International Civil Aviation Organization

WORKING PAPER

ICAO Asia and Pacific (APAC)
Twenty-Seventh Meeting of the Meteorology Sub-Group
(MET SG/27)

Bangkok, Thailand, 04 to 08 September 2023

Agenda Item 3: Air navigation deficiencies

RESOLUTION OF AIR NAVIGATION DEFICIENCY

(Presented by Nepal)

SUMMARY

This paper outlines the work done by Nepal for the resolution of MET air navigation deficiency number AP-MET-14. The information provided in this paper is evidence to support the removal of deficiency AP-MET-23 from the APANPIRG list.

1. INTRODUCTION

1.1 As defined by APANPIRG, an air navigation deficiency is a situation where a facility, service or procedure does not comply with a regional air navigation plan approved by the Council, or with related ICAO Standards and Recommended Practices (SARPs), and which situation has a negative impact on the safety, regularity or efficiency of international civil aviation[1].

1.2 A deficiency was identified by APANPIRG as Requirements for issuance and dissemination of SIGMET information for Kathmandu FIR had not been fully implemented. This was first reported in 2000 and given priority A for action. The status was updated in September 2017 and APANPIRG/28 noted that Nepal should verify the status of implementation of CAP and work together with ICAO to develop and properly record the remaining steps of the CAP to resolve the deficiency.

1.3 Ms. Christy Leung (HKO) suggested Nepal to prepare a working paper and attach the confirmation letters and submit to MET SG/27 meeting. She recommended Nepal to attend MET SG/27 meeting physically to report in the meeting.

1.4 MET/S/WG/13 summarized the statistics of SIGMETs issued by Nepal during 2022-2023.

[1] APANPIRG Procedural Handbook, 6th edition, 1 June 2020, Part V, Section 2, paragraph 1.3

It also outlined the works done by Nepal to remove from SIGMET deficiency.

1.5 This paper presents the all corrective actions taken by Nepal to address the deficiency.

2. DISCUSSION

2.1 Nepal is required to establish a mechanism to observe, compose, and disseminate weather information for international air navigation in accordance with ICAO Annex 3.

2.2 The agency responsible for the issuance of weather reports in Nepal, including SIGMET, is the Meteorological Forecasting Division (MFD) under the Department of Hydrology and Meteorology (DHM).

2.3 DHM Nepal has issued around 500 SIGMETs in 2022. Besides, DHM Nepal participated in the annual APAC region SIGMET test, joined the SSEA SigCoord project and tried to carry out SIGMET coordination with neighbouring MWOs. Currently Nepal is not issuing IWXXM SIGMET yet. But DHM will be able to provide SIGMET in IWXXM format via the tool purchased from Meteo France International (MFI) when Civil Aviation Authority of Nepal (CAAN) upgrades the existing Automatic Message Handling System (AMHS) system and links with our workstation.

2.4 Nepal is encouraged to use and hence using the HKO Platform to carry out SIGMET coordination activities.

2.5 The corrective action taken to ensure provision of meteorological services for international air navigation are listed below:

a) Hydromet workstation (SYNERGIEWEB) has been established at MFD to compose SIGMET information with coordinates, height, speed, and direction for TS phenomena.
b) Hydromet workstation has been used to create SIGMET messages
c) Automatic Message Handling System (AMHS) supplied by the Civil Aviation Authority of Nepal (CAAN) is used to disseminate SIGMET and other weather reports.
d) SIGMET information is coordinated between KATHMANDU FIR and adjoining FIR via SSEA SIGMET Coordination project.
e) Nepal is regularly participating in SIGMET tests.

2.6 There is an effective dissemination mechanism, established by CAAN to ensure SIGMET and other weather reports issued by the MET agency which is regularly delivered to ATS units and airline operators. MFD has already stated that we received confirmation letters from airlines and civil aviation department on their SIGMET issuance (Evidence of MET deficiency resolution have been provided in the appendix).

2.7 MFD, DHM has already upgraded SIGMET and other weather reports to the IWXXM format and is awaiting upgrading of AMHS systems to the IWXXM format.

2.8 Formal agreement between different departments of CAAN and DHM to ensure streamlined service delivery by the MET agency in Nepal has been established.

2.9 All formal agreements will be revisited as and when required when the situation warrants (government policy updates) going forward.

- Attachment 1: Evidences of ‘Regular and timely receipt of meteorological information for air navigation purpose’

- Attachment 2: Type of SIGMET possible to produce by SYNERGIEWEB
- Attachment 3: Sample of WS SIGMET production window in SYNERGIEWEB
- Attachment 4: Sample of WS SIGMET produced by SYNERGIEWEB
- Attachment 5: SIGMET TEST result 2021
- Attachment 6: Sample of SIGMET dissemination platform (AMHS)
- Attachment 7: Sample of VA Advisory received from the AMHS system
- Attachment 8: Sample of TAF message sent by Nepal
- Attachment 9: Sample of wind and temperature chart provided for air navigation purpose

2.10 Letter of Support to confirm regular and timely receipt of meteorological information for air navigation purpose was sought as evidence from ATS, CAAN, and airline operators.Some of the support letters from these organizations has been attached in appendix.

3. ACTION BY THE MEETING

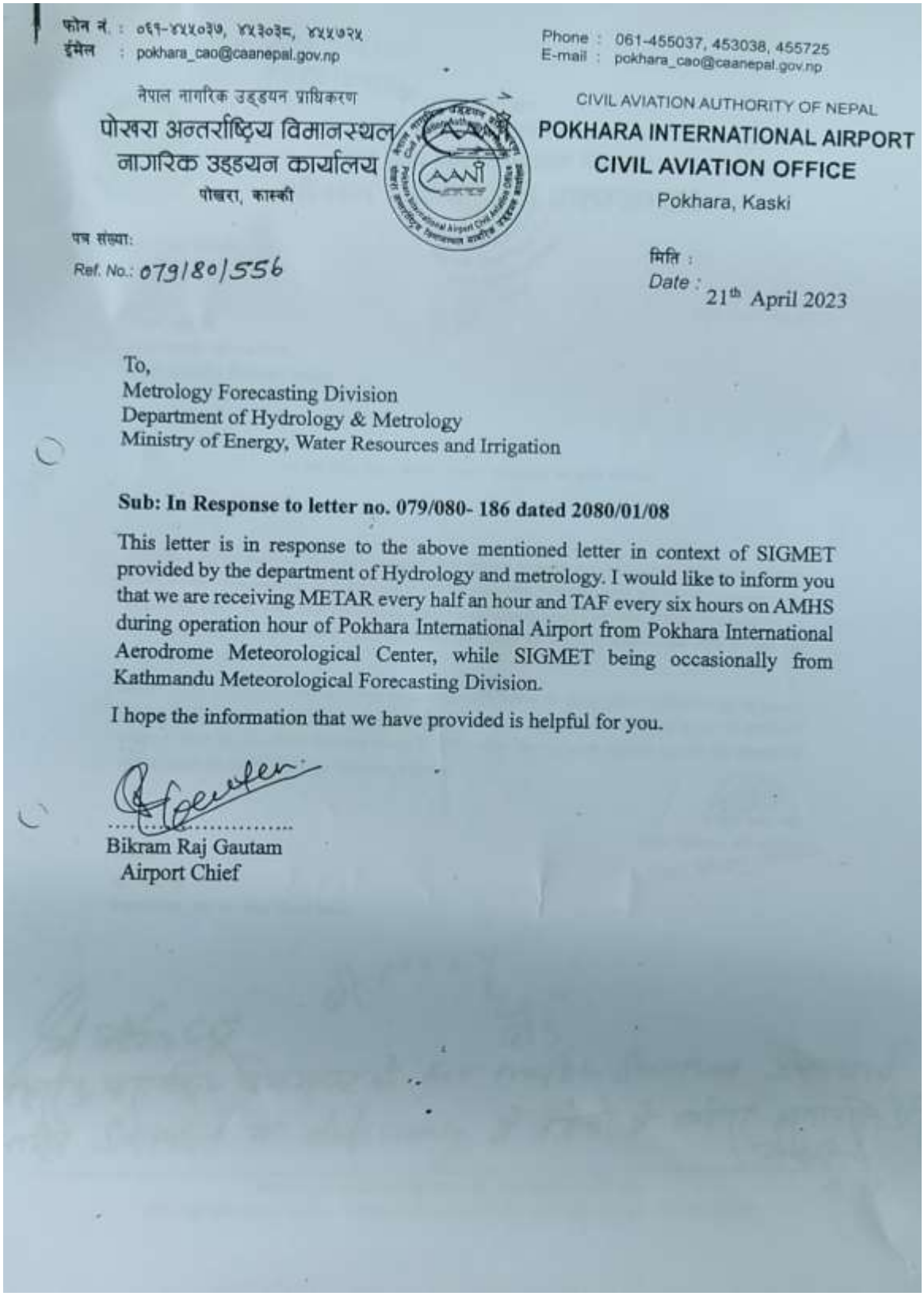
3.1 On the basis of establishing the resolution status of this deficiency (AP-MET-14), MFD/DHM sincerely requests to review the evidence covered in section two (2) of this paper.

