International Civil Aviation Organization

THIRTEENTH MEETING OF THE ASIA/PACIFIC REGIONAL OPMET BULLETIN EXCHANGE WORKING GROUP (ROBEX WG/13)

Seoul, Republic of Korea, 16 – 18 March 2015

Agenda Item 5:   Guidance material

ASIA/PAC ICD UPDATES

(Presented by the Secretariat)

<table>
<tr><td align="center">**SUMMARY**

This paper presents updates to the Asia/Pacific OPMET Data Banks Interface Control Document (ICD) for review and adoption by the meeting.</td></tr>
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1.   INTRODUCTION

1.1   The ASIA/PAC OPMET Data Banks Interface Control Document (ICD) describes the standard interrogation procedures for access to the designated Regional OPMET Databanks (RODB) in the Asia/Pacific. The ICD is published and maintained up-to-date by the ICAO Regional Office, Bangkok, and this paper presents updates for review and adoption by the meeting.

2.   DISCUSSION

2.1   The ASIA/PAC ICD was last amended in May 2012 and can be accessed at the website: http://www.icao.int/APAC/Pages/edocs.aspx.

2.2   The meeting is reminded that the RODBs should notify regularly the Regional Office of any changes in the procedures or content of the respective data banks (in the Appendices to the ICD) and he ICD should be examined for possible updates annually.

2.3   A draft amendment to the ICD is presented in the **Attachment** to this paper based on updated information provided by Thailand (Appendix A) and Singapore (Appendix D).

3.   ACTION BY THE MEETING

3.1   The meeting is invited to:

   a)   Review the information in this paper; and

   b)   Agree to adopt the draft amendment to the ICD as presented or provide further updates as necessary.

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INTERNATIONAL CIVIL AVIATION ORGANIZATION

ASIA/PACIFIC OPMET DATA BANKS

INTERFACE CONTROL DOCUMENT

Third Edition – 2004
(Amended March 2015)

Prepared by the ICAO Asia and Pacific Office
and Published under the Authority of the Secretary General

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1   INTRODUCTION

1.1   This Interface Control Document (ICD) describes the standard interrogation procedures for access to the designated Regional OPMET Databanks (RODB) in the ASIA/PAC Region. By accessing these databanks, the user implicitly acknowledges the disclaimer in paragraph 6.

1.2   The ICD contains details of:

- locations and AFTN addresses of the RODBs;
- request and reply AFTN message formats; and
- standard available meteorological products.

1.3   The ICD is published and maintained up-to-date by the ICAO Regional Office, Bangkok. The RODBs should notify regularly the Regional Office of any changes in the procedures or content of the respective data banks.

2   REGIONAL OPMET DATABANKS

2.1   Location

The designated RODBs in the ASIA/PAC Region are located at Bangkok, Brisbane, Nadi, Singapore and Tokyo.

2.2   AFTN Access Addresses

The AFTN addresses that should be used to access the RODBs are the following:

Bangkok	VTBBYZYX
Brisbane	YBBBYZYX
Nadi	NFFNYZYX
Singapore	WSSSYZYX
Tokyo	RJTDYZYX

2.3   OPMET Data Types

The following meteorological data types, as defined by the WMO data designator indicator, are stored and available on request from the RODBs:

TT	Message Type
SA	METAR
SP	SPECI
FC	9 HR TAF
FT	12 to 30 HR TAF
WS	SIGMET
WC	Tropical Cyclone SIGMET
WV	Volcanic Ash SIGMET

UA	Special AIREP (1)
FV	Volcanic Ash Advisory (VAA)
FK	Tropical Cyclone Advisory (TCA)

Note (1):   *Not yet available in the ASIA/PAC RODBs.*

Note (2):   *Further data types may be added as new requirements emerge. Only data with valid WMO abbreviated headings as defined in the WMO publication N°386 should be processed.*

