

SIGMET, AIRMET 및 화산재주의보 등에 관한 형판

<표 1> SIGMET, AIRMET의 형판(Template for SIGMET and AIRMET messages)

- M = 모든 전문에 필수 포함,
- C = 조건부 포함, 적용 가능할 때마다 포함,
- = = 이중선은 따라오는 문구가 바로 다음 줄에 위치해야 함을 가리킴.

주석 1 : SIGMET/AIRMET 전문 그리고 특별 항공기보고에 포함되는 수치요소들을 위한 범위와 분해능은 이 부록의 <표 2>에 수록되어 있다.

주석 2 : ANNEX 3 부록 6의 1.1.5와 2.1.5에 따라 천둥번개, 적란운 또는 열대저기압과 관련된 심한 또는 보통의 착빙 그리고 심한 또는 보통의 난류(SEV ICE, MOD ICE, SEV TURB, MOD TURB)는 포함되지 않는다.

Element	Detailed content	SIGMET template	AIRMET template	SIGMET message examples	AIRMET message examples
Location indicator of FIR/CTA (M) ¹	ICAO location indicator of the ATS unit serving the FIR or CTA to which the SIGMET/AIRMET refers	nnnn		YUCC ² YUDD ²	
Identification (M)	Message identification and sequence number ³	SIGMET [n][n]n	AIRMET [n][n]n	SIGMET 1 SIGMET 01 SIGMET A01	AIRMET 9 AIRMET 19 AIRMET B19
Validity period (M)	Day-time groups indicating the period of validity in UTC	VALID nnnnnn/nnnnnn		VALID 010000/010400 VALID 221215/221600 VALID 101520/101800 VALID 251600/252200 VALID 152000/160000 VALID 192300/200300	
Location indicator of MWO (M)	Location indicator of MWO originating the message with a separating hyphen	nnnn-		YUDO- ² YUSO- ²	
Name of the FIR/CTA (M)	Location indicator and name of the FIR/CTA ⁴ for which the SIGMET/AIRMET is issued	nnnn nnnnnnnnnn FIR or UIR or FIR/UIR or nnnn nnnnnnnnnn CTA	nnnn nnnnnnnnnn FIR[n]	YUCC AMSWELL FIR ² YUDD SHANLON ² FIR/UIR ² UIR FIR/UIR YUDD SHANLON CTA ²	YUCC AMSWELL FIR/2 ² YUDD SHANLON FIR ²
IF THE SIGMET OR AIRMET MESSAGE IS TO BE CANCELLED, SEE DETAILS AT THE END OF THE TEMPLATE.					
Status indicator (C) ⁵	Indicator of test or exercise	TEST or EXER	TEST or EXER	TEST EXER	TEST EXER

Phenomenon (M) ⁶	Description of phenomenon causing the issuance of SIGMET/AIRMET	<p>OBSC⁷ TS[GR⁸] EMBD⁹ TS[GR⁸] FRQ¹⁰ TS[GR⁸] SQL¹¹ TS[GR⁸]</p> <p>TC nnnnnnnn PSN Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] CB or TC NN¹² PSN Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] CB</p> <p>SEV TURB¹³ SEV ICE¹⁴ SEV ICE (FZRA)¹⁴ SEV MTW¹⁵</p> <p>HVY DS HVY SS</p> <p>[VA ERUPTION] [MT nnnnnnnnnn] [PSN Nnn[nn] or Snn[nn] Ennn[nn] or Wnnn[nn]] VA CLD</p> <p>RDOACT CLD</p>	<p>SFC WIND nnn/nn[n]MPS (or SFC WIND nnn/nn[n]KT)</p> <p>SFC VIS [n][n]nm (nn)¹⁶</p> <p>ISOL¹⁷ TS[GR⁸] OCNL¹⁸ TS[GR⁸]</p> <p>MT OBSC</p> <p>BKN CLD nnn/[ABV][n]hnm (or BKN CLD [n]hnn/[ABV][n]hnnFT) or BKN CLD SFC/[ABV][n]hnm (or BKN CLD SFC/[ABV][n]hnnFT) OVC CLD nnn/[ABV][n]hnm (or OVC CLD [n]hnn/[ABV][n]hnnFT) or OVC CLD SFC/[ABV][n]hnm (or OVC CLD SFC/[ABV][n]hnnFT)</p> <p>ISOL¹⁷ CB¹⁹ OCNL¹⁸ CB¹⁹ FRQ¹⁰ CB¹⁹</p> <p>ISOL¹⁷ TCU¹⁹ OCNL¹⁸ TCU¹⁹ FRQ¹⁰ TCU¹⁹</p> <p>MOD TURB¹³ MOD ICE¹⁴ MOD MTW¹⁵</p>	<p>OBSC TS OBSC TSGR EMBD TS EMBD TSGR FRQ TS FRQ TSGR SQL TS SQL TSGR</p> <p>TC GLORIA PSN N10 W060 CB TC NN PSN S2030 E06030 CB</p> <p>SEV TURB SEV ICE SEV ICE (FZRA) SEV MTW HVY DS HVY SS</p> <p>VA ERUPTION MT ASHVAL² PSN S15 E073 VA CLD</p> <p>RDOACT CLD</p>	<p>SFC WIND 040/40MPS SFC WIND 310/20KT</p> <p>SFC VIS 1500M (BR)</p> <p>ISOL TS ISOL TSGR OCNL TS OCNL TSGR</p> <p>MT OBSC</p> <p>BKN CLD 120/900M BKN CLD 400/3000FT BKN CLD 1000/5000FT BKN CLD SFC/3000M BKN CLD SFC/ABV10000FT</p> <p>OVC CLD 270/ABV3000M OVC CLD 900/ABV10000FT OVC CLD 1000/5000FT OVC CLD SFC/3000M OVC CLD SFC/ABV10000FT</p> <p>ISOL CB OCNL CB FRQ CB</p> <p>ISOL TCU OCNL TCU FRQ TCU</p> <p>MOD TURB MOD ICE MOD MTW</p>
Observed or forecast phenomenon (M) ^{20, 21}	Indication whether the information is observed and expected to continue, or forecast	OBS [AT nnnnZ] or FCST [AT nnnnZ]	OBS OBS AT 1210Z FCST FCST AT 1815Z		
Location (C) ^{20, 21, 33}	Location (referring to latitude and longitude (in degrees and minutes))	<p>Nnn[nn] Wnnn[nn] or Nnn[nn] Ennn[nn] or Snn[nn] Wnnn[nn] or Snn[nn] Ennn[nn]</p> <p>or</p> <p>N OF Nnn[nn] or S OF Nnn[nn] or N OF Snn[nn] or S OF Snn[nn] [AND] W OF Wnnn[nn] or E OF Wnnn[nn] or W OF Ennn[nn] or E OF Ennn[nn]</p> <p>or</p> <p>N OF Nnn[nn] or N OF Snn[nn] AND S OF Nnn[nn] or S OF Snn[nn]</p> <p>or</p> <p>W OF Wnnn[nn] or W OF Ennn[nn] AND E OF Wnnn[nn] or E OF Ennn[nn]</p> <p>or</p> <p>N OF LINE²² or NE OF LINE²² or E OF LINE²² or SE OF LINE²² or S OF LINE²² or SW OF LINE²² or W OF LINE²² or NW OF LINE²² Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] [– Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]] [– Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]] [AND N OF LINE²² or NE OF LINE²² or E OF LINE²² or SE OF LINE²² or S OF LINE²² or SW OF LINE²² or W OF LINE²² or NW OF LINE²² Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] [– Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]] [– Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]]</p> <p>or</p> <p>WI^{22, 23} Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – [Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]]</p>	<p>N2020 W07005 N48 E010 S60 W160 S0530 E16530</p> <p>N OF N50 S OF N5430 N OF S10 S OF S4530 W OF W155 E OF W45 W OF E15540 E OF E09015</p> <p>N OF N1515 AND W OF E13530 S OF N45 AND N OF N40</p> <p>N OF LINE S2520 W11510 – S2520 W12010 SW OF LINE N50 W005 – N60 W020 SW OF LINE N50 W020 – N45 E010 AND NE OF LINE N45 W020 – N40 E010</p> <p>WI N6030 E02550 – N6055 E02500 – N6050 E02630 – N6030 E02550</p> <p>APRX 50KM WID LINE BTN N64 W017 – N60 W010 – N57 E010</p> <p>ENTIRE FIR ENTIRE UIR ENTIRE FIR/UIR ENTIRE CTA</p> <p>WI 400KM OF TC CENTRE WI 250NM OF TC CENTRE WI 30KM OF N6030 E02550[†]</p>		

