



arm

# Maintenance Process

Proposal

March 2020

# Goal of this Proposal

- Define a clear maintenance process for trustedfirmware.org projects
  - Initially for TF-A and TF-M (might extend to OP-TEE, ...)
- Define key developers roles within the project
- Enlarge maintainership to developers outside of Arm
- Document the code review process
  - Set expectations for contributors and reviewers
  - Define who does what
- Define a life cycle for platform support
- Start a discussion within the community

# Roles, Rights and Responsibilities

## Contributor

- Default role

## Code owner

- Responsible for specific module(s)
- Self-nominated or elected by their peers

## Maintainer

- High level view, ensure changes adhere to project's architecture
- Have merges rights
- Elected by their peers (**meritocracy basis**)
- Cumulative with code owner role

# Life Cycle of a Patch

1. Patch is submitted for review. Changes  $n$  modules.
2. Patch author adds reviewers:
  - 1 code owner per module
  - 1 maintainer
3. Code owners review and approve the patch.
4. Maintainer review and approve the patch.
5. Maintainer merge the patch in the tree.

# Life Cycle for Platform Support

- Platform support involves maintaining:
  - Code (e.g. API breakages)
  - Tests
  - Documentation
  - OpenCI
- Define several levels of support
  - Fully supported
  - Limited support
  - Orphan
  - Out of date
  - Deprecated
- Users know what is supposed to work on a platform
- Define a process to deal with deprecated platforms

# Open Questions

- Allow self-review?
- Process to fast-track patches

# References

- Proposal

<https://developer.trustedfirmware.org/w/collaboration/project-maintenance-proposal/>

Thank You

Danke

Merci

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Gracias

Kiitos

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