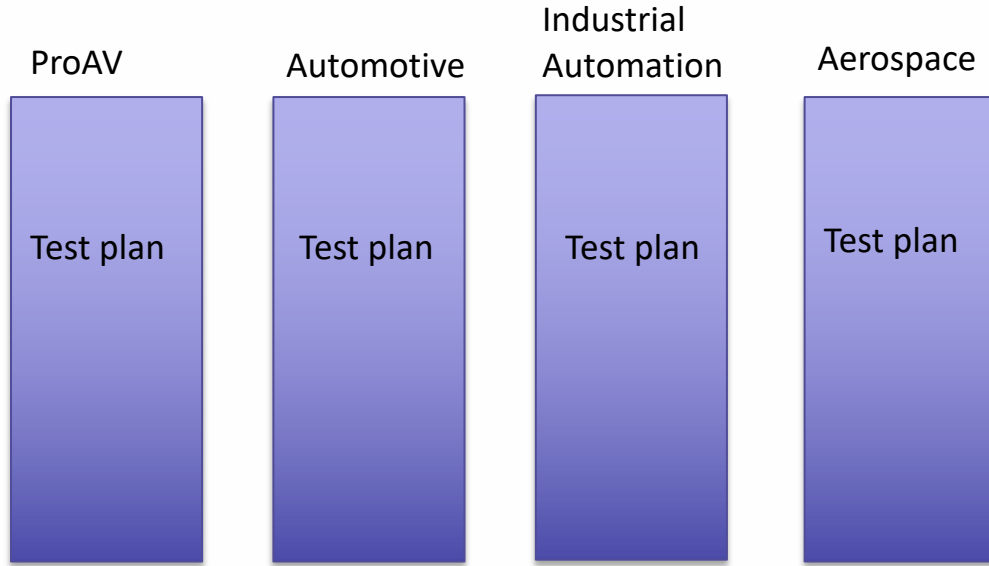


Progress towards a common TSN for converging networks

(by many contributors in Avnu Alliance)

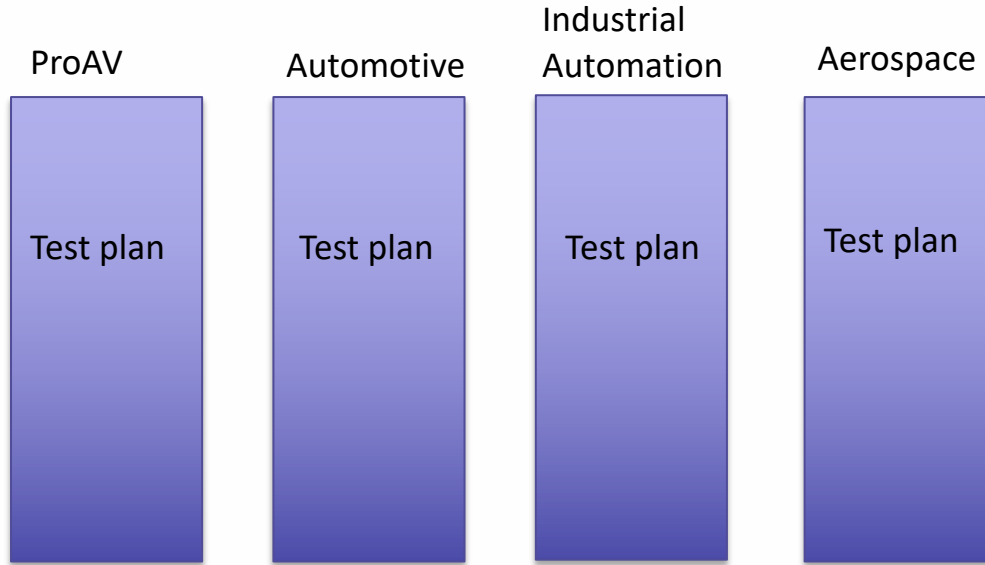
Greg Schlechter

Common base for testing and interop



Where we were heading (3+ years ago)...