		<p>or APRX nnKM WID LINE²² BTN (or nnNM WID LINE²² BTN) Nnn[nn] or Snn[1nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] [– Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]] [– Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]]</p> <p>or ENTIRE UIR or ENTIRE FIR or ENTIRE FIR/UIR or ENTIRE CTA or²⁴ WI nnnKM (or nnnNM) OF TC CENTRE or²⁵ WI nnKM (or nnNM) OF Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]</p>			
Level (C) ^{20, 21}	Flight level or altitude	<p>[SFC]/FLnnn or [SFC]/nnnnM (or [SFC]/[n]nnnnFT) or FLnnn/nnn or TOP FLnnn or [TOP] ABV FLnnn (or [TOP] ABV [n]nnnnFT) [nnnn]/nnnnM (or [n]nnnn/[n]nnnnFT) or [nnnnM]/FLnnn (or [n]nnnnFT)/FLnnn)</p> <p>or²⁴ TOP [ABV or BLW] FLnnn</p>	<p>FL180 SFC/FL070 SFC/3000M SFC/10000FT FL050/080 TOP FL390 ABV FL250 TOP ABV FL100 ABV 7000FT TOP ABV 9000FT TOP ABV 10000FT 3000M 2000/3000M 8000FT 6000/12000FT 2000M/FL150 10000FT/FL250</p> <p>TOP FL500 TOP ABV FL500 TOP BLW FL450</p>		
Movement or expected movement (C) ^{20, 26, 34}	Movement or expected movement (direction and speed) with reference to one of the sixteen points of compass, or stationary	<p>MOV N [nnKMh] or MOV NNE [nnKMh] or MOV NE [nnKMh] or MOV ENE [nnKMh] or MOV E [nnKMh] or MOV ESE [nnKMh] or MOV SE [nnKMh] or MOV SSE [nnKMh] or MOV S [nnKMh] or MOV SSW [nnKMh] or MOV SW [nnKMh] or MOV WSW [nnKMh] or MOV W [nnKMh] or MOV WNW [nnKMh] or MOV NW [nnKMh] or MOV NNW [nnKMh] (or MOV N [nnKT] or MOV NNE [nnKT] or MOV NE [nnKT] or MOV ENE [nnKT] or MOV E [nnKT] or MOV ESE [nnKT] or MOV SE [nnKT] or MOV SSE [nnKT] or MOV S [nnKT] or MOV SSW [nnKT] or MOV SW [nnKT] or MOV WSW [nnKT] or MOV W [nnKT] or MOV WNW [nnKT] or MOV NW [nnKT] or MOV NNW [nnKT]) or STNR</p>	<p>MOV SE MOV NNW</p> <p>MOV E 40KMh MOV E 20KT MOV WSW 20KT</p> <p>STNR</p>		
Changes in intensity (C) ²⁰	Expected changes in intensity	INTSF or WKN or NC	INTSF WKN NC		
Forecast time (C) ^{20, 21, 26}	Indication of the forecast time of phenomenon	FCST AT nnnnZ	–	FCST AT 2200Z	–
TC forecast position (C) ²⁴	Forecast position of TC centre at the end of the validity period of the SIGMET message	TC CENTRE PSN Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] or ²¹ TC CENTRE PSN Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] CB	–	TC CENTRE PSN N1030 E16015 TC CENTRE PSN N1015 E15030 CB	–

Forecast position (C) ^{20, 21, 26, 27, 33}	Forecast position of phenomenon at the end of the validity period of the SIGMET message ³²	<p>Nnn[nn] Wnnn[nn] or Nnn[nn] Ennn[nn] or Snn[nn] Wnnn[nn] or Snn[nn] Ennn[nn]</p> <p>or</p> <p>N OF Nnn[nn] or S OF Nnn[nn] or N OF Snn[nn] or S OF Snn[nn] [AND] W OF Wnnn[nn] or E OF Wnnn[nn] or W OF Ennn[nn] or E OF Ennn[nn]</p> <p>or</p> <p>N OF Nnn[nn] or N OF Snn[nn] AND S OF Nnn[nn] or S OF Snn[nn]</p> <p>or</p> <p>W OF Wnnn[nn] or W OF Ennn[nn] AND E OF Wnnn[nn] or E OF Ennn[nn]</p> <p>or</p> <p>N OF LINE²² or NE OF LINE²² or E OF LINE²² or SE OF LINE²² or S OF LINE²² or SW OF LINE²² or W OF LINE²² or NW OF LINE²² Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] [– Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]] [AND N OF LINE²² or NE OF LINE²² or E OF LINE²² or SE OF LINE²² or S OF LINE²² or SW OF LINE²² or W OF LINE²² or NW OF LINE²² Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] [– Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]]</p> <p>or</p> <p>WI^{22, 23} Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]</p> <p>or</p> <p>APRX nnKM WID LINE²² BTN (nnNM WID LINE²² BTN) Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] [– Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]] [– Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]]</p>	–	<p>N30 W170</p> <p>N OF N30</p> <p>S OF S50 AND W OF E170</p> <p>S OF N46 AND N OF N39</p> <p>NE OF LINE N35 W020 – N45 W040</p> <p>SW OF LINE N48 W020 – N43 E010 AND NE OF LINE N43 W020 – N38 E010</p> <p>WI N20 W090 – N05 W090 – N10 W100 – N20 W100 – N20 W090</p> <p>APRX 50KM WID LINE BTN N64 W017 – N57 W005 – N55 E010 – N55 E020</p> <p>ENTIRE FIR ENTIRE UIR ENTIRE FIR/UIR</p> <p>ENTIRE CTA</p> <p>NO VA EXP</p> <p>WI 30KM OF N6030 E02550†</p> <p>WI 150NM OF TC CENTRE</p>	–
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		<i>or</i> ENTIRE FIR <i>or</i> ENTIRE UIR <i>or</i> ENTIRE FIR/UIR <i>or</i> ENTIRE CTA <i>or</i> ²³ NO VA EXP <i>or</i> ²⁵ WI nnKM (<i>or</i> nnNM) OF Nnn[nn] <i>or</i> Snn[nn] Wnnn[nn] <i>or</i> Ennn[nn] <i>or</i> ²⁴ WI nnnKM (nnnNM) OF TC CENTRE			
Repetition of elements (C) ²³	Repetition of elements included in a SIGMET message for volcanic ash cloud or tropical cyclone	[AND] ²³	—	AND	—

