

DEFENCE AND SPACE
Intelligence

Fortion® SIMFAC

Virtual environment
for fire support training



Fortion® SIMFAC

Virtual Environment for fire support training (JTAC, NFO, JFO)

Fortion® SIMFAC provides the bridge between the classroom and the expensive logistics of live training thanks to Sensors, Communications and Weapons simulations within an immersive weather, realistic terrain and complex human and tactical scenarios.

It is suitable for various TTPs (Tactics, Techniques and Procedures): Call For Fire (CFF), Naval Gunfire Support (NGFS), Close Combat Attack (CCA) and Close Air Support (CAS). In France seven simulators are deployed and connected together for remote and distributed training.

Accredited by NATO since 2013 for CAS type I, II, III night & laser, it allows replacing yearly 6 live controls out of the 12 for proficiency maintenance, based on COTS software and realistic piece of equipment replicas.

Fortion® SIMFAC training system is based on virtual simulation: equipped with a 4-meter diameter hemispheric screen (180° field of view), replicas of real equipment (laser range finder

binoculars, radio push to talk, laser target designator, IZLID infrared pointer, Full Motion Video. . .) and a Head Mounted Display (providing a 360° immersion).

The virtual environment software provides a realistic and varied synthetic environment (terrain, weather, allied forces, and enemy forces, urban, Northern Europe, desert, rainforest. . .).

It allows the interoperation within NATO nations and training

standardisation by sharing databases and scenarios.

The system has a very small logistics footprint and can be deployed in basic infrastructures as simple as classrooms. Connected to a simulation federation, SIMFAC allows training with legacy simulations, semi-Automated Forces, Tactical Operation Center and any DIS-HLA compatible simulator. In France all the seven simulators are connected and can interoperate easily.



Image courtesy from French Air Forces

Key Features

- Supports Joint Terminal Attack Controller (JTAC) certification and qualification (STANAG 3797)
- Used by French forces for trainees pre-screening, basic training, requalification, check runs and improvement by tactical drilling

- Enables network distributed training (Computer Assisted Exercise - CAX, international exercises)
- Suitable for various TTPs: Call For Fire (CFF), Naval Gunfire Support (NGFS), Close Combat Attack (CCA) and Close Air Support (CAS)

Key Benefits

- Interoperable with legacy simulation
- Versatile and flexible (can be adapted to other collective tasks such as Sniper-Spotter, artillery observer)
- Can be used for mission rehearsal
- Cost saving solution (can replace 6 yearly live controls), based on COTS and printed replicas

Airbus Defence and Space
Australia, Brazil, China, Finland, France,
Germany, Hungary, Singapore, Spain,
United Kingdom, United States

This document is not contractual.
Subject to change without notice.
Copyright 2022.
All rights reserved.

AIRBUS

@AirbusSpace
www.intelligence-airbusds.com