@Web Conference

18 Nov 2020

FAPI-SIG Community 7th Meeting

PROPOSED DRAFT

Table of Contents

Status Updates from 6th Meeting

- FAPI-RW
- FAPI-CIBA (poll mode)
- Client Policy Official Support

Project Progress

Project in the Future

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

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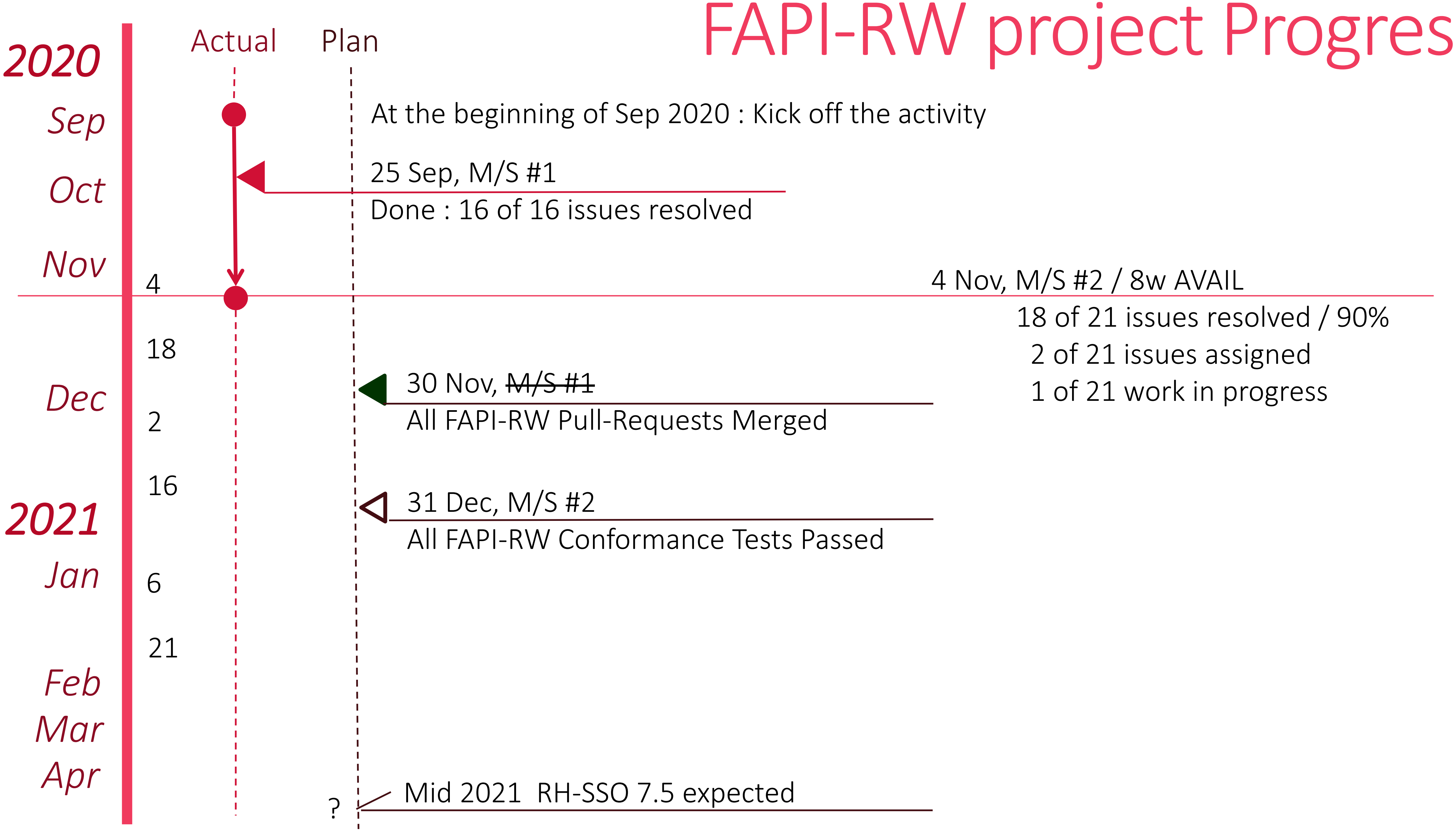
FAPI-RW project Progress