OR

Cancellation of SIGMET/AIRMET (C) ³⁰	Cancellation of SIGMET/AIRMET referring to its identification	CNL SIGMET [n][n]n nnnnn/nnnnn <i>or</i> ²³ CNL SIGMET [n][n]n nnnnn/nnnnn VA MOV TO nnnn FIR	CNL AIRMET [n][n]n nnnnn/nnnnn	CNL SIGMET 2 101200/101600 CNL SIGMET A13 251030/251430 VA MOV TO YUDO FIR ²	CNL AIRMET 05 151520/151800
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1. ANNEX 3의 4.1 참조
2. 가상의 장소
3. ANNEX 3의 1.1.3 및 2.1.2 준수
4. ANNEX 3의 2.1.3 참조
5. 시험(test) 또는 훈련 중임을 표시하기 위한 전문에만 사용. 단어 “TEST” 또는 약어 “EXER”가 포함되면, 전문에는 운영상 사용해서는 안 되는 정보를 포함하거나 그렇지 않으면 단어 “TEST” 바로 다음에 정보가 끝날 것임. [2019년 11월 7일 적용]
6. ANNEX 3의 1.1.4 및 2.1.4 준수
7. ANNEX 3의 4.2.1 a) 준수
8. ANNEX 3의 4.2.4 준수
9. ANNEX 3의 4.2.1 B) 준수
10. ANNEX 3의 4.2.2 준수
11. ANNEX 3의 4.2.3 준수
12. 이름이 붙여지지 않은 열대저기압을 위해 사용
13. ANNEX 3의 4.2.5 및 4.2.6 준수
14. ANNEX 3의 4.2.7 준수
15. ANNEX 3의 4.2.8 준수
16. ANNEX 3의 2.1.4 준수
17. ANNEX 3의 4.2.1 c) 준수
18. ANNEX 3의 4.2.1 d) 준수
19. 적란운(CB), 탑상적운(TCU)의 사용은 2.1.4에 따라 AIRMET으로 한정된다.
20. FIR 내에 하나 이상의 영역에 분포한 화산재 구름의 경우, 필요에 따라 이들 요소가 반복될 수 있다. 각 위치 지점과 예보 위치는 관측 또는 예보시간 뒤에 따라온다.
21. FIR 내에 하나 이상의 영역에 분포한 열대저기압과 관련된 적란운의 경우, 필요에 따라 이들 요소가 반복될 수 있다. 각 위치 지점과 예보 위치는 반드시 관측 또는 예보시간 뒤에 따라온다.
22. 직선은 메르카토르 투영법에서 지도에 그려지는 두 점 사이 또는 경도선을 일정한 각도로 가로지르는 두 점 사이에서 사용된다.
23. 좌표 수는 최소로 유지되어야 하며, 일반적으로 7개를 초과해서는 안 된다.
24. 열대저기압에 대한 SIGMET 전문에만 적용

25. 방사성 구름에 대한 SIGMET 전문에만 적용. 누출에 관한 세부정보를 이용할 수 없을 경우, 발원지에서 반경 30 킬로미터(16 해상마일)를 적용할 수 있음. 그리고 수직 범위는 지표면(SFC)에서 비행정보구역/고고도 비행정보구역(FIR/UIR) 또는 관제구역(CTA)을 상층 제한으로 적용 가능함. [2019년 11월 7일 적용]
26. 기상현상 “예측시간”과 “예측위치”는 기상현상 “이동 또는 예상 이동”과 함께 사용되어서는 안 된다.
27. 기상현상의 수준은 예측 기간 내내 고정되어 있다.
28. 화산재에 대한 SIGMET 전문에만 적용
29. 하나 이상의 화산재 구름 또는 열대 저기압 관련된 적란운이 관련 FIR에 동시에 영향을 주는 경우 사용됨
30. 정보의 종료(SIGMET/AIRMET 전문이 취소됨)
31. CB 용어는 적란운에 대한 예보 위치가 포함될 때 사용된다.
32. 열대저기압과 관련되어 발생한 적란운에 대한 예보 위치는 열대저기압 중심 위치의 예보 시간과 관련이 있고, SIGMET 전문의 유효기간 종료와는 관련이 없다.
33. 방사성 구름에 대한 SIGMET 전문에서 “WI” (within, 이내)는 “지점”과 “예보 위치” 요소를 위해서만 사용된다.
34. 방사성 구름에 대한 SIGMET 전문에서 “STNR”(stationary, 정체된)은 “이동 또는 예상 이동” 요소를 위해서만 사용된다.

<예시 1-1> SIGMET과 AIRMET 전문 그리고 상응하는 취소

SIGMET YUDD SIGMET 2 VALID 101200/101600 YUSO – YUDD SHANLON FIR/UIR OBSC TS FCST S OF N54 AND E OF W012 TOP FL390 MOV E 20KT WKN	Cancellation of SIGMET YUDD SIGMET 3 VALID 101345/101600 YUSO – YUDD SHANLON FIR/UIR CNL SIGMET 2 101200/101600
AIRMET YUDD AIRMET 1 VALID 151520/151800 YUSO – YUDD SHANLON FIR ISOL TS OBS N OF S50 TOP ABV FL100 STNR WKN	Cancellation of AIRMET YUDD AIRMET 2 VALID 151650/151800 YUSO – YUDD SHANLON FIR CNL AIRMET 1 151520/151800

<예시 1-2> 열대저기압을 위한 SIGMET 전문

YUCC SIGMET 3 VALID 251600/252200 YUDO – YUCC AMSWELL FIR TC GLORIA PSN N2706 W07306 CB OBS AT 1600Z WI 250NM OF TC CENTRE TOP FL500 NC FCST AT 2200Z TC CENTRE PSN N2740 W07345 Meaning: The third SIGMET message issued for the AMSWELL* flight information region (identified by YUCC Amwell area control centre) by the Donlon/International* meteorological watch office (YUDO) since 0001 UTC; the message is valid from 1600 UTC to 2200 UTC on the 25th of the month; tropical cyclone Gloria at 27 degrees 6 minutes north and 73 degrees 6 minutes west; cumulonimbus was observed at 1600 UTC within 250 nautical miles of the centre of the tropical cyclone with top at flight level 500; no changes in intensity are expected; at 2200 UTC the centre of the tropical cyclone is forecast to be located at 27 degrees 40 minutes north and 73 degrees 45 minutes west. * Fictitious location
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<예시 1-3> 화산재를 위한 SIGMET 전문