3.2 On the basis of the review, it is requested to APANPIRG to remove Nepal from Def. ID AP-MET-14.

– – – – – – – –

APPENDIX

1. Evidences of 'Regular and timely receipt of meteorological information for air navigation purpose'



फोन नं. : ०६१-४५५०३७, ४५३०३८, ४५५७२५
ईमेल : pokhara_cao@caanepal.gov.np

Phone : 061-455037, 453038, 455725
E-mail : pokhara_cao@caanepal.gov.np

नेपाल नागरिक उड्डयन प्राधिकरण
पोखरा अन्तर्राष्ट्रिय विमानस्थल
नागरिक उड्डयन कार्यालय
पोखरा, कास्की

CIVIL AVIATION AUTHORITY OF NEPAL
POKHARA INTERNATIONAL AIRPORT
CIVIL AVIATION OFFICE
Pokhara, Kaski

पत्र संख्या:
Ref. No.: 079/80/556

मिति :
Date : 21th April 2023

To,
Metrology Forecasting Division
Department of Hydrology & Metrology
Ministry of Energy, Water Resources and Irrigation

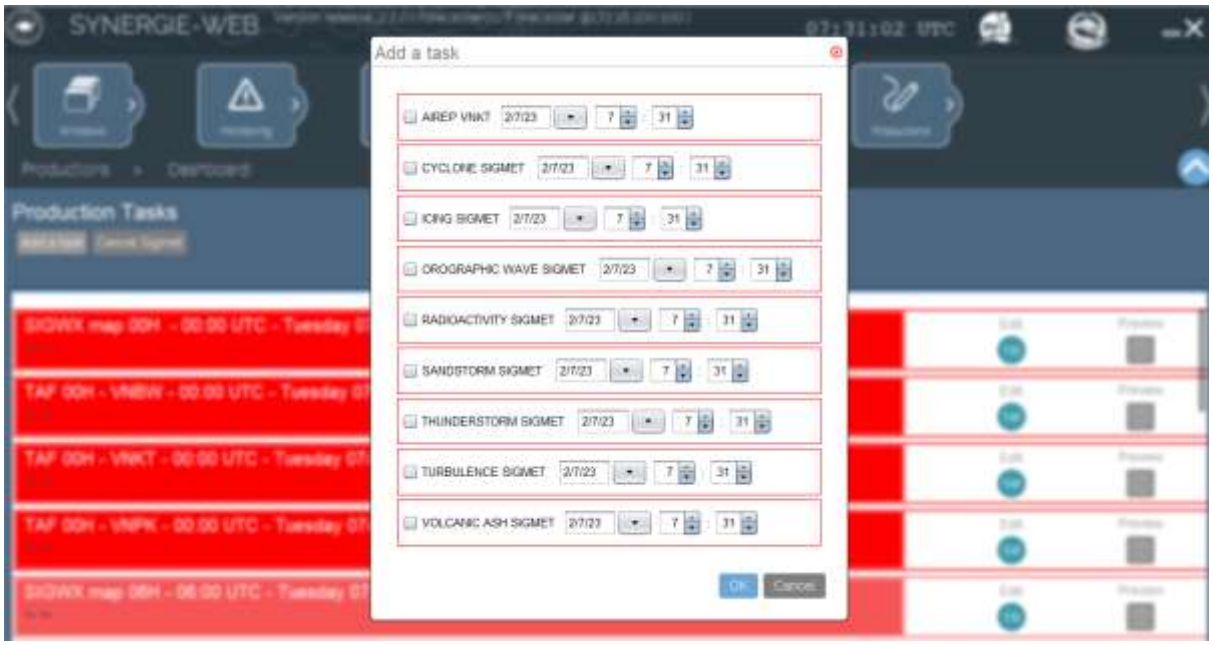
Sub: In Response to letter no. 079/080- 186 dated 2080/01/08

This letter is in response to the above mentioned letter in context of SIGMET provided by the department of Hydrology and metrology. I would like to inform you that we are receiving METAR every half an hour and TAF every six hours on AMHS during operation hour of Pokhara International Airport from Pokhara International Aerodrome Meteorological Center, while SIGMET being occasionally from Kathmandu Meteorological Forecasting Division.

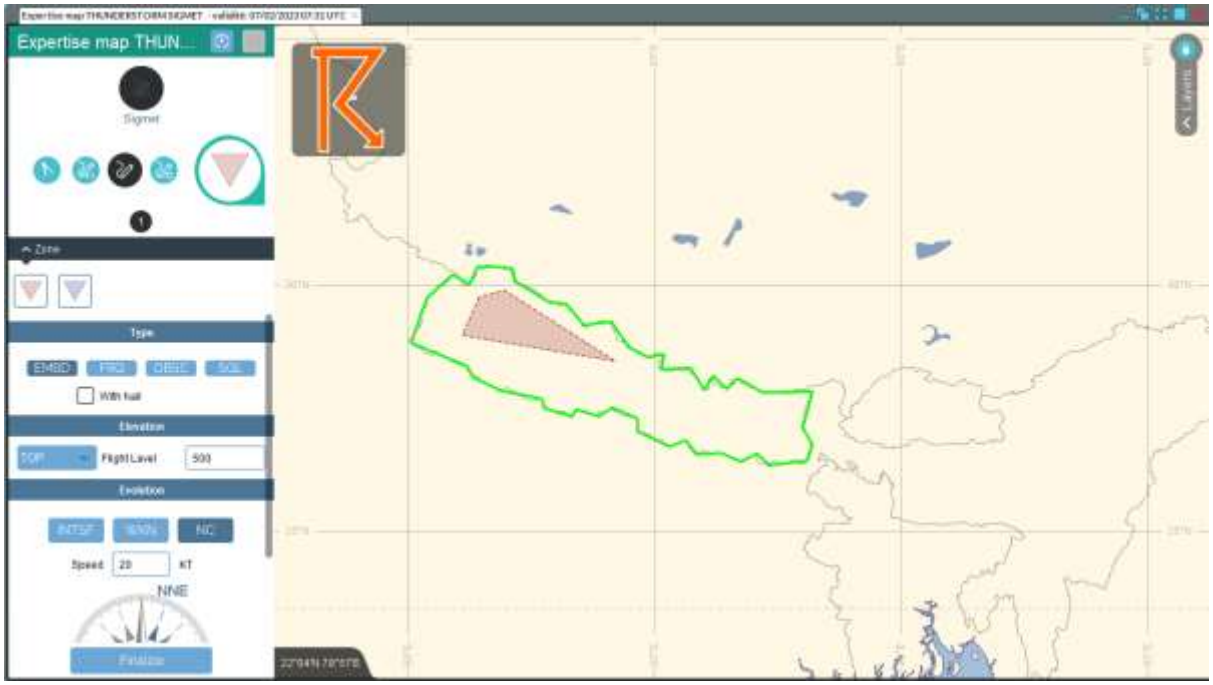
I hope the information that we have provided is helpful for you.

