CAE launches next-generation CAE Medallion-6000XR image generator

Orlando, Florida, November 28, 2016 – (NYSE: CAE; TSX: CAE) – Today at the Interservice/Industry Training, Simulation and Education Conference (I/ITSEC), the world's largest military simulation and training event, CAE launched its next-generation CAE Medallion-6000XR image generator.

Demonstrations of the CAE Medallion-6000XR image generator are being held throughout the show from November 28 to December 1 at the CAE booth (#1533).

The CAE Medallion-6000XR was developed with full support for the Open Geospatial Consortium (OGC) CDB (formerly known as Common Database) standard and builds on the proven features and performance of CAE's long-standing Medallion-6000 family of image generators and visual solutions tailored specifically for the military market. The next-generation CAE Medallion-6000XR will continue to leverage commercial-off-the-shelf (COTS) graphics processors and includes enhanced features that support the creation of highly realistic, interoperable and immersive synthetic environments. The CAE Medallion-6000XR image generator will include the following new features:

- Support for the recently approved OGC CDB standard enabling more accurate terrain profile and enhanced local terrain features such as rivers and roads;
- Enhanced overall image quality and scene density capabilities with detailed synthetic environments and realistic night scenes for greater training realism and fidelity;
- Realistic 3D ocean, wakes, and ocean-to-shore simulation with enhanced whitecap and water illumination effects for improved overall visual cueing;
- Updated scene densities for runways, taxiways, airport contaminants, aprons and terminal buildings delivering unmatched airport realism;
- Support for animated 3D grass and 3D tree effects to further enhance realistic, immersive training;
- Enhanced particle-based recirculation and downwash effects for ownship and companion aircraft;
- Ability to modify OGC CDB synthetic environments at run-time to change the terrain dynamically (CAE Dynamic Synthetic Environment).

The first simulator to be delivered with the CAE Medallion-6000XR image generator will be a CAE 3000 Series helicopter simulator that CAE is currently developing for the Canadian Coast Guard. The CAE 3000 Series simulator will feature CAE's revolutionary roll-on/roll-off cockpit design and include cockpits for both the Bell 412 and Bell 429 helicopters used by the Canadian Coast Guard.

"The CAE Medallion-6000 image generator has proven itself as one of the leading visual solutions for the defence market, and is used on a range of programs globally," said Marc St. Hilaire, CAE's Chief Technology Officer. "Our new CAE Medallion-6000XR will deliver enhanced capabilities for generating highly immersive and realistic synthetic environments. Importantly, we are developing our technologies such as the Medallion-6000XR to fully support and utilize the OGC CDB standard, which will facilitate interoperability and better enable integrated mission training."

About CAE

CAE's Defence & Security business unit focuses on helping prepare our customers to develop and maintain the highest levels of mission readiness. We are a world-class training systems integrator offering a comprehensive portfolio of training centres, training services and simulation products across the air, land, sea and public safety market segments. We serve our global defence and security customers through regional operations in Canada; the United States/Latin America; Europe/Middle East/Africa; and Asia/Pacific, all of which leverage the full breadth of CAE's capabilities, technologies and solutions.

CAE is a global leader in training for the civil aviation, defence and security, and healthcare markets. Backed by a 70-year record of industry firsts, we continue to help define global training standards with our innovative virtual-to-live training solutions to make flying safer, maintain defence force readiness and enhance patient safety. We have the broadest global presence in the industry, with 8,000 employees, 160 sites and training locations in over 35 countries. Each year, we train more than 120,000 civil and defence crewmembers and thousands of healthcare professionals worldwide. www.cae.com

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This release was published with two images downloadable from www.cae.com/photos

Captions:
USAF_MQ-9_Reaper_flying_over_China_Lake_Red_Flag_1.jpg: Caption: Image of a U.S. Air Force MQ-9 Reaper remotely piloted aircraft generated by the new CAE Medallion-6000XR image generator.

RNZAF_NH90_rescue_operation_2.jpg: Caption: Royal New Zealand Air Force NH90 helicopter on search and rescue mission is depicted in this image generated by the new CAE Medallion-6000XR image generator.

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