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# MET/ATM Seminar Report

Bangkok, Thailand, 22 April 2024





# Participation

- 189 in-person participants from 23 Administrations and 4 International organizations
- 43 online participants from 13 Administrations and 1 International organization





# Presentations

- 11 presentations in 3 categories

ICAO Provisions

National  
Initiatives

International  
Initiatives

- Presented by 10 delegates from 7 States/Administrations





# ICAO Provisions

- SP/01 “Updates to ICAO Provisions”  
by Mr. Peter Dunda (ICAO)
  - Recap on current and proposed amendments to Annex 3 Provisions
  - Transition to digital MET to support SWIM and future trends of ICAO’s GANP
  - Envisaged applicability schedule of PfAs to Annex 3





# ICAO Provisions

- SP/02 “Terrain and Obstacle Clearance and Cold Temperature Correction”  
by Mr. Rick Taylor (IFATCA)
  - Phenomena of height error for barometric altimeter in low temperature and the associated risk.
  - Focus area to work upon to ensure safe conduct of flights





# National Initiatives

- SP/03 “CAAC MET Service to Support ATM Operations”  
by Mr. Junpeng Wen (China)
  - 3 Level MET Services organizations
  - ATM-tailored MET Information and Services
  - Information dissemination and QMS





# National Initiatives

- SP/04 “Coordination Challenges between MET and ATM in Pacific Island”

by Mr. Ashwin Naidu (Australia) \*on behalf of Kiribati

- Challenges faces by Kiribati and other Pacific Island states
- Kiribati’s way forward in MET services





# National Initiatives

- SP/05 “Collaborative Network Management”  
by Mr. Simon Godsmark & Mr. Ashwin Naidu (Australia)
  - Collaboration to balance demand with available capacity across the network
  - New tool “Digital Twin” to assist in strategic planning





# National Initiatives

- SP/06 “Meteorological Challenges in Support of Air Traffic Control (ATC) Decision-making”  
by Mr. Ben Annells (Australia)
  - Met CDM in 4 busiest Australian airports
  - Pre-tactical forecast weather information and tactical advice





# National Initiatives

- SP/07 “Case Study: MET Information and Services to Support ATM – Adverse Weather over the Aerodromes”  
by Mr. Yamakawa Kenichi & Mr. Kenji Uchida (Japan)
  - Importance of cooperation between ATM and MET to maximize efficiency
  - Concerted effort between MET & ATM is key to effective ATC in adverse weather conditions





# National Initiatives

- SP/08 “Verification and Enhancement of Impact-based MET Information to Support ATM Operations”  
by Mr. Yamakawa Kenichi & Mr. Kenji Uchida (Japan)
  - Understand the mechanism of weather impacts on ATM
  - Identify appropriate indicators to evaluate the impact on ATM





# National Initiatives

- SP/09 “Development of Probabilistic Forecast Products Supporting ATM”

by Mr. Chan Yan Chun, Ira (Hong Kong China)

- Probability table for airport stakeholders including ATFM users, airlines and airport operator
- Guidance on weather elements affecting landing capability up to 24hours ahead





# International Initiatives

- SP/10 “Regional Operation Support - CADENA”  
by Ms. Midori Tanino (United States)
  - CADENA OIS provides templates and guidance material for coordination
  - CADENCE under CANSO Global OIS for world-wide information sharing





# International Initiatives

- SP/11 “Space Weather Services”  
by Mr. Ashwin Naidu (Australia)
  - Space weather affect safe conduct of flight in terms of negative impact to navigation and communication systems
  - Global space weather advisory as per Annex 3 and Doc 10100





# Interactions

- Total 51 questions are collected through Pigeonhole app
- 37 questions were answered or responded during the seminar
- 14 questions forward to presenters for response





# Conclusions

- Acknowledge the close relationship between MET services and ATM especially for ATFM
- Strengthen the cooperation to develop MET service product for ATM decision making





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# Action by the Meeting

1. To note the outcome of the MET/ATM Seminar.
2. To discuss any related items.



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and Caribbean  
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Central African  
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North Atlantic  
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Southern African  
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THANK YOU