Bikram Raj Gautam
Airport Chief

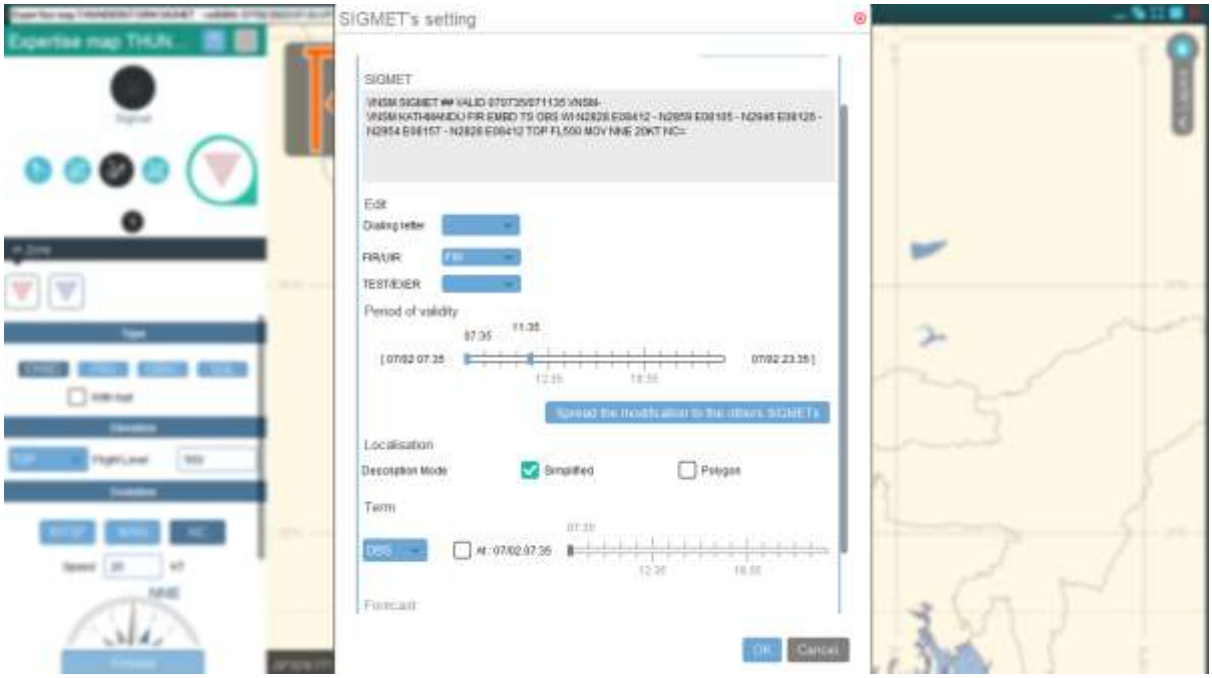
2. Type of SIGMET possible to produce by SYNERGIEWEB



