Meeting of the **T**echnical **S**teering **C**ommittee of the Akraino Edge Stack Project

April 18th, 2019

TSC Voting Member Roll Call

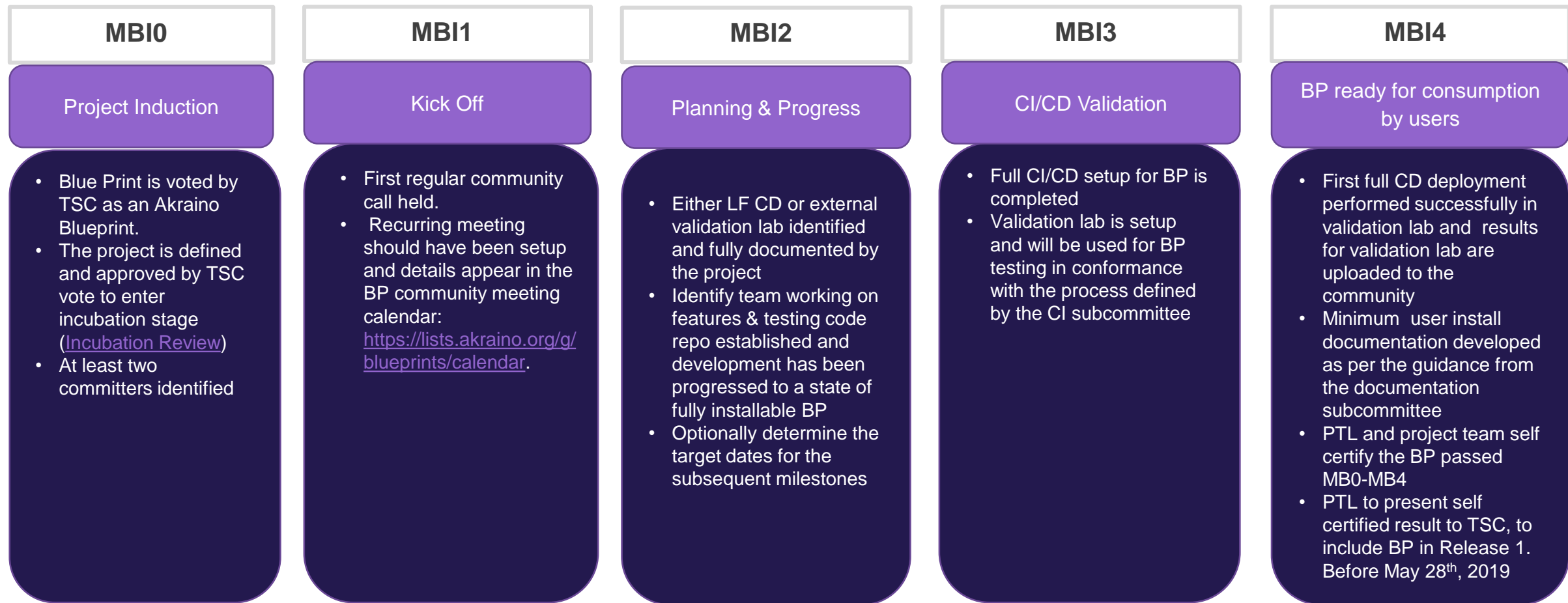| Member Company	Voting Member Name	Contact info
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Agenda

› Connected Vehicle PTL Election

› Release 1 Milestones Voting

› TSC Voting Decisions

  › Vote #1: Production Deployable TCD Clarification

  › Vote #2: Graduation

  › Vote #3: Layer Based Graduation Testing

› Incubation Review Graduation Recommendations

› LF Tool Overview

› Sub-Committee Update

Connected Vehicle Blueprint PTL

› On April 17th, Robert Qiu officially elected to be the project technical lead.

› https://wiki.akraino.org/display/AK/Team+Members

Release 1 Milestones Voting ([wiki link](#))

- Simplified Milestone names reflecting the Intent
- Reduced the number of Milestones

MBI0

Project Induction

- Blue Print is voted by TSC as an Akraino Blueprint.
- The project is defined and approved by TSC vote to enter incubation stage ([Incubation Review](#))
- At least two committers identified

MBI1

Kick Off

- First regular community call held.
- Recurring meeting should have been setup and details appear in the BP community meeting calendar: https://lists.akraino.org/g/blueprints/calendar.

MBI2

Planning & Progress

- Either LF CD or external validation lab identified and fully documented by the project
- Identify team working on features & testing code repo established and development has been progressed to a state of fully installable BP
- Optionally determine the target dates for the subsequent milestones

MBI3

CI/CD Validation

- Full CI/CD setup for BP is completed
- Validation lab is setup and will be used for BP testing in conformance with the process defined by the CI subcommittee

MBI4

BP ready for consumption by users

- First full CD deployment performed successfully in validation lab and results for validation lab are uploaded to the community
- Minimum user install documentation developed as per the guidance from the documentation subcommittee
- PTL and project team self certify the BP passed MB0-MB4
- PTL to present self certified result to TSC, to include BP in Release 1. Before May 28th, 2019

TSC Voting Decisions

- (1) Clarification of "production grade" in Akraino mission statement

- Adopt (2) the Mature and Core graduation process and criteria proposal which includes (3) the mandatory testing and reporting of a BP's major layers as defined by the Akraino Validation Framework FP.

Production Deployable TCD Clarification

Vote #1

To postpend with "*The Akraino community defines a BP as 'production deployable' after it has graduated to the level of 'Mature' or 'Core'* ".

- TCD currently states as it's mission "1. *Create end to end configuration for a particular Edge Use case which is complete, tested and production deployable meeting the use case characteristics {Integration Projects - Blueprints}.*"

Notes:
- In all cases graduation is ratified based on TSC voting

- The process sub-committee is proposing detailed criteria for these graduations reviews (see proposals 2 and 3)

Graduation

Vote #2

To adopt the proposal for Mature and Core graduation processes and criteria

- The process sub-committee has proposed the detailed process and objective criteria for graduation to Mature and then Core

- Presented at April 2019 F2F and fully described here
https://wiki.akraino.org/display/AK/BP+Graduation+Review+Processes+and+Criteria+Proposal

Layer Based Graduation Testing

Vote #3

To adopt mandatory layer based testing as defined by the Validation Framework Project (which forms part of the graduation process)

- As part of the graduation process sets of automated functional and security testing are defined for the BPs' major HW/SW stack layers

- The test tools and test sets are being defined and implemented by the Akraino Blueprint Validation Framework feature project (subject to TSC agreement)
  https://wiki.akraino.org/display/AK/Akraino+Blueprint+Validation+Framework

- These layer tests and the use of the defined tools are mandatory and form part of the TSC graduation assessment. Note: Only the layers or functional components deployed by a BP are covered by the mandatory testing (e.g. if a given BP does not deploy OpenStack then the OS test set would not mandated)

Incubation Review Graduation Recommendations

Recommendation 1

IEC Type 4 AR/VR Blueprint (Link)

Recommendation 2

MEC API Framework Feature Project (Link)

LF Tool Overview

› Eric Ball, Linux Foundation

Sub-Committee Updates

Sub-Committee	Chair	Notes:
Upstream	Wenjing Chu	
Process	Andrew Wilkinson	
CI and Blueprint Validation Lab	Cesar Berho	
Community	Tapio Tallgren	
Documentation	Sujata Tibrewala	
Security	Ken Yi	