FAPI-SIG Community 7th Meeting

@Web Conference

18 Nov 2020

PROPOSED DRAFT

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Status Updates from 6th Meeting FAPI-RW

Remaining Issues Status
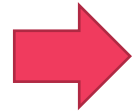
4 Nov 2020

4 Issues in total

  1 Resolved

  2 Assigned

  1 Not Assigned

    (but in progress)

17 Nov 2020

  1 Resolved   +0

  2 Assigned   +0

  1 Not Assigned   +0

    (but in progress)

Remaining Issues for FAPI-RW project

[Conformance Test]

- #39 Confirm all FAPI R/W OP w/ MTLS conformance tests are passed by the released keycloak

  Assigned

- #40 Confirm all FAPI R/W OP w/ Private key conformance tests are passed by the released keycloak

  Assigned

Both waiting for the next version release.

[Conformance Test Environment]

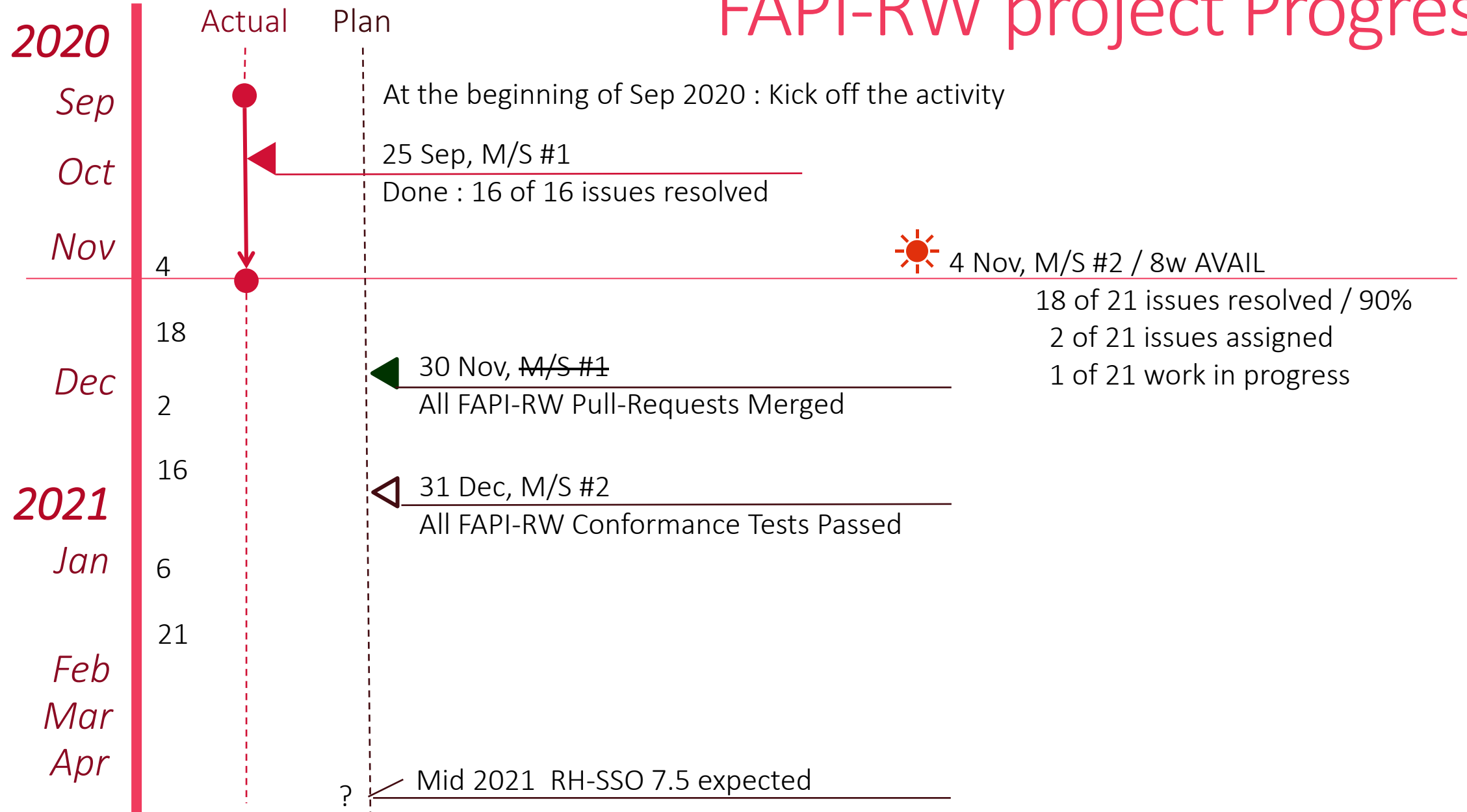- #45 Integrating FAPI-RW conformance tests run into keycloak's CI/CD pipeline