3. Sample of WS SIGMET production window in SYNERGIEWEB



4. Sample of WS SIGMET produced by SYNERGIEWEB



5. SIGMET TEST result 2021

MET/E WG/20 – WP/C02
Agenda Item C2
28-30/03/22

-9-

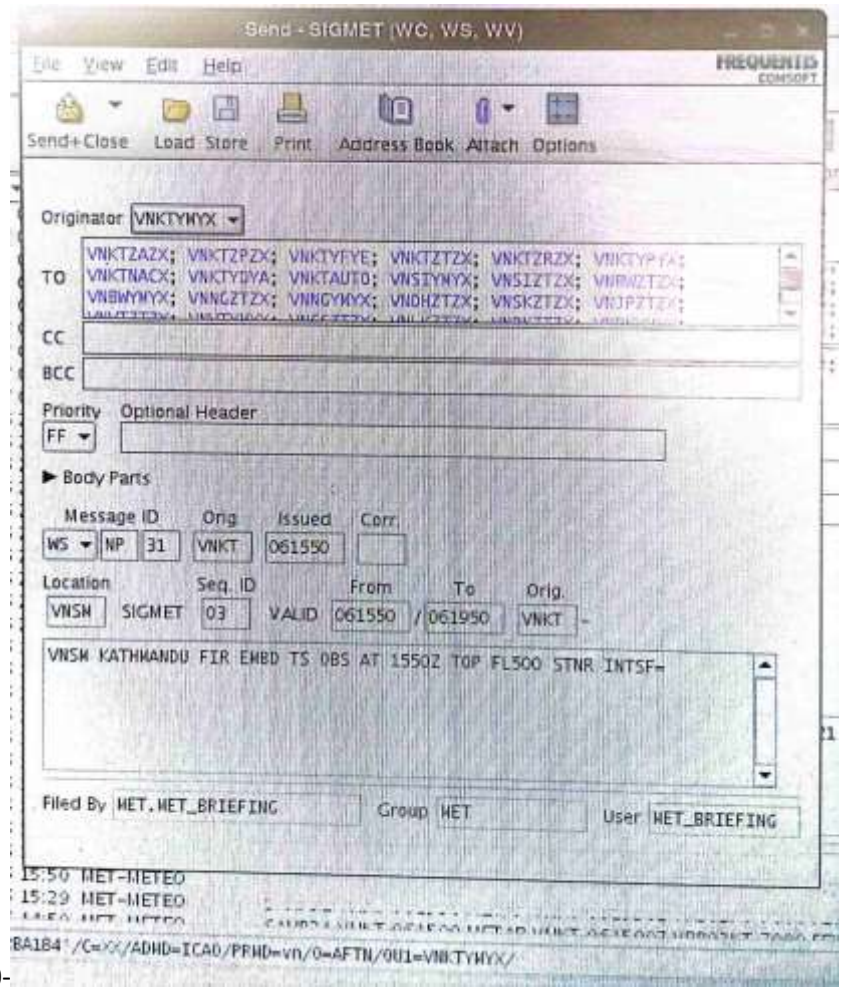
Appendix 6: Table of WV SIGMET test

MWO details in APRC Regional SIGMET TEST Procedures 2021 / SIGMET Guide														Test Result							
														Received Time(UTC)							
State	MWO name	MWO	TTAAii	CCCC	FIR	FI	TTAAii	CCCC	TTGGgg	MWO	FIR	VAAC	VTBB	WSSS	YBBB	NFFN	RJTD	RUTH	Remarks
AFGHANISTAN	KABUL	OAKB	WVAI01	OAKX															
AUSTRALIA	MELBOURNE	YMMC	WVAU01	YMMC	YMMM	FF	WVAU01	YMMC	160807	YMMC	YMMM	Darwin	2132	2107	2049	2107	2118	2109	
						FF	WVAU01	YMMC	160806	YMMC	YBBB	Darwin	2117	2106	2110	2106	2117	2110	
BANGLADESH	DHAKA	VGHS	WVBW80	VGHS	VGFR														
CAMBODIA	PHNOM PENH	ZUUU	WVKP01	VDPP	VDPP	KK	WVKP01	VDPP	160935	VDPP	VDPP	-	2135	2135		2145	2135		incorrect priority (KK)
CHINA	BEIJING	ZBAA	WVCI03	ZBAA	ZBPE	FF	WVCI03	ZBAA	160825	ZBAA	ZBPE	Tokyo	2124	2124	2125	2126	2124	2125	
	CHENGDU	ZUUU	WVCI06	ZUUU	ZPKM	FF	WVCI06	ZUUU	160802	ZUUU	ZPKM	Tokyo	2103	2103	2104	2109	2103	2104	
	GUANGZHOU	ZGGG	WVCI05	ZGGG	ZGZU	FF	WSCI05	ZGGG	160806	ZGGG	ZGZU	Tokyo			2109				incorrect header (WS)
	HAIKOU	ZJHK	WVCI02	ZJHK	ZJSA	FF	WVCI02	ZJHK	160806	ZJHK	ZJSA	Tokyo/Anchorage	2111	2111	2109	2107	2107	2112	
	HONG KONG	VHHH	WVHK80	VHHH	VHHK	FF	WVHK80	VHHH	160808	VHHH	VHHK	Tokyo	2103	2103	2104	2108	2103	2103	
	SHANGHAI	ZSSS	WVCI04	ZSSS	ZSHA	FF	WVCI04	ZSSS	160801	ZSSS	ZSHA	Tokyo	2103	2101	2103	2106	2102	2102	
	SHENYANG	ZYTX	WVCI06	ZYTX	ZYSH	FF	WVCI06	ZYTX	160805	ZYTX	ZYSH	Tokyo	2107	2106	2105	2106	2106	2107	
	TAIPEI	RCTP	WVCI01	RCAA	RCTP	FF	WVCI01	RCTP	160811	RCTP	RCAA	Tokyo	2100	2110	2111	2111	2109	2110	
	URUMQI	ZWWW	WVCI09	ZWWW	ZWUQ	FF	WVCI09	ZWWW	160806	ZWWW	ZWUQ	Seoul	2107	2106	2106	1100	2105	2106	
	WUHAN	ZHHH	WVCI10	ZHHH	ZHWH	FF	WVCI10	ZHHH	160803	ZHHH	ZHWH	Tokyo	2105	2104	2105	2103		2105	
	XIAN	ZLXY	WVCI07	ZLXY	ZLHW	FF	WVCI07	ZLXY	160806	ZLXY	ZLHW	Tokyo	2106	2107	2103	2105	2107	2108	
DPR KOREA	SUNAN	ZKPY	WVKS01	ZKPY	ZKKP	FF	WVKS01	ZKPY	160805	ZKPY	ZKKP	Tokyo	2103	2101	2103	2104	2103	2102	
FIJI	NADI	NFFN	WVFJ01	NFFF	NFFF	FF	WVFJ01	NFFF	160805	NFFF	NFFF	Wellington	2105	2104	2105	2130	2106	2105	incorrect time
FRENCH POLYNESIA	TAHITI	NTAA	WVFP01, 22	NTAA	NTTT	FF	WVFP01	NTAA	160805	NTAA	NTTT	Wellington	2113	2106	2100	2107	2113	2116	incorrect header (G = 20), Incorrect MWO
INDIA	CHENNAI	VOMM	WVIN01	VOMM	VOMF	FF	WVIN01	VOMM	160806	VOMM	VOMF	Darwin	2106	2107	2105	2107	2107	2108	
	KOLKATA	VECC	WVIN01	VECC	VECF	FF	WVIN01	VECC	160815	VECC	VECF	Tokyo	2105	2105	2106	2106	2105	2106	
	MUMBAI	VABB	WVIN01	VABB	VABF	FF	WVIN01	VABB	160810	VABB	VABF	Tokyo	2104	2103	2104	2102	2103	2104	
	NEW DELHI	VIDP	WVIN01	VIDP	VIDF	FF	WVIN01	VIDP	160800	VIDP	VIDF	Tokyo	2101	2101	2103		2101	2102	
INDONESIA	JAKARTA	WIII	WVID01	WIII	WIIF	FF	WVID01	WIII	160808	WIII	WIIF	Darwin	2103	2103	2104	2108	2103	2104	
	MAKASSAR	WAAA	WVID01	WAAA	WAAF	FF	WVID01	WAAA	160802	WAAA	WAAF	Darwin	2104	2103	2105	2106	2103	2104	
JAPAN	TOKYO	RJTD	WVJP01	RJAA	RJJJ	FF	WVJP01	RJTD	160808	RJTD	RJJJ	Tokyo	2106	2105	2106	2105	2106	2106	
