



SAAB

EWOS ELECTRONIC WARFARE OPERATIONAL SUPPORT



IN-SERVICE OPERATIONAL SUPPORT TO EW SYSTEMS

Electronic Warfare Operational Support (EWOS) is the intellectual and practical provision of information and intelligence to provide in-service operational support to EW systems fitted to front-line platforms.

The complexity of modern EW systems places a greater emphasis on the supply of high quality and timely EW information in order to operate. If the information is of poor quality the EW system will operate poorly and in the case of a Defensive Aids System

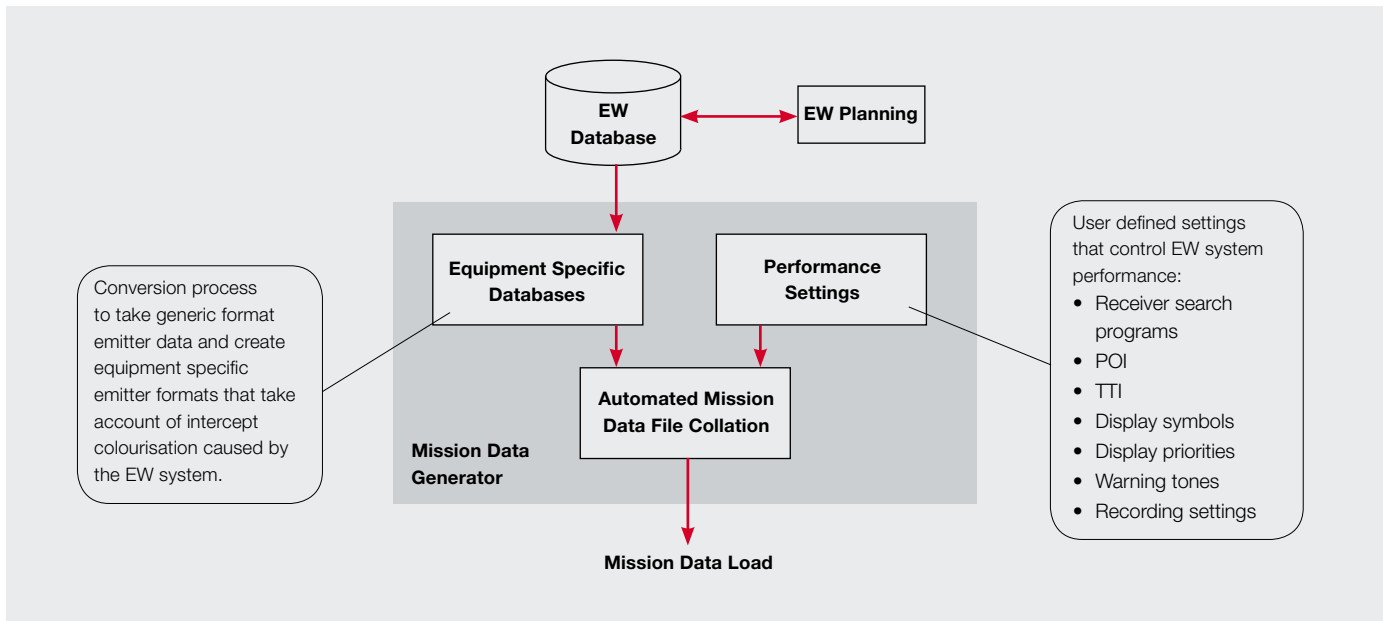
the platform and mission may be at risk. Saab in association with MASS can provide complete EWOS solutions including:

- Training
- Mission data production
- Data management
- Tactics and countermeasures
- development
- Specialist expertise
- Processes and procedures

