

Wireless Innovation Forum Publishes Updated Transceiver Facility V2.1 with Platform Specific Models



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Specification and Supporting Documents Part of Ten Document Suite of Standards that include FPGA, SCA and C++ Platform Specific Models

WASHINGTON, March 29, 2022 /PRNewswire/ -- In a move to advance transceiver interoperability, **the Wireless Innovation Forum** (WinnForum) has announced approval of an updated specification Transceiver Facility V2.1 (WINNF-TS-2008) that completes the former platform independent model and use case document with platform specific models for different programming paradigms. The full package of approved documents includes formal Facilities Mapping Rules (WINNF-TR-2008) and Time Service Facility (WINNF-TS-3004) also updated with platform specific models.

The Transceiver Facility standardizes the APIs (Application Programming Interfaces) and associated properties for the RF Transceiver. It facilitates portability of radio applications (waveforms) and the use of reconfigurable transceiver implementations across platforms.

The core specification to the Transceiver Facility provides a Platform Independent Model (PIM) specification for the processing stage situated between the antenna and the radio physical layer baseband processing. The PIM specification is complemented by the addition of three new appendices providing platform specific model (PSM) specifications for programming paradigms, namely Native C++, FPGA, and Software Communications Architecture (SCA).

"This is another important milestone achieved to promote interoperability of Software Defined Radio (SDR) applications and to speed up the development phase," R. Muralidharan of Tata Advanced Systems and member of the Forum's Board of Directors. "As India moves toward the adoption of the SCA, the Forum's contribution to the evolution of the technology is of utmost importance."

These documents are part of the expanding suite of specifications developed by the WINNForum for international furtherance and harmonization of SDR standards. The complete library:

<https://sds.wirelessinnovation.org/specifications-and-recommendations>.

About the Wireless Innovation Forum

Established in 1996 and supported by platinum sponsor **Thales**, The Wireless Innovation Forum is a non-profit mutual benefit corporation dedicated to advocating for spectrum innovation and advancing radio technologies that support essential or critical communications worldwide. Members bring a broad base of experience in Software Defined Radio (SDR), Cognitive Radio (CR) and Dynamic Spectrum Access (DSA) technologies in diverse markets and at all levels of the wireless value chain to address emerging wireless communications requirements. To learn more about The Wireless Innovation Forum, its meetings and membership benefits, visit www.WirelessInnovation.org.

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