eKYC & Identity Assurance Working Group

October, 2020

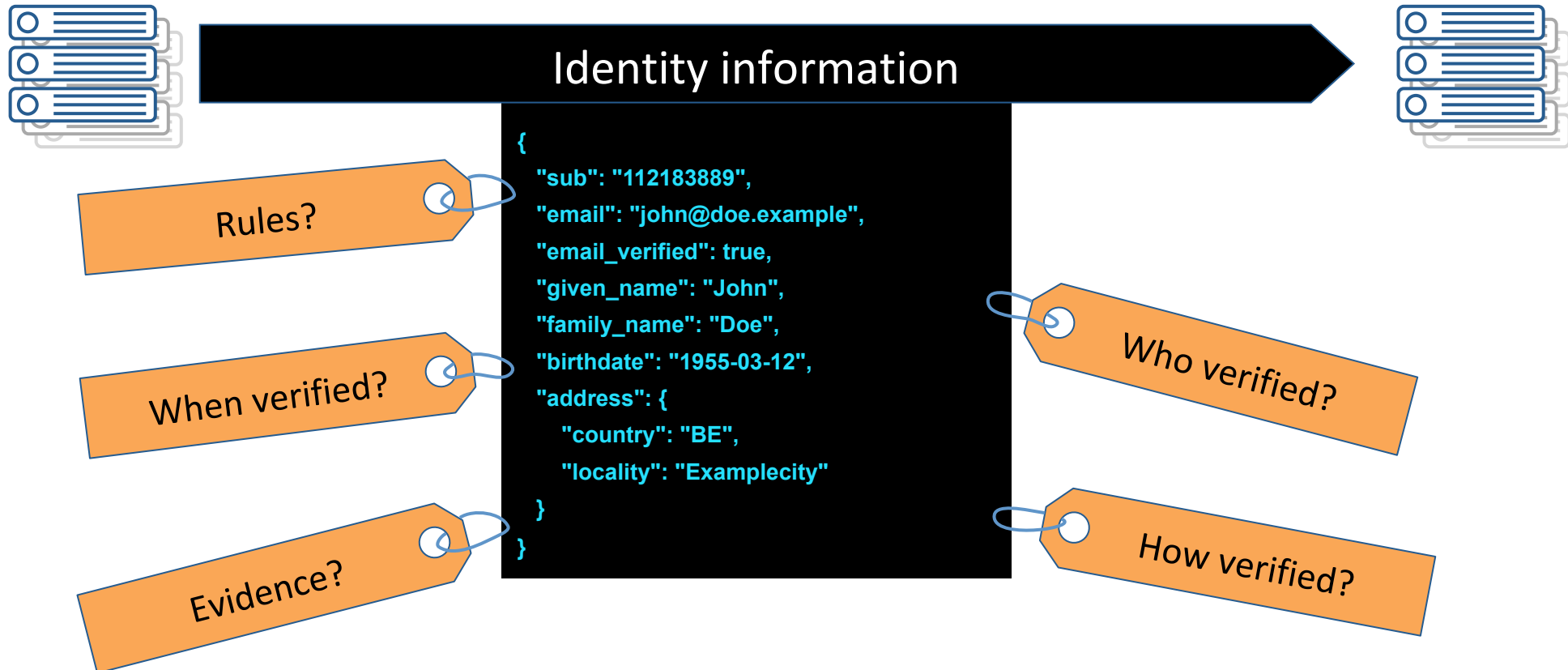**Torsten Lodderstedt**

CTO – yes.com

Objective

- Develop OpenID Connect extensions for communication of assured identity information

- Verified claims along with information about how the verification was done and how the respective claims are maintained

- Current Spec: OpenID Connect for Identity Assurance https://openid.net/specs/openid-connect-4-identity-assurance-1_0.html

Status Quo

OpenID

- eGovernment
- Health Data
- Anti Money Laundering
- Fraud Prevention
- Telecommunications
- Risk Mitigation

Identity information

```
{
    "sub": "112183889",
    "email": "john@doe.example",
    "email_verified": true,
    "given_name": "John",
    "family_name": "Doe",
    "birthdate": "1955-03-12",
    "address": {
        "country": "BE",
        "locality": "Examplecity"
    }
}
```

Rules?

