

# Process Sub Committee Update R3 Planning F2F

3/2/2020



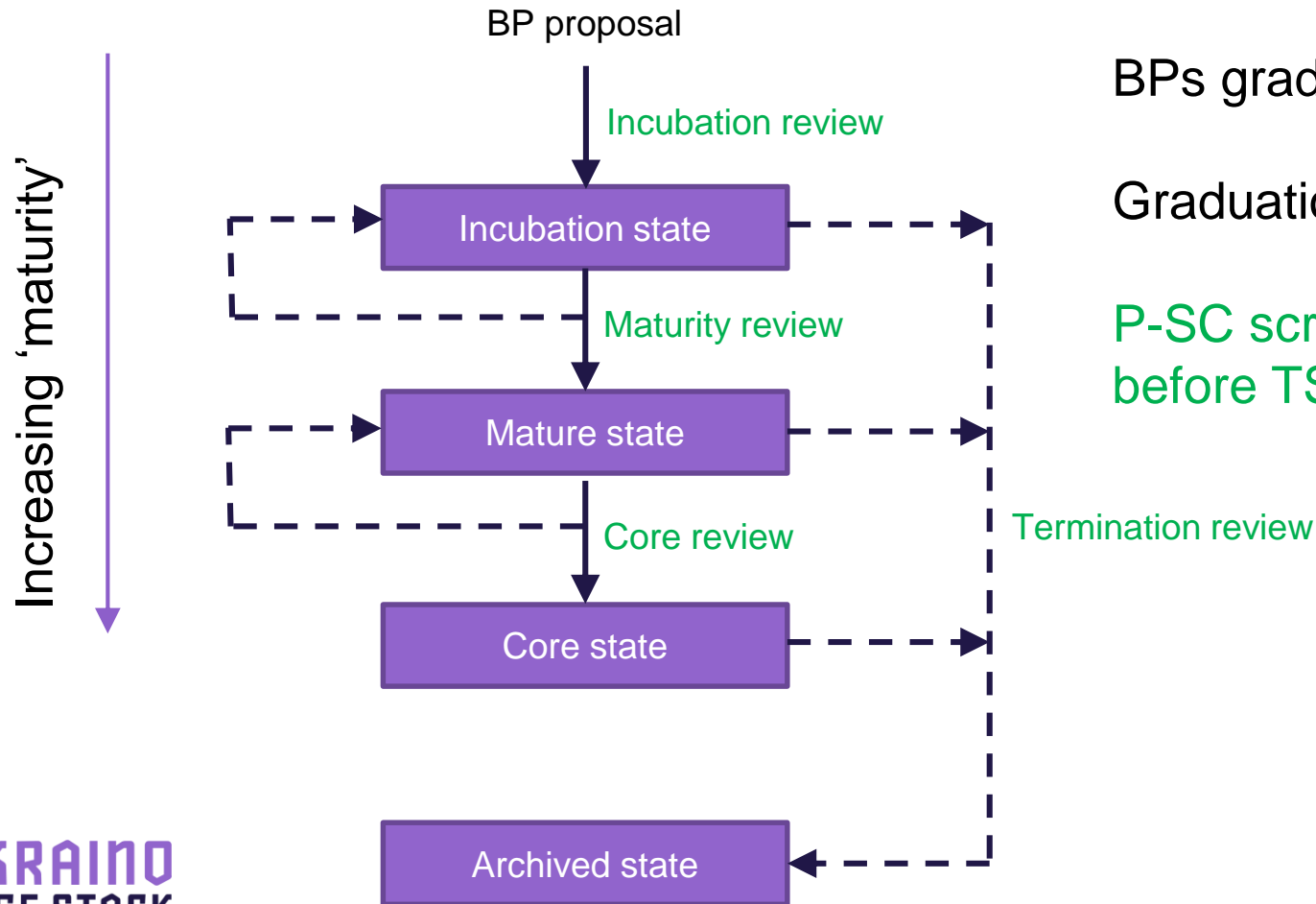
Andrew Wilkinson

# Process Sub Committee role

- Propose generic graduation requirements to TSC for BluePrint and Feature Projects
- Develop and evolve the processes by which BP/FP graduation requests and proposals are reviewed
- Propose any other process as requested by the TSC
- **Make recommendations to TSC on individual BP/FP graduations**