Common base for testing and interop



Problems with this approach:

- Significant duplication/across profiles and industries. Same requirements addressed differently.
- Unclear requirements for components/Si and common infrastructure
- Confusion in testing equipment
- Market confusion that there were many TSNs, each with niche market
- Not setup for markets on converging networks

Common base for testing and interop

New approach

	ProAV	Automotive	Industrial Automation	Aerospace
PTP (802.1AS)				
802.1Qav				
802.1Qbv				
802.1Qbu				

Profiles provide requirements for meeting intended vertical needs

Common base test plans that can be used for multiple verticals, multiple parts of value chain

Common base for testing and interop

New approach

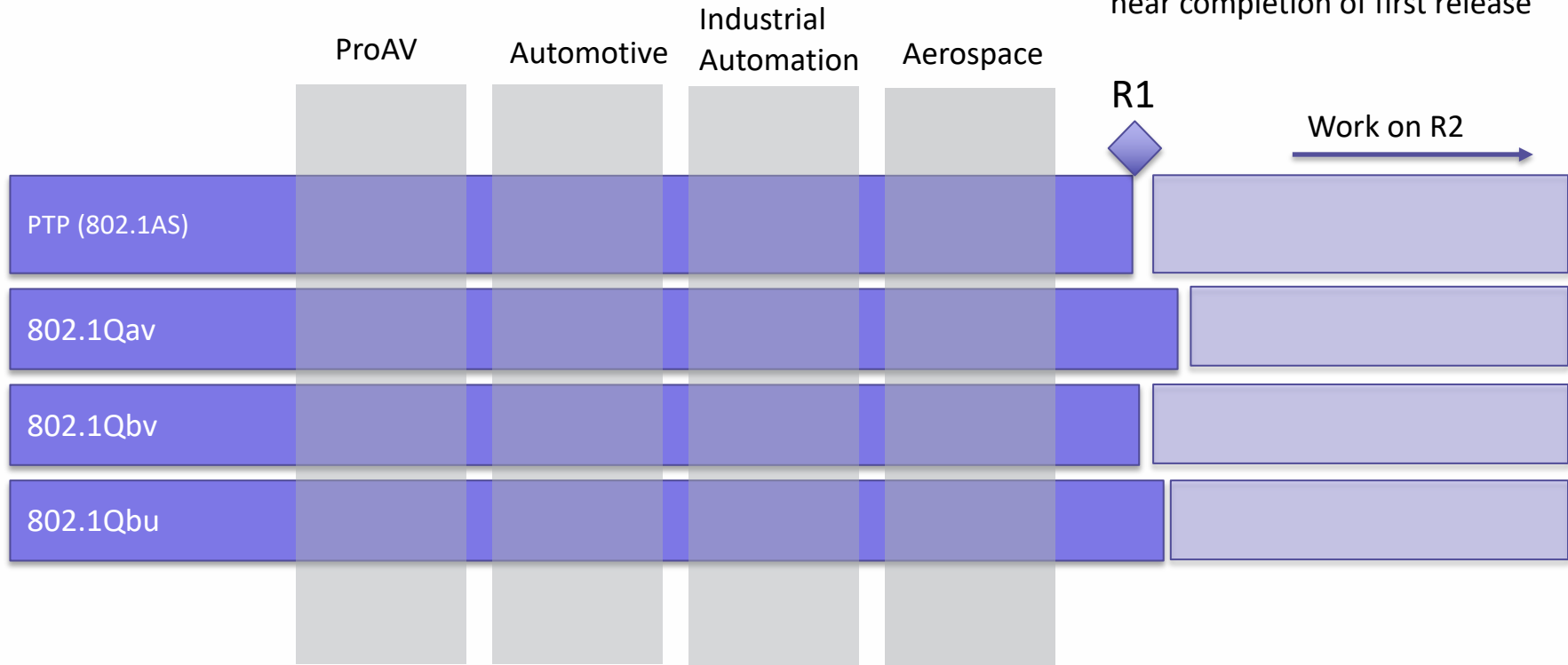
	ProAV	Automotive	Industrial Automation	Aerospace
PTP (802.1AS)				
802.1Qav				
802.1Qbv				
802.1Qbu				

Profiles provide requirements for meeting intended vertical needs

Multiple test programs can be built from selecting from base test plans , tailored to market needs for each component

