



International Civil Aviation Organization

**FIFTEENTH MEETING OF THE ASIA/PACIFIC METEOROLOGICAL
INFORMATION EXCHANGE WORKING GROUP
(MET/IE WG/15)**

Bangkok, Thailand, 20 – 22 March 2017

Agenda Item 3: Meteorological information exchange schemes

SIGMET/AIRMET changes
(Presented by the Republic of Korea)

SUMMARY

This paper presents an update on changes to OPMET information and bulletins generated by Aviation Meteorological Office (AMO) in the Republic of Korea.

1. INTRODUCTION

1.1 In the Republic of Korea OPMET bulletins are generated by the Aviation Meteorological Integrated System (AMIS). The Aviation Meteorological Office (AMO) of the Korea Meteorological Administration (KMA) has improved the AMIS software to apply Amendment 77 to Annex 3 in December 2016. And AMO plans to change the content of some bulletins because they do not comply with ICAO Annex 3 and ASIA /PAC ANP, Volume II, Part V – METEOROLOGY(MET).

2. DISCUSSION

2.1 The AMIS software has been improved to apply Amendment 77 to Annex 3 in 2016 as follows.

AIRMET template change

a) SFC WSPD nn/[n]KT → SFC WIND nnn/nn[n]KT (**Fig. 1.**)

SIGMET template changes

a) The SIGMET edit program for the Tropical cyclone has been entirely reconfigured.

(**Fig. 2.**)

b) FCST nnnnZ → FCST AT nnnnZ

	Before	After
AIRMET edit program	위험기상 정보내용 RKRR AIRMET S01 VALID 020326/020726 RKSI- RKRR INCHEON FIR SFC WSPD [] KT OBS [v] <input type="checkbox"/> AT [] Z 영역그리기 N [] E [] N [] E [] N [] E [] N [] E [] N [] E [] N [] E [] N [] E [] N [] E [] MOV [v] N [v] [] KT NC [v] =	위험기상 정보내용 RKRR AIRMET Z01 VALID 270837/271237 RKSI- RKRR INCHEON FIR SFC WIND [] / [] KT OBS [v] <input type="checkbox"/> AT [] Z 영역그리기 N [] E [] N [] E [] N [] E [] N [] E [] N [] E [] N [] E [] N [] E [] N [] E [] MOV [v] N [v] [] KT NC [v] =
AIRMET message example	RKRR AIRMET A01 VALID 200000/200400 RKSI- RKRR INCHEON FIR SFC WSPD 30KT OBS WI N3759 E12356 - N3759 E12448 - N3702 E12621 - N3438 E12628 - N3444 E12914 - N3230 E12729 - N3220 E12355 - N3759 E12356 STNR NC=	RKRR AIRMET A01 VALID 200000/200400 RKSI- RKRR INCHEON FIR SFC WIND 340/30KT OBS WI N3759 E12356 - N3759 E12448 - N3702 E12621 - N3438 E12628 - N3444 E12914 - N3230 E12729 - N3220 E12355 - N3759 E12356 STNR NC=

Fig. 1. AMIS software for AIRMET change

	Before	After
SIGMET edit program	위험기상 정보내용 RKRR SIGMET E01 VALID 020202/020602 RKSI- INCHEON FIR TC [] OBS [v] AT [] Z N [] E [] CB TOP [v] FL [] WI [] KM OF CENTRE MOV [v] N [v] [] KT NC [v] FCST [] Z TC CENTRE N [] E [] SIZE : [] [] 변경 지우기 입력완료	위험기상 정보내용 RKRR SIGMET O01 VALID 270732/271132 RKSI- INCHEON FIR TC [] PSN N [] E [] CB OBS [v] AT [] Z WI [] KM OF TC CENTRE TOP [v] FL [] MOV [v] N [v] [] KT NC [v] FCST AT [] Z TC CENTRE PSN N [] E [] SIZE : [] [] 변경 지우기 입력완료
SIGMET message example	RKRR SIGMET A01 VALID 200600/201200 RKSI- RKRR INCHEON FIR TC CHABA OBS AT 0500Z N3560 E13040 CB TOP FL490 WI 100KM OF CENTRE MOV ENE 22KT WKN FCST 1200Z TC CENTRE N3720 E13520=	RKRR SIGMET A01 VALID 200600/201200 RKSI- RKRR INCHEON FIR TC CHABA PSN N3560 E13040 CB OBS AT 0500Z WI 100KM OF TC CENTRE TOP FL490 MOV ENE 22KT WKN FCST AT 1200Z TC CENTRE PSN N3720 E13520=

Fig. 2. AMIS software for WC SIGMET change

2.2 There will be changes in the AMIS software in late July to rectify the following anomaly.

a) ICAO location indicator (CCCC) in WMO header on SIGMET will be changed to be **RKSI**.

3. ACTION REQUIRED BY THE MEETING

3.1 The meeting is invited to note the information in this paper.
