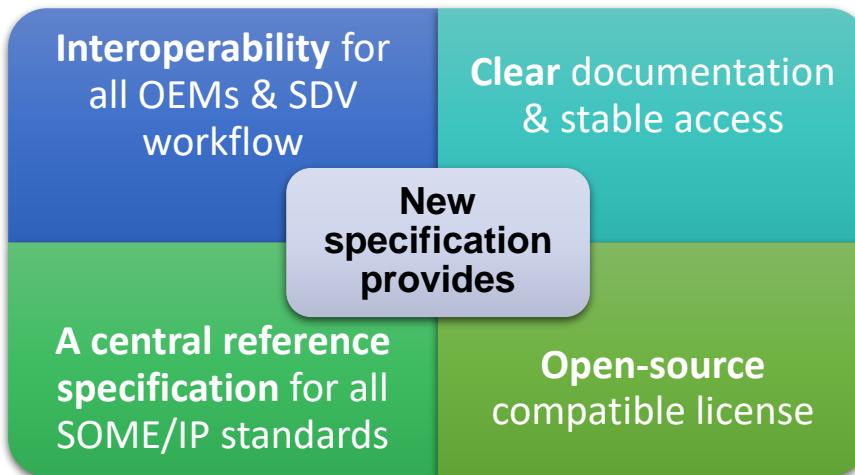


## Why a new specification was needed:

### Existing SOME/IP specs had issues:

- Incomplete or outdated feature coverage
- Licenses incompatible with open-source (especially AUTOSAR)
- Specs with unstable access and poor cross-linking
- Proprietary extensions not supported by all implementations



## What this 2025 specification covers

- **Covers all core SOME/IP features:** RPC & Messaging, SOME/IP-SD, SOME/IP-TP
- **Adds new clarifications:**
  - Reserved identifiers: ServiceID = 0xFFFF, MethodID = 0x8100
  - Exception messages officially supported
  - Version compatibility: deserialization ignores extra parameters
  - Alive-Counter rule added for cyclic events
  - Recommended message size ≤1416 bytes for TP
  - SessionID starts at 1 - reboot detection
  - Multicast & eventgroups clarified for publish/subscribe
- **Provides a clean spec structure:** clear separation of RPC, TP, SD  
Built for open-source workflows: public GitHub repo, Sphinx-Needs format
- **Designed for SDV development, commercial vehicles, and interoperability**
- **Acts as a central reference for ISO, COVESA, AUTOSAR, and open-source stacks**

## Roadmap (2026 and Beyond)



## Downside of Open SOME/IP Specification

- Only license-compatible contributions accepted
- Features from other standards (e.g., AUTOSAR) can only be added by original creators
- Some useful features may take longer to be added