



International Civil Aviation Organization

**SIXTEENTH MEETING OF THE  
COMMUNICATIONS/NAVIGATION/SURVEILLANCE AND  
METEOROLOGY SUB-GROUP (CNS/MET SG/16) OF APANPIRG**

Bangkok, Thailand, 23 – 27 July 2012

**Agenda Item 9: Regional Implementation of International Airways Volcano Watch (IAVW)**

**DARWIN VAAC REPORT**

(Presented by Australia)

**SUMMARY**

This paper presents the Darwin Volcanic Ash Advisory Centre (VAAC) Report for the period 1 July 2011 to 30 June 2012.

This paper relates to –

**Strategic Objectives:**

**A: Safety** - *Enhance global civil aviation safety*

**C: Environmental Protection and Sustainable Development of Air Transport** - *Foster harmonized and economically viable development of international civil aviation that does not unduly harm the environment*

**Global Plan Initiatives:**

GPI-19 Meteorological Systems

**1. Introduction**

1.1 The Darwin VAAC covers the area from the Andaman Islands (India) eastwards to the Solomon Islands, and includes the volcanically active Indonesian archipelago, Papua New Guinea and the southern Philippines. Overall, more than 150 active volcanoes lie in the area. The region has poor communications and general infrastructure, incomplete volcanic monitoring and is characterised by moist tropical convection that makes remote sensing difficult for much of the year.

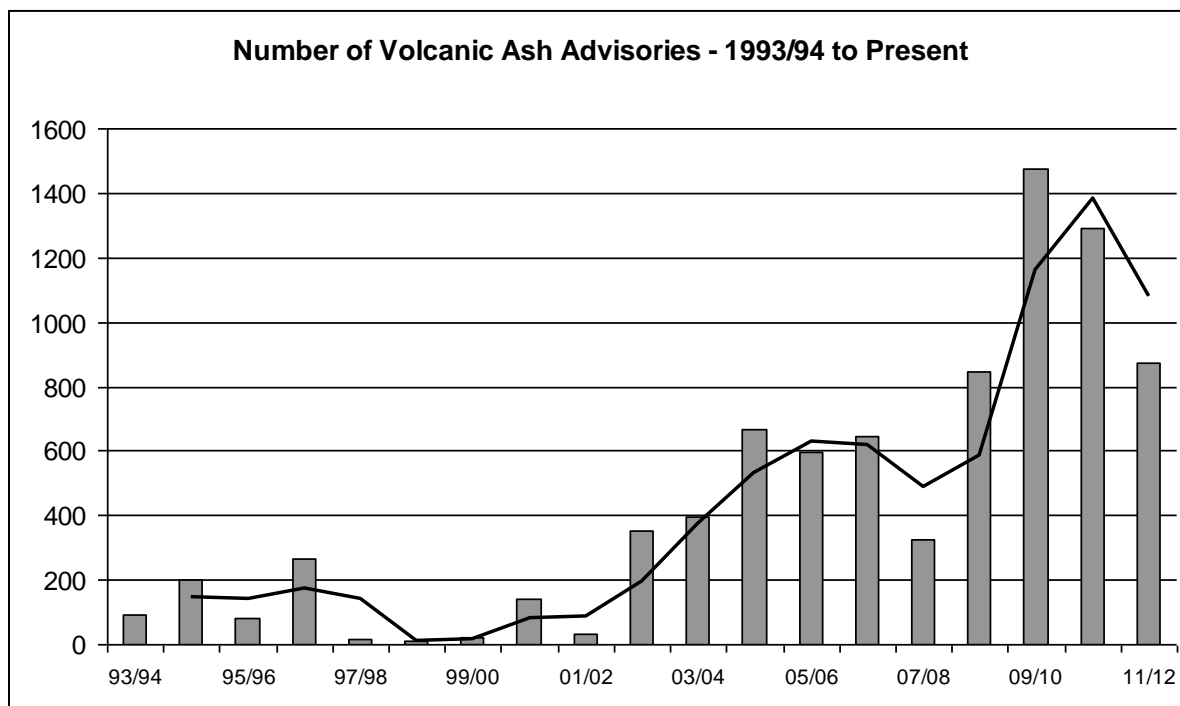
1.2 Over the past year the VAAC has continued progress towards improving the implementation of the International Airways Volcano Watch in the region, through ongoing engagement with volcano observatories, meteorological agencies, airlines and the scientific community.

