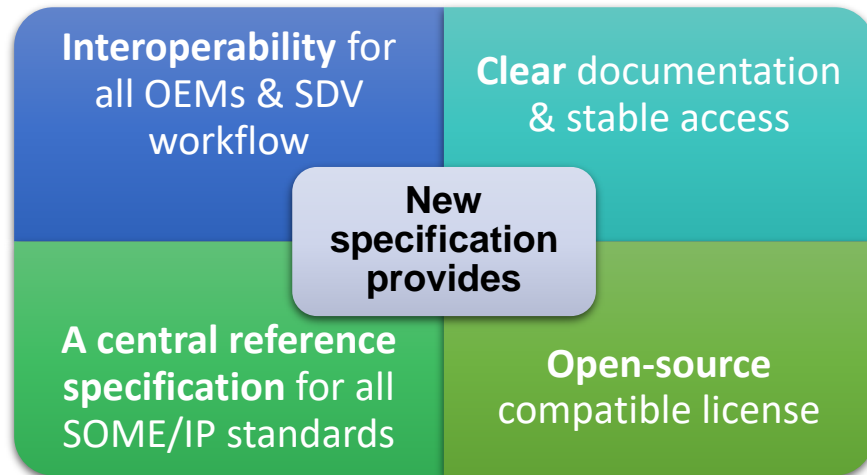


Why a new specification was needed:

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- Incomplete or outdated feature coverage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



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

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)

