ONAP
OPEN NETWORK AUTOMATION PLATFORM

ONAP Release Planning

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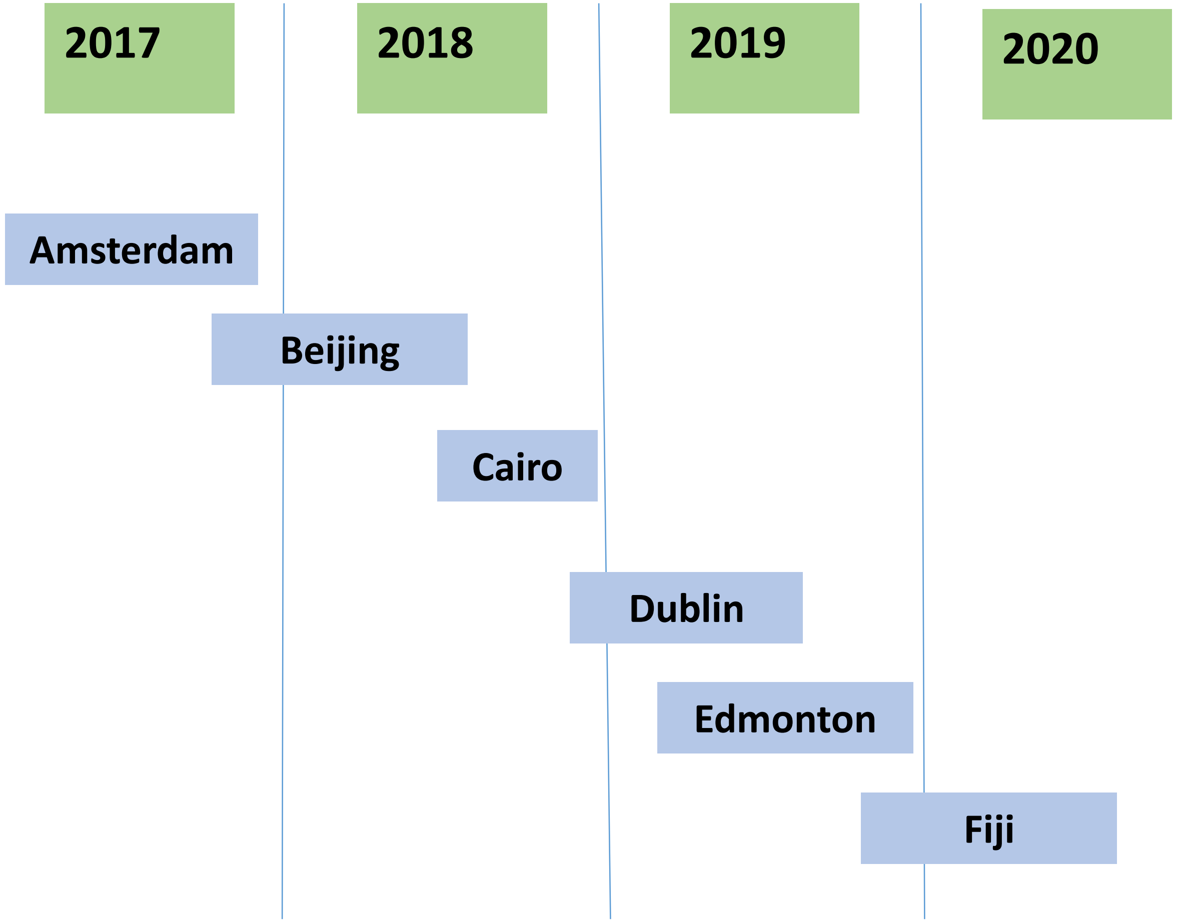
What is this deck about?

