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WEAPON PLATFORMS UAS Training 2.0

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Royal Navy Mine Warfare

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CONFERENCE REPORT



The ninth edition of the NATO CAX Forum was held from 30 September to 3 October 2014 in Istanbul, Turkey. As in previous years, the event was organised by the Modelling and Simulation Centre of Excellence (M&S CoE) based in Rome, Italy.

The event, which took place at the Turkish War Colleges Atatürk Wargaming and Convention Centre, was attended by about 260 participants. They came from 30 countries – NATO Members and Partners such as the Partnership for Peace Programme, the Mediterranean Dialogue, and the Istanbul Cooperation Initiative, as well as from Contact Countries and other nations. Fourteen different industrial groups and governmental organizations and academic institutions contributed to the CAX Forum.

The event focused on technical issues and operating procedures related to simulation-based exercises and training support. The main topic this year, which set the theme for the keynote addresses, as well as many technical and academic briefings, was NATO's ongoing Connected Forces Initiative. CFI aims to develop improved doctrinal and technical procedures associated with simulation-based exercises. It provides the structure for Allies to train and exercise coherently, reinforces fullspectrum joint and combined training, promotes interoperability (including with partners), and leverages advances in technology.

In the past few years, under the guidance of the M&S CoE, the annual CAX Forum has become the key event for NATO Members and Partners to share information and enrich experience about computer assisted exercises. The next NATO CAX Forum edition will be again in Italy from 29 September to 2 October 2015.

TRAINING DEVICE

Aeromedical Evacuation Training

Dytecna will be working in close collaboration with CAE USA to develop a comprehensive Aeromedical Evacuation Training System for the United State Air Force Reserve Command (AFRC). CAE's Aeromedical Evacuation Training System will combine a high-fidelity C-130 fuselage trainer specifically configured for aeromedical evacuation missions with CAE Healthcare human patient simulators. Dytecna has been subcontracted by CAE USA to manufacturer the fuselage trainer.

The Dytecna solution will be produced using the same design methodology and techniques as previously established for the US Air Force's C-130 Fuselage Trainer, which is also produced in partnership with CAE. The fuselage trainer will be constructed at the Dytecna facility in Fareham, UK, and then shipped to Dobbins Air Force Base in Georgia, USA, where CAE will perform systems integration and testing of the overall Aeromedical Evacuation Training System.

AIR FORCE

Combat Training Contract

Cubic Corporation has been awarded a contract valued at more than \$20 million from the Royal Australian Air Force (RAAF) to provide the fifth generation Air Combat Maneuvering Instrumentation (ACMI) P5 Tactical Combat Training System (P5 TCTS). The contract provides the RAAF with a major increase in P5 TCTS allowing use across all Air Combat Group aircraft platforms for pilot training.

The P5 TCTS combat trainer is designed to provide real-time and postmission training for air-to-air, air-toground, and surface-to-air combat missions by recording mission data and relaying time, space and positioning information between participating aircraft during training sorties. Key components of the system include GPS-enabled aircraft-mounted airborne instrumentation "pods" and ground stations, which will help aircrew to conduct, monitor and control air combat training and postflight debriefing.

The P5 TCTS is currently in use on the RAAF's F/A-18F Super Hornet aircraft, and the addition of the new system will allow for P5 TCTS on three Royal Australian Air Force aircraft that currently do not use the system, including: MK-127 Hawk, F/A-18A/B Classic Hornet and the F/A-18G Growler.

MAINTENANCE TRAINING 3D Maintenance Training

Heartwood Inc., a supplier in 3D interactive training technologies, has been selected by Sikorsky Aircraft to develop custom 3D virtual maintenance training courseware. These training applications will be used to train maintenance personnel of UH-60M and UH-60L Black Hawk helicopters in an interactive and immersive 'hands-on' manner by leveraging the latest in 3D interactive and gaming technologies. The custom 3D interactive training applications are expected to be available for maintenance training in late 2014.