

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 BIMBI 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