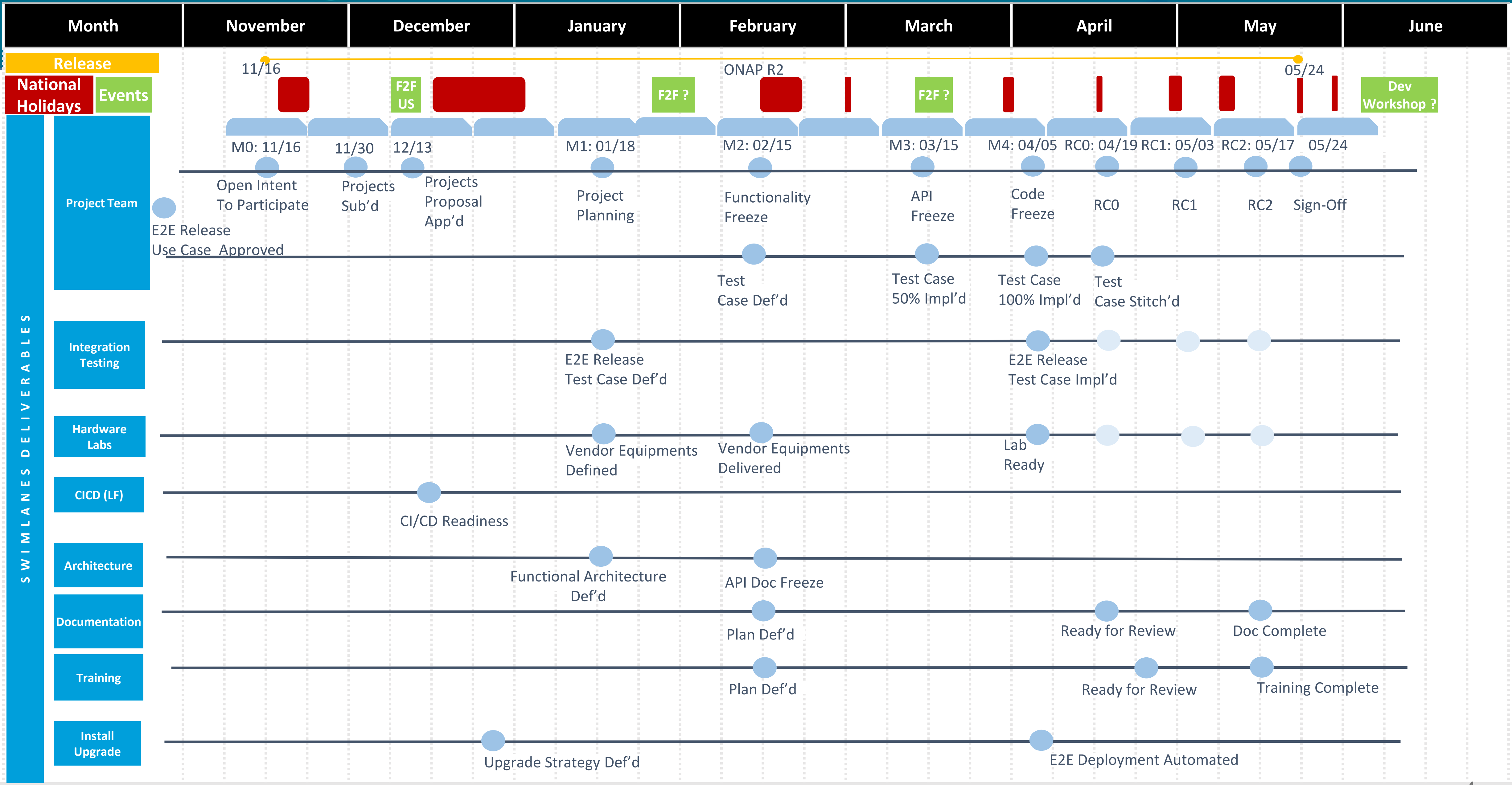
1. Release Strategy
2. Beijing Major Release Calendar Proposal
3. Making Amsterdam reality
   1. Branching, Merging. When do we cut the branch?
   2. Nexus Repos
   3. Example of Versioning

Release Strategy

- For Amsterdam - 2 Drivers
  1. 6 Months Release -> 2 Release per year
  2. Simultaneous Release



ONAP Beijing Release Calendar Proposal



Month | November | December | January | February | March | April | May | June

Release: 11/16 – ONAP R2 – 05/24

National Holidays

Events: F2F US; F2F ?; F2F ?; Dev Workshop ?

SWIMLANES DELIVERABLES

Project Team

- E2E Release Use Case Approved
- M0: 11/16 – Open Intent To Participate
- 11/30 – Projects Sub'd
- 12/13 – Projects Proposal App'd
- M1: 01/18 – Project Planning
- M2: 02/15 – Functionality Freeze
- M3: 03/15 – API Freeze
- M4: 04/05 – Code Freeze
- RC0: 04/19 – RC0
- RC1: 05/03 – RC1
- RC2: 05/17 – RC2
- 05/24 – Sign-Off
- Test Case Def'd
- Test Case 50% Impl'd
- Test Case 100% Impl'd
- Test Case Stitch'd

Integration Testing

- E2E Release Test Case Def'd
- E2E Release Test Case Impl'd

Hardware Labs

- Vendor Equipments Defined
- Vendor Equipments Delivered
- Lab Ready

CICD (LF)

