Software Defined Systems Committee

Software Communications Architecture (SCA) and More …

The Wireless Innovation Forum's Software Defined Systems (SDS) Committee focuses on projects in standards creation for software architectures, application programming interfaces, test and certification, including:
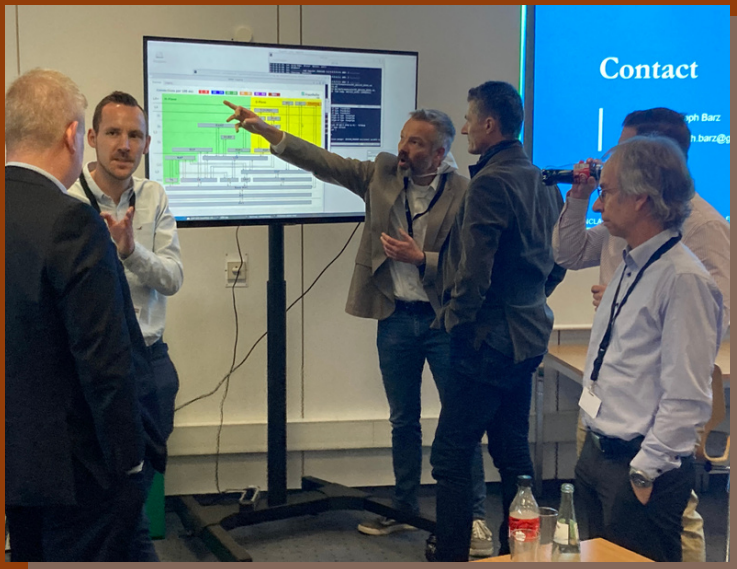
- Defining an industry driven SCA evolution roadmap for the international community
- Profiling the SCA specification and related APIs to define internationally accepted variants that are hosted by the Forum
- Developing extensions to the SCA standards that address any gaps between the defined SCA evolution roadmap and Forum accepted SCA specification variants
- Providing implementation and certification guides, tools etc. easing implementation and supporting proliferation
- Establishing and managing industry led certification programs where appropriate

Management and oversight of this committee is provided by a Steering Group working in collaboration with an Advisory Council

As a member you can:
- Initiate and lead market focused work groups, task groups or special interest groups.
- Leverage the Forum's proven development process and IPR policy and its reputation as a "honest broker" in presenting technology,
- Collaborate with other member representatives from leading organizations across multiple market segments and at all levels of the wireless value chain.
- Leverage the Forum's flexible membership model and its partnerships, US and European conferences, webinars and web presence.

Demo at the 2022 Tactical Communications Workshop at Fraunhofer in Wachtberg, Germany.

Projects

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The Forum's SDS Committee, Working Groups and Task Groups meet periodically, usually every week or every other week for 1-2 hours, to progress on their individual projects, which are either specifications, recommendations or reports. Current projects include:

Harmonized Audio Service and Facilities Mapping
The audio facility is the WInnForum standard for audio instantiations, which enable radio platforms to provide radio applications with knowledge of time. It supports portability of radio applications and hospitality of radio platforms, through a generic specification of the audio capability, with the associated API and attributes

Tactical Communications Standards
This group studies the available software frameworks that exist (e.g. SCA, OMS and FACE) to identify complementary features, overlaps and potential integration points, leveraging the expertise that WInnForum has developed within SCA, but also those who have knowledge of the other frameworks, in addition to other objectives. They are currently working to map the Forum's standards to that of Sensor Open Systems Architecture (SOSA™).

To contribute to any of the projects listed above, or if you have an advanced wireless problem that you need solved, join us! Contact Lee Pucker at Lee.Pucker@WirelessInnovation.org

Standards Library

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Visit https://sds.wirelessinnovation.org for all our SDS specifications, reports and recommendations.

Annual Dues Structure

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Please note that there is one vote per organization in balloting, regardless of membership level and number of member representatives.

- $9500 - Large commercial companies with revenues greater than $500 million
- $5500 - Medium commercial companies with revenues greater than $50 million, but less than $500 million
- $2600 - Small commercial companies with revenues less than $50 million
- $2550 - Government and non-profit organizations
- $1500 - Academic Institutions

https://sds.wirelessinnovation.org