**2. VAAC Operations**

2.1 A total of 871 Volcanic Ash Advisories were issued by Darwin VAAC from 1 July 2011 to 30 June 2012 (2011/12). The most significant ash event within the Darwin VAAC area for this period was the eruption of the Chilean volcano Puyehue-Cordón Caulle. Ash from this event, which began in June 2011, continued to affect the VAAC region until early July 2011 and resulted in 30 advisories and 26 SIGMETs being issued by the VAAC.

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*Figure 1 - Total Volcanic Ash Advisories by year from Darwin VAAC. Solid line is the two-year moving average.*

2.2 The number of advisories for the 2011/12 year indicates an approximately 32 % decrease in activity compared with 2010/11. One main factor responsible for this reduction has been the decline in activity from historically active volcanoes in the region, such as Merapi and Rabaul. A second contributor has been the relative cloudiness of the VAAC area of responsibility owing to the climatic effects of La Nina, which makes satellite based detection of volcanic ash more difficult due to obscuration by meteorological cloud.

2.3 Advisories were dominated by low-level ash plumes detected on satellite imagery. Figure 2 shows the number of Volcanic Ash Advisories issued, by volcano, for the year 2011/12. Two highly active volcanoes, Batu Tara in the Flores Sea and Dukono on Halmahera Island, were responsible for 75 % of the advisories issued. Despite high levels of activity, these volcanoes are yet to produce a verified eruption above 20,000 ft.

