FAPI-SIG Community 16th Meeting

@Web Conference

31 Mar 2021

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PROPOSED DRAFT

Major Topics

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- FAPI-CIBA
PR review/revise code in progress

    KEYCLOAK-12137 OpenID Connect Client Initiated Backchannel Authentication (CIBA)

- Client Policies
PR review/revise code in progress

    KEYCLOAK-16805 Client Policy : Support New Admin REST API (Implementation)

- FAPI 2.0

    Design document for supporting Pushed Authorization Request(PAR) was submitted.

- SPA/Native App

    Design document for supporting OAuth 2.0 Demonstration of Proof-of-Possession (DPoP) was submitted.

Status Updates from 15th Meeting
FAPI-CIBA

PROPOSED DRAFT

Upstreaming CIBA Support

In Review

● Pure CIBA

KEYCLOAK-12137 OpenID Connect Client Initiated Backchannel Authentication (CIBA)

- CIBA Implementation based on its prototype (tnorimat/ciba-prototype)
- #59 Use Only Auth Result Cache by Infinispan For CIBA Flow Session Binding
- #60 Use Only Auth Result Cache on Communication with Decoupled Auth Server
- #61 Token Request Throttling Information Not Cluster-wide Sync

● FAPI-CIBA
- #57 support User Code

● FAPI-CIBA
- #55 support id_token_hint

● FAPI-CIBA
- #54 support login_hint_token

● FAPI-CIBA
- #53 encrypt/decrypt login_hint

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PROPOSED DRAFT

6

Status Updates from 15th Meeting
Client Policies

Issue status in detail : External Interfaces

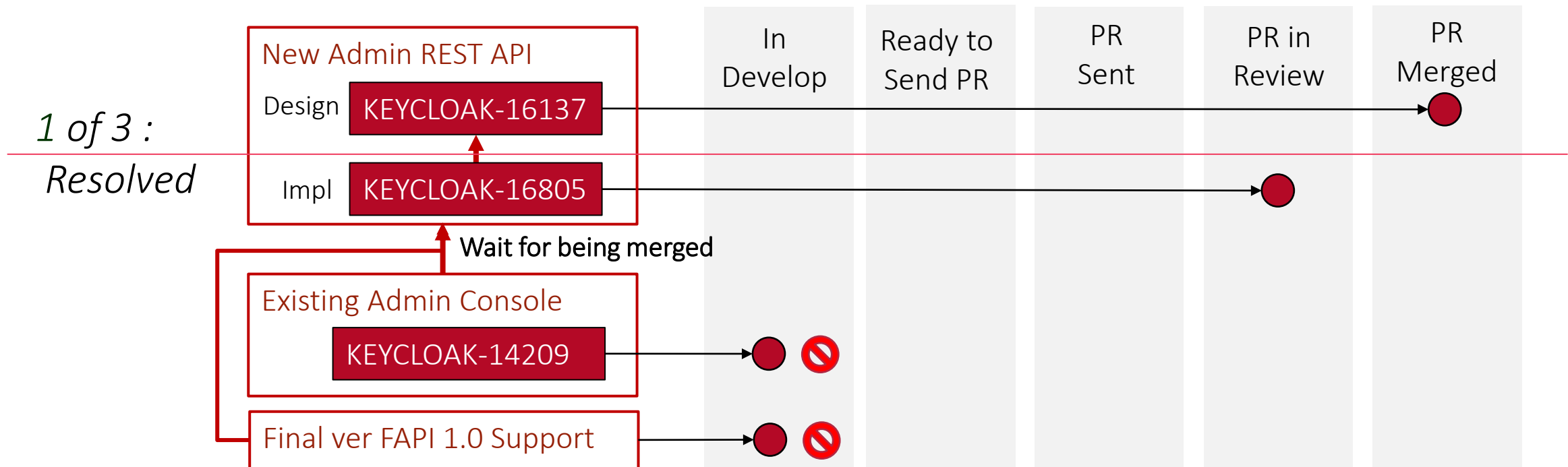[New Admin REST API]

Resolved KEYCLOAK-16137 Client Policy : Support New Admin REST API (Design)

PR in Review KEYCLOAK-16805 Client Policy : Support New Admin REST API (Implementation)

[Existing Admin Console]

- KEYCLOAK-14209 Client Policy : UI on Admin Console

1 of 3 :
Resolved

	In Develop	Ready to Send PR	PR Sent	PR in Review	PR Merged
New Admin REST API					
Design KEYCLOAK-16137					●
Impl KEYCLOAK-16805				●	

