



WORKING PAPER

INTERNATIONAL VOLCANIC ASH TASK FORCE (IVATF)

FIRST MEETING

Montreal, Canada, 27 to 30 July 2010

Agenda Item 2: Organizational matters

2.2: Adoption of the agenda

PROVISIONAL AGENDA

(Presented by the Secretary)

Agenda Item 1: Opening of the meeting

Agenda Item 2: Organizational matters

- 2.1: Adoption of working arrangements
- 2.2: Adoption of the agenda
- 2.3 Establishment of Task Force sub-groups

Agenda Item 3: Results of the EUR/NAT VATF Meetings (Plenary)

- 3.1 Evaluation of the Eyjafjallajökull eruption and lesson learned
- 3.2 Revision of existing guidance on volcanic ash contingency plans
- 3.3 EUR/NAT VATF 1st Meeting Report
- 3.4 EUR/NAT VATF 2nd Meeting Report
- 3.5 Follow-up action including recommendations

Agenda Item 4: Review of operational response to volcanic ash aircraft encounter and notification and warning for VA (ATM sub-group)

- 4.1: Assessment of current contingency procedures and reporting criteria to detect and mitigate risk
- 4.2 Assessment of existing notification and warning procedures

Agenda Item 5: Development of ash concentration thresholds (AIR sub-group)

- 5.1: Development of acceptable level(s) of ash concentration for safe aircraft operations in airspace contaminated by volcanic ash
- 5.2 Establishment of regulatory provisions

Agenda Item 6: Improvement of ash detection/avoidance systems (Science sub-group)

- 6.1: Ways and means to improve ground ash detection systems
- 6.2 Ways and means to improve airborne ash detection/avoidance systems
- 6.3 Ways and means to improve space-based ash detection systems

Agenda Item 7: Improvement and harmonization of dispersion models and their visual presentation (IAVW Coordination Group)

- 7.1 Need for additional work on dispersion models
- 7.2 Need for further refinement of current visual VAAC products.

Agenda Item 8: Future work programme

Agenda Item 9: Any other business

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APPENDIX

EXPLANATORY NOTES ON THE AGENDA

Agenda Item 1: Opening of the meeting

Self-explanatory.

Agenda Item 2: Organizational matters

The group is expected to adopt working arrangements and the agenda for the meeting.

Agenda Item 3: Results of the EUR/NAT VATF Meetings (Plenary)

The Secretariat will provide the TF with the reports of the EUR/NAT VATF 1 and 2 Meetings. After a chronological evaluation of the Eyjafjallajökull eruption and by reviewing existing IAVW guidance material and volcanic ash contingency plans, it is expected that the TF will discuss the reaction to the event by various stakeholders. Based on the lessons learned the TF will identify issues and propose recommendations to address them.

To this end the TF will review the guidance material in the *Handbook on the International Airways Volcano Watch (IAVW) — Operational Procedures and Contact List* (Doc 9766), the *Manual on Volcanic Ash, Radioactive Material and Toxic Chemical Clouds* (Doc 9691) and the Volcanic Ash Contingency Plan-EUR Region (EUR Doc 019) and the North Atlantic Volcanic Ash Contingency Plan (NAT Doc 006).

Agenda Item 4: Review of operational response to volcanic ash aircraft encounter and notification and warning for VA (ATM sub-group)

The TF will undertake a review of the IAVW-related procedures and reporting criteria with the aim to identify ATC procedures which need to be updated, together with an assessment for the need of guidance for information sharing and decision making.

Agenda Item 5: Development of ash concentration thresholds (AIR sub-group)

The TF is expected to be provided, by industry (aircraft and engine manufacturers), with information regarding acceptable levels of ash concentration for safe aircraft operations in contaminated airspace. It is also expected that these levels be supported by scientific evidence. If the acceptable levels are identified and agreed the TF will identify provisions required to be developed for various types of operations.

Agenda Item 6: Improvement of ash detection/avoidance systems (Science sub-group)

Under this agenda item, the TF is tasked to make proposals for the determination of ways and means to improve ground ash detection systems, airborne ash detection/avoidance systems and space-based ash detection systems. If possible, the TF should identify technologies and recommend system requirements for ground, airborne and space based systems to ensure that full advantage may be taken of such technologies to maintain and improve safety.

Agenda Item 7: Improvement and harmonization of dispersion models and their visual presentation (IAVW Coordination Group).

Under this agenda item, the TF will identify any additional work related to the improvement and harmonization of dispersion models (including eruption source parameters) required to be undertaken by the IAVWOPSG with the aim of online availability of centralized and harmonized VAAC forecast.

The TF will also discuss the need for additional work to refine the existing VAG charts in PNG format, with the view of mapping areas of ash contamination according to levels of ash concentration and if necessary propose updated model charts.

Agenda Item 8: Future work programme

The group will establish its work programme in the light of the results of the meeting.

Agenda Item 9: Any other business

In addition to any other business which may be raised by members, the group is expected to decide the venue and approximate dates for the next meeting.

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