LAO PDR	VIENTIANE	VLVT	WVLA01	VLVT	VLVT	FF	WVLA01	VLVT	160805	VLVT	VLVT	Tokyo	2100	2100	2101	2106	2100	2100	
MALAYSIA	KUALA LUMPUR	WMKK	WVMS01	WMKK	WMFC	FF	WVMS01	WMKK	160801	WMKK	WMFC	Darwin	2102	2102	2103	1100	2102	2103	
					WSFC	FF	WVMS01	WMKK	160806	WMKK	WSFC	Darwin	2106	2105	2106	2106	2105	2106	
MALDIVES	MALE	VRMM	WVMV01	VRMM	VRMF														
MONGOLIA	ULAANBAATAR	ZMUH	WVMO01	ZMUH															
MYANMAR	YANGON	VYYY	WVIB01	VYYY															
NAURU	NAURU	ANYN	WVSN20	ANYN	ANAU														
NEPAL	KATHMANDU	VNKT	WVNP01	VNKT	VNSM	FF	WVNP01	VNKT	160808	VNKT	VNSM	Tokyo	2107	2107	2107		2105	2107	
NEW ZEALAND	WELLINGTON	NZKL	WVNZ01	NZKL	NZZO	FF	WVNZ01	NZKL	160137	NZKL	NZZO	Wellington	2106	2100	2106	2106	2105	2106	incorrect time
						FF	WVPS01	NZKL	160158	NZKL	NZZO	Wellington	2105	2104	2118	2104	2105	2105	incorrect time
PAKISTAN	KARACHI	OPKC	WVPK31	OPKC	OPKR	FF	WVPK31	OPKC	160800	OPKC	OPKR	Tokyo	2130	2130	2122	2105	2120	2121	
	LAHORE	OPLA	WVPK31	OPLA	OPLR	FF	WVPK31	OPLA	160806	OPLA	OPLR	Tokyo	2109	2106	2110	2106		2109	
PAPUA NEW GUINEA	PORT MORESBY	AYPY	WVPG80	AYPY	AYPY														
PHILIPPINES	MANILA	RPLL	WVPH01	RPLL	RPHI														
REPUBLIC OF KOREA	INCHEON	RKSI	WVKO01	RKSI	RKRR	FF	WVKO01	RKSI	160805	RKSI	RKRR	Tokyo	2105	2104	2100	2106	2104	2106	
SINGAPORE	SINGAPORE	WSSS	WVSG80	WSSS	WSJC	FF	WVSG80	WSSS	160806	WSSS	WSJC	Darwin	2106	2106	2106	2106	2105	2106	
SOLOMON ISLANDS	HONIARA	AGGH	WVSO20	AGGH	AGGG	FF	WSSO20	AGGH	160229	AGGH	AGGG	Wellington/Nauru	2103	2103	2100	2103	2121		incorrect header (WS), resent at 0804 with WV
SRI LANKA	COLOMBO	VCBI	WVSS01	VCBI	VCCF	FF	WSSS01	VCBI	160800	VCBI	VCCF	Darwin			2113		2113		incorrect header (WS)
THAILAND	BANGKOK	VTBB	WVTH01	VTBB	VTBH	FF	WVTH01	VTBB	160803	VTBB	VTBH	Tokyo/Darwin	2104	2103	2105	2106	2103	2104	
VIET NAM	DA LAT	VVDL	WVVS01	VVGL	VVTM	FF	WVVS01	VVGL	160806	VVGL	VVTM	Tokyo/Darwin	2130	2110	2111	2118	2110	2111	
					VVTS	FF	WVVS01	VVGL	160805	VVGL	VVTS	Tokyo/Darwin	2107	2106	2106	2106	2106	2107	
UNITED STATES	HONOLULU	PHFO	WVPA01	PHFO	KZAK	GG	WVPA01	PHFO	160805	PHFO	KZAK	Washington		2106	2107		2106	2106	incorrect priority (GG)
	ANCHORAGE	PAWU	WVAK01 09	PAWU	PAZA	GG	WVAK06	PAWU	160800	PANC	PAZA	-	2132	2102	2103		2102	2104	incorrect priority (GG)
	KANSAS CITY	KKCI	WVKN01-03	KKCI	KZAK	GG	WVKN01-09	KKCI	160805	KKCI	KZAK	Washington		2108	2110	2106	2108	2109	incorrect priority (GG)
RUSSIAN FEDERATION	HABAROVSK	UHHH	WVRA01	UHHH	UHWW	FF	WVRA01	UHHH	160801	UHHH	UHWW	Tokyo	2105	2104	2106	2104	2104	2105	
	KHABAROVSK/NOVY	UHHH	WVRA01	UHHH	UHWW	FF	WVRA01	UHHH	160800	UHHH	UHWW	Tokyo	2107	2105	2107	2105	2105	2106	
	KRASNOYARSK	UNKL	WVRA01	UNKL	UNKL	FF	WVRA01	UNKL	160808	UNKL	UNKL	Tokyo	2108	2102	2104	2102	2102	2103	
	MAGADAN/SOKOL	UHMM	WVRA01	UHMM	UHMM	FF	WVRA01	UHMM	160805	UHMM	UHMM	Tokyo	2107	2106	2106	2106	2107	2107	
	YAKUTSK	UEEE	WVRA01	UEEE	UEEE	FF	WVRA01	UEEE	160806	UEEE	UEEE	Tokyo		2106			2106	2107	
		UHPP	WVRA01	UHPP	UHPP	FF	WVRA01	UHPP	160802	UHPP	UHPP	Tokyo		2102			2102	2102	
Not listed in SIGMET GUIDE																			
SAUDI ARABIA	JEDDAH	OEJD	WVSJ01	OEJD	OEJD	GG	WVSJ01	OEJD	160800	OEJD	OEJD	-	2100	2101			2101	2103	incorrect priority (GG)