Wait for being merged

Existing Admin Console
KEYCLOAK-14209 → ● 🚫

Final ver FAPI 1.0 Support → ● 🚫

Working Items in FY 2021

Responsibility

Implementation

Conformance Test
Run & Feedback

Contribution

Instruction for
Requesting Certification

FAPI-SIG

Keycloak Development Team

Review & Merge

Get Certification
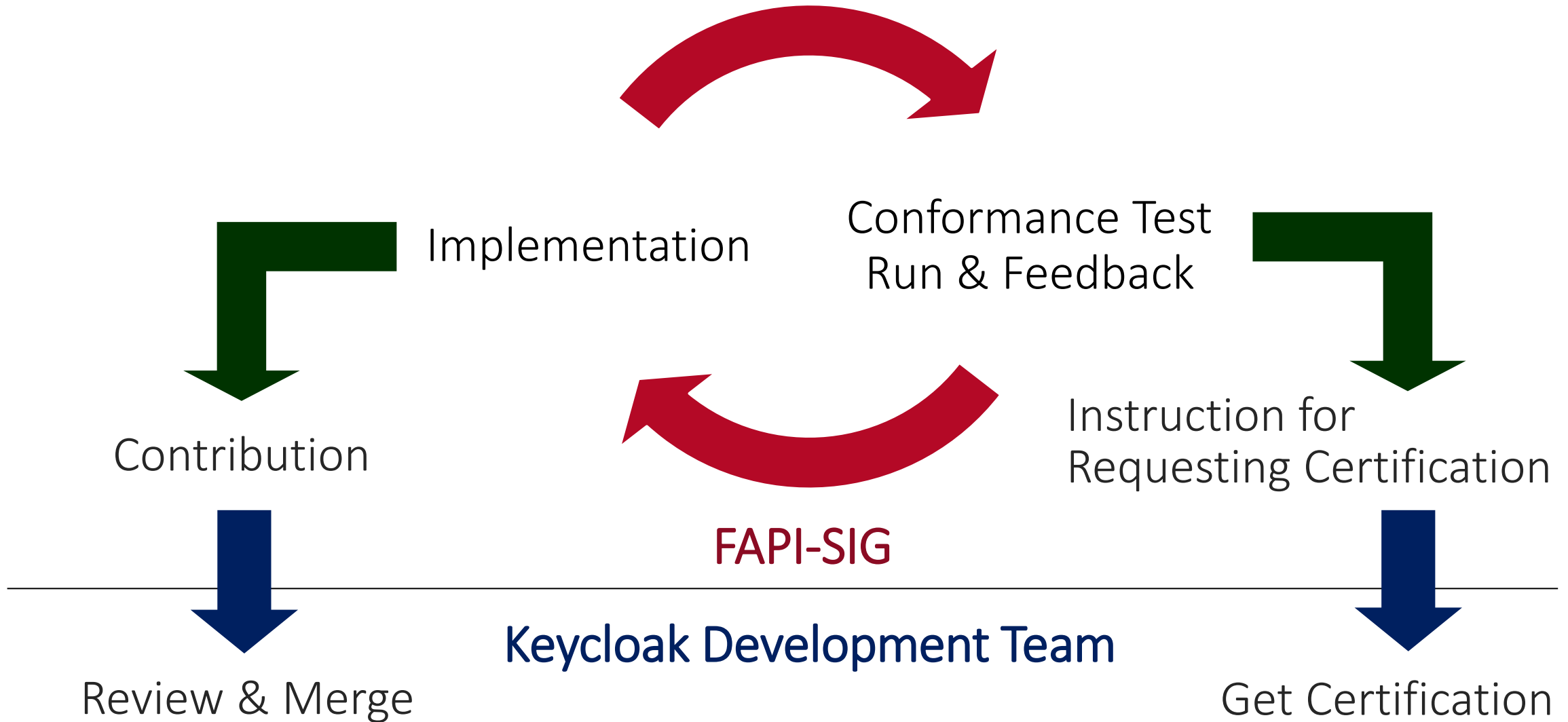
Take-Over Items (Apr 2021 -)

- Project : FAPI-RW
  - Supporting final version of FAPI 1.0 (baseline/advanced)
  - Passing all conformance tests for its final version
    - FAPI-RW OP w/MTLS
    - FAPI-RW OP w/Private Key
  - Contributing automating conformance tests run to keycloak's code base