Actual

Plan

2020

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

1 of 21 work in progress

18

Dec

30 Nov, ~~M/S #1~~

All FAPI-RW Pull-Requests Merged

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

6 Resolved [46%]	+0
2 PR sent, in review	+2
5 Assigned	-2
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

  Assigned

[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

  ✓ In Review

- #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

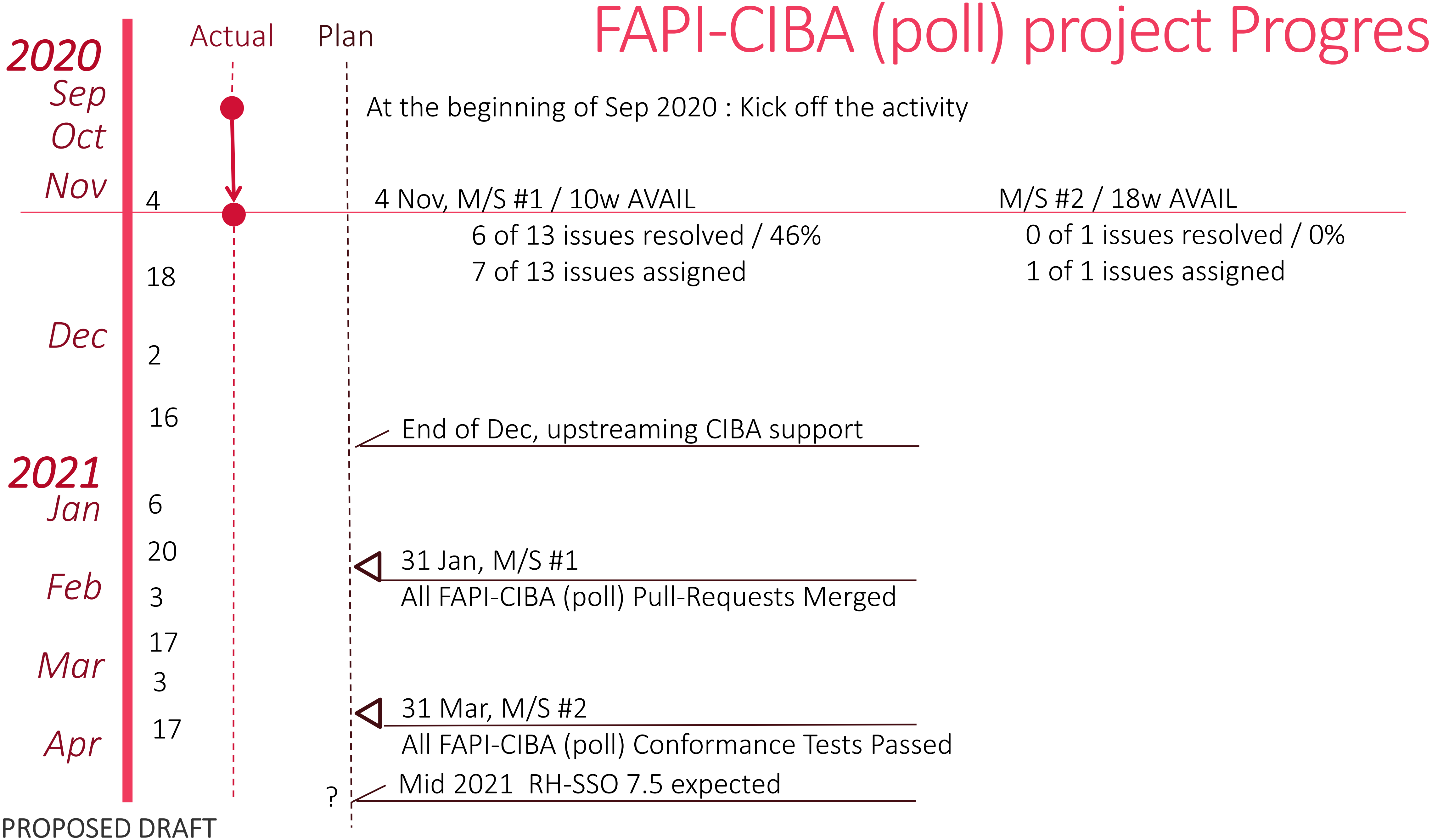
  Assigned

[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



Actual

Plan

2020

Sep

Oct

Nov

Dec

2021

Jan

Feb

Mar

Apr

4

18

2

16

6

20

3

17

3

17

At the beginning of Sep 2020 : Kick off the activity

4 Nov, M/S #1 / 10w AVAIL
6 of 13 issues resolved / 46%
7 of 13 issues assigned

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

End of Dec, upstreaming CIBA support

31 Jan, M/S #1
All FAPI-CIBA (poll) Pull-Requests Merged

31 Mar, M/S #2
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

Issues Status

4 Nov 2020

23 Issues in total

1 Resolved [0%]

10 Assigned

9 Not Assigned

17 Nov 2020

3 Resolved [13%] +2

8 Assigned -2

9 Not Assigned +0

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 Design
  - 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