# Tech Comm Doc defined BP stages/states

- ❖ After a BP has been approved into the 'Incubation' stage by the TSC development / verification under the supervision of Akraino starts



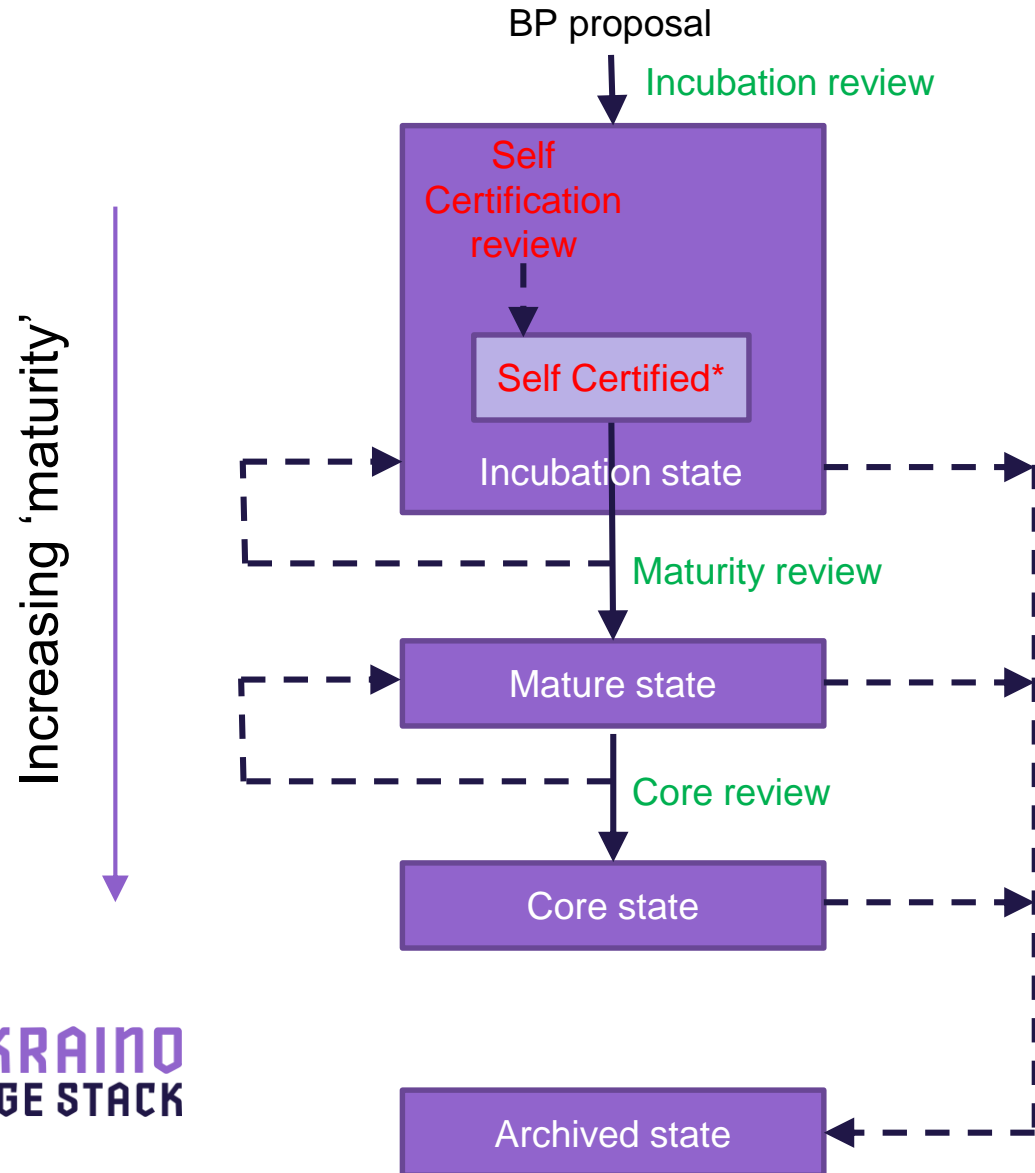
BPs graduate between stages

Graduation decisions are made by TSC vote

P-SC screens against quantified criteria before TSC votes