YUDD SIGMET 2 VALID 211100/211700 YUSO –
YUDD SHANLON FIR/UIR VA ERUPTION MT ASHVAL PSN S1500 E07348 VA CLD OBS AT 1100Z APRX
50KM WID LINE BTN S1500 E07348 – S1530 E07642 FL310/450 INTSF FCST AT 1700Z APRX 50KM WID
LINE BTN S1506 E07500 – S1518 E08112 – S1712 E08330

Meaning:

The second SIGMET message issued for the SHANLON* flight information region (identified by YUDD Shanlon area control centre/upper flight information region) by the Shanlon/International* meteorological watch office (YUSO) since 0001 UTC; the message is valid from 1100 UTC to 1700 UTC on the 21st of the month; volcanic ash eruption of Mount Ashval* located at 15 degrees south and 73 degrees 48 minutes east; volcanic ash cloud observed at 1100 UTC in an approximately 50 km wide line between 15 degrees south and 73 degrees 48 minutes east, and 15 degrees 30 minutes south and 76 degrees 42 minutes east; between flight levels 310 and 450, intensifying at 1700 UTC the volcanic ash cloud is forecast to be located in an approximate 50 km wide line between 15 degrees 6 minutes south and 75 degrees east, 15 degrees 18 minutes south and 81 degrees 12 minutes east, and 17 degrees 12 minutes south and 83 degrees 30 minutes east.

* Fictitious location

<예시 1-4> 방사형 구름에 관한 SIGMET 메시지

YUCC SIGMET 2 VALID 201200/201600 YUDO –
YUCC AMSWELL FIR RDOACT CLD OBS AT 1155Z WI 30KM OF N6030 E02550 SFC/FL550 STNR

Meaning:

The second SIGMET message issued for the AMSWELL* flight information region (identified by YUCC Amswell area control centre) by the Donlon/International* meteorological watch office (YUDO) since 0001 UTC; the message is valid from 1200 UTC to 1600 UTC on the 20th of the month; radioactive cloud was observed at 1155 UTC within 30 kilometres of 60 degrees 30 minutes north 25 degrees 50 minutes east between the surface and flight level 550. The radioactive cloud is stationary.

* Fictitious location

<예시 1-5> 심한 난류에 대한 SIGMET 메시지

YUCC SIGMET 5 VALID 221215/221600 YUDO –
YUCC AMSWELL FIR SEV TURB OBS AT 1210Z N2020 W07005 FL250 INTSF FCST AT 1600Z S OF N2020
AND E OF W06950

Meaning:

The fifth SIGMET message issued for the AMSWELL* flight information region (identified by YUCC Amswell area control centre) by the Donlon/International* meteorological watch office (YUDO) since 0001 UTC; the message is valid from 1215 UTC to 1600 UTC on the 22nd of the month; severe turbulence was observed at 1210 UTC 20 degrees 20 minutes north and 70 degrees 5 minutes west at flight level 250; the turbulence is expected to strengthen in intensity; at 1600 UTC the severe turbulence is forecast to be located south of 20 degrees 20 minutes north and east of 69 degrees 50 minutes west.

* Fictitious location

<예시 1-6> 보통 산악파에 대한 AIRMET 메시지

YUCC AIRMET 2 VALID 221215/221600 YUDO –
YUCC AMSWELL FIR MOD MTW OBS AT 1205Z N48 E010 FL080 STNR NC

Meaning:

The second AIRMET message issued for the AMSWELL* flight information region (identified by YUCC Amswell area control centre) by the Donlon/International* meteorological watch office (YUDO) since 0001 UTC; the message is valid from 1215 UTC to 1600 UTC on the 22nd of the month; moderate mountain wave was observed at 1205 UTC at 48 degrees north and 10 degrees east at flight level 080; the mountain wave is expected to remain stationary and not to undergo any changes in intensity.

* Fictitious location

<표2> 화산재와 열대저기압주의보, SIGMET/AIRMET 전문, 공항 및 급변풍경보에 포함되는 수치요소의 범위 및 분해능

<ICAO Annex 3 Appendix6 Table A6-4>

부록 2, 6장에 규정된 요소	범 위	분 해 능	
정상 고도	M	000-8100	1
	FT	000-27000	1
주의보 번호	VA (index)*	000-2000	1
	TC (index)*	00-99	1
최대 지상 바람	MPS	00-99	1
	KT	00-199	1
중심기압	hpa	850-1050	1
지상 풍속:	MPS	15 - 49	1
	KT	30 - 99	1
지상 시정:	M	0000 - 0750	50
	M	0800 - 5000	100
운저고도:	M	000 - 300	30
	FT	000 - 1000	100
운정고도	M	000 - 2970	30
	M	3000 - 20000	300
	FT	000 - 9900	100
	FT	10000 - 60000	1000
위도	°(도)	00 - 90	1
	'(분)	00 - 60	1
경도	°(도)	000 - 180	1
	'(분)	00 - 60	1
비행고도		000 - 650	10
이동	KMH	0 - 300	10
	KT	0 - 150	5
*non-dimensional			

<표 3> 화산재주의보에 관한 형판

Key: M = 모든 전문에 필수 포함,
 O = 선택적 포함,
 C = 조건부 포함, 적용 가능할 때마다 포함
 = = 이중선은 따라오는 문구가 바로 다음 줄에 위치해야 함을 가리킴

- 주 1 - 화산재주의보 전문에 포함된 수치 요소의 범위와 분해능은 <표 2>에 보여진다.
- 주 2 - 약어에 관한 설명은 Procedures for Air Navigation Services - ICAO Abbreviations and Codes (PANS-ABC, Doc 8400)에서 볼 수 있다.
- 주 3 - 각 요소 두문의 뒤에 “:”의 포함은 필수적이다.
- 주 4 - 1~19의 숫자는 주의보 전문의 일부가 아니라 단지 명확히 하기 위해 포함된 것이다.

