

Example A7-12. Advisory message for volcanic ash

VA ADVISORY	
DTG:	2008240923/0130Z
VAAC:	TOKYO
VOLCANO:	KARYMSKY 300130
PSN:	N5403 E15927
AREA:	RUSSIA
SUMMIT SOURCE ELEV:	1536M AMSL
ADVISORY NR:	200824/4
INFO SOURCE:	HIMAWARI-8 KVERT KEMSD
AVIATION COLOUR CODE:	RED
ERUPTION DETAILS:	ERUPTION AT 2008240923/0000Z FL300 REPORTED
OBS VA DTG:	23/0100Z
OBS VA CLD:	FL250/300 N5400 E15930 – N5400 E16100 – N5300 E15945 MOV SE 20KT SFC/FL200 N5130 E16130 – N5130 E16230 – N5230 E16230 – N5230 E16130 MOV SE 15KT
FCST VA CLD +6 HR:	23/0700Z FL250/350 N5130 E16030 – N5130 E16230 – N5330 E16230 – N5330 E16030 SFC/FL180 N4830 E16330 – N4830 E16630 – N5130 E16630 – N5130 E16330
FCST VA CLD +12 HR:	23/1300Z SFC/FL270 N4830 E16130 – N4830 E16600 – N5300 E16600 – N5300 E16130
FCST VA CLD +18 HR:	23/1900Z NO VA EXP
RMK:	LATEST REP FM KVERT (0120Z) INDICATES ERUPTION HAS CEASED. TWO DISPERSING VA CLD ARE EVIDENT ON SATELLITE IMAGERY
NXT ADVISORY:	2008240923/0730Z

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Editorial Note.— Insert new Appendix 9 as follows:

**APPENDIX 9. TECHNICAL SPECIFICATIONS
RELATED TO FORECASTS OF QUANTITATIVE VOLCANIC ASH CONCENTRATION
INFORMATION**

(See Chapter 5 of this PANS.)

Table A9-1. Vertical extents of forecasts of quantitative volcanic ash concentration information

Mean sea level to flight level (FL) 50 (850 hPa)
FL 50 (850 hPa) to FL 100 (700 hPa)
FL 100 (700 hPa) to FL 150 (570 hPa)
FL 150 (570 hPa) to FL 200 (470 hPa)
FL 200 (470 hPa) to FL 250 (380 hPa)
FL 250 (380 hPa) to FL 300 (300 hPa)
FL 300 (300 hPa) to FL 350 (240 hPa)
FL 350 (240 hPa) to FL 400 (190 hPa)
FL 400 (190 hPa) to FL 450 (150 hPa)
FL 450 (150 hPa) to FL 500 (120 hPa)
FL 500 (120 hPa) to FL 550 (90 hPa)
FL 550 (90 hPa) to FL 600 (70 hPa)

Table A9-2. Quantitative volcanic ash concentration ranges

<i>Contamination descriptor</i>	<i>Concentration ranges</i>
Very high	Equal to or above 10 mg/m ³
High	Equal to or above 5 and below 10 mg/m ³
Medium	Equal to or above 2 and below 5 mg/m ³
Low ¹	Equal to or above 0.2 and below 2 mg/m ³
Very low ²	Below 0.2 mg/m ³

1. 0.2 mg/m³ is the agreed quantitative threshold for discernible ash.

2. Ash that may be detectable by more sensitive satellite and other remote sensing or in-situ monitoring capabilities.

End of new appendix.

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<p>Origin: METP/5</p>	<p>Rationale: The proposed amendments enable the provision of quantitative volcanic ash information, for those VAACs in a position to do so (until 27 November 2025) and then all the VAACs (as of 27 November 2025). Also, the proposed amendments upgrade the issuance of VONA as a Recommended Practice and allow dissemination of the notice in IWXXM format. The users of the notice are clarified. In response to the introduction of VONA, the aviation colour code is proposed to be deleted from volcanic ash advisory. Associated updates and minor corrections to the templates of VAA are proposed.</p>
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