ES2-WS03-10

Programme

Day 1 – 8 June 2010

0900 – 0930	Welcome and registration
0930 – 1030	Safety in the context of the Performance Scheme Regulation
1030 – 1100	Coffee break
1100 – 1230	Aerospace Performance Factor – introduction
1230 – 1345	Lunch
1345 – 1500	Understanding of APF and practical example
1500 – 1530	Coffee break
1530 – 1700	Construction of a mind map and weighting

Day 2 – 9 June 2010

0900 – 1030	Review of Day 1 mindmap and APF way forward
1030 – 1100	Coffee break
1100 – 1230	ASMT Project Objectives/Agreement
1230 – 1345	Lunch
1345 – 1500	ASMT Monitoring Programme Demonstration
1500 – 1530	Coffee break
1530 – 1630	ASMT Implementation on site - Results

Day 3 – 10 June 2010

ASMT User Group

Background notes to the Agenda

The safety regulatory framework is undergoing significant changes, and in particular the upcoming Performance Scheme will add new obligations for reporting and targets to ANSPs. It is important that this is well understood by all affected ANSPs and they are ready to work on it.

Several points will be briefly looked at during the introductory session of the workshop:

- Regulatory framework (SES, ESARRs) vs. Safety Monitoring function
  - Objective & Impact
  - Safety Performance in the context of SES2
  - Safety Monitoring vs. Safety Performance
  - Safety KPIs
- Automated Collection of Safety data: ASMT
  - ASMT Project
  - ASMT: Tool & Demonstration
  - ANSPs implementation and results
- Monitoring the Performance of Safety
  - Implementing a Safety Performance Plan
  - Assessing the KPIs
  - Aerospace Performance Factor (APF).

The workshop will continue with an APF session, where the participants will receive a full briefing on what is the APF, its potential uses, how it fits within the overall picture and will also see a few examples. The APF session has two interactive sessions, where participants will be required to make inputs.

NB: all participants must have a laptop with wireless internet access in order to participate in the interactive sessions. These will be used when and as instructed by the lecturers.

ASMT

ASMT is a tool for the detection, storage and off-line analysis of ATM safety occurrences. The latest version (3.1) includes seven (7) modules which process different kinds of events.
Those events can be organised into two categories: internal events calculated by ASMT logic and computed from the current air traffic situation and continuously updated with tracks and flight plans data and external events received from the Automated Data Processing System (ADPS), i.e. Surveillance Data Processing (SDP), Flight Data Processing (FDP), Safety Nets (SNET) and Radar Trackers:
- Proximity events - infringements of minimum separations between aircraft;
- short Term Conflict Alerts;
- Area Proximity Warning alerts for predicted infringement of segregated airspace;
- Mode S downlink messages of ACAS Resolution Advisory;
- Altitude Deviation - detection of aircraft which do not comply with the cleared flight level;
- Airspace Penetration - detection of unauthorised penetrations of a segregated airspace.
- Rate of Closure - Speed component of the relative velocity vector of two tracks.