Gerrit Submit Policy Enhancement for Review Process Quality Improvement

- Current policy:
  - V + 1, CR + 2
  - Verify job passes, some one gives a +2

- Problem:
  - Self merging

- Proposed new policy:
  - V + 1, CR + 2, NACR + 2
  - At least one +2 must come from non-author

- Requesting a ToC decision for moving this forward on requesting LF

Limiting Gerrit Submission Size

- Gerrit system allows setting submission size limit and blocking large submission
  - Large submissions are difficult to review
  - One published study shows that peer-review working best for < 500 LoC
  - Encourage open development
- Something to consider to adopt for projects that have passed seed-code phase and entered development cycle

ETE/IST and Release Planning

## O-RAN Software Community "B" Release Revised - Sprint Calendar 2020

Mile Stones	M0:05/20				M1:06/17			M2:07/08				M3:08/12									M4:09/30				RC0:10/21		RC1: 11/04	Release C:11/13
	Week 2	Week 2	Week 2	Week 2	Week 2	Week 2	Week 2	Week 2	Week 2	Week 3	Week 3	Week 3	Week 3	Week 3	Week 3	Week 3	Week 3	Week 3	Week 3	Week 3	Week 4	Week 4	Week 4	Week 4	Week 4	Week 4	Week 4	Week 4
Mon	2-Dec	9-Dec	16-Dec	6-Jan	13-Jan	20-Jan	27-Jan	3-Feb	10-Feb	17-Feb	24-Feb	3-Mar	10-Mar	17-Mar	24-Mar	31-Mar	7-Apr	14-Apr	21-Apr	28-Apr	5-May	12-May	19-May	26-May	2-Jun	9-Jun		
Fri	7-Dec	14-Dec	21-Dec	11-Jan	18-Jan	25-Jan	1-Feb	8-Feb	15-Feb	22-Feb	1-Mar	8-Mar	15-Mar	22-Mar	29-Mar	5-Apr	12-Apr	19-Apr	26-Apr	3-May	10-May	17-May	24-May	31-May	7-Jun	14-Jun		

Milestone labels (diagonal):
- Kick off Review M0
- Planning Review M1
- Functionality Freeze M2
- API Freeze M3
- Code Freeze M4
- Integration Review RC0
- Sign Off Review RC1
- Release 11/13

Task Description

- Sprint Planning and Design
  - Epics Identified
  - User Stories/Tasks Identified & Review
  - Map Epic and
  - Sub Task Identified
  - Sprint Grooming
- Dev Sprint 1
- Dev Sprint 2 - Sprint 1 Demo
- Dev Sprint 3 - Sprint 2 demo
- Dev Sprint 4 - Sprint 3 Demo
- ETE -1, 2, 3 - Sprint 4 Demo
- ETE -4

- Test Planning & Preparation of Test Cases
- IST Sprint-1
- IST Sprint-2
- IST Sprint-3
- IST Sprint-4
- Release Preparation
- "B" Release

- Maintanance Release
- Preliminary Documentation
- Finalize Documentation

O-RAN Alliance

- WG Input
- WG Review
- WG Review
- O-RAN Demo
- Documentation Review
- O-RAN Hand Off

E2E Testing Entry Expectations

- All Bronze feature implementation done and code checked in

- Container available in Linux Foundation Nexus registry

- Code freeze on Master branch
  - Bug fixes and documentation updates only

- Request ToC exception for repos cannot meet these expectations
  - Please state
    - which RSAC E2E use case is impacted
    - ETA

Code Freeze and Branching Strategy

- Head of master branch only advances with bug fixes and documentation during the code freeze.