- Project : FAPI-CIBA
  - Supporting FAPI-CIBA (poll mode)
  - Passing all conformance tests
    - FAPI-CIBA OP poll w/MTLS
    - FAPI-CIBA OP poll w/Private Key

- Project : Client Policies
  - Supporting for New Admin Console UI
  - Completing Client Registration Policy migration

New Items (Apr 2021 -)

[Security Features]

<Common>

● OIDC Client's Public Key Management 🇯🇵 Hitachi

<SPA/Native App>

In Progress OAuth 2.0 Demonstration of Proof-of-Possession (DPoP) 🇬🇧 Backbase

<High Level Security>

● FAPI 2.0 (baseline/advanced)

In Progress Pushed Authorization Request (PAR) 🇩🇪🇺🇦 Adorsys

• Rich Authorization Request (RAR)

• Grant Management API
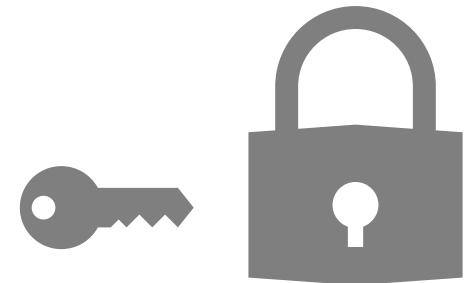
New Items (Apr 2021 -)

[Market Specific Features]

<PSD2>

● Following eIDAS regulations

In Progress QWAC verification   Adorsys
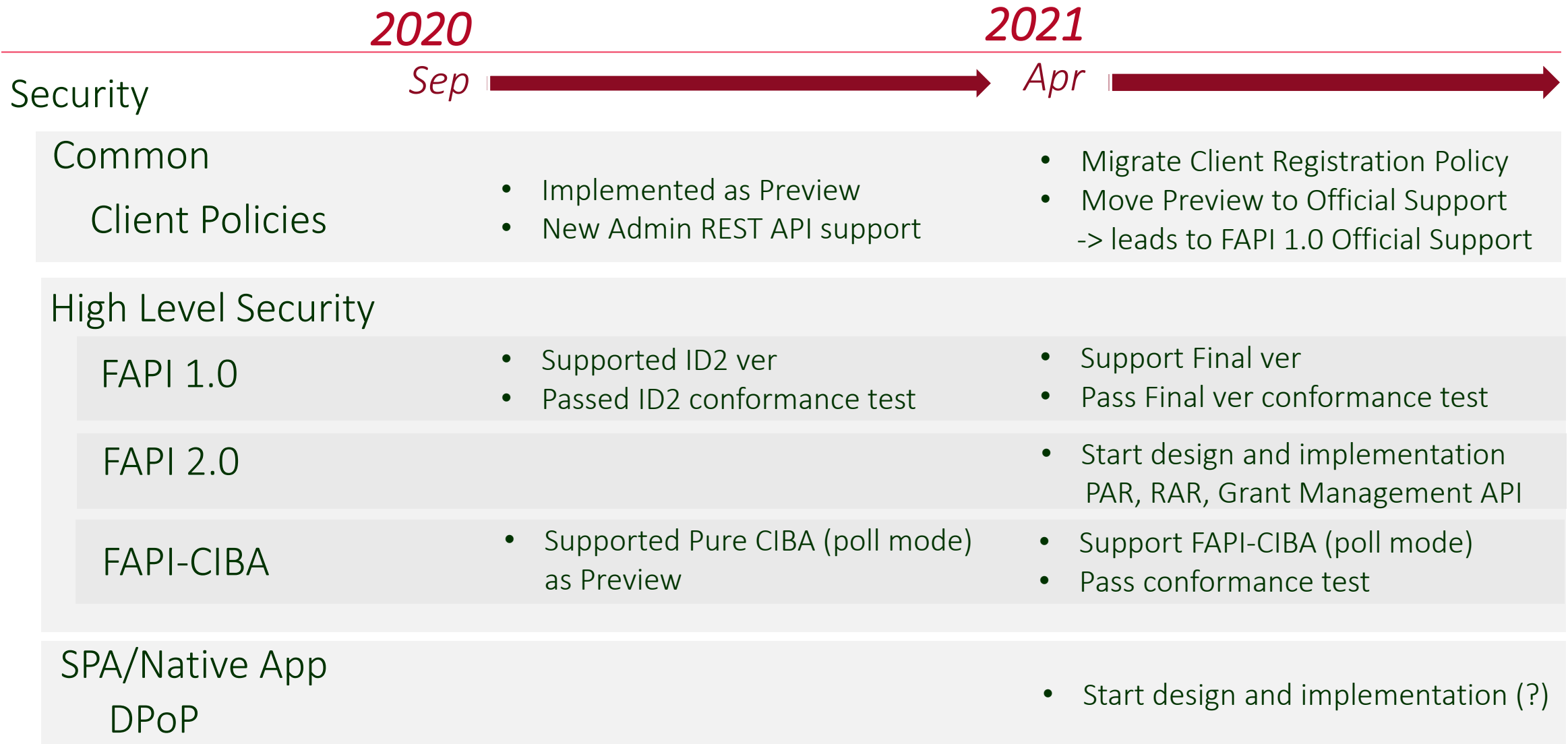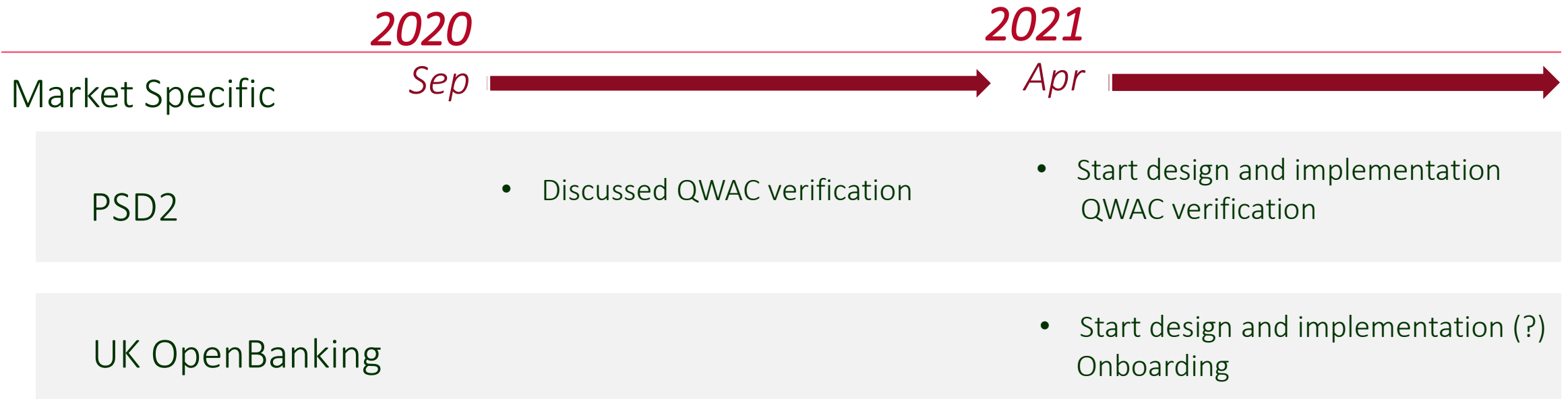
● Consent Management