  ✔ Automation of FAPI Conformance Tests has been completed.

- #46 Consider alternative for keycloak-gatekeeper used in FAPI-RW conformance test run environment

  Resolved

FAPI-RW project Progress

2020

Actual   **Plan**

Sep At the beginning of Sep 2020 : Kick off the activity

Oct 25 Sep, M/S #1
Done : 16 of 16 issues resolved

Nov 4 ☀ 4 Nov, M/S #2 / 8w AVAIL

18 of 21 issues resolved / 90%
2 of 21 issues assigned

18

Dec 30 Nov, ~~M/S #1~~
All FAPI-RW Pull-Requests Merged

1 of 21 work in progress

2

16 31 Dec, M/S #2
All FAPI-RW Conformance Tests Passed

2021

Jan 6

21

Feb
Mar
Apr ? Mid 2021 RH-SSO 7.5 expected

PROPOSED DRAFT

Status Updates from 6th Meeting
FAPI-CIBA (poll mode)

Subtasks Status
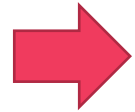
4 Nov 2020

13 Subtasks in total

6 Resolved [46%]

0 PR sent, in review

7 Assigned

0 Not Assigned

17 Nov 2020

7 Resolved [54%]   +1

2 PR sent, in review   +2

4 Assigned   -3

0 Not Assigned   +0

Remaining Issues for FAPI-CIBA project

[Backchannel Authentication Request]

- #53 encrypt/decrypt login_hint

  Resolved

- #54 support login_hint_token

  Resolved

- #55 support id_token_hint

  Resolved

- #56 support Signed Authentication Request

  Assigned

- #57 support User Code

  Resolved

Remaining Issues for FAPI-CIBA project

[Settings]

- #58 Realm Settings (CIBA Policy) overriden by Client Settings

✔ In Review

[Internals]

- #59 Use Only Auth Result Cache by Infinispan For CIBA Flow Session Binding

  Resolved

- #60 Use Only Auth Result Cache on Communication with Decoupled Auth Server

  Resolved

- #61 Token Request Throttling Information Not Cluster-wide Sync

✔ Resolved

- #62 Use Security Event Token (SET) as message format between keycloak and Decoupled Auth Server

✔ In Review

Remaining Issues for FAPI-CIBA project

[Arquillian Integration Test]