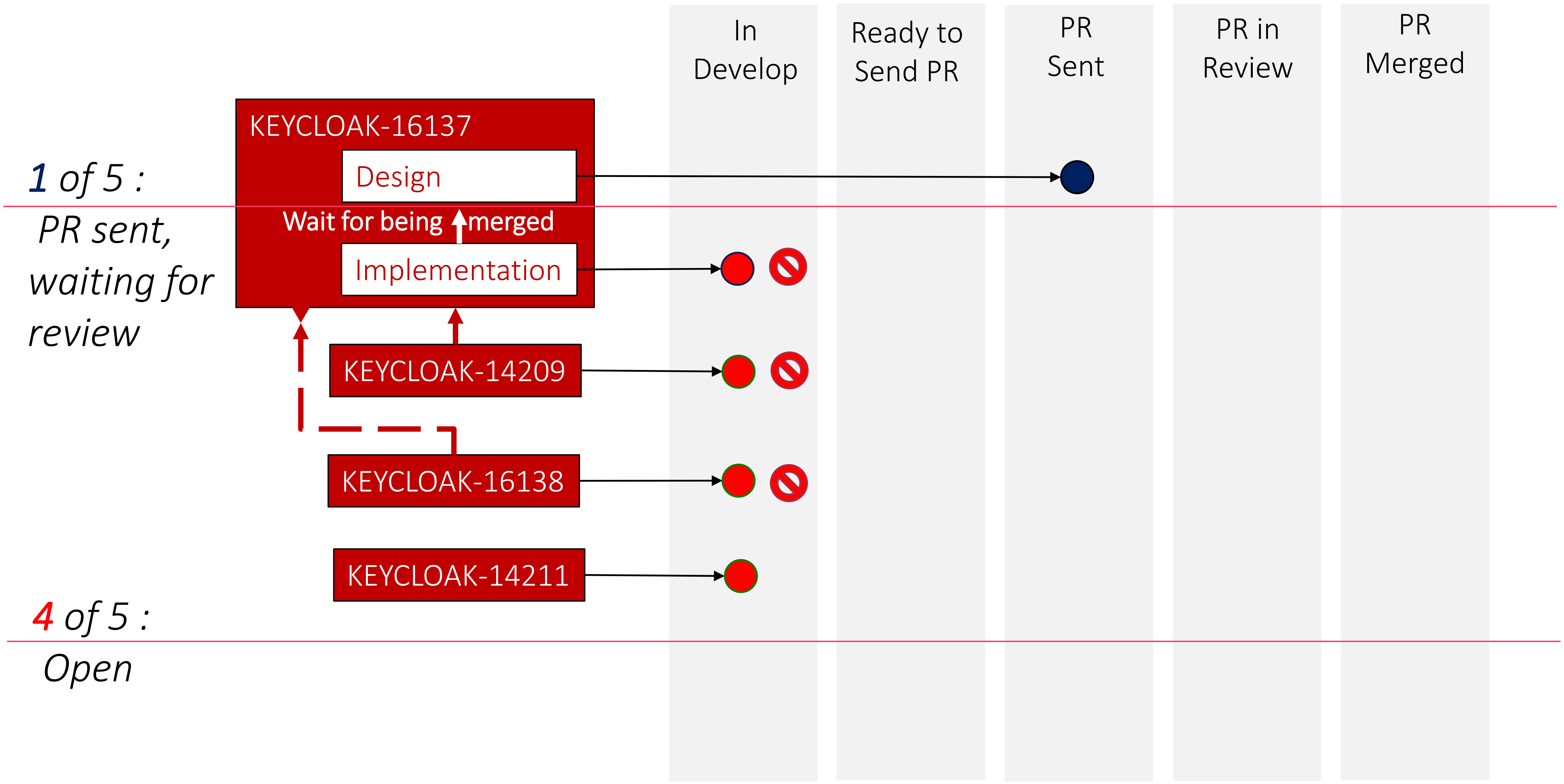
Subproject : External Interfaces

1 of 5 :

PR sent, waiting for review

4 of 5 :

Open



In Develop

Ready to Send PR

PR Sent

PR in Review

PR Merged

KEYCLOAK-16137

Design

Wait for being merged

Implementation

KEYCLOAK-14209

KEYCLOAK-16138

KEYCLOAK-14211

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		8 Assigned	-3
3 Not Assigned		3 Not Assigned	+0