Element	Detailed content	Template(s)	Examples
1	Identification of the type of message (M)	Type of message	VA ADVISORY
2	Status indicator (C) ¹	Indicator of test or exercise	STATUS: TEST or EXER
3	Time of origin (M)	Year, month, day and time in UTC	DTG: nnnnnnnn/nnnnZ
4	Name of VAAC (M)	Name of VAAC	VAAC: nnnnnnnnnnnn
5	Name of volcano (M)	Name and IAVCEI ² number of volcano	VOLCANO: nnnnnnnnnnnnnnnnnnn [nnnnn] or UNKNOWN or UNNAMED
6	Location of volcano (M)	Location of volcano in degrees and minutes	PSN: Nnnnn or Snnnn Wnnnnn or Ennnnn or UNKNOWN
7	State or region (M)	State, or region if ash is not reported over a State	AREA: Nnnnnnnnnnnnnnnn Or UNKNOWN
8	Summit elevation (M)	Summit elevation in m (or ft)	SUMMIT ELEV: nnnnM (or nnnnnFT) or SFC or UNKNOWN
9	Advisory number (M)	Year in full and message number (separate sequence for each volcano)	ADVISORY NR: nnnn/[n][n][n]
10	Information source (M)	Information source using free text	INFO SOURCE: Free text up to 32 characters
11	Colour code (O)	Aviation colour code	AVIATION COLOUR CODE: RED or ORANGE or YELLOW or GREEN or UNKNOWN or NOT GIVEN or NIL
12	Eruption details (M)	Eruption details (including date/time of eruption(s))	ERUPTION DETAILS: Free text up to 64 characters or UNKNOWN
13	Time of observation (or estimation) of ash (M)	Day and time (in UTC) of observation (or estimation) of volcanic ash	OBS (or EST) VA DTG: nn/nnnnZ

<i>Element</i>	<i>Detailed content</i>	<i>Template(s)</i>	<i>Examples</i>
14	Observed or estimated ash cloud (M) Horizontal (in degrees and minutes) and vertical extent at the time of observation of the observed or estimated ash cloud or, if the base is unknown, the top of the observed or estimated ash cloud; Movement of the observed or estimated ash cloud	OBS VA CLD or EST VA CLD: TOP FLnnn or SFC/FLnnn or FLnnn/nnn [nnKM WID LINE ³ BTN (nnNM WID LINE BTN)] Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn][– Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]] MOV N nnKMH (orKT) or MOV NE nnKMH (orKT) or MOV E nnKMH (orKT) or MOV SE nnKMH (orKT) or MOV S nnKMH (orKT) or MOV SW nnKMH (orKT) or MOV W nnKMH (orKT) or MOV NW nnKMH (orKT) ² or VA NOT IDENTIFIABLE FM SATELLITE DATA WIND FLnnn/nnn nnn/nn[n]MPS (orKT) ⁵ or WIND FLnnn/nnn VRBnnMPS (orKT) or WIND SFC/FLnnn nnn/nn[n]MPS (orKT) or WIND SFC/FLnnn VRBnnMPS (orKT)	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 TOP FL240 MOV W 40KMH VA NOT IDENTIFIABLE FM SATELLITE DATA WIND FL050/070 180/12MPS
15	Forecast height and position of the ash clouds (+6 HR) (M) Day and time (in UTC) (6 hours from the "Time of observation (or estimation) of ash" given in Item 13); Forecast height and position (in degrees and minutes) for each cloud mass for that fixed valid time	FCST VA CLD +6 HR: nn/nnnnZ SFC or FLnnn/[FL]nnn [nnKM WID LINE ³ BTN (nnNM WID LINE BTN)] Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn][– Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]] ² or NO VA EXP or NOT AVBL or NOT PROVIDED	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 NO VA EXP NOT AVBL NOT PROVIDED
16	Forecast height and position of the ash clouds (+12 HR) (M) Day and time (in UTC) (12 hours from the "Time of observation (or estimation) of ash" given in Item 13); Forecast height and position (in degrees and minutes) for each cloud mass for that fixed valid time	FCST VA CLD +12 HR: nn/nnnnZ SFC or FLnnn/[FL]nnn [nnKM WID LINE ³ BTN (nnNM WID LINE BTN)] Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn][– Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]] ² or NO VA EXP or NOT AVBL or NOT PROVIDED	FCST VA CLD +12 HR: 23/1300Z SFC/FL270 N4830 E16130 – N4830 E16600 – N5300 E16600 – N5300 E16130 NO VA EXP NOT AVBL NOT PROVIDED
17	Forecast height and position of the ash clouds (+18 HR) (M) Day and time (in UTC) (18 hours from the "Time of observation (or estimation) of ash" given in Item 13); Forecast height and position (in degrees and minutes) for each cloud mass for that fixed valid time	FCST VA CLD +18 HR: nn/nnnnZ SFC or FLnnn/[FL]nnn [nnKM WID LINE ³ BTN (nnNM WID LINE BTN)] Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn][– Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]] ² or NO VA EXP or NOT AVBL or NOT PROVIDED	FCST VA CLD +18 HR: 23/1900Z NO VA EXP NOT AVBL NOT PROVIDED
18	Remarks (M) Remarks, as necessary	RMK: <i>Free text up to 256 characters</i> or NIL	RMK: LATEST REP FM KVERT (0120Z) INDICATES ERUPTION HAS CEASED. TWO DISPERSING VA CLD ARE EVIDENT ON SATELLITE IMAGERY RE-SUSPENDED VA ⁶ NIL

<i>Element</i>	<i>Detailed content</i>	<i>Template(s)</i>	<i>Examples</i>
19 Next advisory (M)	Year, month, day and time in UTC	NXT ADVISORY: nnnnnnn/nnnnZ or NO LATER THAN nnnnnnn/nnnnZ or NO FURTHER ADVISORIES or WILL BE ISSUED BY nnnnnnn/nnnnZ	NXT ADVISORY: 20080923/0730Z NO LATER THAN nnnnnnn/nnnnZ NO FURTHER ADVISORIES WILL BE ISSUED BY nnnnnnn/nnnnZ

<주석>

1. 시험(test) 또는 훈련(exercise) 중심을 표시하기 위한 전문에만 사용. 단어 “TEST” 또는 약어 “EXER”가 포함되면, 전문에는 운영상 사용해서는 안 되는 정보를 포함하거나 그렇지 않으면 단어 “TEST” 바로 다음에 정보가 끝날 것임. [2019년 11월 7일 적용]
2. 국제화산 및 지구내부화학 학회(IAVCEI)
3. 메르카토르 도법에 의한 도면의 두 지점 간 직선, 또는 경도를 일정 각으로 가로지르는 두 지점 간의 직선
4. 최대 4개까지의 선택 층
5. 화산재가 보고되었으나(예: AIREP), 위성자료로는 식별이 되지 않을 때
6. 화산재가 다시 부유하는 경우에만 (자유로운 문구로) 포함된다.
7. Remark란의 공백이 있을 때 (자유로운 문구로) 포함된다.

<표 3-1> 화산재주의보 발표 예시

VA ADVISORY	
DTG:	20080923/0130Z
VAAC:	TOKYO
VOLCANO:	KARYMSKY 300130
PSN:	N5403 E15927
AREA:	RUSSIA
SUMMIT ELEV:	1536M
ADVISORY NR:	2008/4
INFO SOURCE:	HIMAWARI-8 KVERT KEMSD
AVIATION COLOUR CODE:	RED
ERUPTION DETAILS:	ERUPTION AT 20080923/0000Z 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:	20080923/0730Z

<표 4> 열대저기압주의보에 관한 형판

- M = 모든 전문에 필수 포함,
- C = 조건부 포함, 적용 가능할 때마다 포함,
- O = 선택적으로 포함,
- = = 이중선은 따라오는 문구가 바로 다음 줄에 위치해야 함을 가리킴.

주석 1 : 열대저기압주의보 전문에 포함된 수치 요소의 범위와 분해능은 <표 2>에 보여진다.

주석 2 : 약어에 관한 설명은 PANS-ABC (Doc 8400)에서 볼 수 있다.