- #63 Confirm CIBA Implementation Works Well in Clustering Environment

  Assigned

- #64 Confirm CIBA Implementation Works Well in Cross-DC Environment
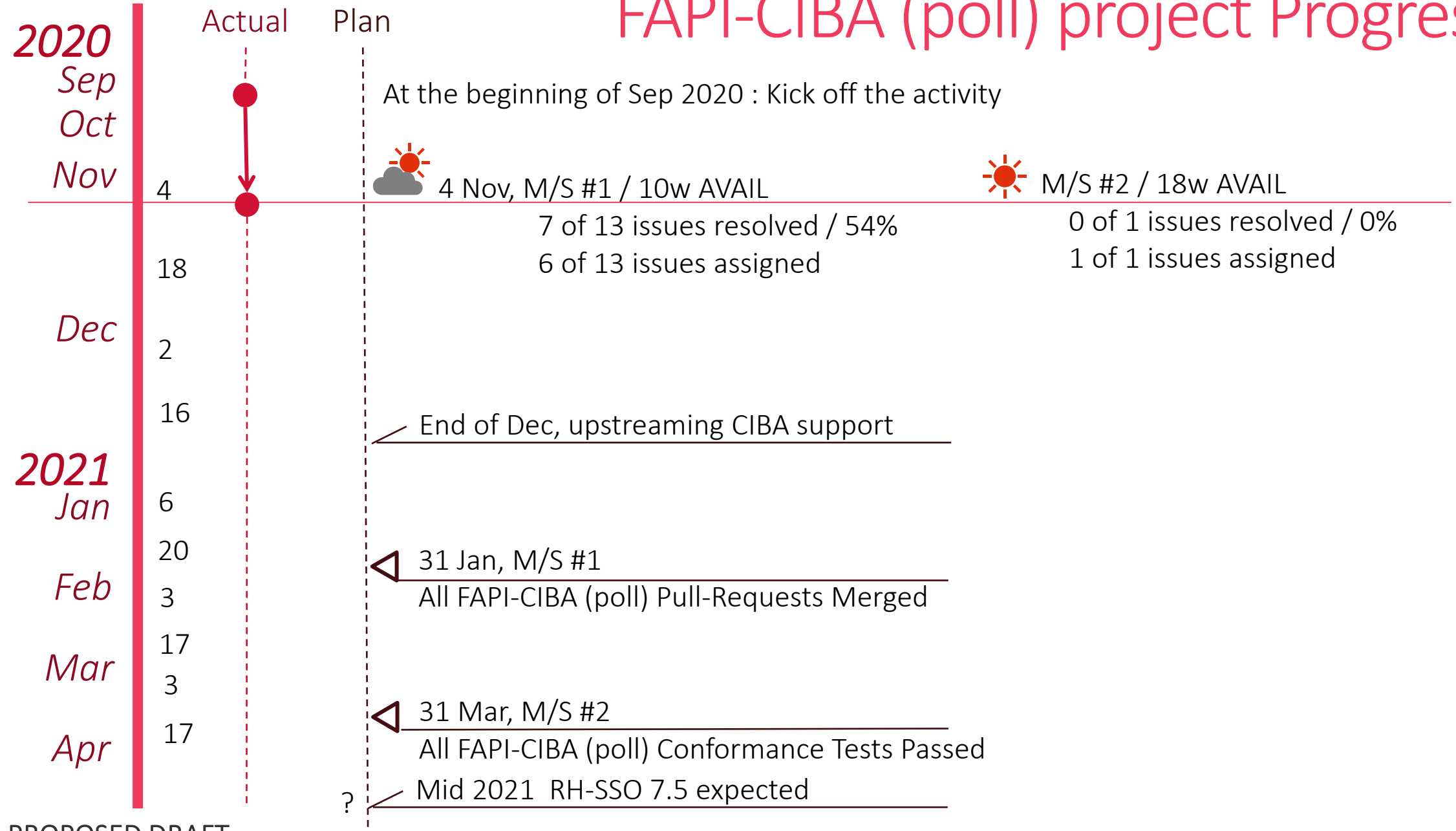
  Assigned

[Conformance Test]

- #65 Establish the way of running FAPI-CIBA OP poll w/ MTLS and w/ Private Key against CIBA Implementation

  Assigned

FAPI-CIBA (poll) project Progress

2020		Actual	Plan	
Sep				At the beginning of Sep 2020 : Kick off the activity

Nov 4 — M/S #1 / 10w AVAIL
- 7 of 13 issues resolved / 54%
- 6 of 13 issues assigned

M/S #2 / 18w AVAIL
- 0 of 1 issues resolved / 0%
- 1 of 1 issues assigned

2020		
Sep		
Oct		
Nov	4	
	18	
Dec	2	
	16	End of Dec, upstreaming CIBA support
2021		
Jan	6	
	20	31 Jan, M/S #1
Feb	3	All FAPI-CIBA (poll) Pull-Requests Merged
	17	
Mar	3	31 Mar, M/S #2
Apr	17	All FAPI-CIBA (poll) Conformance Tests Passed
	?	Mid 2021 RH-SSO 7.5 expected

PROPOSED DRAFT

Status Updates from 6th Meeting
Client Policy Official Support

Subprojects

[Mandatory]

Active External Interfaces

Active Client Policies for FAPI-RW

[Optional]

Pend Built-in Default Client Policies

Pend Client Registration Policies Migration
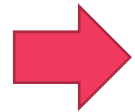
Issues Status - Subproject: External Interfaces