# Addition of Sub-state Incubation: Self Certified

- ❖ TSC introduced a sub-state for R1 release which was also adopted for R2



Within Incubation state a new sub-state of Incubation : Self Certified was introduced

In R1 and R2 TSC screened proposals before TSC vote (Self Certification reviews)

Treatment in R3 needs thought due to number and diversity of BPs

Incubation review

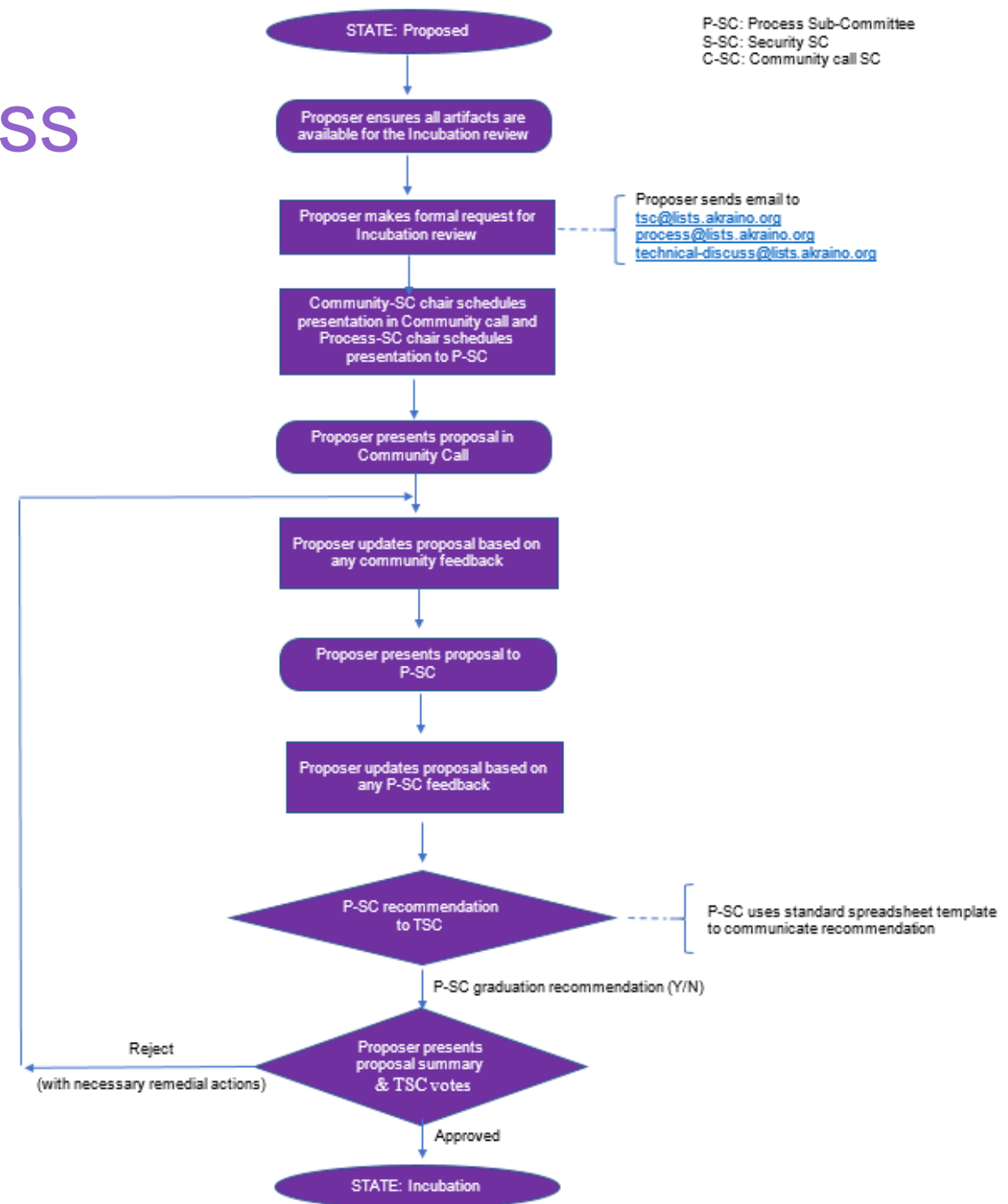
(Not the Self Certification Review)

