



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.

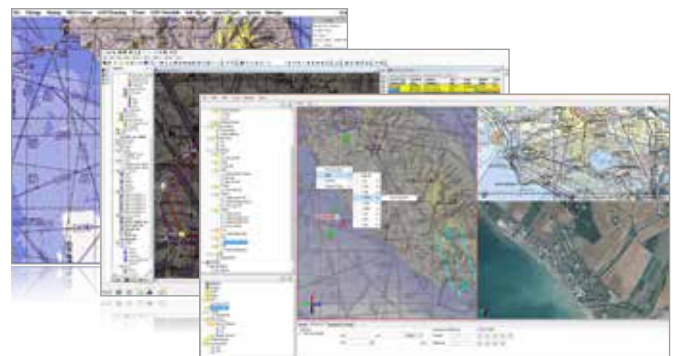
The Mission Debriefing solution is based on RES (Representation and Elaboration System) technology, providing functions for real-time 2D/3D track position monitoring. It provides Mission Debriefing Support (mission replay in 2D or 3D) and real-time data analysis including simulation and 'what-If' analysis.

(*) Technology for Mission Planning Operations

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.



Evolution of Mission Planning System from AFMSS to TeMPO

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

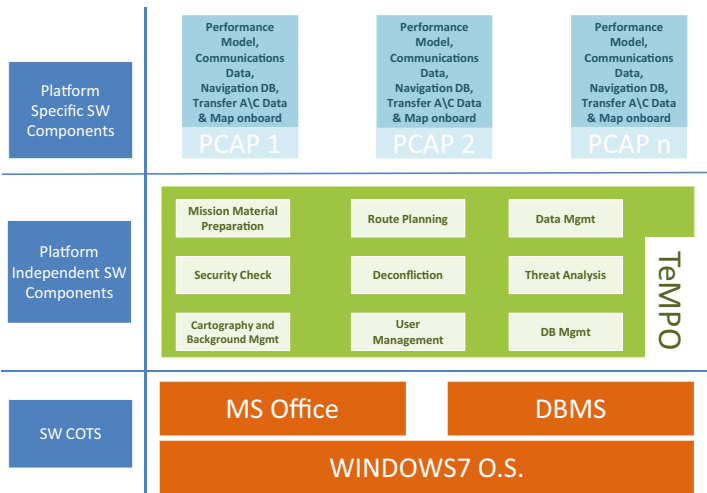
- Combat Mission Folder
- Upload/Download Data Transfer Device

Target / objective analysis

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

Delivery planning

- Management of manoeuvre parameters
- Airdrop



TeMPO Architecture

PLATFORM SPECIFIC CUSTOMISATION

Specific modules related to several supported platforms are made available by integration of the company's or Commercial Off The Shelf (COTS) software libraries with the aim to enable:

- IFF and V-UHF Radio Equipment Preset
- MIDS, Link 16 Data Link Equipment Configuration
- Sensor Planning/Configuration and Preview (e.g. Radar, Flir, Ground Proximity Warning System)
- Stores Configuration Load Out
- Weight and Balance
- On-board Simulation Equipments Planning and Preset (e.g. M346 ETTS)

TECHNICAL CHARACTERISTICS

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

SET-UP

PLAN

SIMULATION

DATA
UPLOAD

FLIGHT

DATA
DOWNLOAD

DEBRIEFING

- Update Support Database (maps, DAFIF, JEPPESEN etc)

- Import of Mission Data (ATO, ACO etc)
- Route, Sensors and Equipments Planning

- Mission Simulation and Rehearsal

- Material Preparation (CMF, Briefing Data)
- Data Transfer on board (DTD)

- Import of Recorded Data

- Sortie video preview
- Mission Playback
- Report Preparation