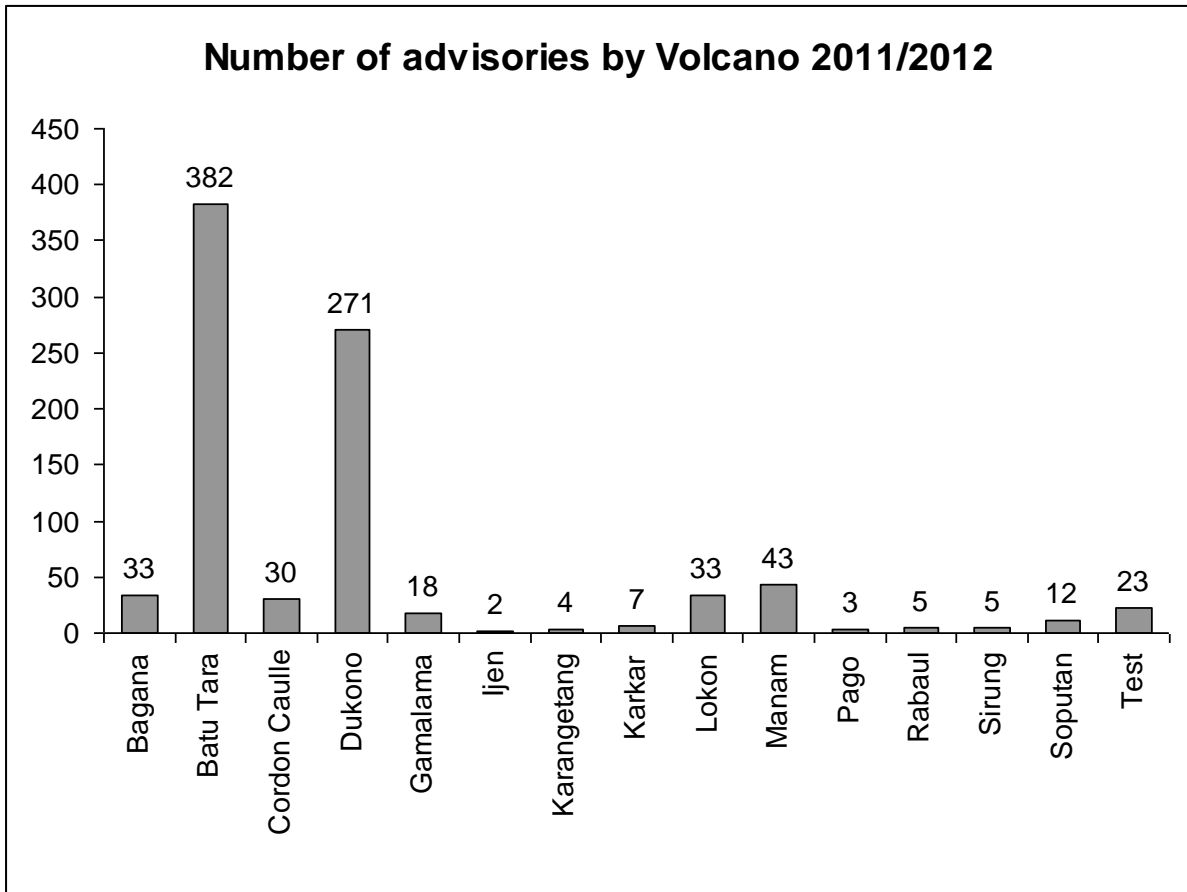


Figure 2 – Number of Volcanic Ash Advisories by Volcano for the Year 2011/12

### 3. VAAC Backup

3.1 Significant progress has been made regarding the provision of operational backup services as specified by the Handbook of the International Airways Volcano Watch (IAVW) – Appendix D (ICAO Doc 9766). Currently Darwin VAAC has operational procedures in place to provide backup services to both Tokyo VAAC and Wellington VAAC, with primary backup being provided to Darwin VAAC by the Australian Bureau of Meteorology’s National Meteorological and Oceanographic Centre (NMOC) in Melbourne and secondary backup provided by the Tokyo VAAC. The Darwin VAAC are transitioning to having primary backup provided by Tokyo VAAC for the area north of latitude 20°S, and primary backup for the area south of latitude 20°S provided by Wellington VAAC.

3.2 The Darwin - Tokyo VAAC backup procedures are given in **Appendix A** and include an explanation of situations that may require a handover to the backup VAAC and the actions that need to be taken.

3.3 Regular testing of operations under backup arrangements is important to ensure that personnel have practice in operating in this manner and to also ensure that message preparation and dissemination is correct. A test of the backup arrangement with Tokyo VAAC was conducted on the 18th January 2012. The test identified a number of operationally significant matters, details of which can be found in OPMET/M TF/10 WP/13. Follow-up testing is scheduled to be conducted in September 2012, with an internal test scheduled in August 2012.

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3.4 The Darwin – Tokyo backup test procedures are included in **Appendix B**.

3.5 The backup procedures now need to be extended to include Wellington VAAC. The meeting may consider adopting the following draft Decision:

**Draft Decision 16/x – VAAC Backup Procedures**

That the CNS/MET Sub-group consider further development of the:

- a) VAAC Backup Procedures to include Tokyo, Wellington and Darwin VAACs.
- b) Procedures for VAAC Backup Tests to include Tokyo, Wellington and Darwin VAACs and include these procedures in the Asia/Pacific SIGMET Guide.

**4. IAVTF**

4.1 Following the eruptions of Eyjafjallajokull in Iceland and subsequent air traffic disruption over Europe, the International Volcanic Ash Task Force (IAVTF) was established. Since its inception the Darwin VAAC has been an active contributor to the proceedings to the IAVTF. Of the recommendations that have emerged from this process, the Darwin VAAC would like to highlight the following as being of particular regional importance:

- a) IVATF/4 Recommendation 4/9: Concerning volcanic ash observations and the communication channels between VAACs and States with active volcanoes;
- b) IVATF/4 Recommendation 4/15: Concerning the Air Traffic Management Volcanic Ash Contingency Plan template and its use in preparing regional volcanic ash contingency plans; and
- c) IVATF/4 Recommendation 4/24: Concerning the roles of VAA, VA SIGMET and NOTAM in relation to the IAVTF.

**5. Action by the Meeting**

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) discuss any relevant matters as appropriate; and
- c) consider the adoption of the related Decision.