# Incubation graduation process

<https://wiki.akraino.org/display/AK/BP+Graduation+Review+Processes+and+Criteria+Proposal>

High level:

- FP/BP proposer initiated
- Process sub-committee central point of coordination and graduation recommendation to TSC
- Proposer presents to TSC community call then to Process SC
- P-SC recommendation provided in standard format for TSC consideration for voting
- Proposer presents a summary at the TSC plenary and TSC votes



# Incubation Graduation Criteria

<https://wiki.akraino.org/display/AK/BP+Graduation+Review+Processes+and+Criteria+Proposal>

## Deliverables / Exit Criteria

### 3.3.7.1 Incubation Review:

- Name of the project is appropriate (no trademark issues etc.); Proposed repository name is all lower-case without any special characters [a checkmark]
- Project contact name, company and email are defined and documented [presumably at least one proposer]
- Description of the project goal and its purpose are defined [a checkmark – use the templates]
- Scope well defined [yes to scope, no to project plan]
- **Meets Akraino TSC Policies**
- Proposal has been socialized with potentially interested or affected projects and/or parties (**e.g. presented at Community Meeting**)
- Cross Project Dependencies (XPDs). In the case where a project will require changes in other projects **and upstream dependencies**, those projects are listed in the proposal, and a sponsoring developer in the project has been identified
- Tools have been identified and discussed with relevant partners (Linux Foundation, IT). Tools encompass Configuration Management, CI/CD, Code Review, Testing, Team Wiki, End Users documentation (not exhaustive).