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
- Ready to Send PR 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

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

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

- 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

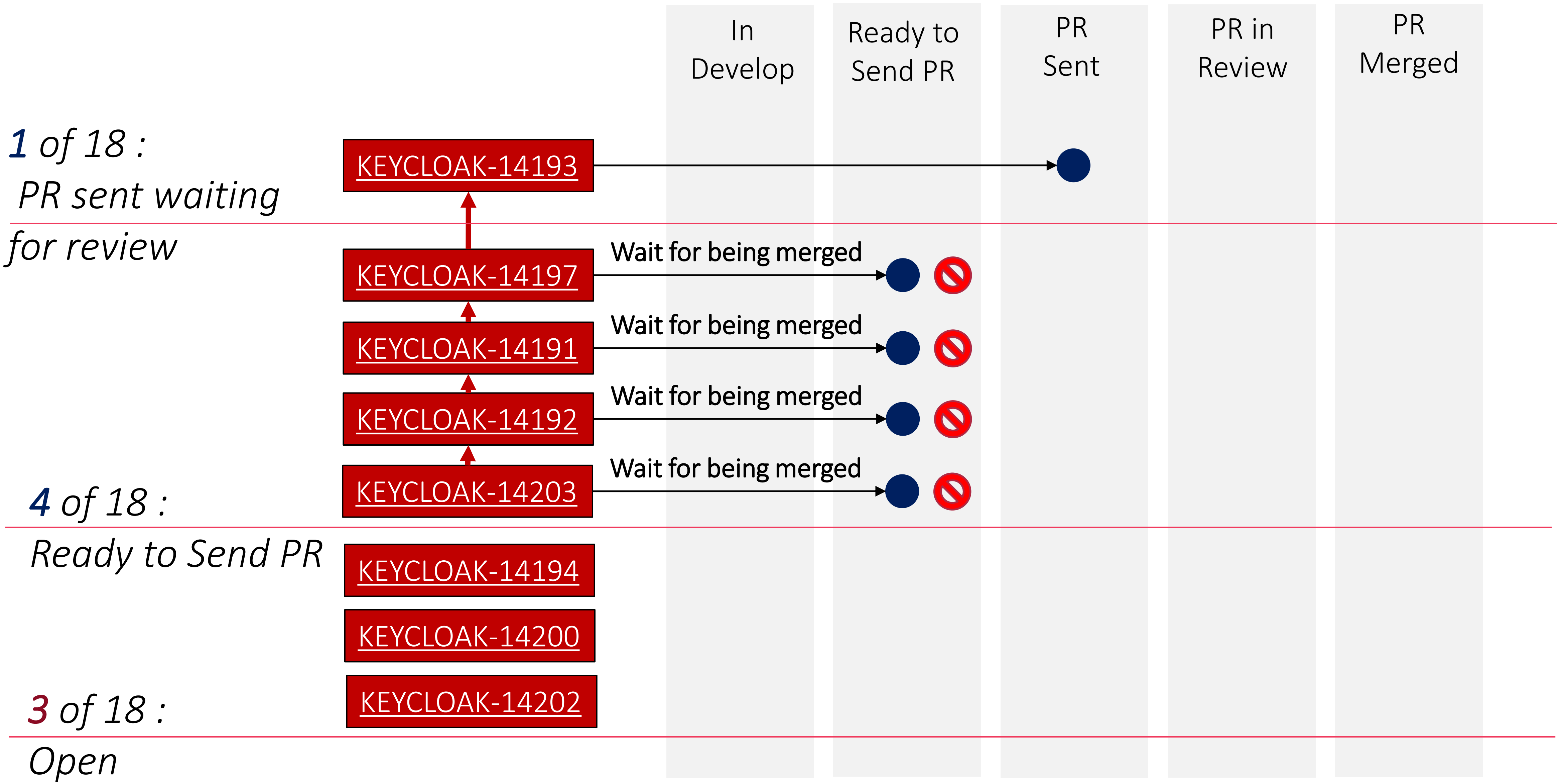
RESOLVED KEYCLOAK-14207 Client Policy - Executor : Enforce more secure client signature algorithm when client registration

