CQ19 Collection Management Excursion

EXSUM

The CCoE Battle Lab Live Experimentation Branch successfully integrated the first implementation of the DCGS-A Increment 1 Release 2 Service Pack (SP1) into the Cyber Quest systems environment. This is a significant accomplishment as the DCGS-A Increment 1 Release 2 Service Pack (SP1) is the only laptop configuration from the PM DCGS-A office which fully supports tactical (USMTF/VMF) messaging within the upper and lower Tactical Internet (TI).

The Collection Management Assessment implemented the Wide-area Intelligence Surveillance Reconnaissance Discovery (WISRD) application, developed by CyOne, to inform the ability for the Intelligence, Information, Cyber, Electronic Warfare, Space (I2CEWS) Collection Management team to facilitate:

- Time Sensitive Target Collection Requests
- Dynamic Re-tasking of Organic Assets

The Wide-area Intelligence Surveillance Reconnaissance Discovery (WISRD) application was allocated a five day period for Integration & Testing (I&T). The CBL Live Experimentation-Intelligence team configured WISRD within the Cyber Quest 2019 network on the first day of the I&T phase. WISRD was next integrated with the foundational geospatial map services provided by Esri while the remaining four days of I&T were used to integrate WISRD with the other networked systems present during Cyber Quest 2019. WISRD was stimulated with message traffic from EWPMT, AFATDS, and CPOF over DDS while also receiving notional message traffic from the IEWTPT/LOD simulation system representing ISR Platforms and SIGACTS to provide an objective assessment of performance against the Collection Management Excursion objectives.

WISRD was able to demonstrate flexible integration of cyber sensors technologies from CyberSU during the execution phase of Cyber Quest 2019. WISRD’s performance against other data integration objectives weren’t fully assessed during Cyber Quest 2019 due to the full complement of Cyber and Electronic Warfare sensors not being delivered into the Brigade S2 section as additional data sources.

WISRD successfully achieved all experiment objectives in four days against the allocated five day Collection Management Excursion activities window. Successful performance during the execution phase can be attributed to the fundamental quality of the WISRD application and the approach of the CyOne development team. The integration and assessment of CyOne was a smooth, well-planned activity with consistently strong results.

The success of WISRD during Cyber Quest 2019 proved to become the exemplar enabling WISRD to be selected for addition to the Cyber Blitz 2019 exercise. WISRD is already a proven and suitable selection for the Cyber Quest 2020 event as an enabling capability for a Brigade S2 section.