MISSION PLANNING AND DEBRIEFING SYSTEM

The Mission Planning and Debriefing System leverages more than 20 years experience in the delivery of mission support systems to Force and Unit level users, and provides core capabilities including:

▪ Mission Planning, based on Air Force Mission Support Systems (AFMSS), Joint Mission Planning Systems (JMPS) and Proprietary technologies (TeMPO *)
▪ Target modelling and stand-off missile planning
▪ Mission briefing and debriefing
▪ Mission rehearsal
▪ On-board Digital Map Display SW (DMG)
▪ Electronic Flight Bags (EFB)

Mission Planning supports all phases of the planning activity, from receiving Air Tasking Orders up to pre-flight briefing and preparation of on-board materials with minimum time and risk.

The Mission Debriefing solution is based on RES (Representation and Elaboration System) technology, providing functions for real-time 2D/3D track position monitoring. It provides Mission Debriefing Support (mission replay in 2D or 3D) and real-time data analysis including simulation and ‘what-if’ analysis.

KEY BENEFITS

Currently supported platforms include Typhoon, Tornado, AM-X, C-130J, C-27J, MB339, M346, P72A, NH90, HH101 and A129.

Mission Planning and Debriefing Systems follow a modular approach with a common technological framework (AFMSS, JMPS or TeMPO). This provides tangible benefits for data standardisation, data entry time reduction, Wing and Squadron interoperability and cost reductions in training, maintenance and logistic support.

(*) Technology for Mission Planning Operations

Evolution of Mission Planning System from AFMSS to TeMPO

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**MAIN FEATURES**

**Operational Scenario management**
- Mapping, Charting, Geodesy & Imagery, using 2D and 3D engines (CADRG, GeoTiff, etc.)
- Navigation data (DAFIF, JEPPESEN)
- Automatic scenario generation through ACO (Airspace Control Order)
- Automatic missions creation by means of importing ATO (Air Tasking Order)
- Import and display of NOTAMs (Notice to Airmen)

**Pre-mission briefing**
- Briefing materials display
- Multiple route analysis

**Route planning and evaluation**
- TOLD (Take-off and landing data)
- Calculation of performances according to the specific flight manual
- Deconfliction
- Route Fly Through

**Material preparation**
- Combat Mission Folder
- Upload/Download Data Transfer Device

**Target / objective analysis**
- Threat analysis (terrain mask and composite threat)
- Target management and display
- Threat fan

**Delivery planning**
- Management of manoeuvre parameters
- Airdrop

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**TECHNICAL CHARACTERISTICS**

**GENERAL**
- Operating System: Windows 7, 8.1 and 10, UNIX
- ATO and ACO: AdapT-3
- RDBMS: SQL-Server, Oracle
- Office Suite: Office 2010
- Others: IRIS Form for ADAT-P3

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