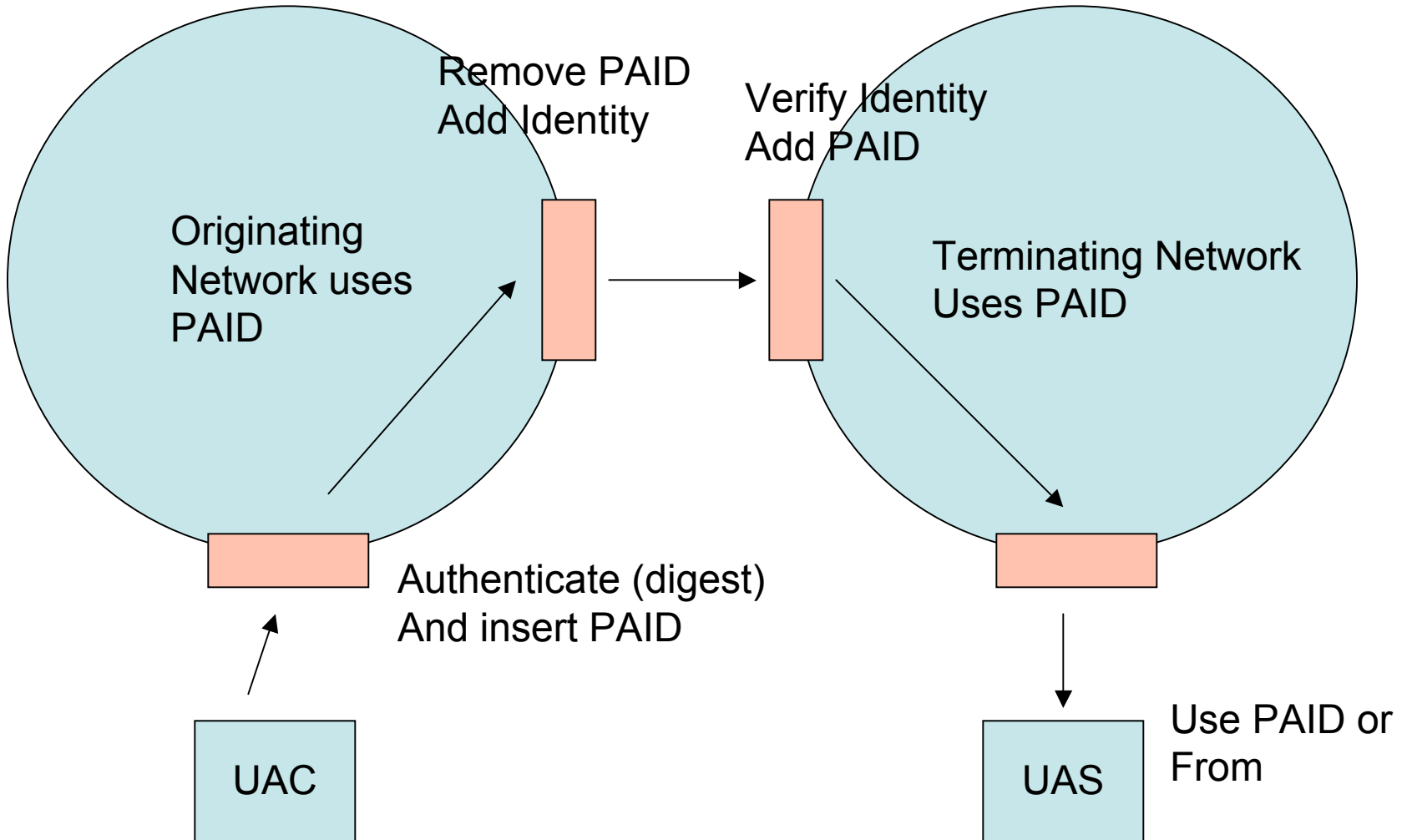
# Requirements

- Clear algorithm for a UA to render caller ID
- Continued ability to support call trace and anonymous calling
- Reduce barriers to deployment of SIP Identity
- Retain key properties of SIP Identity
- Clear guidance to implementors and designers on relative roles of From and P-A-ID

# Basic Idea

- Use P-A-ID as an “Intra-Domain” identity
- Use From with Identity as Inter-Domain identity

