

Draft Need – 20180212A

SJTAG Need:

- A standardized method is needed to coordinate component access topologies, interface constraints, and other dependencies at the board and system level in order to be able to effectively leverage the existing and future component level standards. Thus, a new supervisory standard is required to **define the coordination and dependencies of instruments as well as configuration, management, and application of vector based testing** at the board and system levels.
- Ideology vs. interface
- Specific interfaces are not really broad enough for the Needs statement.
- More widespread parts are the more need for a standard to bridge them together (aiding to PnP of COTS)
- What is there and what you can make use of
- Leverage lower level stds perspective is bottom up
- Do we need 2 stds: Top-down defining sub-system “interfaces”, interoperability with low level stds
- Req’s flow naturally goes top-down. Component BOM drives what is testable in the design (bottom-up). A hybrid approach is needed.
- **Enabler of the collective capabilities for the system test. Bottom-up needs to know what is going to be compatible to SJTAG.**
- **SJTAG Compliance Levels: Range from general health to specific access/data interfaces to exiting standards**