# Mature/Core review

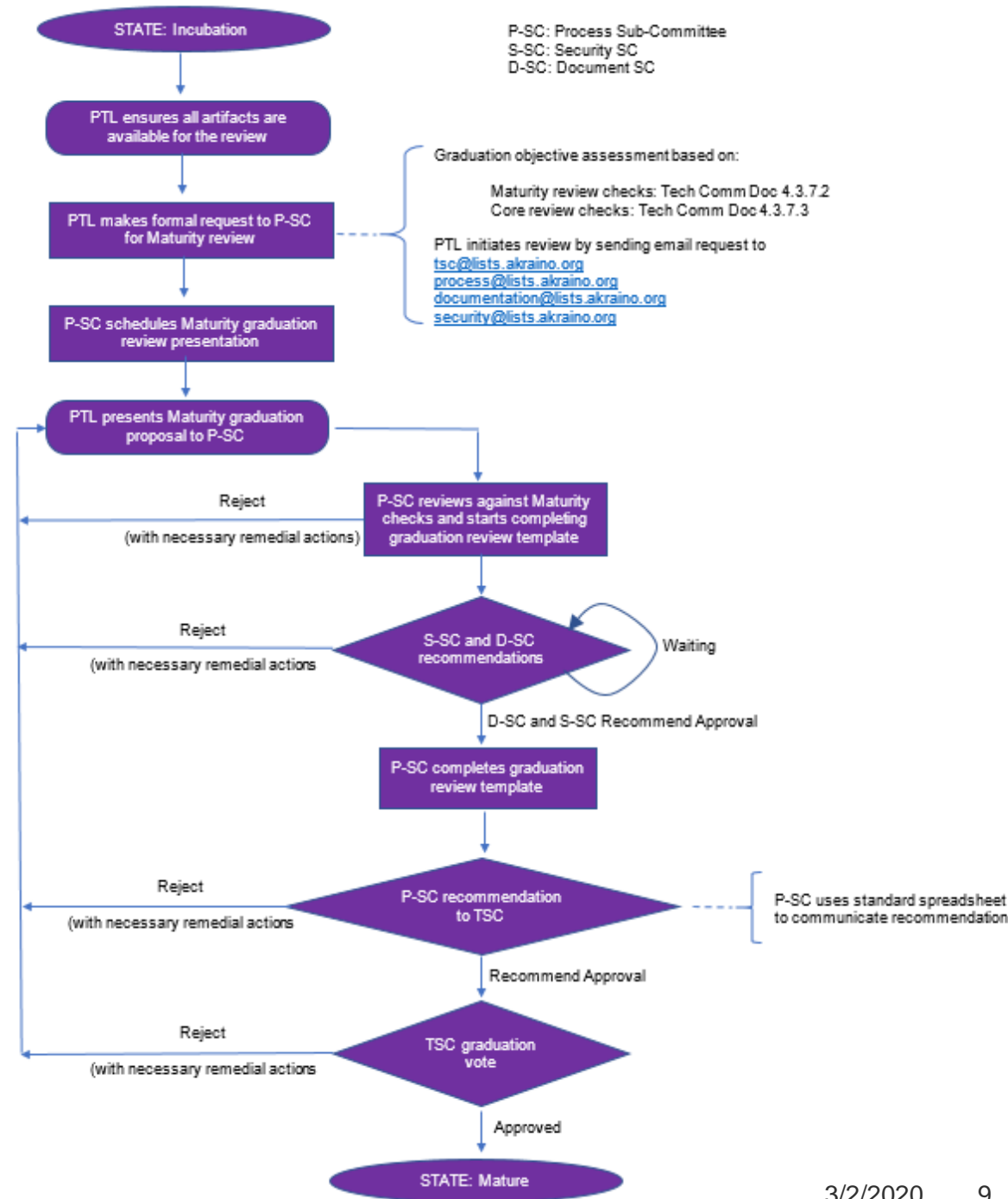


# Maturity Graduation Process

<https://wiki.akraino.org/display/AK/BP+Graduation+Review+Processes+and+Criteria+Proposal>

High level:

- PTL initiated
- Process sub-committee central point of coordination and graduation recommendation to TSC
- Approval input from Security and Documentation sub-committees
- Recommendation provided in standard format for TSC voting
- Note: TSC voting members may then choose to dig into any area more deeply and/or disregard the recommendation
- P-SC quantified most of the Mature and Core graduation criteria



# Maturity Graduation Criteria

<https://wiki.akraino.org/display/AK/BP+Graduation+Processes+and+Criteria+Proposal>



## 3.3.7.2 Maturity Review:

On a successful graduation the BP HW/SW package is deemed to be Beta-Quality and the BP moves to the Mature stage.

The collective TSC vote as defined in [Akraïno Technical Community Document#4.4.1TSCDecisionMakingProcess](#) will be based on all the following set of checks being met:

- **Validation lab check:**

The BP project contributors have deployed and validated the BP in at least 2 community member validation labs or a community member validation lab and LF CD lab with the exact HW and SW configuration for which the maturity review is being requested. All validation labs are required to connect with Akraïno LF CI. Logs on the LF CI servers pushed from each validation lab's CD testing would be used to verify this check.