4 Nov 2020

5 Issues in total

    0 Resolved [0%]

    0 Assigned

    5 Not Assigned

17 Nov 2020

    0 Resolved [0%]   +0

    2 Assigned   +2

    3 Not Assigned   -2

Subproject : External Interfaces

- KEYCLOAK-16137 Client Policy : Support New Admin REST API (Clear JSON Representation)
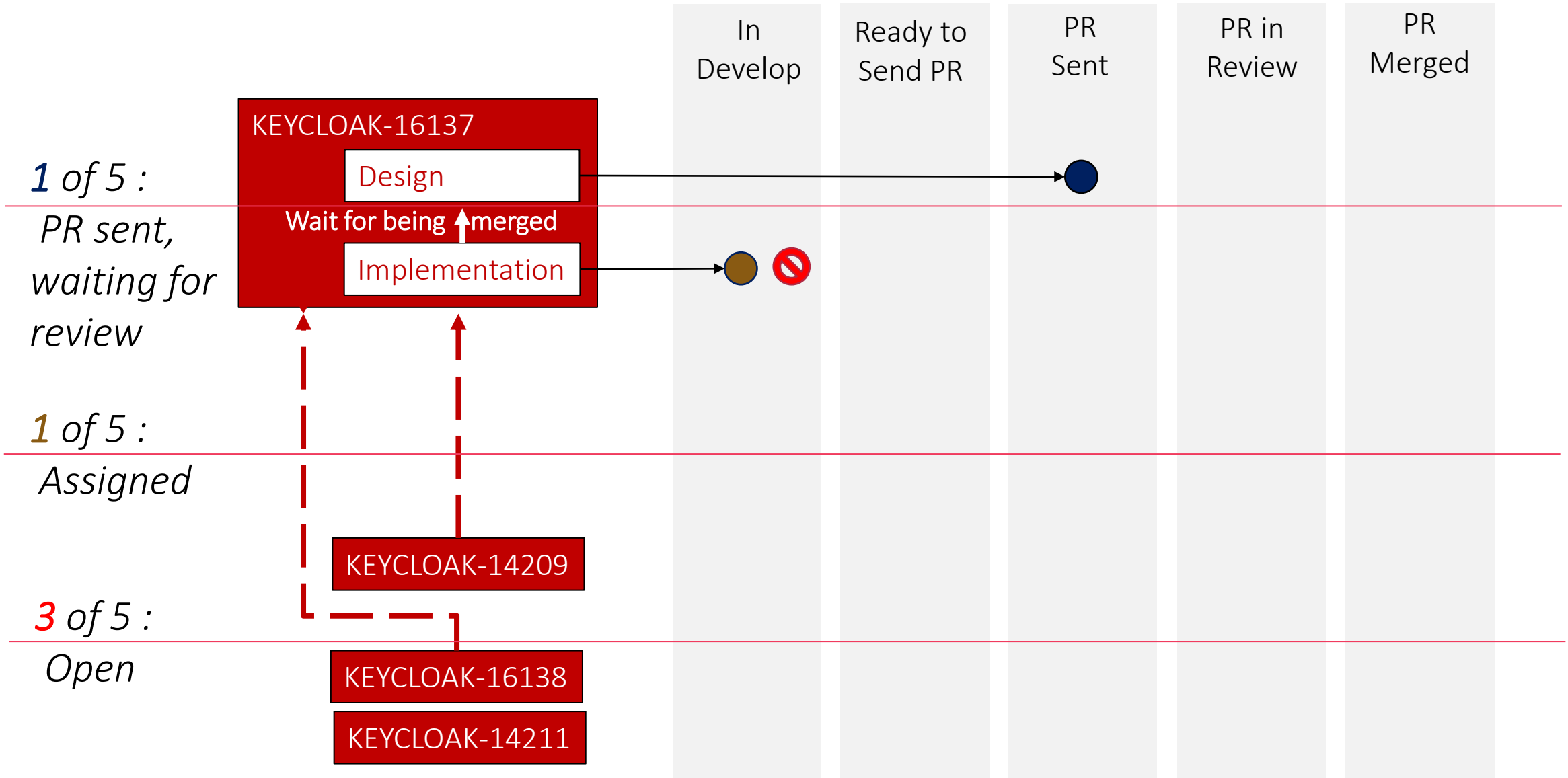
PR Sent Wait Review Design