- CI/CD Readiness

Architecture

- Functional Architecture Def'd
- API Doc Freeze

Documentation

- Plan Def'd
- Ready for Review
- Doc Complete

Training

- Plan Def'd
- Ready for Review
- Training Complete

Install Upgrade

- Upgrade Strategy Def'd
- E2E Deployment Automated

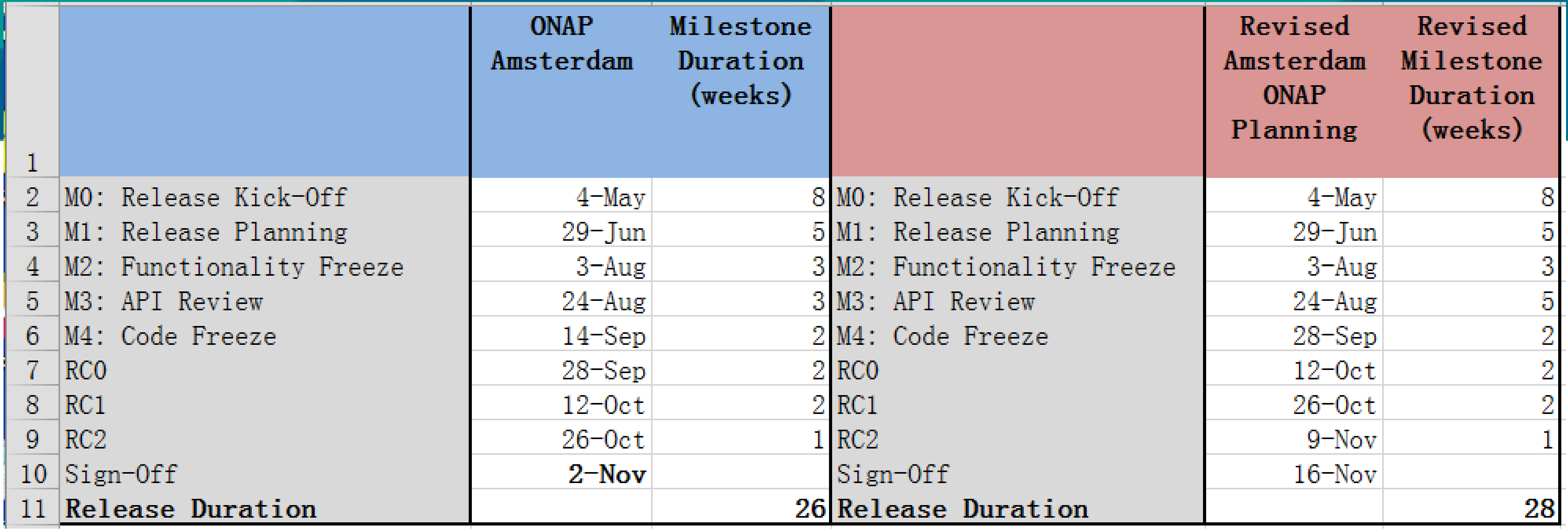
Milestones

- **Assumption**: Use case approved by TSC in October

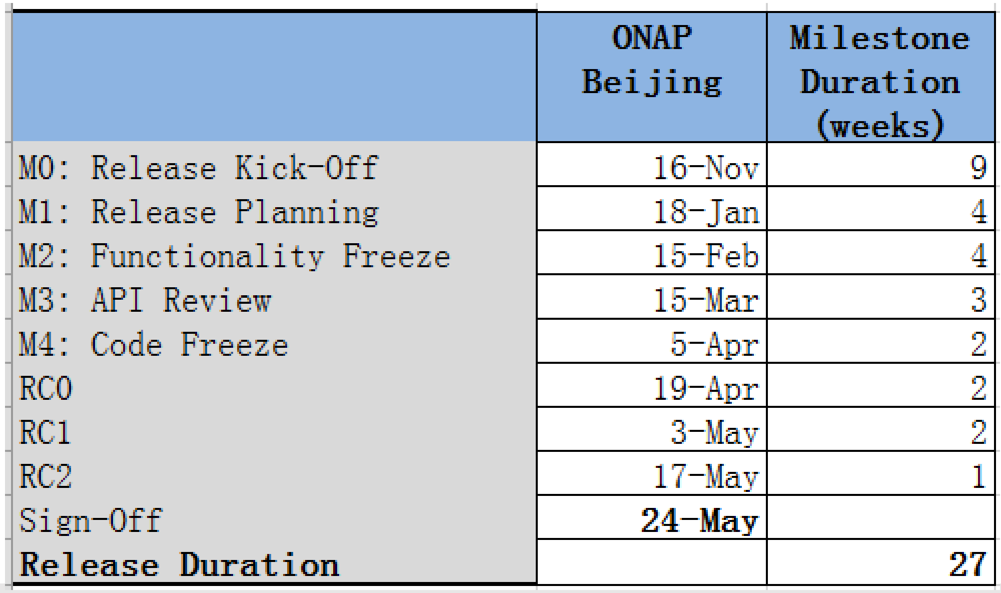
- **Intent to Participate**: Opening of Release Planning
  - Every existing Amsterdam projects that plan to be part of Beijing Release must email TSC to notify their intention
  - New Candidate project must fill out “Project proposal”