# Architecture



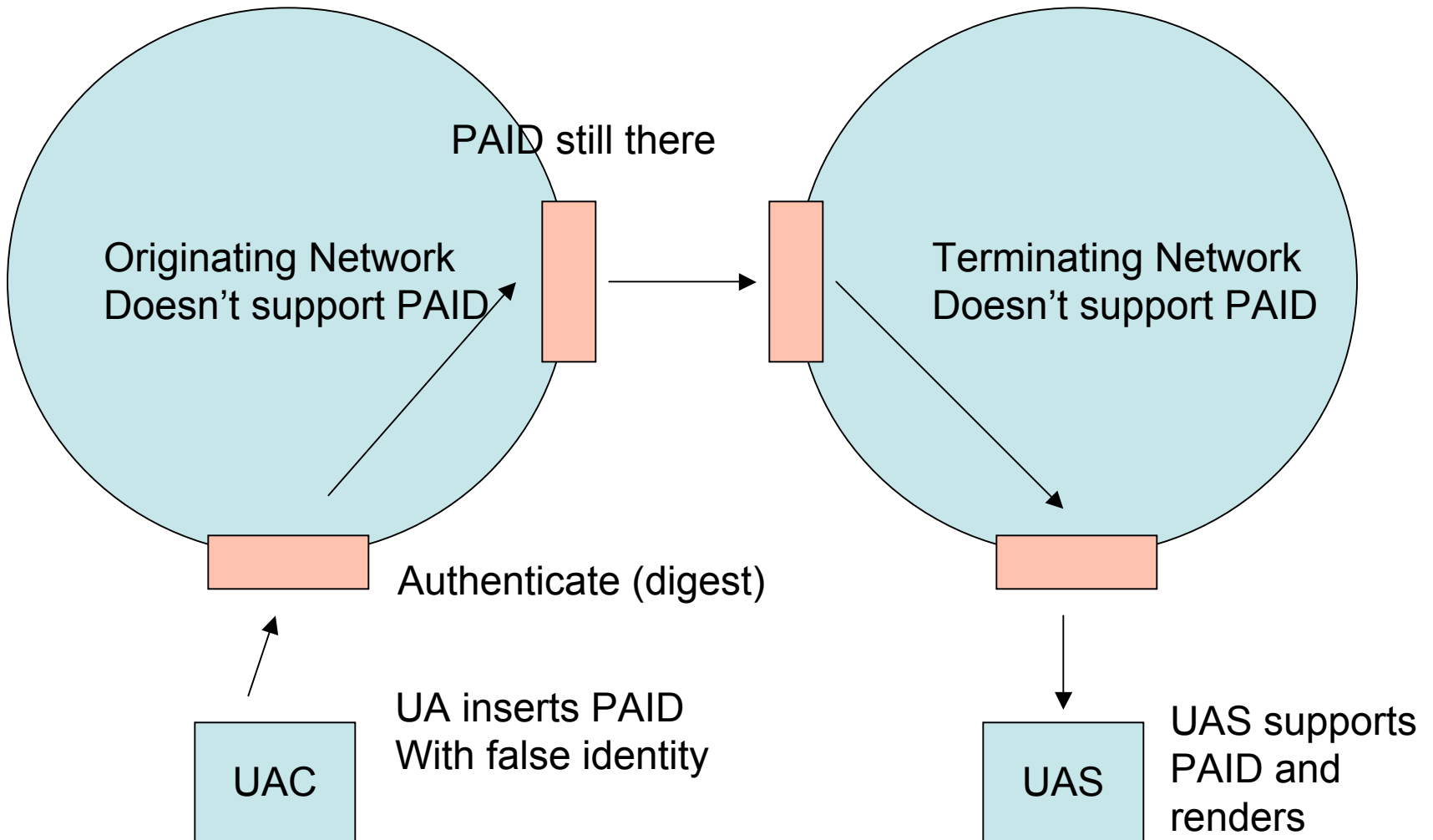
# Anonymity

- From would be constructed as anonymous within the domain  
(sip:gunk@example.com;user=anonymous)
  - UA obtains this from provider – contains traceable identity for malicious trace
  - Could be anonymous gruu....
- Originating domain authenticates and puts in PAID with actual identity
- PAID stripped at egress of originating domain
- Terminating domain inserts anonymous URI from From into PAID (since From verifies)

# Lots of Issues

- Do PAID and From really convey the same identity?
  - Disagrees with elwell draft which asserts that they are different
- How does this work through transit providers which modify SDP?
  - Should they resign? If they do that, is there any value to Identity?
- Does a domain need to signal support for this specification?

# Option Tag Use Case





# Questions

- Interest in pursuing as a work item?
  - Really predicated on belief that PAID and From have same identity