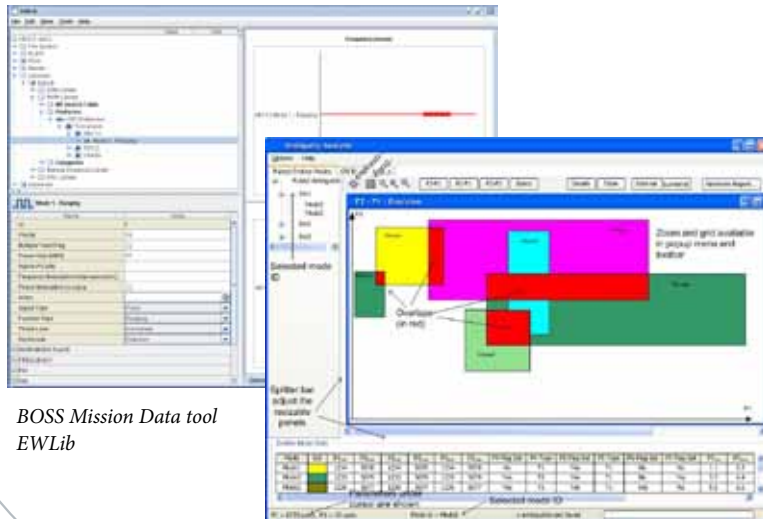
TRAINING

A trained and experienced workforce is the key to effective EWOS and successful mission data production. Saab and MASS can offer a unique combination of theoretical and practical training for your EWOS workforce in:

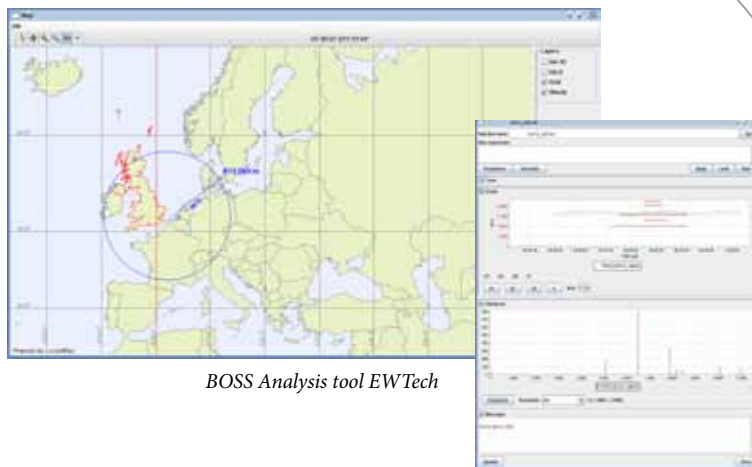
- Basic EW
- Advanced EW
- EWOS processes and procedures
- Data management
- Tactics and countermeasures
- development
- Mission data production
- EW specific equipment user training



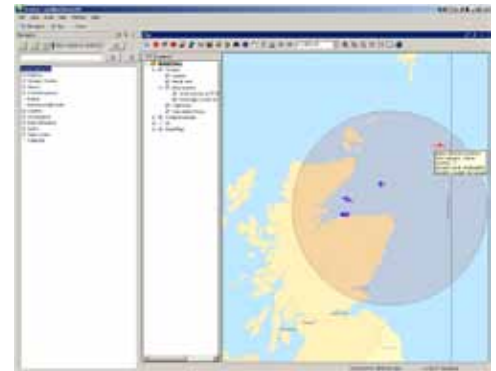
Mission Data Production



*BOSS Mission Data tool
EWLib*



BOSS Analysis tool EWTech



Horizontal situation view

MISSION DATA PRODUCTION

Modern EW systems demand high quality Mission Data (MD) in order to operate effectively. Saab offers BOSS, a leading edge MD generation and post mission analysis system.

BOSS is a state-of-the-art integrated EW support system for preparation and analysis of data for EW systems. MD generation and analysis of recorded data are performed in an intuitive windows based environment saving time and resources.

The BOSS modular design makes it highly adaptable to also handle third party Integrated Electronic Warfare Systems, RWR, ESM and Jammer systems. This allows EW-

organisations to use one library production system for library generation, analysis and data management of multiple EW target systems, which means saving scarce personnel resources and cost.

BOSS is a platform-independent Java application, consisting of two main applications, EWLib and EWTech.

EWLib supports the production of libraries to EW systems (mainly threat warning and passive-active countermeasures).