Appendix 5: Table of WC SIGMET test

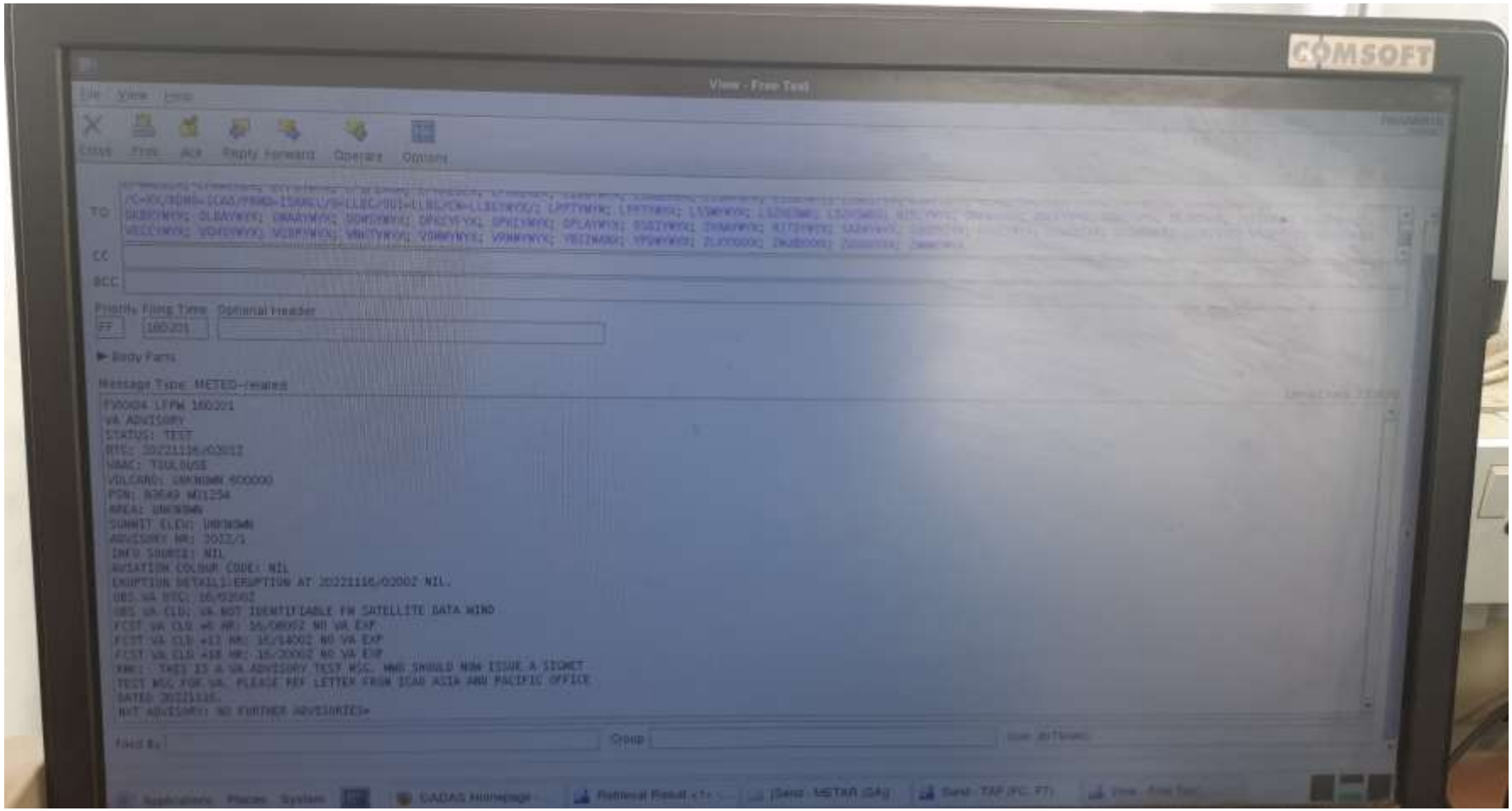
MWO details in APEC Regional SIGMET TEST Procedures 2021 / SIGMET Guide						Test Result													
State	MWO name	MWO	TTAAii	CCCC	FIR	PI	TTAAii	CCCC	YYGGgg	MWO	FIR	TCAC	Received Time(UTC)						Remarks
													VTBB	WSSS	YBBB	NFFN	RJTD	EUR	
AUSTRALIA	MELBOURNE	YMMC	WCAU01	YMMC	YBBB	FF	WCAU01	YMMC	080213	YMMC	YBBB	Nadi/La Reunion	2:14	2:14	2:15	2:13	2:15	2:14	
					YMMM	FF	WCAU01	YMMC	080226	YMMC	YMMM	-	2:26	2:26	2:28	2:26	2:28	2:27	
BANGLADESH	DHAKA	VGHS	WCBW20	VGHS	VGFR	FF	WCBW20	VGHS	080230	VGHS	VGFR	-	2:42	2:42	2:44		2:42	3:16	
CAMBODIA	PHNOM PENH	VDPP	WCKP31	VDPP	VDPF	FF	WCKP31	VDPP	080205	VDPP	VDPF	-	2:06	2:05		2:05	2:06	2:07	
CHINA	BEIJING	ZBAA	WCCI33	ZBAA	ZBPE	FF	WCCI33	ZBAA	080205	ZBAA	ZBPE	Tokyo	2:05	2:05	2:06	2:05	2:05	2:06	
	CHENGDU	ZUUU	WCCI36	ZUUU	ZPKM	FF	WCCI36	ZUUU	080203	ZUUU	ZPKM	Tokyo	2:03	2:04	2:05	2:03	2:04	2:05	
	GUANGZHOU	ZGGG	WCCI35	ZGGG	ZGZU	FF	WCCI35	ZGGG	080205	ZGGG	ZGZU	Tokyo	2:03	2:03	2:05	2:05	2:04	2:04	
	HAIKOU	ZJHK	WCCI35	ZJHK	ZJSA	FF	WCCI35	ZJHK	080214	ZJHK	ZJSA	Tokyo	2:14	2:14	2:16	2:14	2:15	2:16	
	HONG KONG	VHHH	WCSS20	VHHH	VHHK	FF	WCSS20	VHHH	080202	VHHH	VHHK	Tokyo	2:02	2:02	2:04		2:02	2:03	
	SHANGHAI	ZSSS	WCCI34	ZSSS	ZSHA	FF	WCCI34	ZSSS	080210	ZSSS	ZSHA	Tokyo	2:13	2:12	2:10	2:11	2:12	2:12	
	TAIBEI	RCTP	WCCI31	RCTP	RCAA	FF	WCCI31	RCTP	080212	RCTP	RCAA	Tokyo	2:18	2:19	2:13	2:12			
DPR KOREA	SUNAN	ZKPY	WCKR31	ZKPY	ZKKP	FF	WCKR31	ZKPY	080205	ZKPY	ZKKP	Tokyo	2:05	2:05	2:07	2:05	2:05	2:07	
FIJI	NADI	NFFN	WCFJ01,02,...	NFFN	NFFF	FF	WCFJ01	NFFN	080205	NFFN	NFFF	Nadi	2:05	2:05	2:06	2:05	2:05	2:06	
FRENCH POLYNESIA	TAHITI	NTAA	WCPF21	NTAA	NTTT	FF	WCPF20	NTAA	080235	NTAA	NTTT	-	2:35	2:43	2:36	2:35	2:36	2:36	
INDIA	CHENNAI	VOMM	WCIN31	VOMM	VOMF	FF	WCIN31	VOMM	080205	VOMM	VOMF	New Delhi	2:09	2:08	2:10	2:09	2:09	2:09	
	MUMBAI	VABB	WCIN31	VABB	VABF	FF	WCIN31	VABB	080201	VABB	VABF	New Delhi	2:04	2:04	2:05	2:05	2:04	2:05	
	NEW DELHI	VIDP	WCIN31	VIDP	VIDF	FF	WCIN31	VIDP	080200	VIDP	VIDF	New Delhi	2:02	2:02	2:04	2:01	2:02	2:03	
	KOLKATA	VECC	WCIN31	VECC	VECF	FF	WCIN31	VECC	080205	VECC	VECF	New Delhi	2:06	2:06	2:07	2:05	2:06	2:07	
INDONESIA	JAKARTA	WIII	WCID20	WIII	WIIZ	FF	WCID20	WIII	080213	WIII	WIIZ	-	2:31	2:02	2:03	2:01	2:02	2:03	
	MAKASSAR	WAAA	WCID21	WAAA	WAAZ	FF	WCID21	WAAA	080202	WAAA	WAAZ	Tokyo	2:03	2:04	2:05	2:03	2:03	2:05	
JAPAN	TOKYO	RJTD	WCJP31	RJTD	RJJJ	FF	WCJP31	RJTD	080205	RJTD	RJJJ	Tokyo	2:05	2:05	2:06	2:06	2:05	2:06	
LAO PDR	VIENTIANE	VLVT	WCLA31	VLVT	VLVT	FF	WCLA31	VLVT	080205	VLVT	VLVT	Tokyo	2:01	2:01	2:02	2:19	2:01	2:02	