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## **APPENDIX A – VAAC BACKUP PROCEDURES**

### **A.1 Situations in which Backup Procedures should be considered:**

Situations that may require VAAC responsibilities to be handed over to the backup partner include:

- Insufficient VAAC staff resources are available to adequately perform VAAC duties;
- VAAC forecasters are unable to access the information required to adequately monitor any volcanic activity;
- The VAAC is unable to generate VAAs;
- The VAAC is unable to disseminate VAAs;
- The VAAC is under threat from an event that may limit its ability to properly perform its functions in the near future;
- During any other situation where the VAAC Shift Supervisor considers the VAAC is unable to properly perform its functions.

### **A.2 Actions to be taken by Routine VAAC to initiate handover to Backup VAAC:**

1. The VAAC Shift Supervisor will request backup from Backup VAAC using the VAAC contact details contained within IAVW Handbook (ICAO Doc. 9766) Table 4-2. Requests are to be made using the following media in this order:
  - a. Fax;
  - b. Telephone;
  - c. Email.
2. Using the appropriate communications proforma included in Attachment 1, provide detailed information regarding:
  - a. Expected duration and nature of outage;
  - b. Current Volcanic Ash Advisories including:
    - i. Volcano names;
    - ii. Next routine issue times;
    - iii. Sequence number;
    - iv. What has been observed on satellite imagery;
    - v. What other reports have been received e.g. Volcanological Agency Reports, AIREPs, ASHTAMs, SIGMETs, phone calls or emails;
    - vi. Forecast strategy and expected developments.
  - c. Other volcanoes of interest including:
    - i. Any volcanoes for which an imminent eruption has been forecast;
    - ii. Any volcanoes exhibiting elevated levels of activity;
    - iii. Any recent volcanic activity reports received.
3. If possible, provide via email or fax, any information other than listed above that is not currently available to the Backup VAAC;
4. Maintain a written logbook of actions taken for the duration of the backup service.

### **A.3 Actions to be taken by the Backup VAAC upon receipt of a backup request:**

1. Commence satellite monitoring for the Routine VAAC;
2. Send a confirmation message using the appropriate communications proforma in Attachment 1, indicating whether operational backup for the Routine VAAC is able to be commenced;
3. Continue routine satellite monitoring and issue VAA as required to AFTN addresses as per Attachment 3;
4. Send VAA to external users advising of the outage and advising Backup VAAC contact details as per appropriate VAA example in Attachment 2;

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5. Advise volcanological agencies that new information should be sent directly to the Backup VAAC;
6. Maintain a written logbook of actions taken for the duration of the backup service.

**A.4 Actions to be taken by Routine VAAC to resume normal operations:**

1. Commence satellite monitoring for the Routine VAAC;
2. Send a notification of intent to resume normal operations to the Backup VAAC, using the appropriate communications proforma in Attachment 1;
3. Upon receipt of confirmation from the Backup VAAC, continue routine satellite monitoring and issue VAA as required to AFTN addresses as per Attachment 3;
4. Issue VAA to external users advising of the resumption of normal operations by the Routine VAAC as per appropriate VAA example in Attachment 2;
5. Advise volcanological agencies that information should now be sent directly to the Routine VAAC;
6. Prepare an event report summarising the significant actions and any other relevant information contained within the logbooks of the Backup VAAC and Routine VAAC.

**A.5 Actions to be taken by Backup VAAC upon receipt of intent to resume normal operations notification from the Routine VAAC:**

1. Send a confirmation receipt for the intent to resume normal operations notification, using the appropriate communications proforma in Attachment 1;
2. Using the appropriate communications proforma in Attachment 1, provide detailed information regarding:
  - a. Details of current Volcanic Ash Advisories including:
    - i. Volcano names;
    - ii. Next routine issue times;
    - iii. Sequence number;
    - iv. What has been observed on satellite imagery ;
    - v. What other reports have been received e.g. Volcanological Agency Reports, AIREPs, ASHTAMs, SIGMETs, phone calls or emails;
    - vi. Current forecast strategy and expected developments;
  - b. Other volcanoes of interest including:
    - i. Any volcanoes for which an imminent eruption has been forecast;
    - ii. Any volcanoes exhibiting elevated levels of activity;
    - iii. Any recent volcanic activity reports received;
3. Provide the Routine VAAC with copies of logbooks created by the Backup VAAC during the backup event;
4. Cease routine satellite monitoring for the Routine VAAC.

