

Workshop on National Security Operation Centres and Network Security



A workshop on National Security Operation Centres (SOC) and network Security was held at EUROCONTROL on 5 and 6 November 2013. The objectives of the workshop were:

- To share experiences on implementation and operation of national security operation centres;
- Identify possible way ahead for security governance and trust for the ATM network.

The network dimension in ATM is becoming more and more relevant and the on-going migration to ICT (information and communication technologies) will make ATM more efficient, but only if a sufficient level of security is implemented. Otherwise, the risks associated to the operational introduction of new concepts (e.g. 4 D trajectory), technologies and systems, will be too high as to guarantee required levels of safety and performance.

The workshop was conducted in a restricted environment, to guarantee confidentiality. Attendees represented organisations and authorities responsible for aviation security, the European Commission, EASA, ENISA, EDA, military, airlines associations, ANSPs, ICT providers, aeronautical industry, etc.

Discussions revolved around issues like:

- Where are we? Is cyber security well addressed in ATM?
- Are we ready for network enabled ATM operations?
- Are we implementing a harmonised security approach? Are ICAO – inter-regional – regional – State – local security provisions consistent?
- What is missing/what should be next?

The workshop counted on a brilliant panel of expert who briefed on different cyber security aspects covering: ANSP, Military, Airline Associations, Electricity Supply, European responses, ICT Industry and EUROCONTROL.

The key issue identified for further work is the implementation of a **Strategy for a secure ATM network**. This strategy should be based on:

- Awareness:
 - Education, awareness and training to create a **security culture**
 - Understand the threats; identify the risks
- Trust framework:
 - **Governance**; role of the States, e.g. National Security Operation Centres (SOCs)
 - Common Policies, e.g.:
 - Security under own control
 - Incident reporting and management
 - Agreed common harmonized Security Baseline
 - Enhanced Network security; central function for the ATM network security
 - Holistic security approach, avoiding security gaps
 - Understand inter-dependencies with other sectors, within and outside transport
 - Multi-Agency collaboration: active involvement and cooperation among all relevant organisations; EC, EASA, EDA, ENISA, NATO, ICAO, IATA, ECA, IFALPA, IFATCA, Aeron. Industry, EUROCONTROL, etc.

All participants agreed that it's time to DO and push for implementation oriented security, in order to establish a coherent and efficient security system for ATM.

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