Revisiting RFC4916

• The “connected identity” draft, update to RFC4916
  – How to make Identity work in the backwards direction, since it can’t work for responses
  – Covers mid-dialog and dialog-terminating requests
    • Classic use case is UPDATE in the backwards direction before 200 OK: telling you who you actually reached

• Leveraging STIR to close security vulnerabilities
  – Route hijacking
    • I tried to call my bank, by an attacker somehow interposed
  – “Short stopping” and similar attacks
    • Intermediary networks forging BYE in one direction while the call proceeds in another
  – sipbrandy (RFC8862) needs it

• This does take STIR past the threat model of RFC7375
There’s a new version

• WG item at last
  – Supporting charter text also in place

• Minor revision for this round
  – Conferencing now out of scope
  – A bit more about pre-association and directories
  – Example templates added
    • More work to be done there, but, at least a start
Still to do

• Incorporate some previous discussions about privacy/anonymity
  – Definitely some risks about data collection if there aren’t sound policies for accepting a pre-dialog

• Is this really a bis of RFC4916?
  – So far, maintaining it is not
    • It isn’t so much replacing it as applying it to RFC8224
  – Examples need to reflect elimination of the Identity-Info header, etc.
Next Steps

• Still plenty to do here
  – But we think we need this, for a variety of use cases

• Comments, revisions, etc.