## **APPENDIX B – VAAC BACKUP TEST PROCEDURES**

The VAACs Darwin and Tokyo will conduct testing of operational backup capability as per Appendix D of IAVW Handbook (ICAO Doc. 9766). Testing will occur at a date set by both VAACs and in conjunction with the Asia/Pacific Regional OPMET Databanks (RODBs) and ICAO. An ICAO State Letter will be issued prior to the trial setting out the test schedule and procedures. Testing should occur at an interval of no more than 12 months. The duration of the Backup Test will be no greater than two hours and dates/times for testing will be chosen so as to minimise operational impacts and avoid interruption of issuing VAA for ongoing eruptions.

### **Backup Test Procedures:**

**B.1** At a mutually set time (**T**) the VAAC Darwin will request backup services from the VAAC Tokyo using the procedures detailed in Appendix A. The appropriate communications proforma will be used, however all fields will be left blank apart from inserting 'TEST ONLY' into the comments section.

The VAAC Tokyo will confirm receipt of the request, using the appropriate communications proforma, commence routine satellite monitoring for the VAAC Darwin's area of responsibility and issue a test VAA to external users as per appropriate VAA example in Attachment 2, using AFTN addresses as per Attachment 3.

At **T + 30min** the VAAC Darwin will send a notification of intent to resume normal operations to the VAAC Tokyo, using the appropriate communications proforma in Attachment 1.

The VAAC Tokyo will then send a receipt confirmation for the intent to resume normal operations notification, using the appropriate communications proforma in Attachment 1 and cease routine monitoring of satellite imagery for the VAAC Darwin's area of responsibility.

**B.2** At **T + 60min** the procedures detailed in Appendix B.1 will be repeated, though with the VAAC Tokyo requesting backup from the VAAC Darwin.

**B.3** At **T + 120min** the test will be terminated.

**B.4** During the test each VAAC will maintain a logbook of events and will provide the other VAAC with a copy. Both VAACs will also prepare a joint report on the test.

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## ATTACHMENT 1A

Fax form from VAAC Darwin for backup operation  
VAAC Darwin からバックアップ運用を依頼・終了する際の FAX 書式

Date/Time \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ UTC

TO: VAAC TOKYO  
FAX: +81-3-3212-6446

FROM: VAAC DARWIN  
FAX: +61-8-8920-3829

## VAAC BACKUP

Attachments: (添付資料)

VAA       VAG       VAR       \_\_\_\_\_

## Backup of VAAC Darwin (ダーウィンのバックアップ開始・終了を依頼する場合)

Request for Backup of VAAC Darwin (バックアップの開始を依頼)

1. Situation in VAAC Darwin (ダーウィン VAAC の状況)

- VAAC Darwin is unable to:  Monitor volcanoes (監視不能);  Issue VAA (情報発表不能)
- Expected duration: \_\_\_\_\_ hours (○時間後復旧予定);  Unknown (復旧見通し不明)

2. Necessity of issuance (VAA 発表の必要性)

- No VAA are currently being issued. Please monitor VAAC Darwin's area of responsibility for volcanic activity and issue VAA if required. (現在情報発表中の火山なし)
- Please issue VAA for \_\_\_\_\_ (volcano name). See attached VAR (○○火山の情報発表を依頼する。添付 VAR 参照)

Advice of Return to Normal Operations (バックアップの終了を依頼)

We are able to take back responsibility of VAAC Darwin area. Please advise us of any action you have taken on our behalf.

## Backup of VAAC Tokyo (東京のバックアップ開始・終了を了承する場合)

Approval of Handover to Darwin (バックアップの開始を了承)

We agree to take over responsibility for:

- Monitoring volcanoes via satellite (衛星監視代行);  Issuing VAA (情報発表代行)
- Both of Above (上記の両方) for VAAC Tokyo area.

Approval of Handover from Darwin to Tokyo (バックアップの終了を了承)

We agree to return responsibility of VAAC Tokyo area to you.

