Rich Call Data PASSporT extension
draft-ietf-stir-passport-rcd-02/03

STIR Working Group
IETF104
Overview of update

• New update includes updates around including jCard and link to jCard.

• Extended examples to include jCards.
Three standard key/values for ‘rcd’ claim

• “nam”
• “jcd”
• “jcl”
Example of ‘rcd’ PASSporT with ‘nam’

PASSporT

Protected Header
{
  "alg":"ES256",
  "typ":"passport",
  "ppt":"rcd",
  "x5u":"https://biloxi.example.org/biloxi.cer"
}

Payload
{
  "orig":{"tn":"12025551000"},
  "dest":{"tn":"12025551001"},
  "iat":1443208345,
  "rcd":{"nam":"James Bond"}
}
Example of ‘rcd’ PASSporT with ‘jcd’

PASSporT

Protected Header
{
    "alg":"ES256",
    "typ":"passport",
    "ppt":"rcd",
    "x5u":"https://biloxi.example.org/biloxi.cer"
}

Payload
{
    "orig":{"tn":"12025551000"},
    "dest":{"tn":"12155551001"},
    "iat":1443208345,
    "rcd":{"nam":"James Bond","jcd":["vcard",["version",{},"text","4.0"],
    ["fn",{},"text","James Bond"],
    ["n",{},"text",["Bond","James","",","","","Mr."]],
    ["adr",{"type":"work"},"text",
    ["","","3100 Massachusetts Avenue NW","Washington","DC","20008","USA"]],
    ["email",{},"text","007@mi6-hq.com"],
    ["tel",{"type": ["voice","text","cell"],"pref":"1"},"uri",
    "tel:+1-202-555-1000"],
    ["tel",{"type": ["fax"]},"uri","tel:+1-202-555-1001"],
    ["bday",{},"date","19241116"],
    ["logo",{},"uri",
    "https://upload.wikimedia.org/wikipedia/en/c/c5/Fleming007impression.jpg"]]]
}
Example of ‘rcd’ PASSporT with ‘jcl’

PASSporT

Protected Header
{
    "alg":"ES256",
    "typ":"passport",
    "ppt":"rcd",
    "x5u":"https://biloxi.example.org/biloxi.cer"
}

Payload
{
    "orig":{"tn":"12025551000"},
    "dest":{"tn":"12025551001"},
    "iat":1443208345,
    "rcd":{"nam":"James Bond","jcl":"https://example.org/james_bond.json"}
}
Further work/discussion

• Logos :) - how is this same/different from BIMI discussion

• LOA in general - attestation level for authority over information in RCD (3rd party providers)

• Need to expand Sec Cons, etc.

• Still a bit more to do and consider around delegation and how RCD fits into overall picture