ICAO Meteorology Panel

Peter Lechner
Chairman, Meteorology Panel (METP)
Single Meteorological Sky

- Aviation takes place in a single dynamic and often hazardous atmosphere.
- Meteorological phenomena know no political or State boundaries.
- The observation, modelling and prediction of the State of any multi-dimensional point in the atmosphere is a shared global endeavour.
States have co-operated across borders and political differences for over 100 years to understand and predict the weather.

Annex 3 to the Convention was the beginning of the civil aviation codification of that endeavour.

Annex 3 was a priority Annex in 1946.
Enduring Meteorological Mandate

- Civil aviation cannot be carried out in any part of the globe safely or efficiently without good meteorological information on actual and forecast conditions for departure, destination, and in-flight operations.

- States have co-operated and shared meteorological information for this purpose for more than 80 years and have formalised requirements and expectations through international convention and local legislation.

- The ICAO Meteorology Panel is a big step forward in co-operatively enhancing meteorological support for the contemporary and future civil aviation world, through engagement and integration with the GANP and ASBU methodology.
The Meteorology Panel (METP) was established (ANC 197-5) to define and elaborate concepts and to develop ICAO provisions for aeronautical meteorological (MET) services consistent with operational improvements envisioned by the Global Air Navigation Plan (GANP) (Doc 9750) and in keeping with the Working Arrangements between the International Civil Aviation Organization and the World Meteorological Organization.

The METP shall collaboratively determine operational requirements for aeronautical MET service provision as an enabling function for a future globally interoperable air traffic management system and identify solutions, in coordination with WMO, to effectively and efficiently fulfil the requirements through sound scientific and/or technological capabilities.
The Smiling Faces of Met Panel 1

- 17 members foundation invited expert members.
- 24 Advisers and Observers.
- Secretariat – Neil Halsey, Raul Romero
Agenda

Simple Agenda but a big job

• Officers
• Structure
• Work Programme
• Co-ordination with other Panels
• Other business
Decisions and Agreements

- Chair and Vice Chair elected.
- SADIS – Termination of satellite broadcast.
- Operations/Study Groups to be subsumed into new working groups (will be recommended to ANC).
- 4 initial working groups.
- Rapporteurs assigned to working groups.
- Job cards developed (will be recommended to ANC).
- Tasks and deliverables developed
Responsibilities

Chairman, Vice Chairman
- Peter Lechner, Bill Maynard

Working Groups – Rapporteurs and supporting Deputies

1. MRI - Requirements and Integration
   - Dennis Hart, Jun Ryuzaki - plus 12

2. MISD - Information and Service Development
   - Richard Heuwinkel, CM Shun - plus 12

3. MIE - Information Exchange
   - Sue O’Rourke, Bill Maynard - plus 11

4. MOG - Operations Group
   - Colin Hord - plus 9
Proposed Job Cards

Arising from Meteorology Divisional Meeting July 2015:

1. AMHS Testing
2. Block 2 components
3. Air Traffic Management requirements
4. Volcanic Ash systems enhancement
5. MET SWIM requirements
6. PANS-MET development
7. Radiation systems development
8. Regional Hazardous Weather
9. SADIS and associated development
10. Space Weather systems development
11. World Area forecast system enhancement
12. Cost Recovery guidance development (from METPanel)
Legacy Tasks

- IAVWOPS Group
- WAFSOPS Group
- AMOF Study Group
- MET Warnings Study Group
- SADISOPS Group
- MARIE Project Team
Work Allocation

- Whole and partial job card allocation to working groups (Job cards 1 – 11).
- Migration of legacy work in progress from operations groups to working groups.
- Defined Workstreams allocated within Working Groups
- Job Card 12 – Chairman + 2 experts.
- Panel oversight and management.
Meetings Matrix

- Complex areas of work
- Wide-ranging set of objectives
- Good intra-Panel communications and collaboration.
- Meeting matrix being developed
- MET Panel to meet at least every 2 years – engaging with amendment cycle.
Commitment

- Increased expectation of Panel members
- Increased accountability of Panel members
- Robust collaboration
- Limited resources
- Tighter time-frames
- Optimization of meetings
- Increased use of virtual communications
- Results orientation
- Continuing highly professional approach
Assurance

• Many of the members of the Met Panel have worked well together for many years.
• New expert members fitting well into the work.
• Continuing high level of professional collaboration and cooperation and progress can be expected by the ANC and Council.