

TRESYS TECHNOLOGY: ANNOUNCEMENT

NATO TEAM AND TRESYS COLLABORATE TO DEVELOP DFDL LINK16 SCHEMA

Columbia, MD - October 9th, 2017 – NATO NCI Agency’s Interoperability Standards (IOS) team has developed a DFDL (Data Format Description Language) schema for NATO STANAG 5516 (aka Link16). This work was done in close collaboration with the DFDL open-source community, including Tresys Technology.

DFDL is a proposed standard from the Open Grid Forum, and it enables parsing and writing of complex data in formats described using DFDL Schemas, which are annotated XML Schemas, which vastly simplifies conversion of data to/from XML or JSON form.

The DFDL schema for STANAG 5516 runs on *Daffodil*, the Open Source implementation of DFDL. Tresys has been a principal contributor to the Open Grid Forum’s DFDL standard, and primary developer of Daffodil.

At NAIS 2017 (Oct 17-19) Tresys will exhibit a demonstration of its XD-Guardian product using Link16 data that has been parsed into XML using Daffodil and the STANAG 5516 DFDL schema.

DFDL has been adopted by the STANAG/Standards Transformation Framework (STF), an innovative approach developed by the NATO Allied Command Transformation (ACT) C3 Interoperability Standardization and NATO Communications and Information Agency (NCI Agency) Interoperability Standardization (IOS) scientific programme of work.

The STF enables the transformation of information exchange standards specification into machine-processable formats to improve their quality, decrease development time of their implementation, and to better support the testing, verification and validation of the standards and their implementations. DFDL and the STANAG 5516 schema have been proposed to the NATO Tactical Data Link Capability Area Team (TDL CaT) XML Syndicate for adoption inside of their xTDL Framework.

About Tresys

Tresys Technology provides customers with comprehensive security solutions that meet the challenges of the most demanding environments in the world. Whether it’s safeguarding classified or highly restrictive government networks, or ensuring the secure delivery of critical industrial, financial or operational data, clients have counted on Tresys for nearly two decades. Along with unparalleled industry expertise, Tresys’ certified and accredited products protect information and ensure that the appropriate data gets to the correct location in a timely and secure manner. For more information, please go to www.tresys.com, Facebook, Twitter, or LinkedIn.

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