Actions taken on your behalf:

- Nil (代行中の情報発表なし)
- VAA No. \_\_\_\_\_ - \_\_\_\_\_ issued for \_\_\_\_\_ (volcano name)  
(代行中○○火山について、何番から何番までの情報を発表)

Comments:



**ATTACHMENT 1B**

Fax form from Tokyo VAAC for backup operation  
Tokyo VAAC からバックアップ運用を依頼・終了する際の FAX 書式

Date/Time \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ \_\_\_\_\_ UTC

**TO: VAAC DARWIN**  
**FAX: +61-8-8920-3829**

**FROM: VAAC TOKYO**  
**FAX: +81-3-3212-6446**

**VAAC BACKUP**

**Attachments:** (添付資料)

VAA       VAG       VAR       \_\_\_\_\_

**Backup of VAAC Tokyo (東京のバックアップ開始・終了を依頼する場合)**

Request for Backup of VAAC Tokyo (バックアップの開始を依頼)

1. Situation in VAAC Tokyo (東京 VAAC の状況)

- VAAC Tokyo is unable to:  Monitor volcanoes (監視不能);  Issue VAA (情報発表不能)
- Expected duration: \_\_\_\_\_ hours (○時間後復旧予定);  Unknown (復旧見通し不明)

2. Necessity of issuance (VAA 発表の必要性)

- No VAA are currently being issued. Please monitor VAAC Tokyo's area of responsibility for volcanic activity and issue VAA if required. (現在情報発表中の火山なし)
- Please issue VAA for \_\_\_\_\_ (volcano name). See attached VAR (○○火山の情報発表を依頼する。添付 VAR 参照)

Advice of Return to Normal Operations (バックアップの終了を依頼)

We are able to take back responsibility of VAAC Tokyo area. Please advise us of any action you have taken on our behalf.

**Backup of VAAC Darwin (ダーウィンのバックアップ開始・終了を了承する場合)**

Approval of Handover to Tokyo (バックアップの開始を了承)

We agree to take over responsibility for:

- Monitoring volcanoes via satellite (衛星監視代行);  Issuing VAA (情報発表代行)
- Both of Above (上記の両方) for VAAC Darwin area.

Approval of Handover from Tokyo to Darwin (バックアップの終了を了承)

We agree to return responsibility of VAAC Darwin area to you.

Actions taken on your behalf:

- Nil (代行中の情報発表なし)
- VAA No. \_\_\_\_\_ - \_\_\_\_\_ issued for \_\_\_\_\_ (volcano name)  
(代行中○○火山について、何番から何番までの情報を発表)

**Comments:**

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**Volcano Activity Report (VAR)**

Volcano Name (火山名) : \_\_\_\_\_

General Location (地域名) : \_\_\_\_\_

Latitude/Longitude (緯度 / 経度) : \_\_\_\_\_ / \_\_\_\_\_

Next VAA No. (次回情報番号) \_\_\_\_\_

due at (発表予定日時) \_\_\_\_\_ d \_\_\_\_\_ UTC

Volcano Information (火山に関する情報:

 Received (PIREP, VAR, SIGMET, \_\_\_\_\_) from \_\_\_\_\_

at \_\_\_\_\_ d \_\_\_\_\_ UTC

(Eruption, Ash Cloud Observed) Time: \_\_\_\_\_ d \_\_\_\_\_ UTC

(Plume, Ash Cloud) Height: \_\_\_\_\_ feet ASL (FL \_\_\_\_\_) MOV \_\_\_\_\_ (kt)

Satellite Image Analysis (衛星画像解析)

 No Ash Cloud Detected (火山灰検知なし) Ash Cloud Detected (火山灰検知あり)

on (VIS, SP, IR1, other ch.( \_\_\_\_\_ )) image of (MTSAT, other Satellite( \_\_\_\_\_ ))

at \_\_\_\_\_ d \_\_\_\_\_ UTC

Extent of ash cloud (火山灰雲の範囲) :

Height of ash cloud (火山灰雲の高さ) : \_\_\_\_\_ (feet)

