



Thank you for this opportunity

Mark Haine – OpenID Foundation
eKYC & IDA Working Group

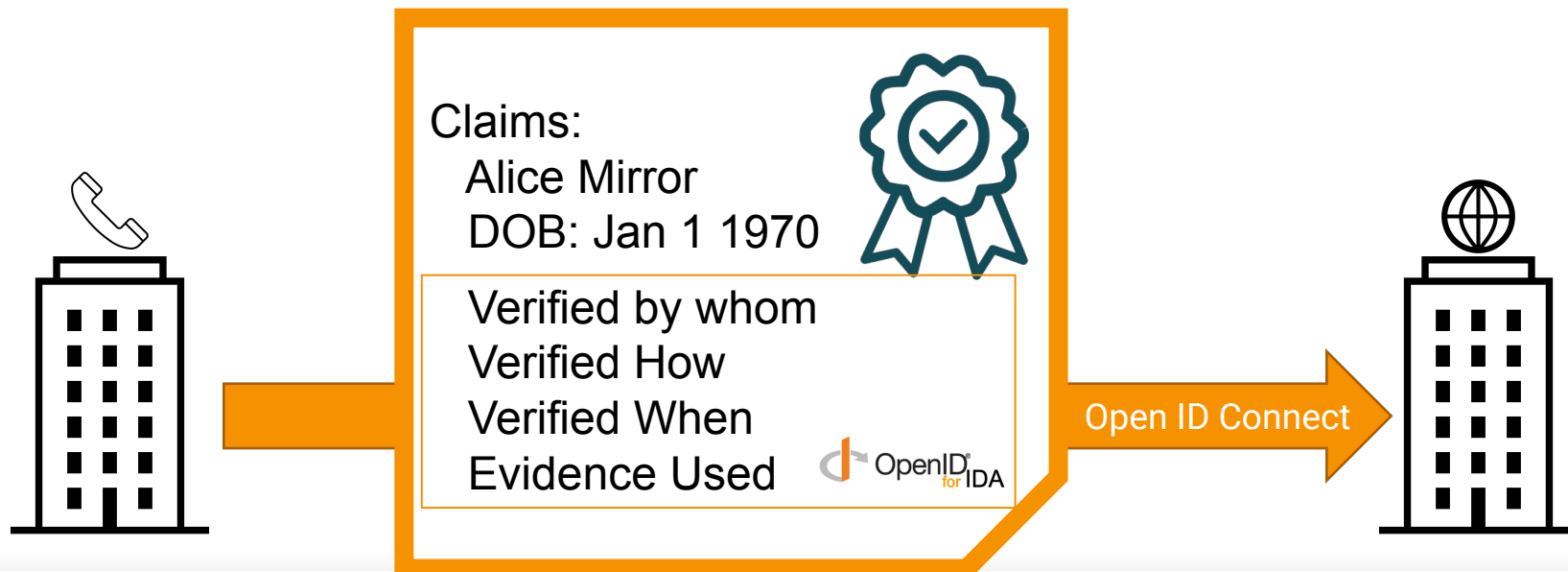
OpenID Connect for Identity Assurance

What is the business case?

- Reduced friction and cost by lowering the number of validation & verification processes an end user needs to perform
- Fewer credentials for consumers to manage
- Data minimization for Relying Parties who are able to specify which information they need for their use case

What is “OpenID Connect for Identity Assurance”?

A Signed Claims Passing Protocol with added verification metadata



OpenID Connect for Identity Assurance

What is the business case?

- Reduced friction and cost by lowering the number of validation & verification processes an end user needs to perform
- Fewer credentials for consumers to manage
- Data minimization for Relying Parties who are able to specify which information they need for their use case

OpenID Connect for Identity Assurance

Use Cases

Presenting Digital Identity whenever the level of assurance needs to be clear

- Opening an account
- Account recovery
- Staff onboarding
- Accessing restricted services
 - Government
 - Night Club
 - Alcohol/tobacco
 - Healthcare
 - etc

Working Group Overview

Objective of the Working Group

- Extend OIDC to include a standardized schema for expressing (and requesting) identity assurance metadata

Published Specifications

- OpenID Connect for Identity Assurance 1.0. (4th Implementer's Draft)
- JWT Claims registry request is submitted

Working group deliverables since last workshop in April

- We took a big decision to modularize the OpenID Connect for Identity Assurance draft
- More on next page