- **Release inclusion check:**

Successful participation in at least two Akraïno release periods in the incubation stage

- **SW quality/functional check:**

The SW quality will be assessed as reaching beta according to :

1. Passing the mandatory set of test cases for all deployed layers using the tools and test set for each layer as defined by the Akraïno Validation Framework Validation feature project ([Akraïno Blueprint Validation Framework](#)) (after TSC approval). This will define minimum mandatory set of test that must be passed for each layer included in BP, plus
2. Passing any additional test cases defined by the specific BP project as mandatory, plus
3. Achieving the minimum Security requirements as defined by the Security subcommittee

- **HW definition check:**

Precise HW requirements and descriptions are defined and included in the BP's documentation (as used in both lab validations)

- **Upstream dependencies check:**

Upstream dependencies must be clearly defined

- **Documentation check:**

[Documentation subcommittee](#) to provide a recommendation on graduation, or if not with items requiring action/remedy.

This check includes verification that any supported APIs are clearly documented

- **Community Health and Stability check:**

PTL should provide a summary of contributors and committers and companies and demonstrate growth - Project is active and contributes to Akraïno: The project demonstrates increasing number of commits and/or number of contributions across recent releases. Contributions are commits that have been to an Akraïno repository project or related upstream project. Commit examples can be patches to update the requirements document of a project, code addition to an Akraïno or upstream project repository, new additional test cases and so forth. [maybe create a template, or use something like Bitergia to get some consistent metrics coming into this review].

The PTL should demonstrate stable output (code base, documents) within its history of releases in accordance with the release policy.

# Core Graduation Criteria

<https://wiki.akraino.org/display/AK/BP+Graduation+Criteria+Proposal>



## 3.3.7.3 Core Review:

On a successful graduation the BP HW/SW package is deemed to be GA-Quality and the BP moves to the Core stage.

The collective TSC vote as defined in [Akraino Technical Community Document#4.4.1TSCDecisionMakingProcess](#) will be based on all the following set of checks being met:

- **Deployment check:**

The BP project been deployed in at least 2 production networks/locations with the exact HW and SW configuration for which the core review is being requested.

- **Release inclusion check:**

Successful participation in at least two Akraino release periods in the mature stage

- **SW quality/functional check:**

The SW quality will be assessed as reaching GA quality according to :

1. Passing the mandatory set of test cases for all deployed layers using the tools and test set for each layer as defined by the Akraino Validation Framework Validation feature project ([Akraino Blueprint Validation Framework](#)) (after TSC approval). This will define minimum mandatory set of test that must be passed for each layer included in BP, plus
2. Passing any additional test cases defined by the specific BP project as mandatory, plus
3. Achieving the minimum Security requirements as defined by the Security subcommittee

- **HW definition check:**

Precise HW requirements and descriptions are defined and included in the BP's documentation (as used in both the lab validations and the production deployments)

- **Upstream dependencies check:**

Upstream dependencies must be clearly defined

- **Documentation check:**

[Documentation subcommittee](#) to provide a recommendation on graduation, or if not with items requiring action/remedy.

This check includes verification that any supported APIs are clearly documented.

**[It is expected the documentation requirements for a core review be more stringent/extensive than an mature review]**

- **Community Health and Stability check:**

PTL should provide a summary of contributors and committers and companies and demonstrate growth - Project is active and contributes to Akraino: The project demonstrates increasing number of commits and/or number of contributions across recent releases. Contributions are commits that have been to an Akraino repository project or related upstream project. Commit examples can be patches to update the requirements document of a project, code addition to an Akraino or upstream project repository, new additional test cases and so forth. [maybe create a template, or use something like Bitergia to get some consistent metrics coming into this review].

The PTL should demonstrates stable output (code base, documents) within its history of releases in accordance with the release policy.