MALAYSIA	KUALA LUMPUR	WMKK	WCMS31	WMKK	WMFC	FF	WCMS31	WMKK	080213	WMKK	WMFC	Tokyo/New Delhi	2:14	2:14	2:15	2:14	2:15	2:15	
	KOTA KINABALU				WBFC	FF	WCMS31	WMKK	080205	WBKK	WBFC	Tokyo	2:05	2:05	2:06		2:05	2:06	
MALDIVES	MALE	VRMM	WCMV31	VRMM	VRMF														
MYANMAR	YANGON	VYYY	WCBM31	VYYY	VYYF														
NAURU	NAURU	ANYN	WCNW20	ANYN	ANAU														
NEW ZEALAND	WELLINGTON	NZKL	WCNZ21	NZKL	NZZC	FF	WCNZ21	NZKL	080151	NZKL	NZZC	Nadi	2:14	2:14	2:16		2:15	2:16	Incorrect time
		NZKL	WCPS21	NZKL	NZZO	FF	WCPS21	NZKL	080151	NZKL	NZZO	Nadi	2:14	2:14	2:15	2:27	2:15	2:15	Incorrect time
PAKISTAN	KARACHI	OPKC	WCPK31	OPKC	OPKR	FF	WCPK31	OPKC	080200	OPKC	OPKR	New Delhi	2:18	2:18	2:19	2:10	2:18	2:20	
PAPUA NEW GUINEA	PORT MORESBY	AYPY	WCNG20	AYPY	AYPY														
PHILIPPINES	MANILA	RPLL	WCPH31	RPLL	RPHI														
REPUBLIC OF KOREA	INCHEON	RKSI	WCKO31	RKSI	RKRR	FF	WCKO31	RKSI	080200	RKSI	RKRR	Tokyo	2:06	2:06	2:07	2:05	2:05	2:06	
SINGAPORE	SHINGAPORE	WSSS	WCSR20	WSSS	WSJC	FF	WCSR20	WSSS	080203	WSSS	WSJC	Tokyo	2:03	2:03	2:05	2:05	2:03	2:04	
SOLOMON ISLANDS	HONIARA	AGGH	WCSO20	AGGH	AGGG	FF	WCSO20	AGGH	080220	AGGH	AGGG	Nadi	2:30	2:30	2:31	2:23		2:32	
SRI LANKA	COLOMBO	VCBI	WCSB31	VCBI	VCCF	FF	WCSB31	VCBI	080225	VCBI	VCCF	New Delhi	2:39	2:40	2:41	2:39	2:40	2:40	
THAILAND	BANGKOK	VTBS	WCTH31	VTBS	VTBB	FF	WCTH31	VTBS	080205	VTBS	VTBB	Tokyo	2:06	2:06	2:07	2:05	2:06	2:07	
VIET NAM	GIA LAM	VVGL	WCVS31	VVGL	VVHM	FF	WCVS31	VVGL	080205	VVGL	VVHM	Tokyo	2:05	2:05	2:07	2:06	2:05	2:06	
					VVHN	FF	WCVS31	VVGL	080203	VVGL	VVHN	Tokyo	2:04	2:04	2:05	2:03	2:04	2:05	
UNITED STATES	HONOLULU	PHFO	WCPA01-13	PHFO	KZAK	FF	WCPA11	PHFO	080200	PHFO	KZAK	PHFO	2:00	2:17	2:02	2:00	2:00	2:02	
	ANCHORAGE	PAWU	WCAK01-09	PAWU	PAZA														
	KANSAS CITY	KKCI	WCNT01-13	KKCI	[illegible]														
		KKCI	WCPN01-13	KKCI	KZAK	FF	WCPN04,05,08	KKCI	080206	KKCI	KZAK	Honolulu/Tokyo	2:06	2:07	2:07	2:05	2:06	2:07	
BAHRAIN	BAHRAIN	OBBI	WCBN31	OBBI	OBBB														
IRAN	TEHRAN	OIII	WCIR31	OIII	OIIX														
KUWAIT	KUWAIT	OKBK	WCKW10	OKBK	OKAC														
OMAN	MUSCAT	OOMS	WCOM31	OOMS	OOMM	FF	WCOM31	OOMS	080804	OOMS	OOMM	-	8:05	8:05	8:06		8:05	8:05	
SAUDI ARABIA	JEDDAH	OEJN	WCSD20	OEJD	OEJD	GG	WCSD20	OEJD	080800	OEJD	OEJD	New Delhi	8:00	8:01	8:01		8:00	8:00	Incorrect priority (GG)
UNITED ARAB EMIRATE	ABU DHABI	OMAA	WCAE20	OMAA	OMAE														
YEMEN	SANNA	OYSN	WCYE31	OYSN	OYSC														
Not listed in SIGMET GUIDE																			
NEPAL	KATHMANDU					FF	WCNP31	VNKT	080210	VNKT	VNSM	-	2:13	2:13	2:10			2:14	
MADAGASCAR	ANTANANARIVO	-	-	-	-	FF	WCMG20	FMMI	080503	FMMI	FMMM	-	5:05					5:04	