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

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

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-14194

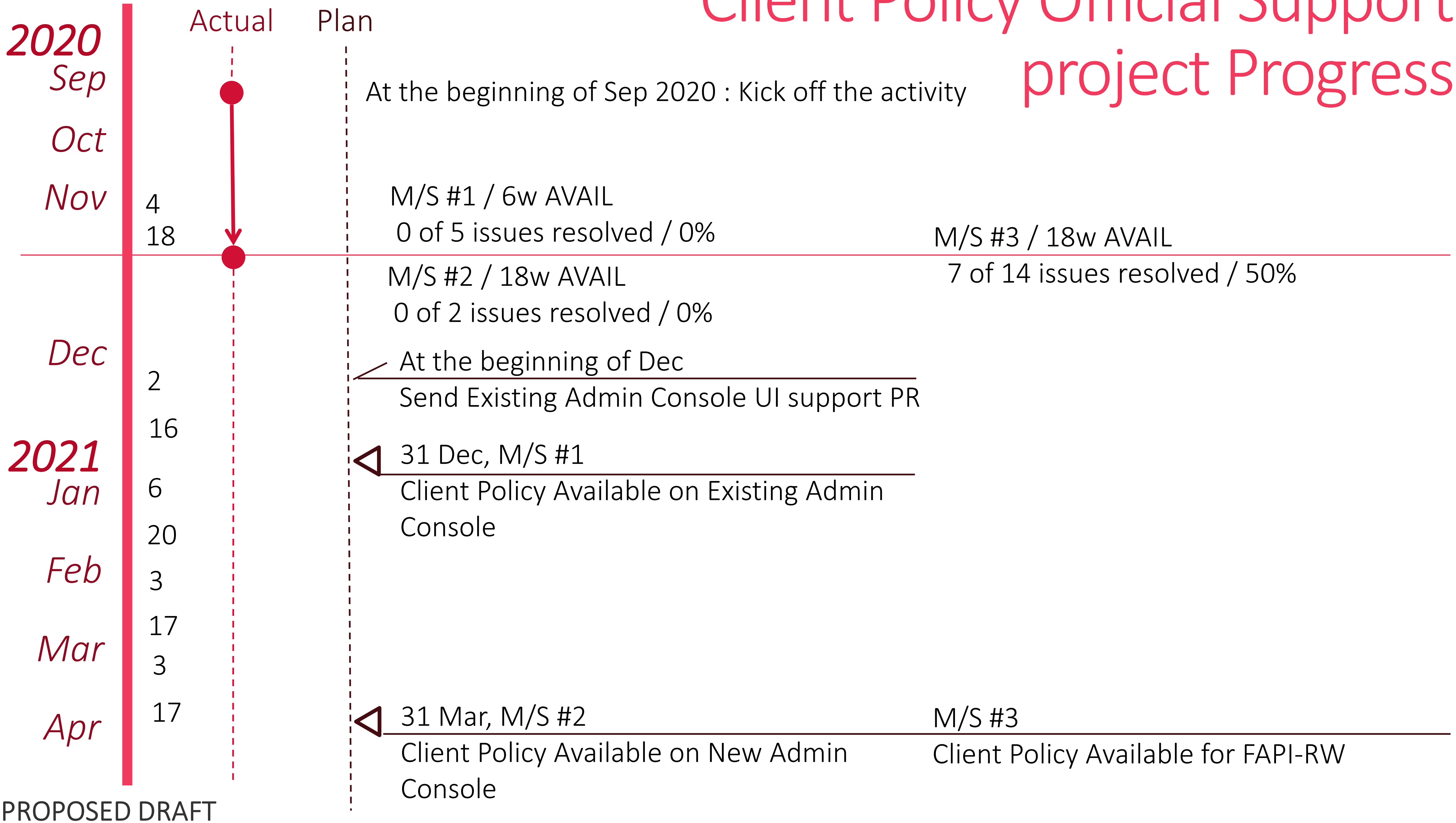
KEYCLOAK-14200

KEYCLOAK-14202

3 of 18 : Open

PROPOSED DRAFT

Client Policy Official Support project Progress



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

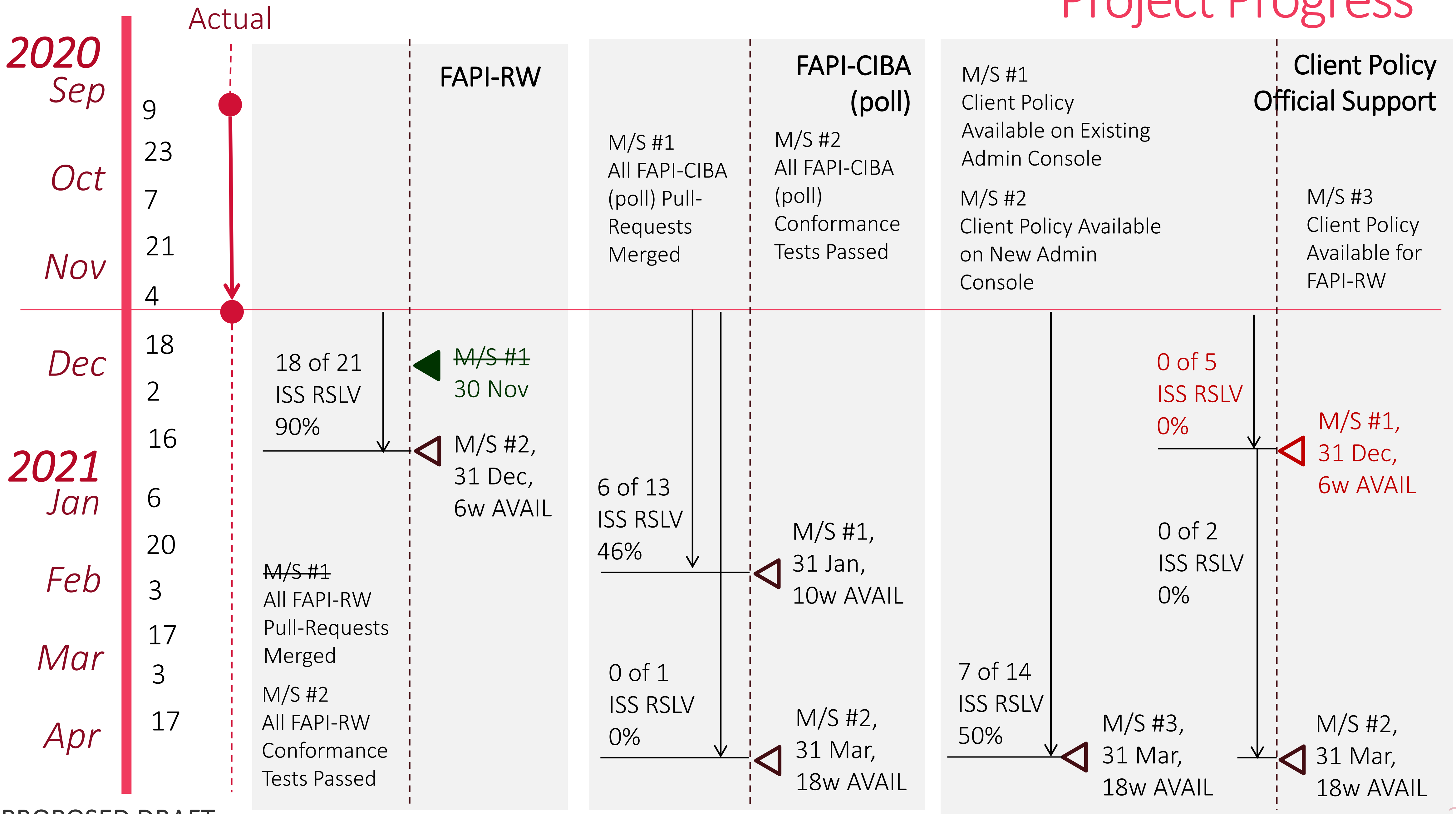
31 Mar, M/S #2
Client Policy Available on New Admin Console

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

PROPOSED DRAFT

Project Progress

Project Progress



Actual

2020 Sep 9, 23; Oct 7, 21; Nov 4, 18; Dec 2, 16; 2021 Jan 6, 20; Feb 3, 17; Mar 3, 17; Apr