<UK OpenBanking>

● Onboarding

- Software Statement Support

- Software Statement Assertion (SSA) Verification

Load Map

	2020	2021

Security Sep ➝ Apr ➝

Common		
Client Policies	• Implemented as Preview • New Admin REST API support	• Migrate Client Registration Policy • Move Preview to Official Support -> leads to FAPI 1.0 Official Support

High Level Security

FAPI 1.0	• Supported ID2 ver • Passed ID2 conformance test	• Support Final ver • Pass Final ver conformance test
FAPI 2.0		• Start design and implementation PAR, RAR, Grant Management API
FAPI-CIBA	• Supported Pure CIBA (poll mode) as Preview	• Support FAPI-CIBA (poll mode) • Pass conformance test

SPA/Native App DPoP		• Start design and implementation (?)

Load Map

2020　　　　　　　　　　　*2021*

Market Specific　　　*Sep* ➤　　　　*Apr* ➤

PSD2	• Discussed QWAC verification	• Start design and implementation QWAC verification
UK OpenBanking		• Start design and implementation (?) Onboarding

Security Profiles Layout

: Realized by the end of FY 2020

: Proposed in FY 2021

: Proposed Ecosystem/Region Specific Futures in FY 2021

FAPI2-Advanced

FAPI2-Baseline

Admin Console UI

Admin REST API

FAPI 1.0

PSD2 eIDAS

OB Onboarding

FAPI-CIBA (poll)

Client Policy

CIBA

PAR

RAR

DPoP

Keycloak body codes

END