Note (3):   *TAFs with 9-hour period of validity (WMO data designator - FC), are no longer issued by States in the ASIA/PAC Region, but are included in the ROBEX scheme in other regions (i.e. EUR). The 9-hour TAFs are extracted from the long TAF for some aerodromes in the ASIA/PAC region for the use in HF VOLMET. Guidance on the extraction of a short TAF from a long TAF is provided in Doc 9377, Manual on Coordination between Air Traffic Services, Aeronautical Information Services and Aeronautical Meteorological Services.*

Note (4):   *Note that IATA TAF requirements in the ASIA/PAC region are for TAF validity of either 24 or 30 hours. Some States issue 12- and 18-hour TAF which don't meet requirements, but are nevertheless classified as FT for the WMO data type designator.*

3   REQUEST/REPLY MESSAGE FORMAT

3.1   Request messages

3.1.1   Request messages should follow the AFTN standard telecommunication procedures as defined in Annex 10, Volume II. The text part of the messages should be as defined in this document.

Note: *The standard AFTN message start and end characters and alignment characters (SOH, STX and ETX for ITA-5 format or ZCZC and NNNN for ITA-2 format) have been omitted for clarity in the following examples.*

3.1.2   Request messages should use the AFTN priority GG.

3.1.3   The general format of the request message is as follows:

> **GG xxxxYZYX**
> **YYGGgg yyyyyyyy**
> **RQM/TTCCCC,(report(s)).../TTAAii, (bulletin(s))...=**
> **RQM/TTCCCC,(report(s)).../TTAAii, (bulletin(s))...=**
> **….**

The meaning of the groups and symbols in the request message is as follows:

3.1.3.1   In the AFTN heading:

GG   priority indicator

xxxxYZYX	AFTN address of the databank
YYGGgg	date-time group specifying the filing time of the request message
yyyyyyyy	AFTN address of the originator of the request

3.1.3.2 Each data request line is composed of the following elements:

RQM/	indicates the start of a data request line
TT	WMO data type identifier (as per paragraph 2.3)
CCCC	4-letter location indicator (as per ICAO Doc 7910)
or	
AAii	bulletin identifier (WMO manual 386, table C1 for AA)
=	indicator of the end of a request line.

3.1.3.3 Delimiters can be used within a request line as follows:
- **,** indicates more requests for reports or bulletins for the same data type or different data types for one location;
- **/** indicates a new data type request within the same data request line.

3.1.4 The length of the request line should not exceed 69 characters including 'RQM' and the '=' signal. Up to ten request lines can be included in one AFTN request message, unless otherwise specified by the RODB (see the Restrictions paragraph in the Appendices).

3.1.5 **Examples of request types**

3.1.5.1 *Request for one data type at one location*

The format of the request line to obtain one meteorological data type for one location is as follows:

RQM/TTCCCC=

Examples:

1. RQM/SAYSSY=
2. RQM/FCWSSS=

3.1.5.2 *Request for one data type at two or more locations*

The format of the request line to obtain one MET data type for two or more locations is as follows:

RQM/TTCCCC$_1$,CCCC$_2$,......,CCCC$_n$=

Note: Up to ten locations can be included in a request line.

Examples:

1. RQM/SAYSSY,YBBN,YMML=
2. RQM/FTNZAA,NZCH=

3.1.5.3 *Request for two or more data types at one location*

The format of the request line to obtain two or more MET data types for one location is as follows:

RQM/TT$_1$CCCC,TT$_2$,......,TT$_n$=

Examples:

1. RQM/SAYMML,FC=
2. RQM/FTNFFN,SA,WC=

3.1.5.4 *Request for different data types at different locations*

The format of the request line to obtain different MET data types for a number of locations is as follows:

RQM/TT$_1$CCCC,CCCC, .../TT$_2$CCCC,CCCC,.../....../TT$_n$CCCC,CCCC,...=

Examples:

1. RQM/SAYSSY/FCYBBN,YMML/FTYMML=

3.1.5.5 *Request for a meteorological bulletin*

The format of the request line to obtain a Meteorological Bulletin is as follows:

RQM/TTAAii=

Examples:

1. RQM/FTAE31=
2. RQM/SATH33=

Note: *Only one bulletin can be requested in a RQM request line. Up to six bulletins can be included in a request message*

3.1.5.6 *Other request options*

RODBs may apply other specific request formats and options, such as requesting a number of preceding messages of certain data type, which should be described in the "specific request formats" section in the Appendices for each RODB.