FAPI-RW

~~M/S #1~~
All FAPI-RW Pull-Requests Merged

M/S #2
All FAPI-RW Conformance Tests Passed

18 of 21
ISS RSLV
90%

~~M/S #1~~
30 Nov

M/S #2,
31 Dec,
6w AVAIL

FAPI-CIBA (poll)

M/S #1
All FAPI-CIBA (poll) Pull-Requests Merged

M/S #2
All FAPI-CIBA (poll) Conformance Tests Passed

6 of 13
ISS RSLV
46%

M/S #1,
31 Jan,
10w AVAIL

0 of 1
ISS RSLV
0%

M/S #2,
31 Mar,
18w AVAIL

Client Policy Official Support

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

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

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

0 of 5
ISS RSLV
0%

M/S #1,
31 Dec,
6w AVAIL

0 of 2
ISS RSLV
0%

7 of 14
ISS RSLV
50%

M/S #3,
31 Mar,
18w AVAIL

M/S #2,
31 Mar,
18w AVAIL

PROPOSED DRAFT

Project in the Future

Security Profiles

- Financial-grade API (FAPI)
  - FAPI 2.0 Baseline
  - FAPI 2.0 Advanced (no yet working draft)
    - Pushed Authorization Requests (PAR)
    - Rich Authorization Request (RAR)
- Client Initiated Backchannel Authentication (CIBA)
  - FAPI-CIBA (ping mode)
- OAuth 2.0 for Native Apps
- OAuth 2.0 for Browser-Based Apps
  - Demonstration of Proof-of-Possession at the Application Layer (DPoP)
- OAuth 2.1
- FAPI-RW App2App

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

END