Welkin Sciences

WELKIN SCIENCES ELECTED TO DIFI CONSORTIUM BOARD

9 August 2022

Welkin Sciences is pleased to announce its election to a two-year term as a General Member of the Board of the DIFI Consortium. Dr. J. Todd Reinking, Vice President of Research & Development, will serve as Welkin Sciences' primary representative, with Michael Phillips, Vice President of Engineering, as his alternate. Welkin Sciences was elected by its peers in the general membership of the DIFI Consortium to this position. Welkin Sciences joined the DIFI Consortium in October 2021 and is an active participant in several of its working groups and subcommittees.

The Digital Intermediate Frequency Interoperability (DIFI) Consortium was founded in 2021 with the goal of transforming the space and satellite industries by designing and publishing an open, interoperable Digital IF/RF standard to accelerate industry transformation from L-Band IF to Digital IF, while discouraging vendor lock-in. Version 1.1 of the DIFI Standard (IEEE-ISTO Std 4900-2021) was published on August 9, 2022. More information about the DIFI Consortium can be found at www.dificonsortium.org.

For more than a decade, Welkin Sciences has designed and built various devices featuring Digital IF interfaces targeted for use in satellite communication ground terminals. Many of these devices transport signals in VITA 49.0 packets over Ethernet interfaces in a manner compliant with the ANSI/TIA 5041 Future Advanced SATCOM Technologies (FAST) Open Standard for Digital IF Interfaces (OSDI), which Welkin Sciences helped develop. Welkin Sciences is actively designing new devices for SATCOM signal monitoring, synthesis, and processing that employ DIFI Standard-compliant Digital IF interfaces.