3.2   **Reply messages**

3.2.1   If the AFTN address of the originator of a request is authorised, the databank should automatically reply to the AFTN originator address given in the request message.

3.2.2   Valid requests for bulletins and/or messages should produce an answer, which should be returned in a standard WMO bulletin format embedded as text in a standard AFTN message. Each bulletin should be sent as a separate message.

3.2.3   Per valid requested bulletin or message(s) belonging to the same type and concerning valid stored messages, one or more reply bulletins should be generated. Non-valid requested groups should be replied by an appropriate *Information* or *Error* reply message.

3.2.4   In preparing the reply messages by the RODBs the following should apply:

3.2.4.1   A reply to a METAR request should consist of the latest METAR and/or SPECI reports available for the requested station.

3.2.4.2   When a request for SIGMET of any type (WS, WC or WV) is received, the reply should contain all valid WS, WV and WC SIGMETs that are available for the FIR concerned.

3.2.5   **Format of the reply message**

Note: *The RODBs are currently using different formats of the reply messages, which are described in the respective Appendices. The format described below is proposed as an unified format for consideration by the RODBs. Its implementation will be further coordinated through the OPMET Management Task Force of the CNS/MET Sub-group of APANPIRG.*

3.2.5.1   The WMO abbreviated heading of a reply message will be constructed as:

               TTAAii CCCC YYGGgg

               where,

TT	=	is the requested data type (e.g., SA)
AA	=	**XX** : fixed geographical designator for database reply or as specified by the RODB
ii	=	**99** : fixed bulletin number for database reply or as specified by the RODB
CCCC	=	location indicator of the reply database (e.g. VTBB, WSSS, etc.)
YYGGgg	=	date-time group (DTG) depending on the original DTG of the bulletin header

Note: *For the issuing time of TAF and the observation time of METAR the user should refer to the DTG in the reports, which might be different from the DTG in the header.*

               Example:

               SAXX99 VTBB 031200
               METAR CCCC 031200Z …
               METAR CCCC 031200Z
               …

3.2.6   **Format of the *Information* and *Error* reply messages**

3.2.6.1   Currently the RODBs are using different formats of the "*Information and Error messages*", which are sent to the originator of the request when the RODB is not in a

position to send back valid OPMET data. The format of these messages is specified in the Appendices for each RODB.

4 DATABASE MISUSE AND ABUSE

4.1 The RODBs should on a continuous basis monitor all the requests received from AFTN-users. In order to determine possible abuse or misuse of the ASIA/PAC Infrastructure (ASIA/PAC RODBs and ROBEX scheme), a detailed investigation may be performed for all frequent users. A frequent user is a user performing 100 requests or more per day, on a regular basis.

4.2 These investigations might lead to the detection of:

4.2.1 **Misuse** of the DB: the DB is not used in the way it is intended to.

A typical example of misuse would be a user requesting on a regular basis (e.g. every hour) the same reports. In case of misuse of a RODB, the ICAO Regional Office should be notified and requested contact the database user, together with its Parent RODB or ROBEX centre (or equivalent for interregional users), in order to find an alternative way to receive the required data. If a suitable solution is found to receive the data using the regular OPMET exchange procedures, but this solution is not accepted by the databank user (i.e. the misuse continues), then the RODB could decide to limit *or block* the access to the ASIA/PAC OPMET Database for this user.