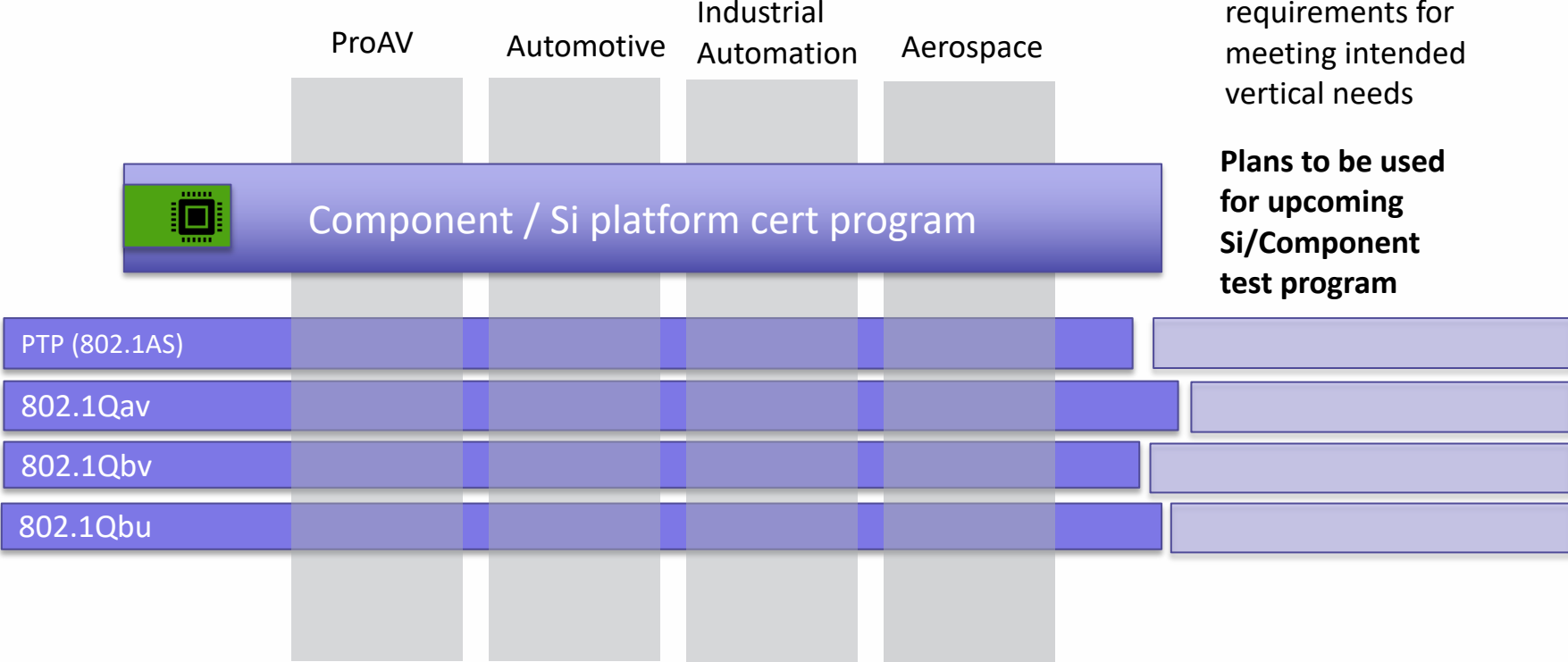
Common base for testing and interop

Status: First set of test plans near completion of first release

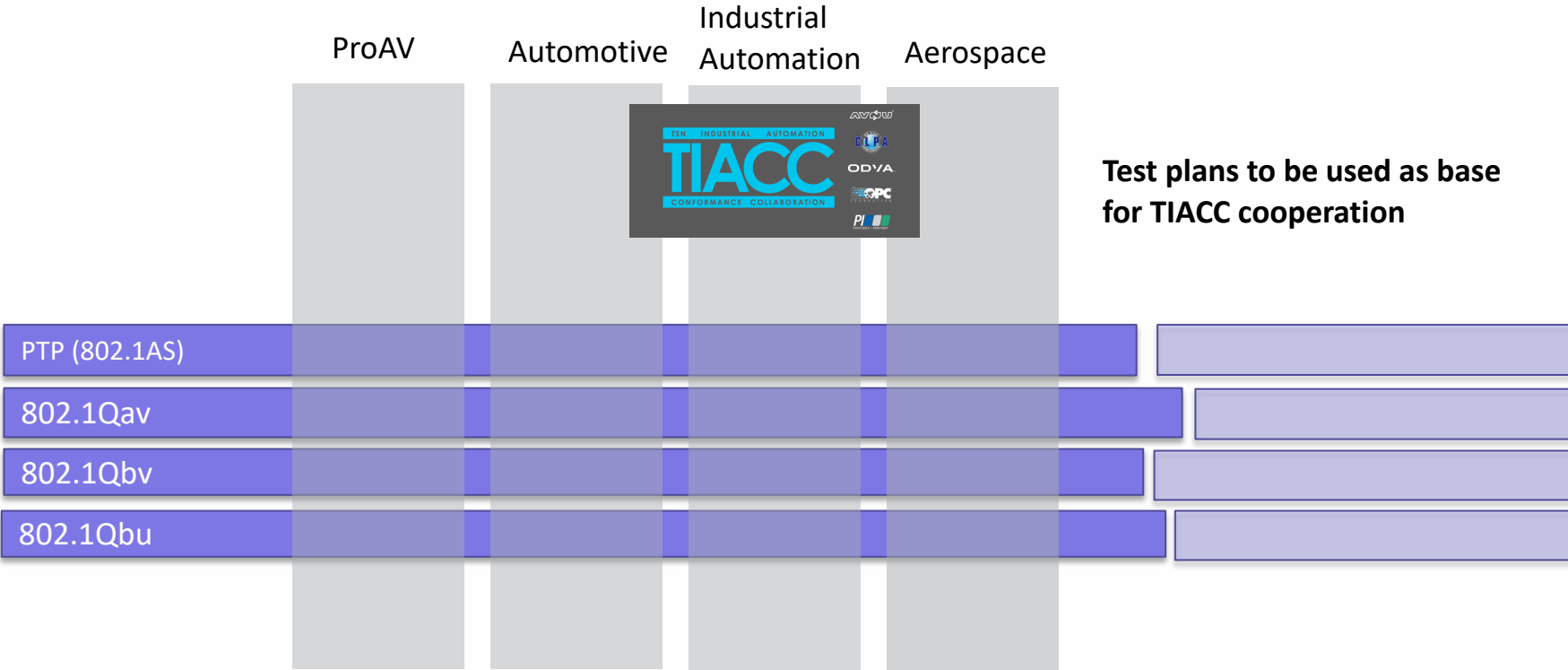


Test scripting developed and tested in multiple plugfests