주석 3 : 각 요소 두문의 뒤에 “:”의 포함은 필수적이다.

주석 4 : 1~21의 숫자는 주의보 전문의 일부가 아니라 단지 명확히 하기 위해 포함된 것이다.

Element	Detailed content	Template(s)	Examples
1	Identification of the type of message (M)	Type of message	TC ADVISORY
2	Status indicator (C) ¹	Indicator of test or exercise	STATUS: TEST or EXER
3	Time of origin (M)	Year, month, day and time in UTC of issue	DTG: nnnnnnnn/nnnnZ
4	Name of TCAC (M)	Name of TCAC (location indicator or full name)	TCAC: nnnn or nnnnnnnnnn
5	Name of tropical cyclone (M)	Name of tropical cyclone or "NN" for unnamed tropical cyclone	TC: nnnnnnnnnnn or NN
6	Advisory number (M)	Year in full and message number (separate sequence for each cyclone)	ADVISORY NR: nnnn/[n]/[n]/n
7	Observed position of the centre (M)	Day and time in UTC and position of the centre of the tropical cyclone (in degrees and minutes)	OBS PSN: nn/nnnnZ Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]
8	Observed CB cloud ³ (O)	Location of CB cloud (referring to latitude and longitude (in degrees and minutes)) and vertical extent (flight level)	CB: WI nnnKM (or nnnNM) OF TC CENTRE or W# Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] - Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] - Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] - [Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]] - Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]] and TOP [ABV or BLW] FLnnn NIL
9	Direction and speed of movement (M)	Direction and speed of movement given in sixteen compass points and km/h (or kt), respectively, or stationary (< 2 km/h (1 kt))	MOV: N nnKMh (or kt) or NNE nnKMh (or kt) or NE nnKMh (or kt) or ENE nnKMh (or kt) or E nnKMh (or kt) or ESE nnKMh (or kt) or SE nnKMh (or kt) or SSE nnKMh (or kt) or S nnKMh (or kt) or SSW nnKMh (or kt) or SW nnKMh (or kt) or WSW nnKMh (or kt) or

10	Changes in intensity (M)	Changes of maximum surface wind speed at time of observation	INTST CHANGE:	INTSF or WKN or NC	INTST CHANGE:	INTSF
11	Central pressure (M)	Central pressure (in hPa)	C:	nnnHPA	C:	965HPA
12	Maximum surface wind (M)	Maximum surface wind near the centre (mean over 10 minutes, in m/s (or kt))	MAX WIND:	nn[n]MPS (or nn[n]KT)	MAX WIND:	22MPS
13	Forecast of centre position (+6 HR) (M)	Day and time (in UTC) (6 hours from the "DTG" given in Item 3); Forecast position (in degrees and minutes) of the centre of the tropical cyclone	FCST PSN +6 HR:	nn/nnnnZ Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]	FCST PSN +6 HR:	25/2200Z N2748 W07350
14	Forecast of maximum surface wind (+6 HR) (M)	Forecast of maximum surface wind (6 hours after the "DTG" given in Item 3)	FCST MAX WIND +6 HR:	nn[n]MPS (or nn[n]KT)	FCST MAX WIND +6 HR:	22MPS
15	Forecast of centre position (+12 HR) (M)	Day and time (in UTC) (12 hours from the "DTG" given in Item 3); Forecast position (in degrees and minutes) of the centre of the tropical cyclone	FCST PSN +12 HR:	nn/nnnnZ Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]	FCST PSN +12 HR:	26/0400Z N2830 W07430
16	Forecast of maximum surface wind (+12 HR) (M)	Forecast of maximum surface wind (12 hours after the "DTG" given in Item 3)	FCST MAX WIND +12 HR:	nn[n]MPS (or nn[n]KT)	FCST MAX WIND +12 HR:	22MPS
17	Forecast of centre position (+18 HR) (M)	Day and time (in UTC) (18 hours from the "DTG" given in Item 3); Forecast position (in degrees and minutes) of the centre of the tropical cyclone	FCST PSN +18 HR:	nn/nnnnZ Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]	FCST PSN +18 HR:	26/1000Z N2852 W07500
18	Forecast of maximum surface wind (+18 HR) (M)	Forecast of maximum surface wind (18 hours after the "DTG" given in Item 3)	FCST MAX WIND +18 HR:	nn[n]MPS (or nn[n]KT)	FCST MAX WIND +18 HR:	21MPS
19	Forecast of centre position (+24 HR) (M)	Day and time (in UTC) (24 hours from the "DTG" given in Item 3); Forecast position (in degrees and minutes) of the centre of the tropical cyclone	FCST PSN +24 HR:	nn/nnnnZ Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]	FCST PSN +24 HR:	26/1600Z N2912 W07530
20	Forecast of maximum surface wind (+24 HR) (M)	Forecast of maximum surface wind (24 hours after the "DTG" given in Item 3)	FCST MAX WIND +24 HR:	nn[n]MPS (or nn[n]KT)	FCST MAX WIND +24 HR:	20MPS
21	Remarks (M)	Remarks, as necessary	RMK:	Free text up to 256 characters or NIL	RMK:	NIL
22	Expected time of issuance of next advisory (M)	Expected year, month, day and time (in UTC) of issuance of next advisory	NXT MSG:	[BFR] nnnnnnnn/nnnnZ or NO MSG EXP	NXT MSG:	20040925/2000Z

주석

1. 시험 또는 훈련 중임을 표시하기 위한 전문에만 사용. 단어 "TEST" 또는 약어 "EXER"가 포함되면, 이 메시지에는 운영상 사용되지 않을 정보가 포함될 수 있으며, 그렇지 않으면 단어 "TEST" 다음에 정보가 끝남.
2. 가상의 장소
3. 열대저기압과 연관된 적란운(CB)이 책임구역 안에서 하나 이상의 영역을 덮고 있을 때, 필요하다면 이 요소는 반복될 수 있다.
4. 좌표 개수는 최소로 하고, 보통 7개를 초과하지 않는다.

<예시 4-1> 열대저기압주의보

TC ADVISORY

DTG: 20040925/1900Z
TCAC: YUFO*
TC: GLORIA
ADVISORY NR: 2004/13
OBS PSN: 25/1800Z N2706 W07306
CB: WI 250NM OF TC CENTRE TOP FL500
MOV: NW 20KMH
INTST CHANGE INTSF
C: 965HPA
MAX WIND: 25MPS
FCST PSN +6 HR: 25/2200Z N2748 W07350
FCST MAX WIND +6 HR: 22MPS
FCST PSN +12 HR: 26/0400Z N2830 W07430
FCST MAX WIND +12 HR: 22MPS
FCST PSN +18 HR: 26/1000Z N2852 W07500
FCST MAX WIND +18 HR: 21MPS
FCST PSN +24 HR: 26/1600Z N2912 W07530
FCST MAX WIND +24 HR: 20MPS
RMK: NIL
NXT MSG: 20040925/2000Z

*Fictitious location

<표 5> 우주기상주의보에 관한 형판

- M = 모든 전문에 필수 포함,
- C = 조건부 포함, 적용 가능할 때마다 포함,
- = = 이중선은 따라오는 문구가 바로 다음 줄에 위치해야 함을 가리킴.

