# ASAM Standards Development Process
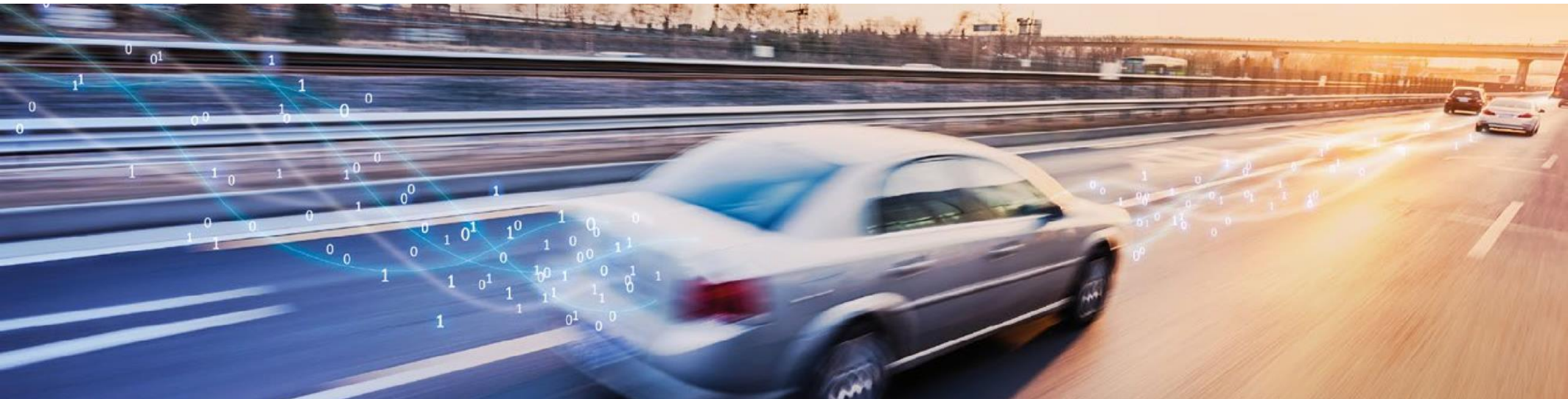
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Kaiserslautern/Germany

**ASAM**
Association for Standardization of
Automation and Measuring Systems

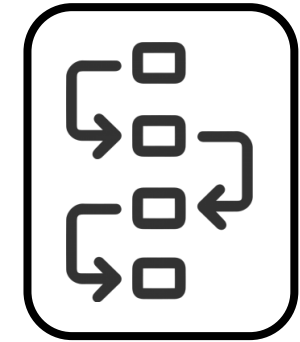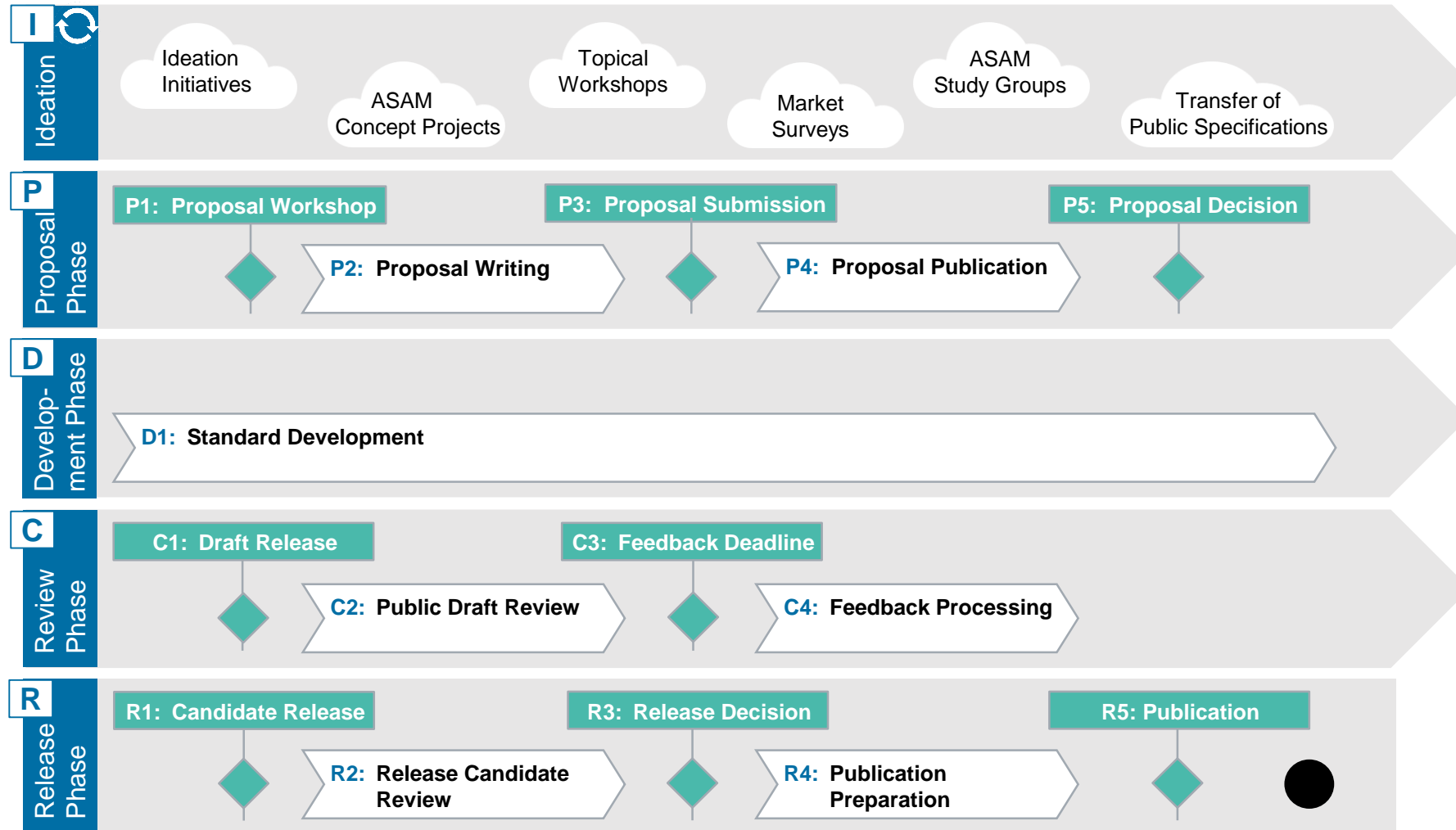# Standard Development