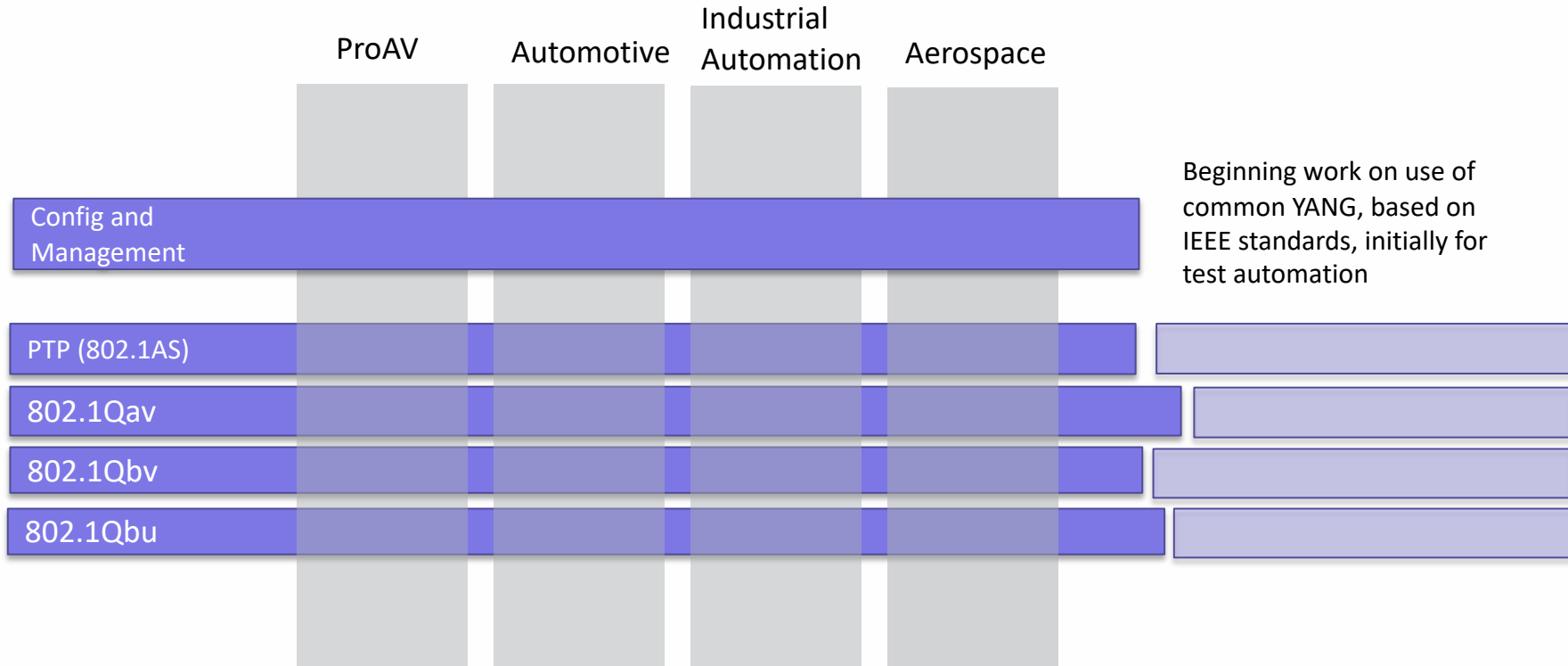
Common base for testing and interop



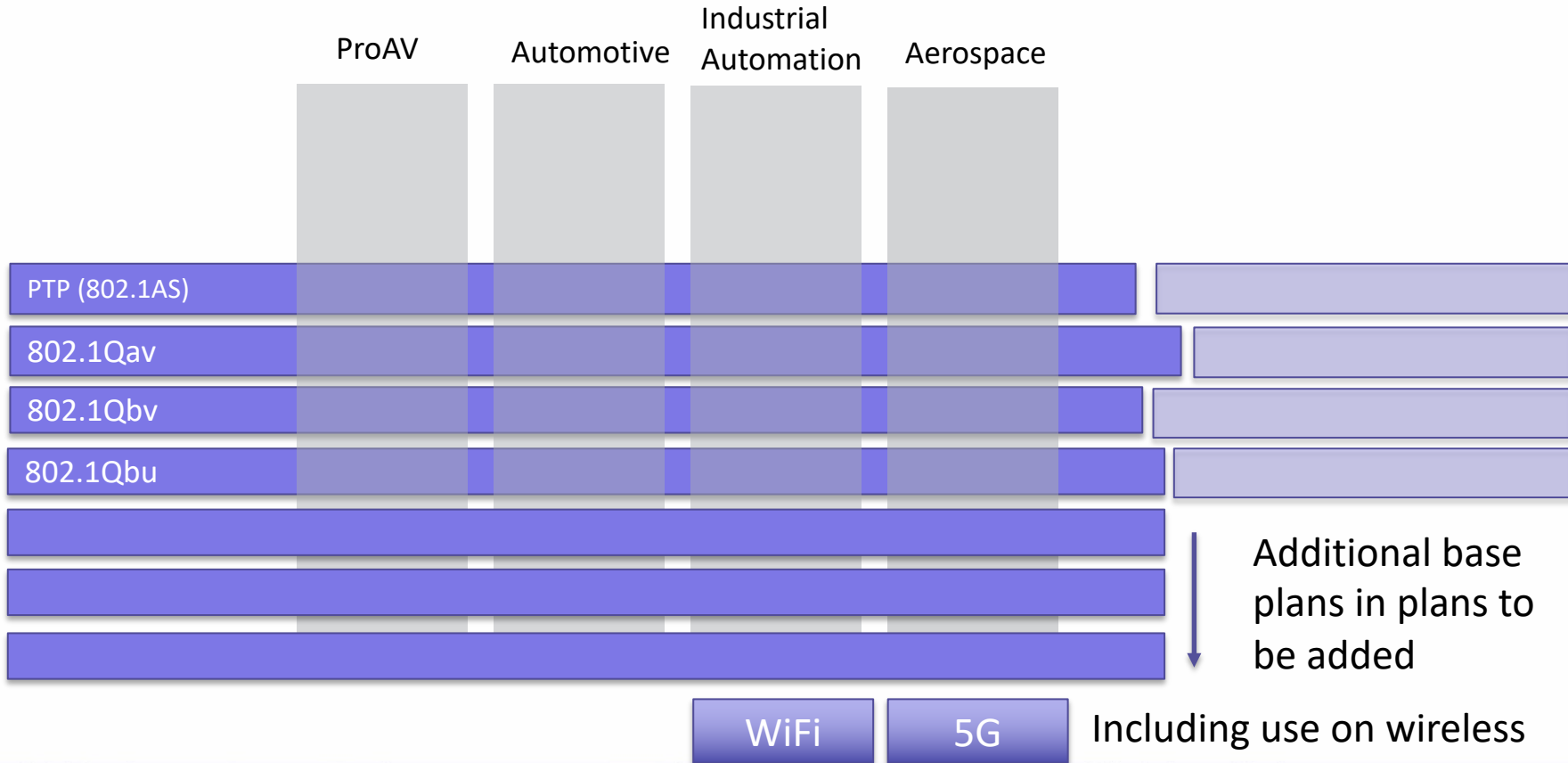
Common base for testing and interop



Common base for testing and interop



Common base for testing and interop



Summary and next steps

- Work by many people and companies have created a good start and foundation for common TSN
- Continue the discussions in IEEE, Avnu (and elsewhere) on moving the ecosystem forward
- Please join the work in IEEE and Avnu, all contributions welcome!