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)

AFTN ADDRESSES FOR DISSEMINATION OF VAA

(Presented by Japan)

SUMMARY

This paper presents a proposal on amendment of destinations of VAAs. Current ICAO Annex3 regulation requires VAACs to send VAAs to ACCs which may be affected by ash cloud. It is difficult to meet this requirement and feasible options are needed. Further, this paper also presents a proposal on development of a master table of AFTN addresses. Multiple lists of addresses developed individually make it difficult for all of ICAO's bodies, including VAACs, to implement their operation. Designation of an authorized body to develop and maintain the master table appropriately would resolve duplication or errors regarding those lists.

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-18 Aeronautical information
GPI-19 Meteorological Systems
GPI-22 Communication infrastructure

1. Introduction

1.1 As stipulated in 3.5.1 c) 1) of ICAO Annex 3, each VAAC shall issue VAAs to "meteorological watch offices (MWOs), area control centres (ACCs) and flight information centres serving flight information regions (FIRs) in its area of responsibility which may be affected".

1.2 In this regard, MWOs and ACCs to which VAA is to be sent are listed in Part 2 of the Handbook of the International Airways Volcano Watch (IAVW) (ICAO Doc 9766). However, each agency is not accompanied by corresponding AFTN address.

2. Discussion

2.1 Currently Tokyo VAAC sends its all VAAs to all MWOs in its area of responsibility however, it has not sent VAAs to ACCs in Russia, China, the Korean Peninsula and Southeast Asia since the commencement of its operation. This is because Tokyo VAAC considers it could cause some troubles when VAAs are sent to ACCs which may not be affected directly by the ash cloud.

2.2 Regarding this matter, there are two issues to be addressed. The first is the feasibility and the necessity of screenings of ACCs in issuing VAAs.

2.3 Due to a considerable number of ACCs in these areas, it would be pretty difficult for forecasters to select ACCs which may be affected properly, every time they issue VAAs. Also, it could result in human errors caused by such complicated operation.

2.4 However, as for long and international flights, even if wide-spread volcanic ash does not have a direct impact on responsible FIR(s) of a ACC, it could have an indirect affects by increasing diversions, altering destination, and delays of departures.

2.5 The second is the lack of an appropriately-managed master table of AFTN addresses. So far, there have not been any bodies authorized by ICAO to maintain a list of all addresses, and each regional office or operations group (OPSG) has developed and kept its own list individually. This causes duplication of efforts and out-of-date information on addresses.

3. Conclusions

3.1 Taking into account the above discussions, Tokyo VAAC considers to send all of its VAAs to all ACCs in its area of responsibility at this time. A draft amendment of a list of MWOs and ACCs to which VAAs are to be sent by Tokyo VAAC is given in **Attachment A**.

3.2 Furthermore, it is desirable to develop a single, globally authorized list of AFTN addresses shared by all of ICAO's bodies.

3.3 The meeting may consider adopting the following draft Decisions:

Draft Decision 16/x – Amendment of destinations of VAAs

That the CNS/MET Sub-group requests

a) Tokyo VAAC to send VAAs to all ACCs in its area of responsibility;

b) The secretariat to collect appropriate AFTN addresses for VAA dissemination; and

c) IAVWOPSG to consider amendment of Annex 3 in order to change destinations of VAAs to all ACCs in each area of responsibility.

Draft Decision 16/x – Development of a global list of AFTN addresses

That, the CNS/MET Sub-group requests

a) ICAO to designate an appropriate body to develop and maintain a master table of AFTN addresses.

4. Action by the Meeting

4.1 The meeting is invited to:

a) note the information contained in this paper;

b) discuss any relevant matters as appropriate; and

c) consider the draft Decisions regarding amendment of destinations of VAAs and development of a master table of AFTN addresses.