Movement of ash cloud (火山灰雲の移動方向) : \_\_\_\_\_ (kt)

Action Taken (既に行った作業)

 Issued VAA No. \_\_\_\_\_ at \_\_\_\_\_ d \_\_\_\_\_ UTC (latest)

Other Comments (その他)

**ATTACHMENT 2 – SAMPLE VAA MESSAGES**

\*\*\*\*\* Indicates appropriate AFTN addresses as per Attachment 3

***VAA Backup Commencement AFTN message to external clients: VAAC Darwin to VAAC Tokyo Area:***

GG \*\*\*\*\*

DDHHMM YPDMYMYX

FVFE01 RJTD DDHHMM

VA ADVISORY

DTG: YYYYMMDD/HHMMZ

VAAC: TOKYO

VOLCANO: UNKNOWN

PSN: N1000 E10000

AREA: UNKNOWN

SUMMIT ELEV: 9999M

ADVISORY NR: YYYY/N

INFO SOURCE: NIL

AVIATION COLOUR CODE: NIL

ERUPTION DETAILS: NIL

OBS VA DTG: NIL

OBS VA CLD: NIL

FCST VA CLD +6HR: NO VA EXP

FCST VA CLD +12HR: NO VA EXP

FCST VA CLD +18HR: NO VA EXP

RMK: VAAC DARWIN HAS ASSUMED RESPONSIBILITY FOR ISSUING VAA TO THE VAAC TOKYO AREA OF RESPONSIBILITY. PLEASE CONTACT VAAC DARWIN AS PER IAVW HANDBOOK TABLE 4-2 FOR VOLCANIC ASH ADVICE TO THE VAAC TOKYO AREA OF RESPONSIBILITY.

NXT ADVISORY: NO FURTHER ADVISORIES.

***VAA Backup Cessation AFTN message to external clients: VAAC Tokyo to VAAC Tokyo Area:***

GG \*\*\*\*\*

DDHHMM RJTDYMYX

FVFE01 RJTD DDHHMM

VA ADVISORY

DTG: YYYYMMDD/HHMMZ

VAAC: TOKYO

VOLCANO: UNKNOWN

PSN: N1000 E10000

AREA: UNKNOWN

SUMMIT ELEV: 9999M

ADVISORY NR: YYYY/N

INFO SOURCE: NIL

AVIATION COLOUR CODE: NIL

ERUPTION DETAILS: NIL

OBS VA DTG: NIL

OBS VA CLD: NIL

FCST VA CLD +6HR: NO VA EXP

FCST VA CLD +12HR: NO VA EXP

FCST VA CLD +18HR: NO VA EXP

RMK: VAAC TOKYO HAS RESUMED RESPONSIBILITY FOR ISSUING VAA TO THE VAAC TOKYO AREA OF RESPONSIBILITY. PLEASE CONTACT VAAC TOKYO AS PER IAVW HANDBOOK TABLE 4-2 FOR VOLCANIC ASH ADVICE TO THE VAAC TOKYO AREA OF RESPONSIBILITY.

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NXT ADVISORY: NO FURTHER ADVISORIES.

*VAA Backup Commencement AFTN message to external clients: VAAC Tokyo to VAAC Darwin Area:*

GG \*\*\*\*\*

DDHHMM RJTDYMYX

FVAU01 ADRM DDHHMM

VA ADVISORY

DTG: YYYYMMDD/HHMMZ

VAAC: DARWIN

VOLCANO: UNKNOWN

PSN: N1000 E10000

AREA: UNKNOWN

SUMMIT ELEV: 9999M

ADVISORY NR: YYYY/N

INFO SOURCE: NIL

AVIATION COLOUR CODE: NIL

ERUPTION DETAILS: NIL

OBS VA DTG: NIL

OBS VA CLD: NIL

FCST VA CLD +6HR: NO VA EXP

FCST VA CLD +12HR: NO VA EXP

FCST VA CLD +18HR: NO VA EXP

RMK: VAAC TOKYO HAS ASSUMED RESPONSIBILITY FOR ISSUING VAA TO THE VAAC DARWIN AREA OF RESPONSIBILITY NORTH OF 20S. PLEASE CONTACT VAAC DARWIN AS PER IAVW HANDBOOK TABLE 4-2 FOR VOLCANIC ASH ADVICE TO THE VAAC DARWIN AREA NORTH OF 20S.