## Process

Standards are developed in <u>projects</u>.

- Projects have a defined start and end.

- Members*) can propose a project.

- Members*) can send their experts to participate in the standard development project.

- Projects may be supported by a service provider paid from an ASAM budget.

- Project groups are given a lot of leeway to organize their own work.

*) members in "executive" membership class only

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# ASAM Development Process for Standards



**I — Ideation**
- Ideation Initiatives
- ASAM Concept Projects
- Topical Workshops
- Market Surveys
- ASAM Study Groups
- Transfer of Public Specifications

**P — Proposal Phase**
- P1: Proposal Workshop
- P2: Proposal Writing
- P3: Proposal Submission
- P4: Proposal Publication
- P5: Proposal Decision

**D — Development Phase**
- D1: Standard Development

**C — Review Phase**
- C1: Draft Release
- C2: Public Draft Review
- C3: Feedback Deadline
- C4: Feedback Processing

**R — Release Phase**
- R1: Candidate Release
- R2: Release Candidate Review
- R3: Release Decision
- R4: Publication Preparation
- R5: Publication

# Project Types

## Standard Development Projects

New Standard Development

⇨ Develop new standard

Major Version Development

⇨ Add major content

Minor Version Development

⇨ Make smaller additions and changes, should be backward-compatible

Revision Version Development

⇨ Fix issues, must be backward-compatible

## Other Projects

- Implementation Project
  - ⇨ Create supplementary products that support the application of ASAM standards
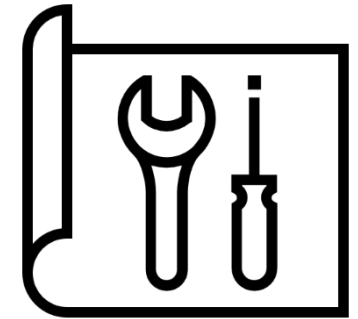
- Concept Project
  - ⇨ Preparation of standard development projects
  - ⇨ Allow international members to influence existing ASAM standards via local concept development projects
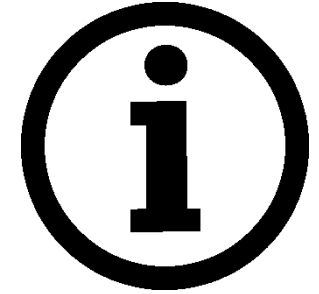
- Study Project
  - ⇨ Joint learning and application of ASAM standards
  - ⇨ Feedback to standard development group

# Best Practices

## Most productive project format:

- Regular (monthly) on-site meetings to discuss standardization concepts and review new/revised sections of the standard.
- Remote meetings for organizational or easy technical topics, only.
- Project leader manages the group's work.
- Document owner writes the standards.

## Most important roles:

- Project leader: organizes the group's work and moderates the meetings.
- Document owner: writes the standards.

## Budget: can be used to contract work to a service provider, e.g. to

- Write the standard (i.e. document owner).
- Create work artefacts, e.g. UML models, schemas, interface description files, examples, etc.
- Develop reference source-code.
- Carry out feasibility studies and performance benchmarks.

## Consent building and voting:

- Project leaders shall drive the group to 100% consent decision.
- If unanimous consent cannot be reached, then voting is carried out. One company = one vote.

## ASAM IT tools

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# IT Tools

File sharing:                    Subversion

Bug reports:                    Bugzilla

Feature requests:                Bugzilla

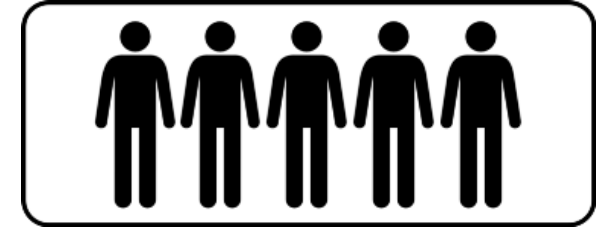Draft document reviews:          Adobe Shared Review

Internet conferencing:           WebEx

Video conferencing       (e.g. Lifesize Icon 600)

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# What is Expected from Project Group Members?

## Task

Develop the standard as defined in the project proposal.

## Members (= Experts)

- Provide use-cases, application & process knowledge and requirements.
  (typically OEMs)

- Provide technical expertise.
  (typically tool vendors)

- May write parts of the standard and contribute other artefacts.

- Review the work of the standard author.

- Vote on the acceptance of individual proposals and technical release of the standard.

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# Thank you!

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