This document is not contractual. Subject to change without notice. © 2024 Airbus Defence and Space Airbus, its logo and the product names are registered trademarks. All rights reserved. 0301_24_6.

Airbus Defence and Space

Claude Dornier Strasse / 88090 Immenstaad / Germany

@Airbus Defence //

www.intelligence.airbus.com

DEFENCE AND SPACE

Fortion® 1SkyControl

Field-Proven
Air Battle Management
Software Suite

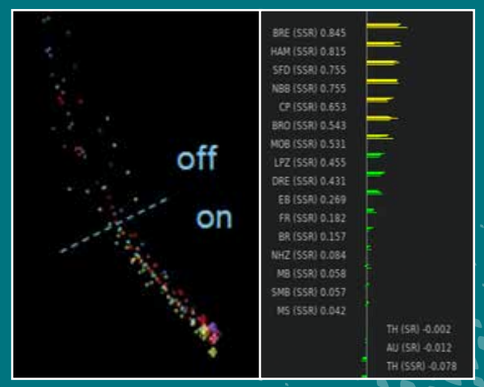
New Generation of High-End Force Multiplier

Fortion® 1SkyControl enables air force operators to conduct highly coordinated multi-domain operations with a focus on air battle management.

Fortion® 1SkyControl orchestrates employment of latest generation weapon systems to maximize their efficiency and effectiveness.

It supports the forces to ensure the sovereignty of national and coalition airspace and to deter aggressors during peacetime, crisis and wartime.

As software defined defence product, Fortion® 1SkyControl ensures interoperability and supports seamless integration of legacy and next generation assets.



Self-learning sensor bias compensation

Air Surveillance

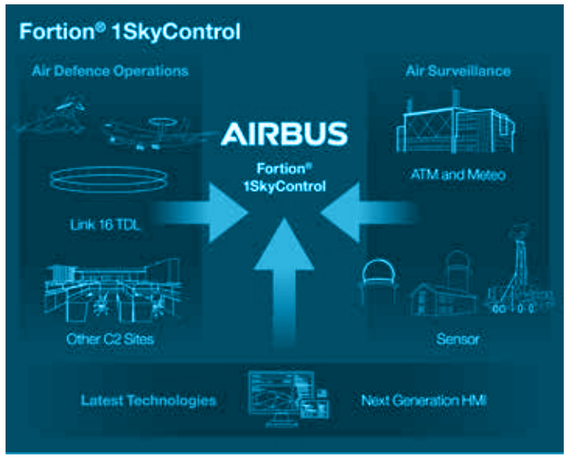
Fortion® 1SkyControl creates and disseminates the Recognised Air Picture (RAP):

- Area of responsibility of up to 2,000 x 2,000 NM^2
- Multi-sensor tracking for up to 100 radar sensors simultaneously
- Passive radar sensor tracking
- Processing of up to 14,000 tracks
- Automatic identification according to SUPPLAN-D

Enhanced Interoperability

Fortion® 1SkyControl ensures seamless integration:

- Processing and display of Common Operational Picture (COP)
- Sensor integration via ASTERIX interfaces
- More than 30 Link 16 TDL interfaces (JREAP-C or MIDS-LVT BU2)
- ADatP-3 formatted message exchange
- DIS simulation support

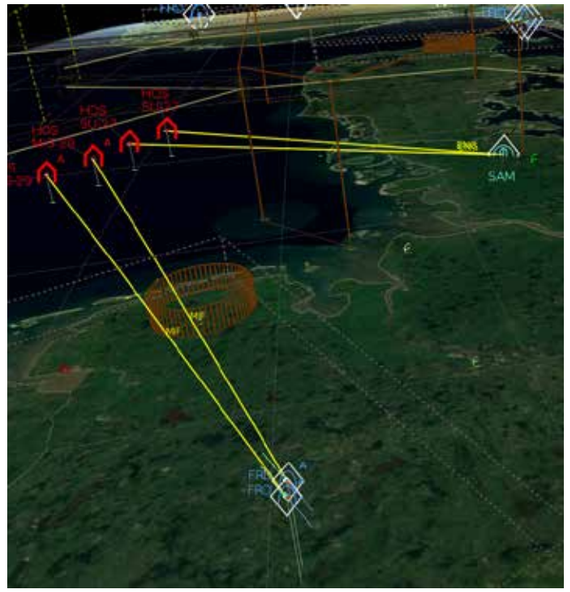


Operational View

Air Battle Management

Fortion® 1SkyControl enables coordinated operations of ground- and air-based weapon platforms:

- Weapon allocation
- Tactical control of military aircraft (fighters, tankers, etc.)
- Tactical control of ground-based air defence
- Threat evaluation and warning
- Automatic ACO/ATO processing



Weapons engagement coordination

Air Navigation Services

Fortion® 1SkyControl certifiable services provide:

- Aeronautical data management
- Automatic processing and correlation of flight plan information
- Management of airfield status and meteorological information
- NOTAM message management
- Short-term conflict alert
- 'Single European Sky' (SESAR) ready

Support Functions

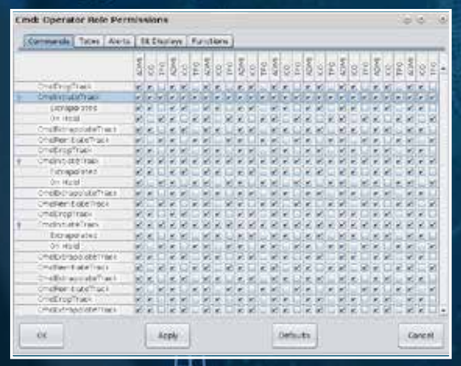
Fortion® 1SkyControl provides sophisticated functionalities:

- Self-administered customisation of role-based user interface
- Online hardware and software monitoring
- Advanced simulation and training capabilities
- Data recording, playback and analysis
- Sensor quality assessment and automatic error correction

Benefits

- One-stop-shop: Quick set-up, modular and scalable from a one laptop workplace up to a fully integrated operations centre with 50+ workstations (e.g. CRC, WOC)
- Highly accurate and very fast track initiation with automatic fusion of plot information received from multiple sensors
- Efficient use of human resources due to high degree of automation
- Fully integrated Tactical Data Links ensure secure, resilient data exchange and superior situational awareness at all times
- Multi-terminal capability provides country-wide Link 16 coverage
- Highly adaptable to operational needs without additional cost
- Interoperable with third party systems due to the use of standard protocols
- "Train as you Fight" - embedded simulation and training function enables fast onboarding

Customisable role-based user interface



Legend

ACO:	Air Control Order
ATM:	Air Traffic Management
ATO:	Air Task Order
COP:	Common Operational Picture
CRC:	Control and Reporting Centre
C2:	Command and Control
NM:	Nautical Mile
NOTAM:	Notice to Airmen
RAP:	Recognised Air Picture
SAM:	Surface-to-Air Missile
TDL:	Tactical Data Link
WOC:	Wing Operation Centre