Assigned Implementation

- KEYCLOAK-16138 Client Policy : Support New Admin Console UI

- KEYCLOAK-14209 Client Policy : UI on Admin Console

- KEYCLOAK-14211 Client Policy : Remove Client Policy related individual settings on Admin Console

Issues Status - Subproject: Client Policies for FAPI-RW

4 Nov 2020

17 Nov 2020

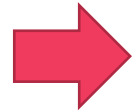18 Issues in total

4 Resolved [22%]   7 Resolved [39%]   +3

11 Assigned   10 Assigned   -5

3 Not Assigned   1 Not Assigned   +2

Subproject : Client Policies for FAPI-RW

RESOLVED KEYCLOAK-14190 Client Policy - Condition : The way of creating/updating a client

Ready to Send PR KEYCLOAK-14191 Client Policy - Condition : Author of a client - User Group

Ready to Send PR KEYCLOAK-14192 Client Policy - Condition : Author of a client - User Role

PR Sent Wait Review KEYCLOAK-14193 Client Policy - Condition : Client - Client Access Type

- KEYCLOAK-14194 Client Policy - Condition : Client - Client Domain Name

RESOLVED KEYCLOAK-14195 Client Policy - Condition : Client - Client Role

RESOLVED KEYCLOAK-14196 Client Policy - Condition : Client - Client Scope

Ready to Send PR KEYCLOAK-14197 Client Policy - Condition : Client - Client Host

RESOLVED KEYCLOAK-14198 Client Policy - Condition : Client - Client IP

Subproject : Client Policies for FAPI-RW

RESOLVED KEYCLOAK-14199 Client Policy - Executor : Enforce more secure client authentication method when client registration

Assigned KEYCLOAK-14200 Client Policy - Executor : Enforce Holder-of-Key Token

RESOLVED KEYCLOAK-14201 Client Policy - Executor : Enforce Proof Key for Code Exchange (PKCE)

Assigned KEYCLOAK-14202 Client Policy - Executor : Enforce secure signature algorithm for Signed JWT client authentication

Ready to Send PR KEYCLOAK-14203 Client Policy - Executor : Enforce HTTPS URIs

RESOLVED KEYCLOAK-14204 Client Policy - Executor : Enforce Request Object satisfying high security level

RESOLVED KEYCLOAK-14205 Client Policy - Executor : Enforce Response Type of OIDC Hybrid Flow