– – – – – – – – – – – – –

Attachment A

MWOs			ACCs		
Name	ICAO loc. ind	AFTN 8-letter Address	Name	ICAO loc. ind	AFTN 8-letter Address
Bangkok	VTBD	VTBDYMYX	Bangkok	VTBB	VTBBYPYX
Blagoveshchensk	UHBB	UHBBYMYX	Blagoveshchensk	UHBB	UHBBZRZX
Beijing	ZBAA	ZBAAYMYX	Beijing Hohhot Taiyuan	ZBPE ZBHH ZBYN	ZBBBYPYX ZBHHYMYX ZBYNYMYX
Bratsk	UIBB	UIBBYMYX	Bratsk	UIBB	unknown
Chita	UIAA	UIAAYMYX	Chita	UIAA	UIAAZRZX
Gia Lam	~~VGLL~~ VVGL	VVGLYMYX	Hanoi Ho-Chi-Minh	VVNB ~~VVYS~~ VVTS	VVNBZRZX VVTSZRZX
~~Guanzhou~~ Guangzhou	ZGGG	ZGGGYMYX	~~Guanzhou~~ Guangzhou Changsha ~~Guillin~~ Guilin Nanning	 ~~ZGZU~~ ZGGG ~~ZGCS~~ ZGHA ZGKL ZGNN	 ZGGGYMYX ZGHAYMYX ZGKLYMYX ZGNNYMYX
Hong Kong	VHHH	VHHHYMYX	Hong Kong	VHHH	VHHHZQZA
Incheon	RKSI	RKSIYMYX	Incheon	RKRR	RKRRZQZX
Irkutsk	UIII	UIIIYMYX	Irkutsk	UIII	UIIIZRZX
~~Khabarovsky~~ Khabarovsk	UHHH	UHHHYMYX	~~Khabarovsky~~ Khabarovsk	UHHH	UHHHZRZX
Kirensk	UIKK	UIKKYMYX	Kirensk	UIKK	unknown
Kunming	~~SPPP~~ ZPPP	ZPPPYMYX	Kunming Chengdu Chongqing	~~ZPKM~~ ZPPP ~~ZUDS~~ ZUUU ZUCK	 ZPPPYMYX ZUUUYMYX ZUCKYMYX
Lanzhou	~~ZLXY~~ ZLLL	ZLLLYMYX	Lanzhou Xi'an	~~ZLHW~~ ZLLL ~~ZLSN~~ ZLXY	 ZLLLYMYX ZLXYYMYX
Magadan	UHMM	UHMMYMYX	Magadan	UHMM	UHMMZRZX
Magdagachi	UHBI	UHBIYMYX	Magdagachi	UHBI	unknown
Manila	RPLL	RPLLYMYX	Manila	RPHI	RPHIZRZX
~~Nikolayevdsk-na-Amure~~ Nikolayevsk-na-Amure	UHNN	UHNNYMYX	~~Nikolayevdsk-na-Amure~~ Nikolayevsk-na-Amure	UHNN	unknown
Okha	UHSH	UHSHYMYX	Okha	UHSH	unknown
Okhotsk	UHOO	UHOOYMYX	Okhotsk	UHOO	unknown
Petropavlovsk-Kamchatsky	UHPP	UHPPYMYX	Petropavlovsk-Kamchatsky	UHPP	UHPPZRZX

Phnom-Penh	VDPP	VDPPYMYX	Phnom-Penh	VDPP	VDPPZRZX
Pyongyang	~~ZKYP~~ ZKPY	ZKPYYMYX	Pyongyang	~~ZKKK~~ ZKKP	 unknown
Sanya	ZJSY	ZJSYYMYX	Sanya	ZJSY	ZJSYYMYX
Shanghai	ZSSS	ZSSSYMYX	Shanghai Hefei Jinan Nanchang Nanjing Qingdao Xiamen	~~ZSHA~~ ZSSS ZSOF ~~ZSTN~~ ZSJN ZSCN ZSNJ ~~ZSQD~~ ZSQC ZSAM	 ZSSSYMYX ZFOFYMYX ZSJNYMYX ZSCNYMYX ZSNJYMYX ZSQCYMYX ZSAMYMYX
Shenyang	ZYTX	ZYTXYMYX	Shenyang Dalian Hailar Harbin	~~ZYSH~~ ZYTX ZYTL ZBLA ZYHB	 ZYTXYMYX ZYTLYMYX ZBLAYMYX ZYHBYMYX
Taibei	RCTP	RCTPYMYX	Taibei	~~RCTP~~ RCAA	 RCAAZQZX
Tokyo	RJTD	(RJTDYMYX)	Fukuoka(ATMC) Tokyo Fukuoka Naha ~~Saporo~~ Sapporo	RJJJ RJTG RJDG ~~RORJ~~ RORG RJCG	(RJJJZQZX)
Ulan-Bator	ZMUB	ZMUBYMYX	Ulan-Bator	ZMUB	unknown
Urumqi	ZWWW	ZWWWYMYX	Urumqi	~~ZWUQ~~ ZWWW	 ZWWWYMYX
Vladivostok	UHMM	UHMMYMYX	Vladivostok	UHWW	UHWWZRZX
Wuhan	ZHHH	ZHHHYMYX	Wuhan	~~ZHWH~~ ZHHH	 ZHHHYMYX
Yuzhno-Sakhalinsk	UHSS	UHSSYMYX	Yuzhno-Sakhalinsk	UHSS	UHSSZRZX

Note:

A red character is AFTN addresses which needs to be added.

A yellow marker is a portion the error of Part 2 of the Handbook of IAVW (ICAO Doc 9766).

A red marker is unknown.

– – – – – – – – – – – – –