

New Zealand Aviation Meteorology Symposium 2

Notice dated 15 June 2018

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Meeting Proposed

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|--------|-----------------|-------|-----------|
| Date: | O3 October 2018 | Time: | 0830-1700 |
| Venue: | CAA Wellington | Host | CAA NZ |

Objective

To better support the dynamism of aviation in the region, through a regular aviation MET industry meeting where the users, providers, and regulators can come together to co-ordinate and collaborate efforts with the objective of ensuring what is done, and what is developed, is optimal, responsive, and sustainable.

Draft Agenda

| # | Item | Covering | Presenter |
|----|--|---|---|
| 1. | Opening and Introductions | <ul style="list-style-type: none">Opening RemarksMeeting ObjectivesRound table introductions and expectations | Graeme Harris Peter Lechner CAA |
| 2. | Open Actions - Status | <ul style="list-style-type: none">Review of all open actions (refer Appendix 1)Note actions reported in agendaClose actions where agreed | Peter Lechner CAA |
| 3. | Pacific Update | <ul style="list-style-type: none">Feedback on strategy discussions (Action 01/17)Review of various Pacific initiativesRHWAC developments | TBA MetService Peter Lechner CAA |
| 4. | International meteorological (MET) system developments and progress. | <ul style="list-style-type: none">Meteorological Component of the Dec 2017 ICAO Global Air Navigation Information System (GANIS) symposiumGlobal Space Weather Information (SWX) system implementationIWXXM – TAC SituationRegional MET co-ordination and developments including VOLCEXSO2 Developments | Peter Lechner Keith Mackersy CAA |
| 5. | MetService overview and new product review | <ul style="list-style-type: none">Brief outline of recent MetService developments including GNZSIGWX, GRAFOR and AAW (Action 01/02)Resilience programme WN/AKGraphical developments including airport weather risksAirport MET CDM (Action 01/09)VAAC Back-up status | Kevin Alder Paula Acethorp Ray Thorpe MetService |
| 6. | Airways overview | <ul style="list-style-type: none">Progress on new surveillance systemTower automation developmentsComms changes – AMHSMET/ATM CDMIFIS MET developments | TBA Airways |
| 7. | Airports overview | <ul style="list-style-type: none">Developing airport MET requirementsCollaborative development systems | TBA NZAA |
| 8. | RNZAF overview (to be confirmed) | <ul style="list-style-type: none">Current situationFuture MET requirements | TBA RNZAF |
| 9. | Australian | <ul style="list-style-type: none">New products | TBA BoM |

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| | perspectives | <ul style="list-style-type: none"> • Embedded MET experience • Aust/NZ collaboration | |
| 10. | NZ MET Regulatory Matters | <ul style="list-style-type: none"> • Operator responsibilities for obtaining MET from certificated organisation – developing perspectives | Peter Lechner CAA |
| 11. | Establishing clear base-line MET | <ul style="list-style-type: none"> • New contract arrangements (Action 01/06) • Funding strategy and direction | Peter Lechner CAA TBA MetService |
| 12. | Airlines | <ul style="list-style-type: none"> • Parallel Panel discussion • Review of existing MET products and benefits. • Ideas on new MET products and benefits including support for ultra long-haul | Airline Chair |
| 13. | GA/Training | <ul style="list-style-type: none"> • Parallel Panel discussion • Review of existing MET products and benefits. • Ideas on new MET products and benefits | GA Chair |
| 14. | Report Back | <ul style="list-style-type: none"> • From Panel discussions | All |
| 15. | Review | <ul style="list-style-type: none"> • Issues - identified • Actions - allocated | Peter Lechner CAA |
| 16. | Future Meeting structure | <ul style="list-style-type: none"> • Meeting management, next meeting, governance | Peter Lechner CAA |

Appendix 1 – Consolidated Actions and Decisions from 2017 MET Symposium

| Mtg | Action / Decision | Description and comment | State | Who/Lead | When |
|-----|-------------------|---|---------|-----------------------|-----------------|
| 1 | 01 | Amend the objective of the Symposium to take a regional view, not just New Zealand. Agreed by meeting. | Closed! | CAA | This report |
| 1 | 02 | Continue with the development of the GA graphical and ARFOR Sit Brief products, with user testing | Open | MetService | Report Mar 2018 |
| 1 | 03 | Investigate the provision of enhanced verification of existing MET products (this may mean at least the provision of PODs and FARs for all domestic aerodromes) – using latest satellite and IT potentials. | Open | MetService | Report Mar 2018 |
| 1 | 04 | Investigate the provision of MET data to 3 rd party App providers such as Oz Runways and AvPlan so these products can provide information that has full Met integrity from authoritative source(s) | Open | MetService & Airways | Report Mar 2018 |
| 1 | 05 | Develop a TAF provision policy based on aerodrome usage and demand – with a view to spreading limited AWS capacity (and METAR AUTO production) in a collaborative and considered fashion. Note the BoM work in this area. | Open | MetService | Report Mar 2018 |
| 1 | 06 | Develop, for consultation, a new air navigation based MET charging model in conjunction with Airways, using ICAO/IATA guidelines and in close liaison with CAA. | Open | MetService | Report Mar 2018 |
| 1 | 07 | Investigate and implement if possible access to Fiji Airways AMDAR. | Open | MetService | Report Mar 2018 |
| 1 | 08 | Investigate the potential implementation and costs of meteorologist direct link to airport/ATM/airline operations. | Open | MetService | Report Mar 2018 |
| 1 | 09 | Work with aerodromes to implement key MET input into A-CDM. To include runway condition and radar scanning concepts and costing. | Open | MetService | Report Mar 2018 |
| 1 | 10 | Promote possible usage of pending ADS-B or other technology to move MET data to/from aircraft. Noted that this may be difficult with current ADS-B bandwidth availability. | Open | CAA | Report Mar 2018 |
| 1 | 11 | Maintain watch on ICAO development of new Terminal Area Forecast approach to support TBO. | Open | CAA | Report Mar 2018 |
| 1 | 12 | Improve verification and reporting from Vanuatu's Volcano Observatory working with GNS Sciences and BoM | Open | MetService | Report Mar 2018 |
| 1 | 14 | Investigate the modification of weather radar scanning patterns (e.g. low levels first) to provide useful data to Airways (and others) quickly. | Open | MetService & Airways | Report Mar 2018 |
| 1 | 15 | Continue to develop ash concentration model for DARWIN and Wellington VAACs in close association with the WMO VABP and ICAO METP. Noted that an ICAO requirement is a number of years away. | Open | BoM & MetService | Report Mar 2018 |
| 1 | 16 | Implement a programme of investigation into the probable MET requirements of UAV/RPAS including low-level smaller craft through to unmanned heavy metal aircraft (eg B747 freighters) at cruising levels. | Open | BoM & MetService | Report Mar 2018 |
| 1 | 17 | Develop a Pacific Island assistance strategy to improve the provision of MET products from the region. | Open | CAA, BoM & MetService | Report Mar 2018 |
| 1 | 18 | Review the utility of TREND in context of operator need for short term forecast window on probable aerodrome conditions – noting the recent work completed by BoM in this regard | Open | CAA, MetService | Report Mar 2018 |
| 1 | 19 | Ensure that the various development programmes, including NSS, address the issues of IWXXM data storage and distribution within the SWIM environment – drawing on overseas developments and testing within the ICAO gambit. | Open | CAA | Report Mar 2018 |