RESOLVED KEYCLOAK-14206 Client Policy - Executor : Enforce more secure state and nonce treatment for preventing CSRF
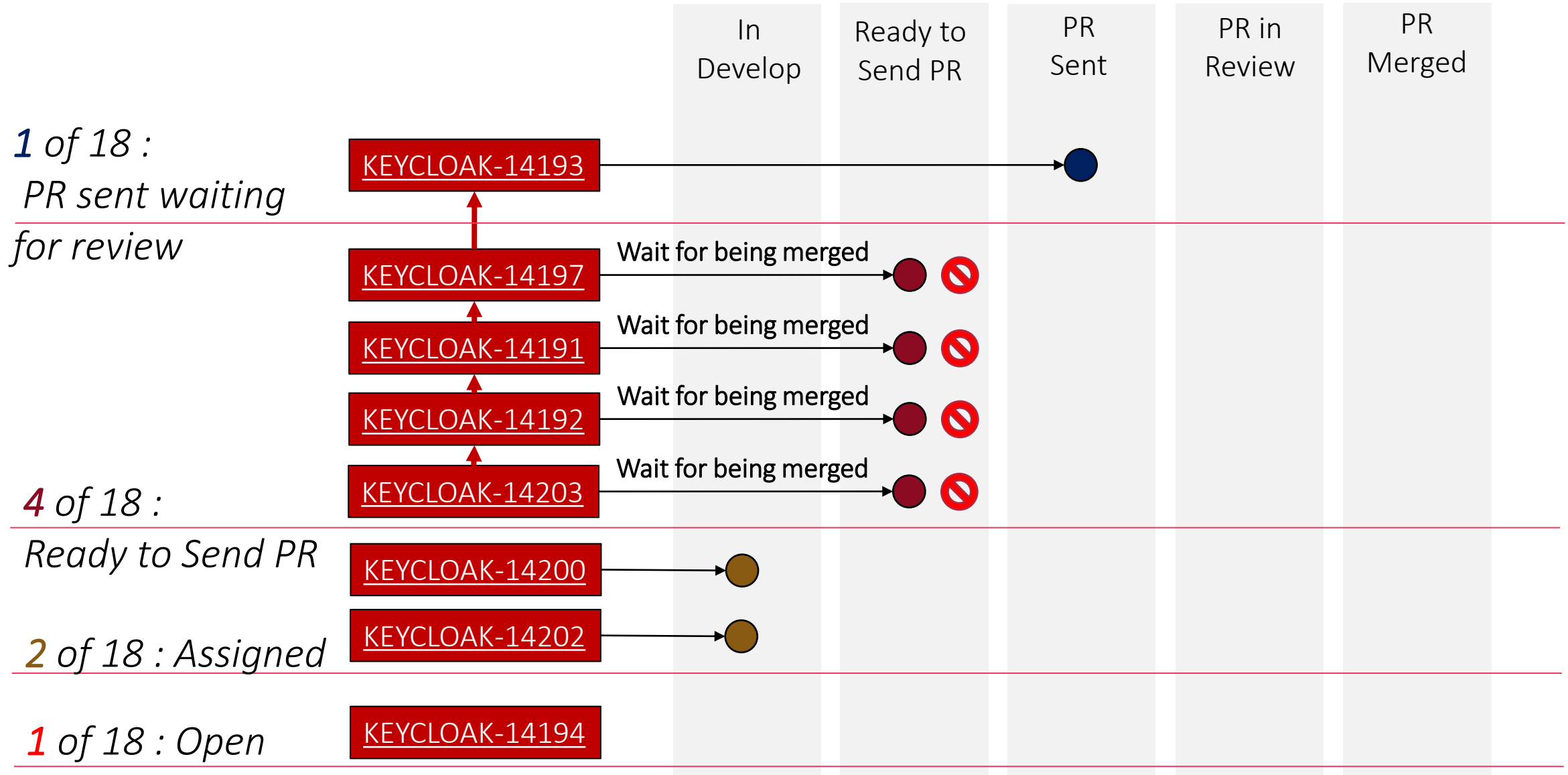
RESOLVED KEYCLOAK-14207 Client Policy - Executor : Enforce more secure client signature algorithm when client registration

PROPOSED DRAFT

Subproject : Client Policies for FAPI-RW

	In Develop	Ready to Send PR	PR Sent	PR in Review	PR Merged
KEYCLOAK-14190					●
KEYCLOAK-14195					●
KEYCLOAK-14204					●
KEYCLOAK-14205					●
KEYCLOAK-14199					●
KEYCLOAK-14201					●
KEYCLOAK-14198					●
KEYCLOAK-14206					●
KEYCLOAK-14196					●
KEYCLOAK-14207					●

10 of 18 :
Resolved

PROPOSED DRAFT

Subproject : Client Policies for FAPI-RW

	In Develop	Ready to Send PR	PR Sent	PR in Review	PR Merged

1 of 18 :
PR sent waiting for review

KEYCLOAK-14193 — ● (PR Sent)