6. Sample of SIGMET dissemination platform (AMHS)

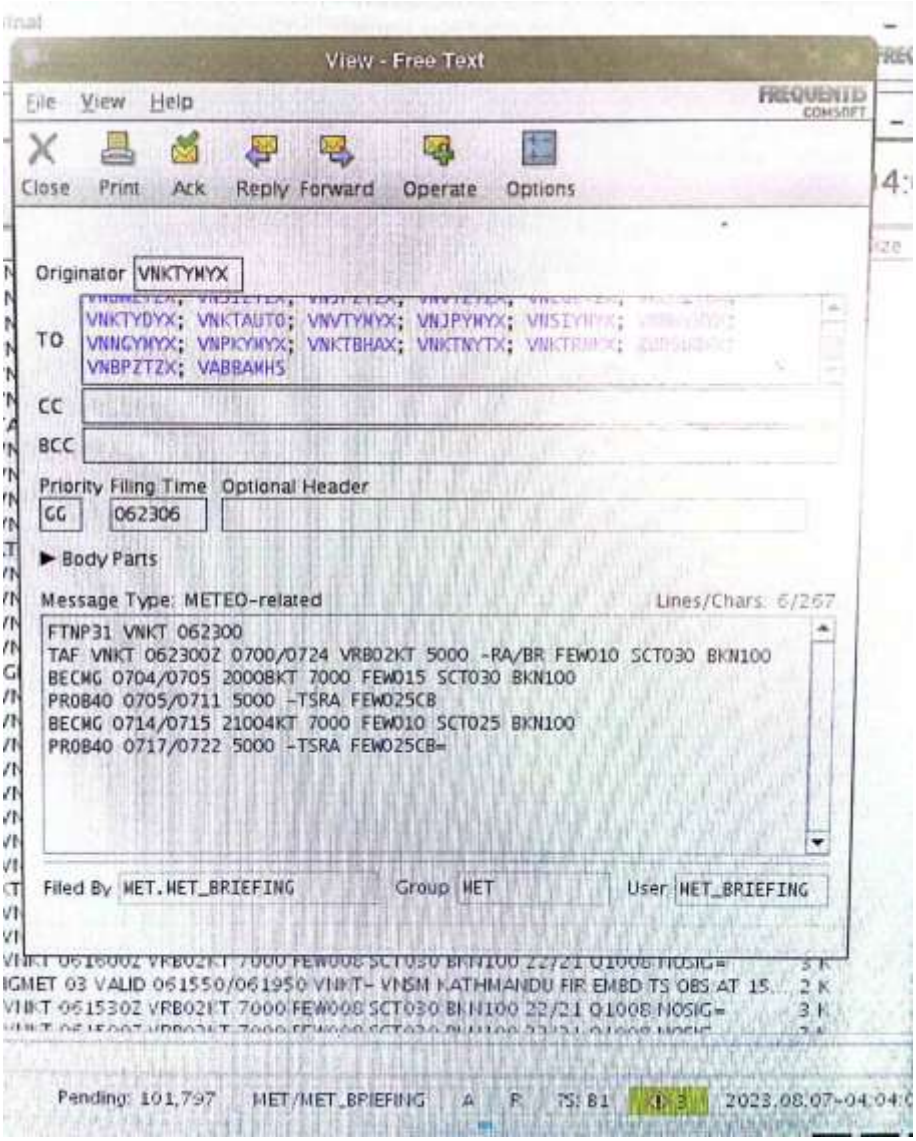


-0-

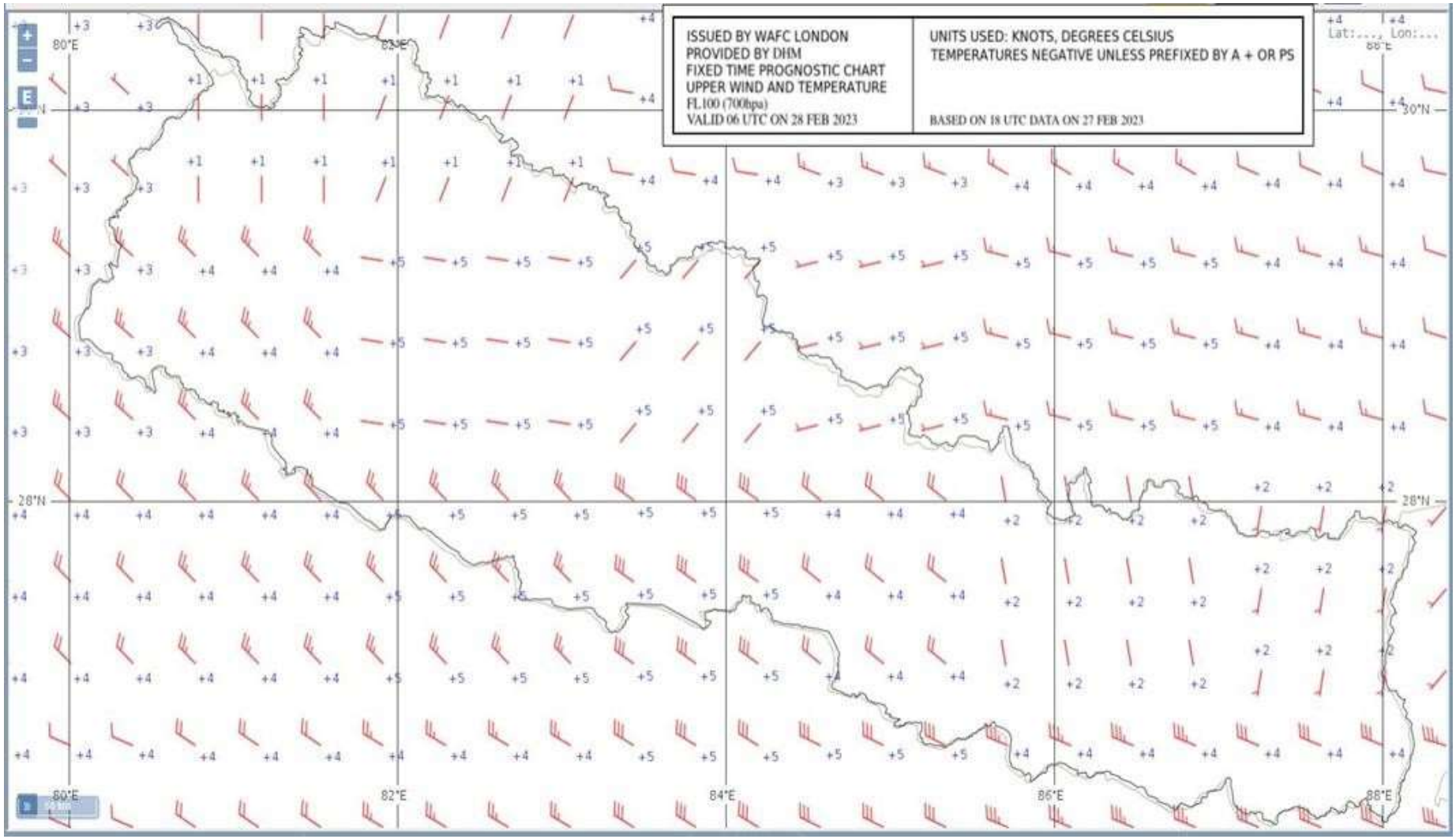
7. Sample of VA Advisory received from the AMHS system

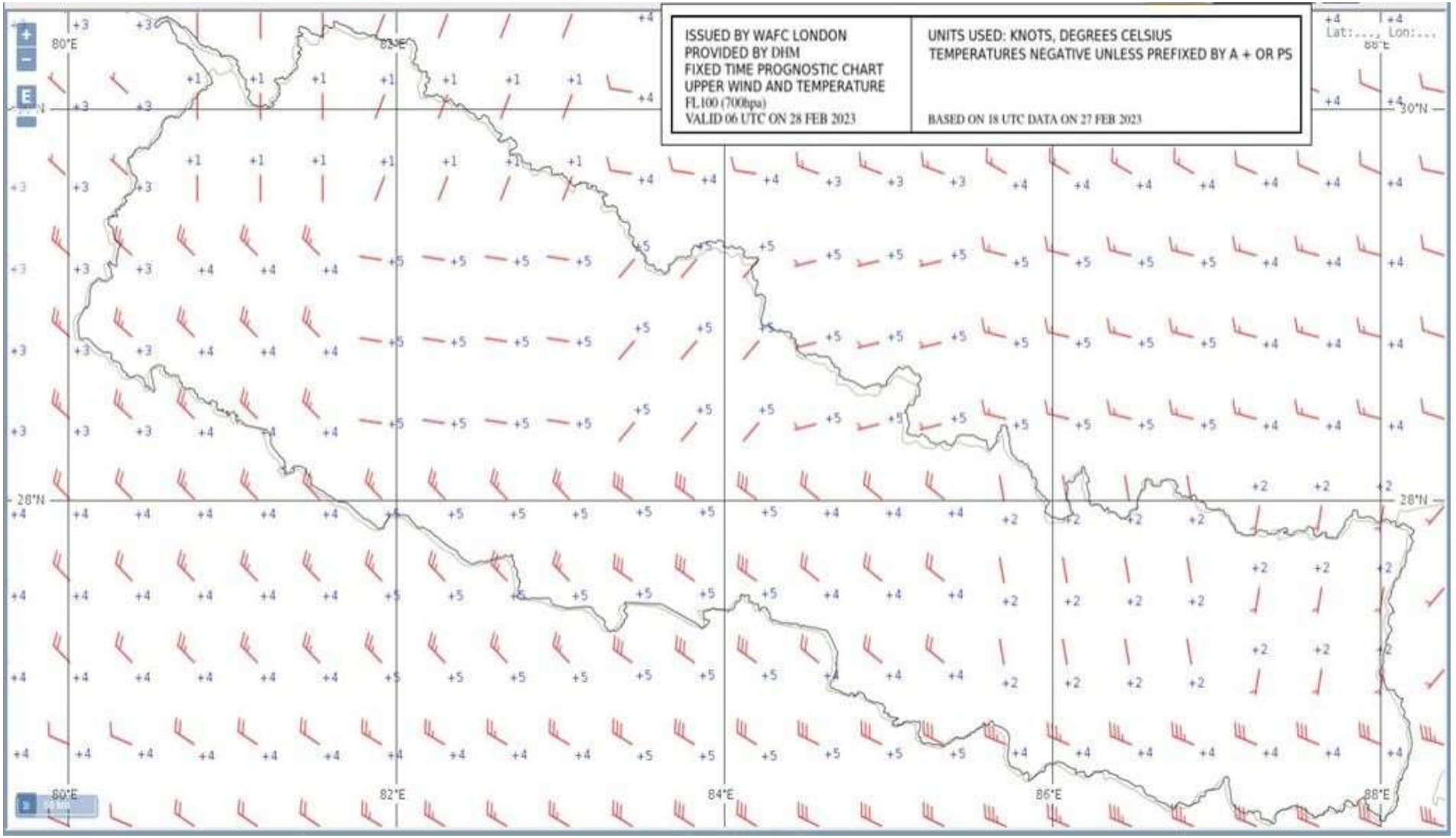


8. Sample of TAF message sent by Nepal



9. Sample of wind and temperature chart provided for air navigation purpose




ISSUED BY WAFC LONDON
PROVIDED BY DHM
FIXED TIME PROGNOSTIC CHART
UPPER WIND AND TEMPERATURE
FL100 (700hpa)
VALID 06 UTC ON 28 FEB 2023
UNITS USED: KNOTS, DEGREES CELSIUS
TEMPERATURES NEGATIVE UNLESS PREFIXED BY A + OR PS
BASED ON 18 UTC DATA ON 27 FEB 2023
80°E
82°E
84°E
86°E
88°E
30°N
28°N

नेपाल नागरिक उड्डयन प्राधिकरण
गौतम बुद्ध अन्तर्राष्ट्रिय विमानस्थल नागरिक उड्डयन कार्यालय
सिद्धार्थनगर, रूपन्देही

फोन: ०७१-{४९७०२१ ४९७०३०
फ्याक्स: ०७१-४४५००४

website: www.caanepal.gov.np
email gautambuddha_cao@caanepal.gov.np

पत्र संख्या: 068/070
चलानी नं.: 9012

2080/01/06

To

Meteorological Forecasting Division

Department of Hydrology and Meteorology

Subject :Response Letter

In response to your letter dated 2080/01/06, it is to notify you that ATS Operation Section of Gautam Buddha International Airport has been receiving SIGMET on AMHS (VNBWZTZX) .

I hope this Information will be helpful for you.

.....

Kishor Acharya
Chief, ATS Operation Section

CHIEF
ATS. OPERATION SECTION

For your Kind Information

General Manager, GBIACAO