



# OpenID Connect Working Group Update

April 15, 2023

**Michael B. Jones**

Self-Issued Consulting

# OpenID Connect Working Group Overview

## Initiatives of the Working Group

- Created the OpenID Connect protocol, enabling login and logout
- Incubated OpenID Connect for Identity Assurance work
  - Now in the eKYC-IDA WG
- Developing OpenID Federation, enabling trust establishment among cooperating parties
- Incubated OpenID for Verifiable Credentials specifications
  - Transfer of the OpenID4VC specs to the Digital Credentials Protocols (DCP) working group is anticipated after OpenID Connect WG Implementer's Drafts are approved
- See the list of specs and descriptions at <https://openid.net/wg/connect/specifications/>

# OpenID Connect Working Group Specifications

## Final Specifications

- OpenID Connect ([Core](#), [Discovery](#), [Dynamic Client Registration](#), [Multiple Response Types](#), [Form Post Response Mode](#), [RP-Initiated Logout](#), [Session Management](#), [Front-Channel Logout](#), [Back-Channel Logout](#))
- [OpenID 2.0 to OpenID Connect Migration](#)
- [Error Code unmet\\_authentication\\_requirements](#)
- [Initiating User Registration via OpenID Connect](#)

## Specifications Under Development

- [OpenID Federation](#)
- OpenID for Verifiable Credentials ([Self-Issued OpenID Provider V2](#), [OpenID for Verifiable Presentations](#), [OpenID for Verifiable Credential Issuance](#))
- [UserInfo Verifiable Credentials](#)
- [Claims Aggregation](#)
- [Native SSO for Mobile Apps](#)

# Working Group Progress & Opportunities

Working group deliverables since last workshop in October 2023

- Second Errata Set for OpenID Connect specifications published, December 2023
- ISO Publicly Available Submission (PAS) submission accepted, January 2024 (see next slide)
- First Implementer's Draft of OpenID for Verifiable Credential Issuance specification, April 2024
- Multiple OpenID Federation drafts published
  - Federation Operators section rewritten for clarity
  - Working towards final Implementer's Draft
- Multiple OpenID4VC drafts published (described in the DCP WG presentation)

Challenges and opportunities facing the working group

- OpenID Federation in production use
  - In Italy, both for national federations and EU wallet ecosystem
  - In Australia, for FAPI trust establishment
  - In Sweden, for national federations
- Relationships with digital wallet initiatives and national identity systems worldwide

# ISO Publicly Available Submission (PAS) for OpenID Connect

Submission of OpenID Connect specs for republication by ISO/IEC JTC 1

- Will enable use of OpenID Connect in jurisdictions requiring specs by treaty organizations
- Submission accepted, January 2024
- No changes were made to the submitted specifications, other than adding ISO title pages
- ISO spec numbers assigned, February 2024
  - ISO/IEC CD 26131: Information technology — OpenID Connect Core 1.0
  - ISO/IEC CD 26132: Information technology — OpenID Connect Discovery 1.0
  - ISO/IEC CD 26133: Information technology — OpenID Connect Dynamic Client Registration 1.0
  - ISO/IEC CD 26134: Information technology — OpenID Connect RP-Initiated Logout 1.0
  - ISO/IEC CD 26135: Information technology — OpenID Connect Session Management 1.0
  - ISO/IEC CD 26136: Information technology — OpenID Connect Front-Channel Logout 1.0
  - ISO/IEC CD 26137: Information technology — OpenID Connect Back-Channel Logout 1.0
  - ISO/IEC CD 26138: Information technology — OAuth 2.0 Multiple Response Type Encoding Practices
  - ISO/IEC CD 26139: Information technology — OAuth 2.0 Form Post Response Mode
- Publication as ISO specs expected after five-month ISO balloting period

# Working Group Roadmap

DATE	DELIVERABLES	ASPIRATIONS	NOTES
Q2 2024	Final OpenID Federation Implementer's Draft	Finish bringing text up to OpenID Connect quality standards	Can discuss specifics this week
Q3 2024	ISO PAS specifications for OpenID Connect published	Make OpenID Connect specs available to those with treaty-based procurement processes	ISO publication expected after conclusion of five-month ballot period
Q4 2024	Final Federation Spec	Trust establishment for broad set of use cases	Having Final spec will accelerate deployments

# Tenth Anniversary of OpenID Connect

- OpenID Connect specifications were approved in February 2014
- Three celebrations are being held
  - January 2024 at Japan OpenID Summit in Tokyo
  - May 2024 at Identiverse in Las Vegas
  - June 2024 at EIC in Berlin
- Presentations from first celebration published at <https://self-issued.info/?p=2481>
- During the celebrations, we are sharing our perspectives on
  - How we developed OpenID Connect
  - Why it succeeded
  - Lessons we learned along the way
- Lessons learned
  - “Keep simple things simple”
  - Repeated interop testing and incorporating resulting feedback from developers was critical
  - Certification enables an ecosystem of interoperable implementations

# What the Working Group Plans to Accomplish at IIW This Week

What sessions do you plan to hold?

What hallway/table conversations do you want to have?

What demos are you presenting?

Logistics:

- Today's OpenID Connect working group call cancelled in favor of this workshop
- Do we want to hold Thursday's 7am working group call?