KEYCLOAK-14197 — Wait for being merged → 🚫

KEYCLOAK-14191 — Wait for being merged → 🚫

KEYCLOAK-14192 — Wait for being merged → 🚫

KEYCLOAK-14203 — Wait for being merged → 🚫

4 of 18 :
Ready to Send PR

KEYCLOAK-14200 — ●

2 of 18 : *Assigned*

KEYCLOAK-14202 — ●

1 of 18 : *Open*

KEYCLOAK-14194

2020
Sep

Oct

Nov

Dec

2021
Jan

Feb

Mar

Apr

Actual   Plan

4
18

2
16
6
20
3
17
3
17

At the beginning of Sep 2020 : Kick off the activity

M/S #1 / 6w AVAIL
0 of 5 issues resolved / 0%

M/S #3 / 18w AVAIL
7 of 14 issues resolved / 50%

M/S #2 / 18w AVAIL
0 of 2 issues resolved / 0%

At the beginning of Dec
Send Existing Admin Console UI support PR

31 Dec, M/S #1
Client Policy Available on Existing Admin Console

31 Mar, M/S #2
Client Policy Available on New Admin Console

M/S #3
Client Policy Available for FAPI-RW
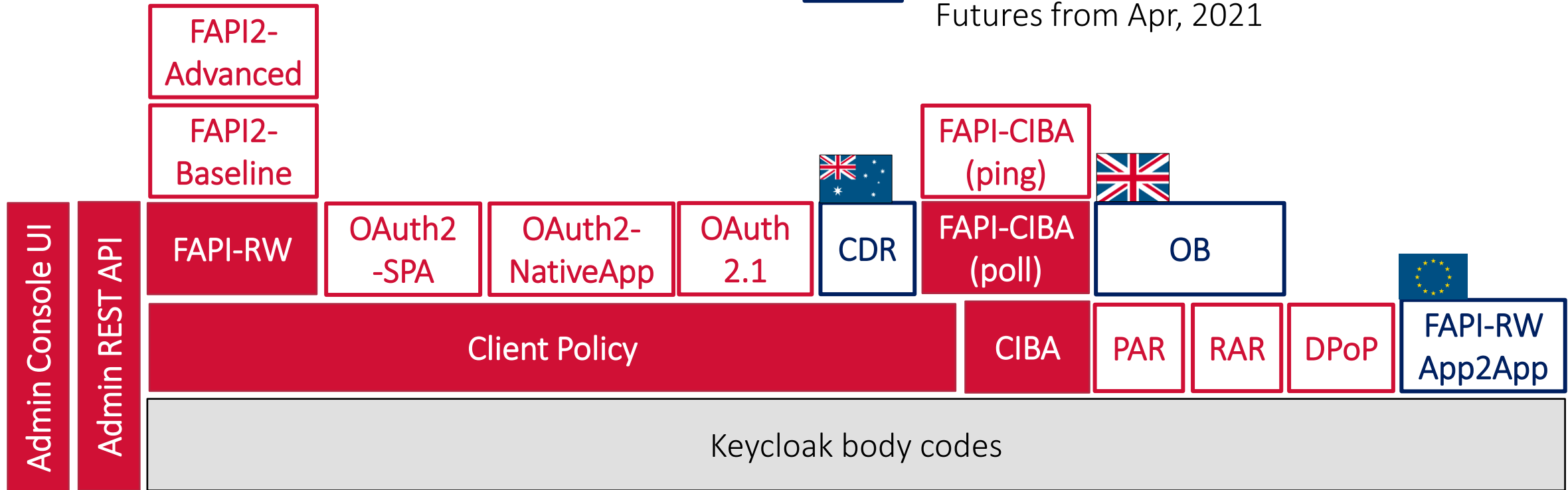
PROPOSED DRAFT