주석 1 : 약어에 관한 설명은 PANS-ABC (Doc 8400)에서 볼 수 있다.

주석 2 : 공간 해상도는 <첨부>에 있다.

주석 3 : 각 요소 두문의 뒤에 “:”의 포함은 필수적이다.

주석 4 : 1~14의 숫자는 주의보 전문의 일부가 아니라 단지 명확히 하기 위해 포함된 것이다.

Element	Detailed content	Template(s)	Examples
1	Identification of the type of message (M)	Type of message	SWX ADVISORY
2	Status indicator (C) ¹	Indicator of test or exercise	STATUS: TEST or EXER
3	Time of origin (M)	Year, month, day and time in UTC	DTG: nnnnnnnn/nnnZ
4	Name of SWXC (M)	Name of SWXC	SWXC: Nnnnnnnnnnn
5	Advisory number (M)	Year in full and unique message number	ADVISORY NR: nnnn/[n][n][n]
6	Number of advisory being replaced (C)	Number of the previously issued advisory being replaced	NR RPLC: nnnn/[n][n][n]
7	Space weather effect and intensity (M)	Effect and intensity of the space weather phenomena	SWX EFFECT: HF COM MOD or SEV [AND] ³ or SATCOM MOD or SEV [AND] ³ or GNSS MOD or SEV [AND] ³ or RADIATION4 MOD or SEV
8	Observed or expected space weather phenomena (M)	Day and time (n UTC) of observed phenomena (or forecast if phenomena have yet to occur); Horizontal extent ³ (latitude bands and longitude in degrees) and/or altitude of space weather phenomena	OBS (or FCST) SWX: nn/nnnZ DAYLIGHT SIDE or HNH and/or MNH and/or EQN and/or EQS and/or MSH and/or HSH Wnnn(nn) or Ennn(nn) – Wnnn(nn) or Ennn(nn) and/or ABV FLnnn or FLnnn – nnn and/or Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – [Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn] – Nnn[nn] or Snn[nn] Wnnn[nn] or Ennn[nn]] or NO SWX EXP

9	Forecast of the phenomena (+6 HR) (M)	Day and time (in UTC) (6 hours from the time given in Item 8, rounded to the next full hour); Forecast extent <i>and/or</i> altitude of the space weather phenomena for that fixed valid time	FCST SWX +6 HR: nn/nnnnZ DAYLIGHT SIDE <i>or</i> HNH <i>and/or</i> MNH <i>and/or</i> EQN <i>and/or</i> EQS <i>and/or</i> MSH <i>and/or</i> HSH Wnnn(nn) <i>or</i> Ennn(nn) – Wnnn(nn) <i>or</i> Ennn(nn) <i>and/or</i> ABV FLnnn <i>or</i> FLnnn – nnn <i>and/or</i> Nnn[nn] <i>or</i> Snn[nn] Wnnn[nn] <i>or</i> Ennn[nn] – Nnn[nn] <i>or</i> Snn[nn] Wnnn[nn] <i>or</i> Ennn[nn] – Nnn[nn] <i>or</i> Snn[nn] Wnnn[nn] <i>or</i> Ennn[nn] – [Nnn[nn] <i>or</i> Snn[nn] Wnnn[nn] <i>or</i> Ennn[nn] – Nnn[nn] <i>or</i> Snn[nn] Wnnn[nn] <i>or</i> Ennn[nn]] <i>or</i> NO SWX EXP <i>or</i> NOT AVBL	FCST SWX +6 HR: 08/0700Z DAYLIGHT SIDE 08/0700Z HNH HSH W18000 – W09000 ABV FL350 08/0700Z HNH HSH E18000 – W18000 NO SWX EXP NOT AVBL
10	Forecast of the phenomena (+12 HR) (M)	Day and time (in UTC) (12 hours from the time given in Item 8, rounded to the next full hour). Forecast extent <i>and/or</i> altitude of the space weather phenomena for that fixed valid time	FCST SWX +12 HR: nn/nnnnZ DAYLIGHT SIDE <i>or</i> HNH <i>and/or</i> MNH <i>and/or</i> EQN <i>and/or</i> EQS <i>and/or</i> MSH <i>and/or</i> HSH Wnnn(nn) <i>or</i> Ennn(nn) – Wnnn(nn) <i>or</i> Ennn(nn) <i>and/or</i> ABV FLnnn <i>or</i> FLnnn – nnn <i>and/or</i> Nnn[nn] <i>or</i> Snn[nn] Wnnn[nn] <i>or</i> Ennn[nn] – Nnn[nn] <i>or</i> Snn[nn] Wnnn[nn] <i>or</i> Ennn[nn] – Nnn[nn] <i>or</i> Snn[nn] Wnnn[nn] <i>or</i> Ennn[nn] – [Nnn[nn] <i>or</i> Snn[nn] Wnnn[nn] <i>or</i> Ennn[nn] – Nnn[nn] <i>or</i> Snn[nn] Wnnn[nn] <i>or</i> Ennn[nn]] <i>or</i> NO SWX EXP <i>or</i> NOT AVBL	FCST SWX +12 HR: 08/1300Z DAYLIGHT SIDE 08/1300Z HNH HSH W18000 – W09000 ABV FL350 08/1300Z HNH HSH E18000 – W18000 NO SWIX EXP NOT AVBL
11	Forecast of the phenomena (+18 HR) (M)	Day and time (in UTC) (18 hours from the time given in Item 8, rounded to the next full hour). Forecast extent <i>and/or</i> altitude of the space weather phenomena for that fixed valid time	FCST SWX +18 HR: nn/nnnnZ DAYLIGHT SIDE <i>or</i> HNH <i>and/or</i> MNH <i>and/or</i> EQN <i>and/or</i> EQS <i>and/or</i> MSH <i>and/or</i> HSH Wnnn(nn) <i>or</i> Ennn(nn) – Wnnn(nn) <i>or</i> Ennn(nn) <i>and/or</i> ABV FLnnn <i>or</i> FLnnn – nnn <i>and/or</i> Nnn[nn] <i>or</i> Snn[nn] Wnnn[nn] <i>or</i> Ennn[nn] – Nnn[nn] <i>or</i> Snn[nn] Wnnn[nn] <i>or</i> Ennn[nn] – Nnn[nn] <i>or</i> Snn[nn] Wnnn[nn] <i>or</i> Ennn[nn] – [Nnn[nn] <i>or</i> Snn[nn] Wnnn[nn] <i>or</i> Ennn[nn] – Nnn[nn] <i>or</i> Snn[nn] Wnnn[nn] <i>or</i> Ennn[nn]] <i>or</i> NO SWX EXP <i>or</i> NOT AVBL	FCST SWX +18 HR: 08/1900Z DAYLIGHT SIDE 08/1900Z HNH HSH W18000 – W09000 ABV FL350 08/1900Z HNH HSH E18000 – W18000 NO SWX EXP NOT AVBL
12	Forecast of the phenomena (+24 HR) (M)	Day and time (in UTC) (24 hours from the time given in Item 8, rounded to the next full hour). Forecast extent <i>and/or</i> altitude of the space weather phenomena for that fixed valid time	FCST SWX +24 HR: nn/nnnnZ DAYLIGHT SIDE <i>or</i> HNH <i>and/or</i> MNH <i>and/or</i> EQN <i>and/or</i> EQS <i>and/or</i> MSH <i>and/or</i> HSH Wnnn(nn) <i>or</i> Ennn(nn) – Wnnn(nn) <i>or</i> Ennn(nn) <i>and/or</i> ABV FLnnn <i>or</i> FLnnn – nnn <i>and/or</i> Nnn[nn] <i>or</i> Snn[nn] Wnnn[nn] <i>or</i> Ennn[nn] – Nnn[nn] <i>or</i> Snn[nn] Wnnn[nn] <i>or</i> Ennn[nn] – Nnn[nn] <i>or</i> Snn[nn] Wnnn[nn] <i>or</i> Ennn[nn] – [Nnn[nn] <i>or</i> Snn[nn] Wnnn[nn] <i>or</i> Ennn[nn] – Nnn[nn] <i>or</i> Snn[nn] Wnnn[nn] <i>or</i> Ennn[nn]] <i>or</i> NO SWX EXP <i>or</i> NOT AVBL	FCST SWX +24 HR: 09/0100Z DAYLIGHT SIDE 09/0100Z HNH HSH W18000 – W09000 ABV FL350 09/0100Z HNH HSH E18000 – W18000 NO SWX EXP NOT AVBL
13	Remarks (M)	Remarks, as necessary	RMK: <i>Free text up to 256 characters</i> <i>or</i> NIL	RMK: SWX EVENT HAS CEASED WWW.SPACEWEATHER PROVIDER.GOV NIL
14	Next advisory (M)	Year, month, day and time in UTC	NXT ADVISORY: nnnnnnnn/nnnnZ <i>or</i> NO FURTHER ADVISORIES <i>or</i> WILL BE ISSUED BY nnnnnnnn/nnnnZ	NXT ADVISORY: 20161108/0700Z NO FURTHER ADVISORIES WILL BE ISSUED BY 20210726/1800Z