- **Project Submitted**: Last Date to announce Intention to Participate
- **Project Proposal Approved**: Last date for TSC to formally approved New Project Proposal
- **M1 Project Planning**: Planning process complete. All Project Deliverables are defined (including functional architecture, scope, dependencies,...)
- **M2 Functionality Freeze**: no new visible functionality is to be added to the current ONAP release
- **M3 API Freeze**: Mark the end of API and Data Model change
- **M4 Code Freeze**: Mark the end of the Features coding
- **RCx**: Release Candidate Cycles. Open the beginning of End to End Use Case Integration Testing
- **Sign-Off**: Mark the end of the Release. Time to celebrate

Backup

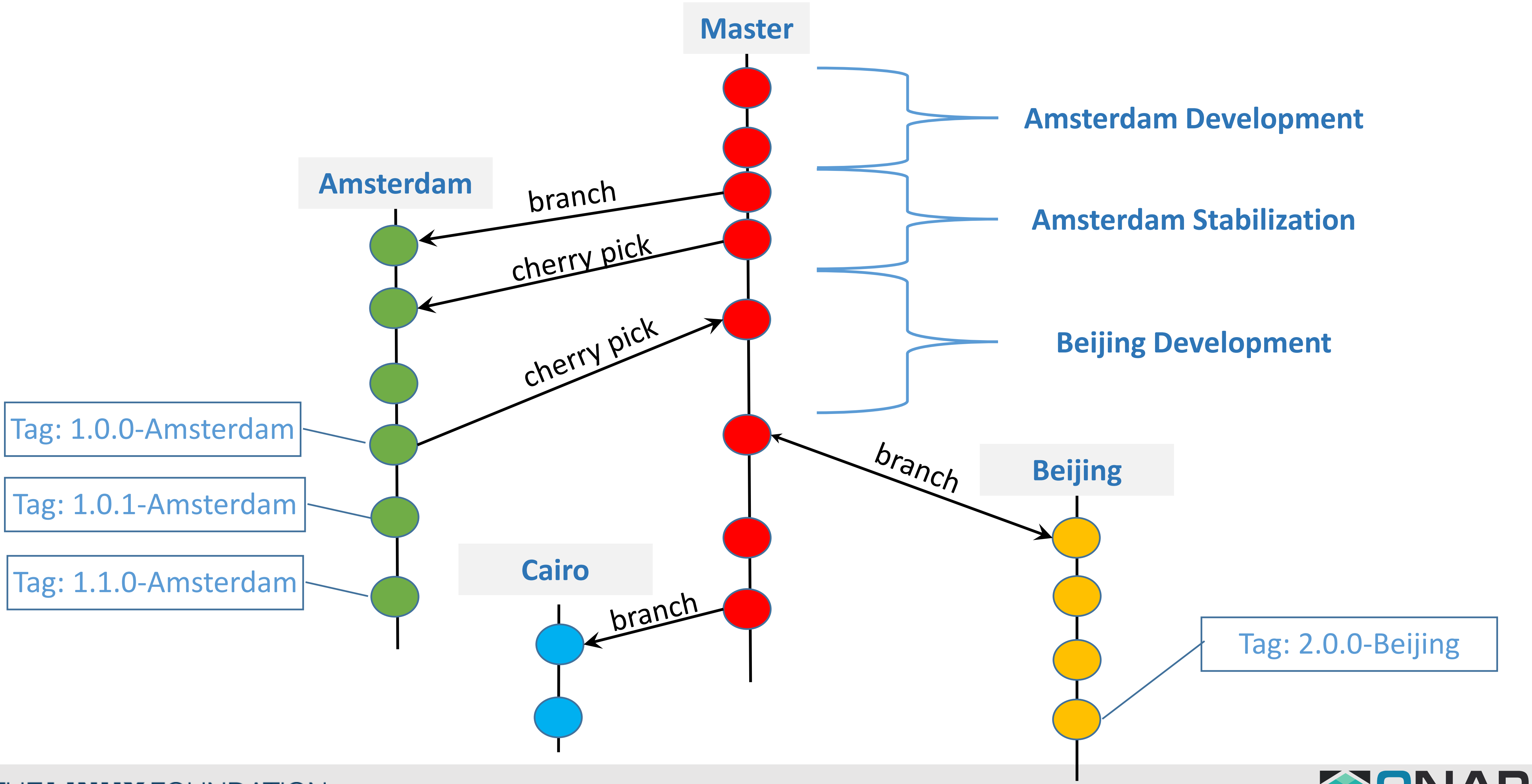


		ONAP Amsterdam	Milestone Duration (weeks)		Revised Amsterdam ONAP Planning	Revised Milestone Duration (weeks)
1						
2	M0: Release Kick-Off	4-May	8	M0: Release Kick-Off	4-May	8
3	M1: Release Planning	29-Jun	5	M1: Release Planning	29-Jun	5
4	M2: Functionality Freeze	3-Aug	3	M2: Functionality Freeze	3-Aug	3
5	M3: API Review	24-Aug	3	M3: API Review	24-Aug	5
6	M4: Code Freeze	14-Sep	2	M4: Code Freeze	28-Sep	2
7	RC0	28-Sep	2	RC0	12-Oct	2
8	RC1	12-Oct	2	RC1	26-Oct	2
9	RC2	26-Oct	1	RC2	9-Nov	1
10	Sign-Off	**2-Nov**		Sign-Off	16-Nov	
11	**Release Duration**		**26**	**Release Duration**		**28**



	ONAP Beijing	Milestone Duration (weeks)
M0: Release Kick-Off	16-Nov	9
M1: Release Planning	18-Jan	4
M2: Functionality Freeze	15-Feb	4
M3: API Review	15-Mar	3
M4: Code Freeze	5-Apr	2
RC0	19-Apr	2
RC1	3-May	2
RC2	17-May	1
Sign-Off	**24-May**	
Release Duration		**27**

Branching, Merging, Versioning



Nexus Repos: 3 level of Repos

- **Snapshot repo**: used for merged artifacts. After the committer has performed the code review (+2), has merged the code and the build is successful, the build artifact is within the Snapshot repo. It is expected to have multiple snapshots for a single repo per day. All artifacts have same version number. The artifact triggers CSIT testing.