Project Progress

Project Progress

Project in the Future

PROPOSED DRAFT
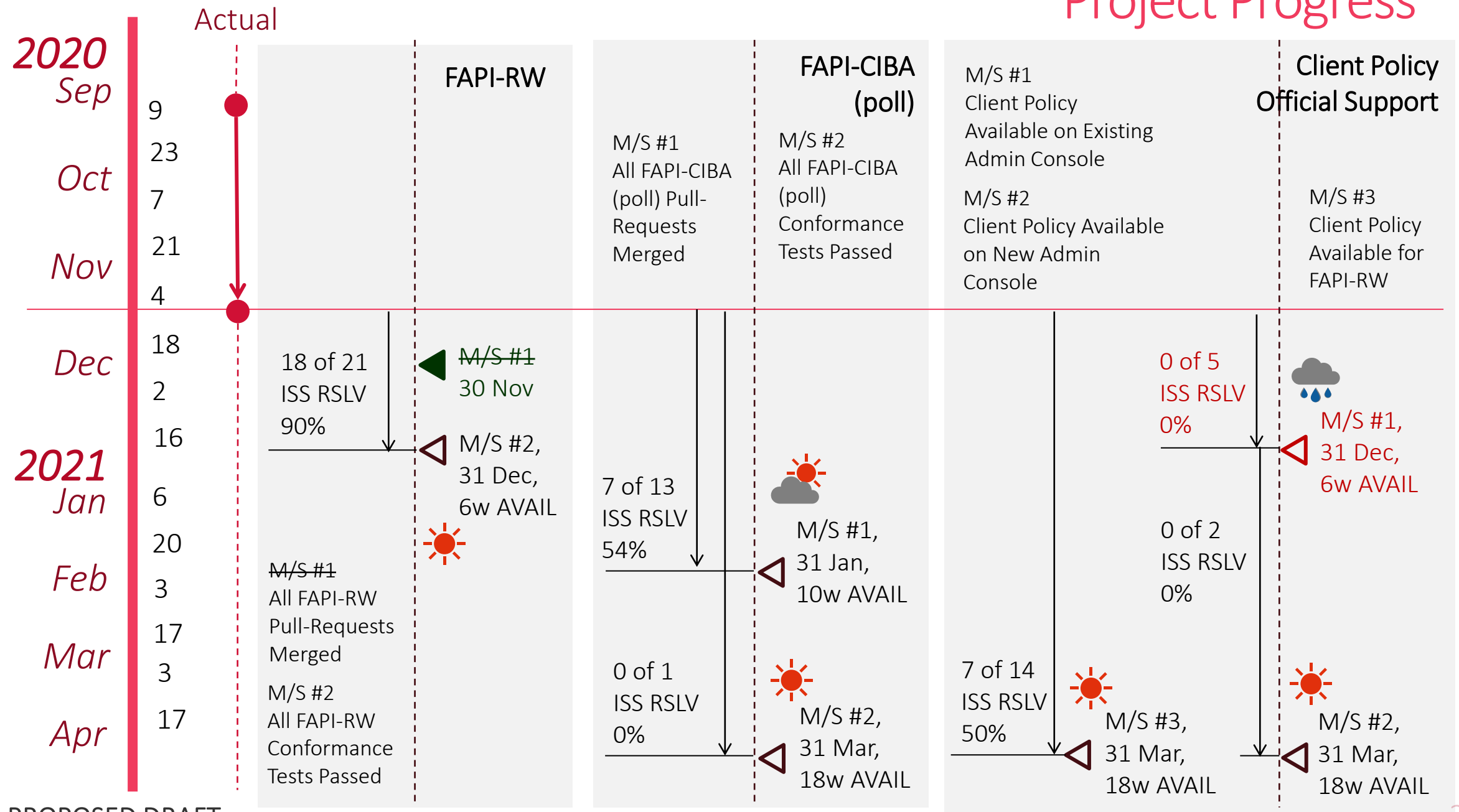
Proposal for Projects in the Future

■ : Realized Futures by the end of Mar, 2021

□ : Proposed Futures from Apr, 2021

□ : Proposed Ecosystem/Region Specific Futures from Apr, 2021

FAPI2-Advanced

FAPI2-Baseline

FAPI-CIBA (ping)

FAPI-RW | OAuth2-SPA | OAuth2-NativeApp | OAuth 2.1 | CDR | FAPI-CIBA (poll) | OB | FAPI-RW App2App

Admin Console UI | Admin REST API | Client Policy | CIBA | PAR | RAR | DPoP

Keycloak body codes

- Financial-grade API (FAPI)
  - <u>FAPI 2.0 Baseline</u>
  - FAPI 2.0 Advanced (no working draft)
    - ➢ <u>Pushed Authorization Requests (PAR)</u>
    - ➢ <u>Rich Authorization Request (RAR)</u>
- Client Initiated Backchannel Authentication (CIBA)
  - FAPI-CIBA (ping mode)
- <u>OAuth 2.0 for Native Apps</u>
- <u>OAuth 2.0 for Browser-Based Apps</u>
  - Demonstration of Proof-of-Possession at the Application Layer (DPoP)
- <u>OAuth 2.1</u>

Ecosystem/Region Specific Features

- UK Open Banking (In service) 🇬🇧

  Its security profile is on FAPI 1.0

- Australia Consumer Data Right (launched on July 2020) 🇦🇺

  Its security profile is based on FAPI 1.0

- FAPI-RW App2App 🇪🇺

END