NXT ADVISORY: NO FURTHER ADVISORIES.

*VAA Backup Cessation AFTN message to external clients: VAAC Darwin to VAAC Darwin Area:*

GG \*\*\*\*\*

DDHHMM YMMCYMYX

FVAU01 ADRM DDHHMM

VA ADVISORY

DTG: YYYYMMDD/HHMMZ

VAAC: DARWIN

VOLCANO: UNKNOWN

PSN: N1000 E10000

AREA: UNKNOWN

SUMMIT ELEV: 9999M

ADVISORY NR: YYYY/N

INFO SOURCE: NIL

AVIATION COLOUR CODE: NIL

ERUPTION DETAILS: NIL

OBS VA DTG: NIL

OBS VA CLD: NIL

FCST VA CLD +6HR: NO VA EXP

FCST VA CLD +12HR: NO VA EXP

FCST VA CLD +18HR: NO VA EXP

RMK: VAAC DARWIN HAS RESUMED RESPONSIBILITY FOR ISSUING VAA TO THE VAAC DARWIN AREA OF RESPONSIBILITY. PLEASE CONTACT VAAC DARWIN AS PER IAVW HANDBOOK TABLE 4-2 FOR VOLCANIC ASH ADVICE TO THE VAAC DARWIN AREA OF RESPONSIBILITY.

NXT ADVISORY: NO FURTHER ADVISORIES.

*VAA Backup Test AFTN message to external clients: VAAC Darwin to VAAC Tokyo Area:*

GG \*\*\*\*\*

DDHHMM YMMCYMYX

FVFE01 RJTD DDHHMM

VA ADVISORY

DTG: YYYYMMDD/HHMMZ

VAAC: TOKYO

VOLCANO: TEST

PSN: N1000 E10000

AREA: UNKNOWN

SUMMIT ELEV: 9999M

ADVISORY NR: YYYY/N

INFO SOURCE: NIL

AVIATION COLOUR CODE: NIL

ERUPTION DETAILS: NIL

OBS VA DTG: NIL

OBS VA CLD: NIL

FCST VA CLD +6HR: NO VA EXP

FCST VA CLD +12HR: NO VA EXP

FCST VA CLD +18HR: NO VA EXP

RMK: THIS IS A TEST ADVISORY ISSUED BY DARWIN

VAAC FOR THE VAAC TOKYO AREA OF RESPONSIBILITY. PLEASE

ACKNOWLEDGE RECEIPT OF THIS ADVISORY BY SENDING AN EMAIL TO

VAAC AT EQVOL2.KISHOU.GO.JP

NXT ADVISORY: NO FURTHER ADVISORIES.

*VAA Backup Test AFTN message to external clients: VAAC Tokyo to VAAC Darwin Area:*

GG \*\*\*\*\*

DDHHMM RJTDYMYX

FVAU01 ADRM DDHHMM

VA ADVISORY

DTG: YYYYMMDD/HHMMZ

VAAC: DARWIN

VOLCANO: TEST

PSN: N1000 E10000

AREA: UNKNOWN

SUMMIT ELEV: 9999M

ADVISORY NR: YYYY/N

INFO SOURCE: NIL

AVIATION COLOUR CODE: NIL

ERUPTION DETAILS: NIL

OBS VA DTG: NIL

OBS VA CLD: NIL

FCST VA CLD +6HR: NO VA EXP

FCST VA CLD +12HR: NO VA EXP

FCST VA CLD +18HR: NO VA EXP

RMK: THIS IS A TEST ADVISORY ISSUED BY TOKYO

VAAC FOR THE VAAC DARWIN AREA OF RESPONSIBILITY. PLEASE

ACKNOWLEDGE RECEIPT OF THIS ADVISORY BY SENDING AN EMAIL TO

DARWIN.VAAC AT BOM.GOV.AU

NXT ADVISORY: NO FURTHER ADVISORIES.