- **Staging repo**: used for **Release candidate**. The Staging artifacts are used primarily by the Team for their own testing and for E2E Release testing. The Staging artifacts are not meant for public consumption. Once a day, a new clean build is automatically performed. All Staging artifacts have same version number.
- **Release repo**: this is the place where the project Team (or Linux Foundation Releng Team) stores the artifacts that are **deemed stabled** for being consumed by the other project teams. Each **Team decides** when to release. It is not expected to get a new release every day. **No TSC approval** is required for getting a new release artifact.

Versioning of Repos

- **Each project Team decides** on when version numbers of repos under it's control are incremented and artifacts are place in a **Nexus Release** repo. In particular the version numbers do not have to be in sync across projects and do not have to be aligned with the release version number.
- ONAP has 2 types of artifacts:
  - **Artifact Release**: this refers to all the jar and Docker files that are under the control of a project. No TSC approval is necessary for the team to move artifacts within Nexus Release
  - **Named Release**: this refers to the Marketing name that is used externally to evangelize ONAP. The "Named Release" is a collection of properly versioned "Artifact Release". The **"Named Release" required TSC approval** and is published within Docker Hub.

Release Versioning

Named Release: 1.0.0-Amsterdam

(Major Release)

AAI Docker Image: 1.0.0

- AAI cpt 1: 2.0.3
- AAI cpt 2: 1.4.2
- AAI cpt 3: 0.0.9
- Other stuff: 1.2.6

AAF Docker Image: 2.0.0

- AAF cpt 1: 2.0.3
- AAF cpt 2: 2.4.2
- AAF cpt3: 1.0.9
- Other stuff: 1.2.7

Named Release: 2.0.0-Beijing

(Major Release)

AAI Docker Image: 2.0.0

- AAI cpt 1: 2.5.3
- AAI cpt 2: 2.4.2
- AAI cpt 3: 1.0.9
- Other stuff: 1.2.8

AAF Docker Image: 3.0.0

- AAF cpt 1: 2.9.3
- AAF cpt 2: 3.5.2
- AAF cpt 3: 1.0.9
- Other stuff: 2.2.6

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谢谢