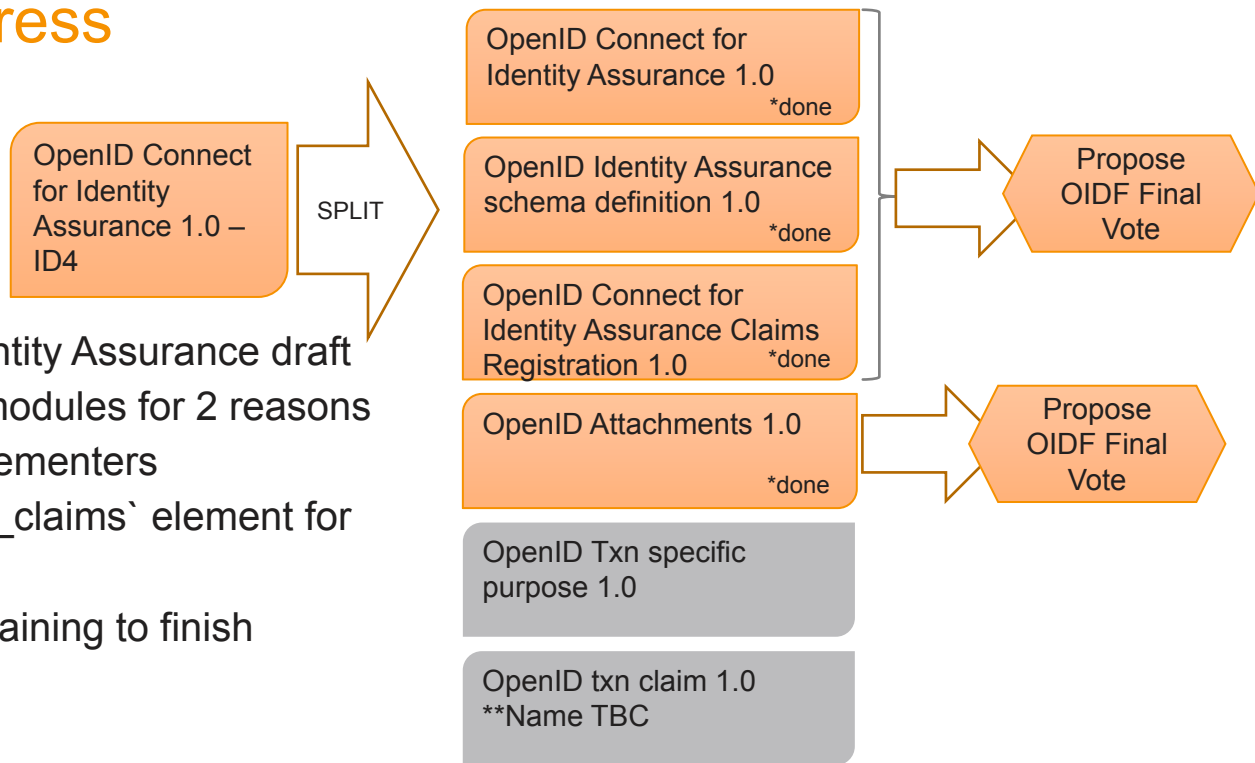
Working Group Progress

Modularization

- The Current OpenID for Identity Assurance draft is being split into separate modules for 2 reasons
- Easier consumption by implementers
- Easier reuse of the `verified_claims` element for example by OID4VC drafts
- Small number of issues remaining to finish

External achievements

- OIX recommendation to base Identity Assurance standards for interoperability on the work of the eKYC & IDA WG



Link: [OIX Data Standards recommendation](#)

OpenID for IDA Response example

```
{ "verified_claims": {  
  "verification": {
```

```
    "trust_framework": "phonia_tf",  
    "assurance_level": "substantial",  
    "time": "2021-05-11T14:29Z",  
    "txn": "85r3ds3254120132",
```

Transaction

Link to policy domain

```
    "evidence": [
```

```
      { "type": "document",  
        "validation_method": {  
          "type": "vri"  
        },  
        "time": "2021-04-09T14:12Z",  
        "document_details": {  
          "type": "driving_permit",  
          "date_of_expiry": "2030-12-31" }  
      },
```

Driving License document details

- verified remotely

```
      { "type": "electronic_record",  
        "txn": "71662937582385239",  
        "verifier": {  
          "organization": "Phonia" },  
        "procedure": "subscription_data",  
        "score": {  
          "number_type": "Mobile",  
          "blocked": false,  
          "last_sim_swap": "2018-05-11T11:02Z",  
          "risk_score": "low"  
        }  
      },
```

Phone subscription information

- from electronic records

```
    }  
  }  
}
```

```
  "claims": {  
    "msisdn": "019825098250",  
    "given_name": "Sarah",  
    "family_name": "Meredyth",  
    "address": {  
      "postal_code": "EH1 9GP",  
      "country": "UK",  
      "street_address": "122 Burns Crescent"
```

Verified digital identity claims

```
  }  
}
```


OpenID Connect for Identity Assurance Status

- Implementers draft 4 approved
- Heading to 'final' next
- Interoperability testing event done
- Beta version of Conformance testing tool delivered
- 3 production services exist today others are in progress

- Additional features will be delivered through other drafts and profiles
 - “Advanced Syntax for Claims” - further data minimisation and matching

Challenges

- Consent Management
- Purpose - consider not overloading “scope”
- Subscriber - User difference issue
- Profile for evidence & assurance processes
- snake_case -vs- camelCase

Thank You