EWTech is a tool for advanced technical analysis of EW data recorded during missions, flight tests and mission simulations.

The Library generation facility and the comprehensive EW analysis capability within BOSS, give EW organisations the ability to be totally self sufficient and independent regarding EW-data.

Saab can also offer LIVES, Library Verification System, as part of BOSS.

Working together in a unique partnership Saab and MASS offer a full spectrum of support in MD production from supply of the generation software tool, post mission analysis to training and in situ technical expertise.

EW DATA MANAGEMENT

Effective EW data management is crucial to effective EWOS. The volumes of parametric data and intelligence to be managed and manipulated can be very high. Modern EW systems demand very effective data management which requires a cutting-edge EW Data Management System (EWDMS). The Saab/MASS team can provide you with Thurbon, the latest technology in EWDMS, combined with the BOSS tools to provide an end-to-end data management and production suite. Thurbon/BOSS can meet user requirements ranging from National Intelligence Database capability within an integrated EW Support Centre to smaller scale support based at the front line.

COUNTERMEASURES DEVELOPMENT

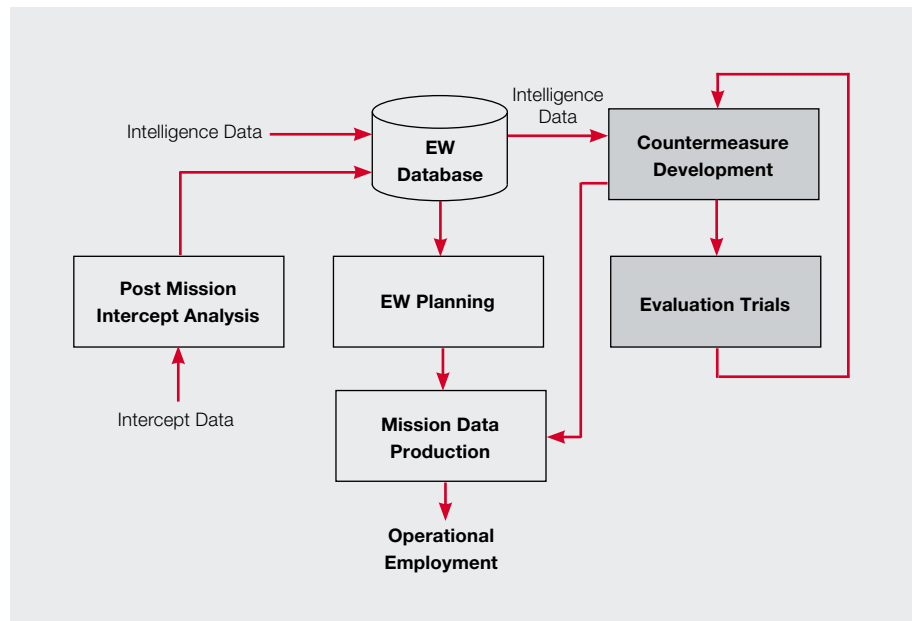
The key to successful platform and hence mission protection is the formulation of effective electronic countermeasures to threat weapon systems. MASS are experts in this field drawing upon a long and distinguished history of Countermeasures development for the UK armed forces. The MASS – Saab partnership can provide this specialism through training, on site expertise or turnkey countermeasure development.

SPECIALIST EXPERTISE

MASS and Saab have a long and successful history of supporting various customers around the world with specialist EW expertise. Major customers are the UK's Air Warfare Centre and the Swedish Electronic Warfare Operational Support Establishment. This expertise has been built up over a number of years from both industry and ex service personnel giving a rounded knowledge of all parts of EWOS from the operational to the theoretical applications. It can be utilised in the form of on site teams of experts or off site turnkey solutions. The flexibility is there to meet your specific EWOS requirements

PROCESSES AND PROCEDURES

In working throughout the EWOS life cycle for a number of years, MASS has developed unique processes and procedures to guide customers through the creation and running of an EW support centre. All areas of EWOS are covered and are already in use with key export customers.



Production workflow

SAAB'S PARTNER

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