주석

1. 시험 또는 훈련 중임을 표시하기 위한 전문에만 사용. 단어 “TEST” 또는 약어 “EXER”가 포함되면, 이 메시지에는 운영상 사용되지 않을 정보가 포함될 수 있으며, 그렇지 않으면 단어 “TEST” 다음에 정보가 끝남.
2. 가상의 장소
3. 같은 강도를 지닌 하나 이상의 영향 요소는 합쳐서 나타낼 수 있다.
4. 하나 이상의 위도 범위가 우주기상주의보 정보에 포함될 수 있다

<예시 5-1> 우주기상주의보 전문 (GNSS 및 HF COM 영향)

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SWX ADVISORY

DTG:                20161108/0100Z
SWXC:              DONLON*

ADVISORY NR:       2016/2
NR RPLC:           2016/1
SWX EFFECT:        HF COM MOD AND GNSS MOD
OBS SWX:           08/0100Z HNH HSH E18000 - W18000
FCST SWX +6 HR:   08/0700Z HNH HSH E18000 - W18000
FCST SWX +12 HR:  08/1300Z HNH HSH E18000 - W18000
FCST SWX +18 HR:  08/1900Z HNH HSH E18000 - W18000
FCST SWX +24 HR:  09/0100Z NO SWX EXP
RMK:               LOW LVL GEOMAGNETIC STORMING CAUSING INCREASED AURORAL
                   ACT AND SUBSEQUENT MOD DEGRADATION OF GNSS AND HF COM
                   AVBL IN THE AURORAL ZONE. THIS STORMING EXP TO SUBSIDE IN
                   THE FCST PERIOD. SEE WWW.SPACEWEATHERPROVIDER.WEB

NXT ADVISORY:      NO FURTHER ADVISORIES

* Fictitious location
    
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<예시 5-2> 우주기상주의보 전문 (RADIATION 영향)

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SWX ADVISORY

DTG:                20161108/0000Z
SWXC:              DONLON*

ADVISORY NR:       2016/2
NR RPLC:           2016/1
SWX EFFECT:        RADIATION MOD
FCST SWX:           08/0100Z HNH HSH E18000 - W18000 ABV FL 350
FCST SWX +6 HR:   08/0700Z HNH HSH E18000 - W18000 ABV FL 350
FCST SWX +12 HR:  08/1300Z HNH HSH E18000 - W18000 ABV FL 350
FCST SWX +18 HR:  08/1900Z HNH HSH E18000 - W18000 ABV FL 350
FCST SWX +24 HR:  09/0100Z NO SWX EXP
RMK:               RADIATION LVL EXCEEDED 100 PCT OF BACKGROUND LVL AT FL350
                   AND ABV. THE CURRENT EVENT HAS PEAKED AND LVL SLW_RTN TO
                   BACKGROUND LVL. SEE WWW.SPACEWEATHERPROVIDER.WEB

NXT ADVISORY:      NO FURTHER ADVISORIES

* Fictitious location
    
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<예시 5-3> 우주기상주의보 전문 (HF COM 영향)

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SWX ADVISORY

DTG:                20161108/0100Z
SWXC:              DONLON*

ADVISORY NR:       2016/1
SWX EFFECT:       HF COM SEV
OBS SWX:          08/0100Z DAYLIGHT SIDE
FCST SWX +6 HR:   08/0700Z DAYLIGHT SIDE
FCST SWX +12 HR:  08/1300Z DAYLIGHT SIDE
FCST SWX +18 HR:  08/1900Z DAYLIGHT SIDE
FCST SWX +24 HR:  09/0100Z NO SWX EXP
RMK:              PERIODIC HF COM ABSORPTION AND LIKELY TO CONT IN THE NEAR
                  TERM. CMPL AND PERIODIC LOSS OF HF ON THE SUNLIT SIDE OF THE
                  EARTH EXP. CONT HF COM DEGRADATION LIKELY OVER THE NXT
                  7 DAYS. SEE WWW.SPACEWEATHERPROVIDER.WEB

NXT ADVISORY:     20161108/0700Z

* Fictitious location
    
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<첨부> 우주기상주의보 정보를 위한 공간범위와 해상도

<i>Element to be forecast</i>		<i>Range</i>	<i>Resolution</i>
Flight level affected by radiation		250 – 600	10
Longitudes for advisories (degrees)		000 – 180	15
Latitudes for advisories (degrees)		00 – 90	10
Latitude bands for advisories:	High latitudes northern hemisphere (HNN)	N9000 – N6000	30
	Middle latitudes northern hemisphere (MNN)	N6000 – N3000	
	Equatorial latitudes northern hemisphere (EQN)	N3000 – N0000	
	Equatorial latitudes southern hemisphere (EQS)	S0000 – S3000	
	Middle latitudes southern hemisphere (MSN)	S3000 – S6000	
	High latitudes southern hemisphere (HSN)	S6000 – S9000	