- Code freeze ends
  - Repo code completed testing
  - "bronze" branched
  - Artifact released

- We test LF CI built container images from release and staging registries (built from master branch)
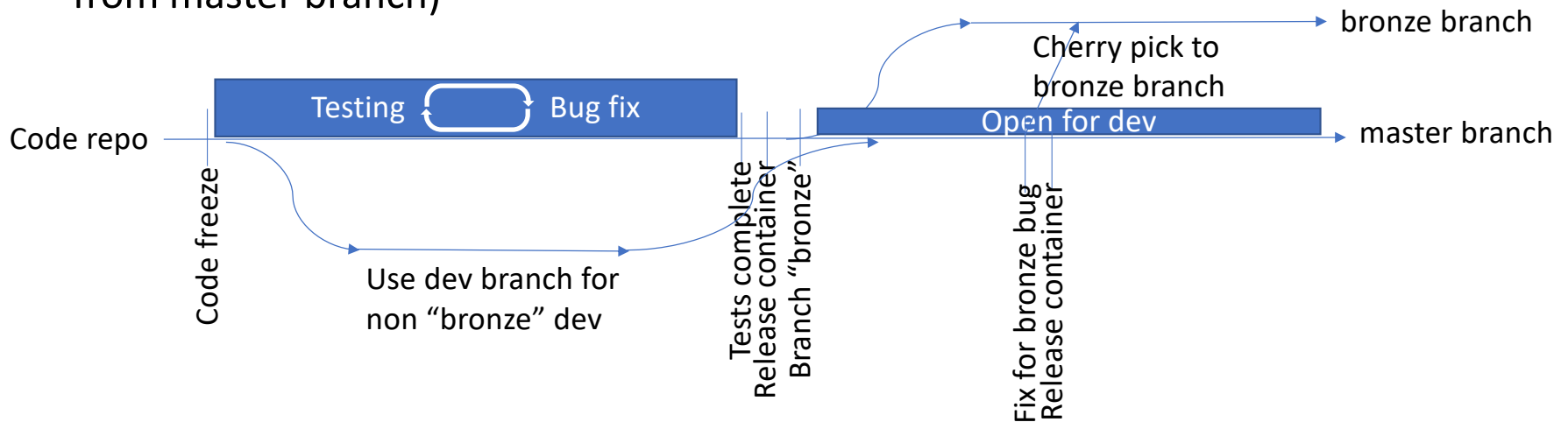
E2E Testing Exit Expectations

- Track 1: Health Check
  - RICP, RICA, NONRTRIC, OAM, SIM, and OTF
    - O-DU participation?
  - Criteria:
    - Full system deployments show pods alive, producing normal log
    - Completing RSAC health check use case call flows: https://wiki.o-ran-sc.org/display/RSAC/Health-Check+Use+Case
- Track 2: Traffic Steering
  - RICP, RICA, NONRTRIC, OAM, and SIM
    - Bronze release implements phase 1, which only involves RICP, RICA, and SIM
  - Criteria:
    - Full system deployments show pods alive, producing normal log
    - Completing RSAC traffic steering use case call flows: https://wiki.o-ran-sc.org/display/RSAC/Traffic+Steering+Use+Case
      - Need documentation on phase 1 call flow
- Track 3: O-DU Integration
  - INF, ODULOW, ODUHIGH, and SIM
  - Criteria: O-DU runs and message exchanging

Testing Plan

- Use case walk through for each track with all involved projects
  - Identifying sub-components required for testing
  - Refining deployment artifacts and scripts for all required sub-components
  - Requesting projects for preparing testing scripts
- Setting up test environment in TLab
  - Track 1 and 2:
    - Using two VMs to set up two single-node k8s clusters, one running Near RT RIC P/A, one running SMO (Non RT RIC, ONAP "Lite" and OAM)
    - Developing deployment charts and scripts under it/dep repo to deploy all needed components
  - Track 3:
    - Using two bare metal servers running INF project OS/Docker/K8s stack
    - Manually install additional system software
    - Developing deployment charts and scripts under it/dep repo to deploy all needed components
- Working sessions for testing
  - Organized by testing track
  - Detailed schedule to be available.