Regional and Sub-regional Initiatives for Improved Weather Service Delivery to Aviation

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EUMETNET Aviation Support Programme

- Representing the aviation MET community at various European institutions, industry bodies, and stakeholders, and technical groups, undertaking lobbying and reporting activities on our behalf
- Coordinating R&D and deployment activities
- Identifying key areas for collaborative research and service provision for all our Members
- Fostering collaborative approach between states for joint deployment service provision and identifying risks and opportunities that may require change management and mitigation

NAMCON is the leading aviation meteorological service provider in Northern Europe, providing aviation meteorological services across Europe. NAMCON is a member of the European Federation of Meteorological Services (EUMETNET).

NAMCON from the Copenhagen Declaration (2011)

- Signed by NMS Directors from all 7 NAMCON States
- NAMCON cooperates on aviation weather matters between Nordic states
- Willingness to cooperate in production and development
- Agreed joint project– equal partners
- Consistency and high quality achieved through: Effective division of tasks without regard to national boundaries
- Minimising duplication
- Harmonised products
- Automated production with uncompromising quality
- Manual back-up production capabilities

Objectives achieved through collaboration and a shared vision

- Harmonisation of products, procedures and guidance material
- Joint production strategy and joint production (where feasible)
- Joint quality, competency assessment and compliance framework
- Cooperation in training and professional development
- Common Terminal Aerodrome Forecast (TAF) verification system
- Consolidated research & development

Main Challenges

- Resources from service and development needed with less staff and increased current operations
- Common for all aeronautical meteorological service providers in Europe: cost-efficiency and quality of aviation weather service
- Joint production strategy and joint production (where feasible)
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Immunisation, joint operations and shared tools

Aviation Advisory Council (AVAC)

- Expert-level cooperation, exchange of information and other initiatives in areas from EUMETNET
- Meeting annually at ICAO EURPAC ahead of WMO meeting

Coordinating European Aeronautical Meteorological Services

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The State of Aeronautical Meteorological Services (MET) in Europe

- In 87% of the 56 EUMETNET member countries the NMHS organisation provides the METO function, in 25% this is for the ATS organisation
- In only 15% of member states, ARO and ANM functions are being performed by the NMHS organisation
- There are many MET ANSPs with varying responsibilities and differing cost structures
- EUMETNET (a European intergovernmental organisation), DWD, Météo-France and NMA: a list of global models, some other national MET services run limited area models

Baseliner, joint operations and shared tools

Evolution of working hours spent to produce ICAO Annex 3: Evolution for Improved Weather Providers in 2017

Figure 1: Comparison of working hours spent to produce ICAO Annex 3 for Improved Weather Providers in 2017

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