When verified?
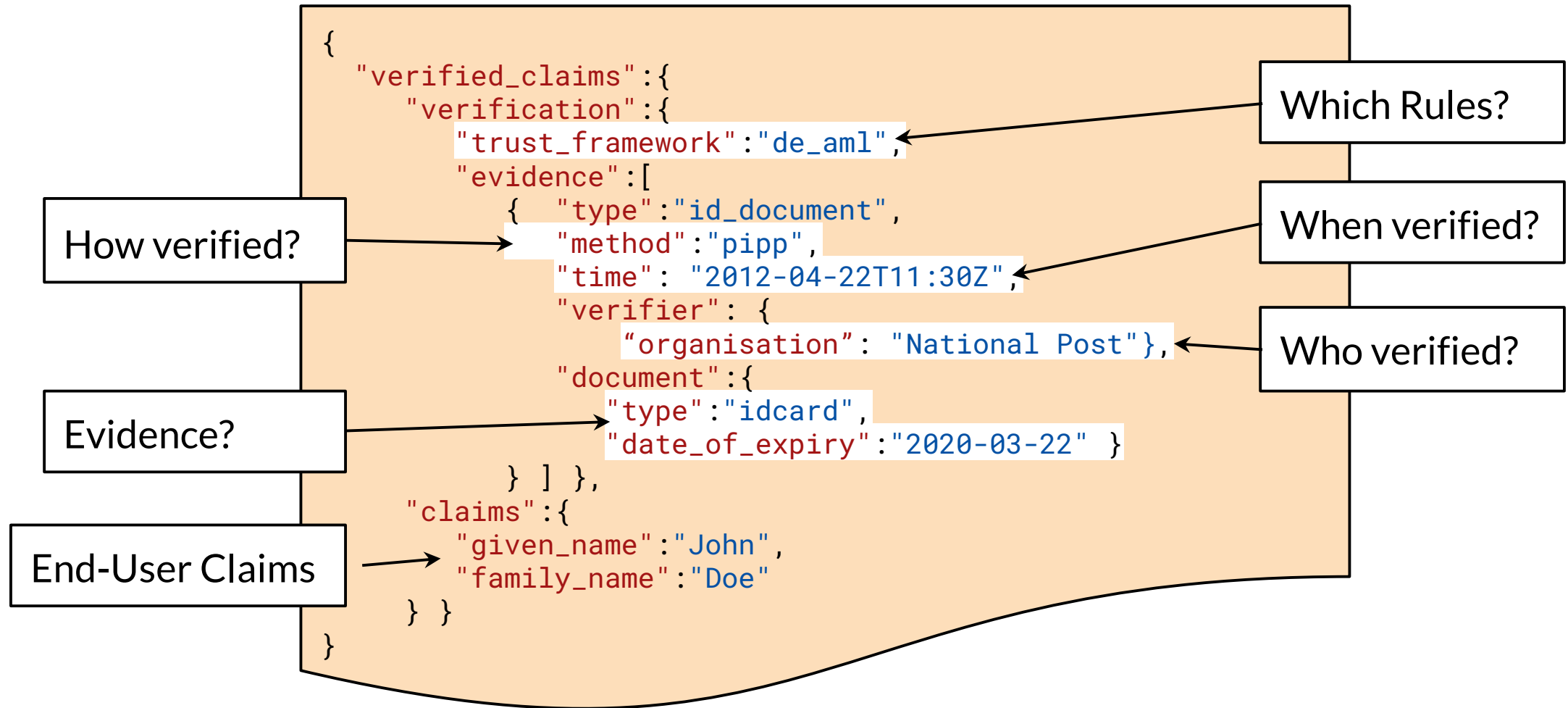
Evidence?

Who verified?

How verified?

OpenID Connect for Identity Assurance

- Representation for verified claims and verification information
- Enables
  - mapping between regulatory and legal contexts
  - dispute resolution
  - auditing

OpenID Connect 4 Identity Assurance - How?

Main Concepts

OpenID

- Explicitness
  - Trust Framework, Time & method of verification, Evidence
- Clarity
  - Clear distinction between claims with and without attestation
  - Can be used together with existing OpenID Connect Claims
- Versatility
- Preservation of Privacy
  - Relying party can express fine-grained data requests
  - Asks for individual Claims and verification data elements
  - Purpose of request can be conveyed

International Standard

→ Identifiers for…

Trust Frameworks	Identity Documents	Verification Methods
eIDAS & NIST 800-63A	ID Card & Passport	Physical In-Person Proofing
Japanese & German AML	Driver's License	Supervised remote In-Person
…	…	…

Full list: https://bitbucket.org/openid/ekyc-ida/wiki/identifiers

→ Extensible

→ Contributions welcome!

Current Status

- 2nd Implementer's Draft approved in May 2020
- Several implementations exist
- 3nd Implementers Draft in Preparation
  - New: Age Verification, MISDN, Alias
  - ID Document Images (Evidence)
  - Editorial improvements

Outlook

⇢ Aiming for final publication after Implementers Draft 3

⇢ Work with potential adopters, e.g. TISA, European Commission, ETSi

⇢ Conformance Tests

⇢ New Topics

  ⇢ Expression Language

  ⇢ Support for Legal Entities

Contributions welcome!

WG page: https://openid.net/wg/ekyc-ida/

WG meeting weekly on Wed (4pm CEST)