4.2.2 **Abuse** of the DB: users are requesting data they are not entitled to receive or it is suspected that users use the data for commercial purposes.

In case of abuse of the RODB is suspected, the database user might be contacted by the ICAO Regional Office with a request for information on its databank use. After investigation, the RODB could decide to limit *or block* the access to the ASIA/PAC OPMET Database for this user.

5 ASIA/PAC OPMET DATABASE CATALOGUE

5.1 **Basic principles**

5.1.1 The ASIA/PAC OPMET Database Catalogue consists of lists of OPMET products that are required to be available in the ASIA/PAC Regional OPMET Databanks, based on the requirements stated in the ASIA/PAC ANP and additional requirements by airlines, which have been agreed with the provider States.

5.1.2 ROBEX scheme and the RODBs should ensure availability of the required OPMET information from all ASIA/PAC aerodromes included in the AOP Table of the ASIA/PAC Basic ANP (respectively, in the FASID Table MET 1A). In addition, requirements for non-AOP aerodromes have been stated by airlines to support the evolving operations, especially the long-haul and ETOP flights. These requirements are included in the SADIS User Guide, Annex 1. The ASIA/PAC OPMET Database Catalogue should include also those non-AOP aerodrome, for which the States concerned have agreed to provide the required OPMET information.

5.1.3   The ASIA/PAC OPMET Database Catalogue is provided in Appendix F (to be developed).

6   DISCLAIMER

6.1   Usage of the ASIA/PAC RODBs implies that the user has taken notice of the disclaimer below, and accepts the associated consequences.

6.1.1   The lists of bulletins and stations in the ASIA/PAC OPMET Database Catalogue only consist of lists of required data. It does not mean that these data are presently received in the ASIA/PAC OPMET Database, or have been yet received.

6.1.2   The fact that there is no data found for one location and one type of message in the ASIA/PAC OPMET Database does not mean that a message has not been generated for such a location, but only means that no valid message concerning such a location and such a type of message has been received or stored by the ASIA/PAC OPMET Database.

6.1.3   The user assumes the entire risk related to its use of data.

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APPENDIX A

REGICONAL OPMET DATA BANK ‐ BANGKOK

(RODB Bangkok)

1. **General Information**

1.1.   Bangkok OPMET Data Bank was established since 6 August 1997. The system was developed and implemented by AEROTHAI's engineers. The system has been continually developed to enhance its performance.

2. **Contact Information :**

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Mr. Worapoj   Yodjabog

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3.   AFTN address ; VTBBYZYX

4. **Data type held:**

4.1.   Meteorological messages stored in the Bangkok data bank for direct access by users through standardized interrogation procedures are as follow:

FT	-	Aerodrome Aviation Forecasts valid up to 30 hours (TAF)
SA	-	Routine Aviation Meteorological reports (METAR)
SP	-	Special Aviation Meteorological reports (SPECI)
UA	-	Air Report
WS	-	SIGMET for other weather phenomena
WC	-	SIGMET for Tropical Cyclone
WV	-	SIGMET for Volcanic Ash
FV	-	Volcanic Ash Advisory (VAA)
FK	-	Tropical Cyclone Advisory (TCA)

5. **Restriction:**

5.1.   One line shall be less than 69 characters including RQM designator and equal signal.

5.2.   The request line for one message shall not exceed ten locations or ten bulletins. It shall be started by "RQM" and ended by "=" in each line

5.3.   Up to ten request lines per message are accepted

5.4.   Up to two data types of request per message are accepted

6. **Response:**

6.1.   Request message follow the format will be reply automatically

6.2.   Format request message error would have message return

6.3.   A request message which is not available in data bank will reply "NIL" =

   Example: METAR VTSS NIL=

7. **Interrogation Procedures:**

7.1.   Message address and format used for request message

7.2.   The ICAO location indicators shall be used

7.3.   The messages shall be addressed to **VTBBYZYX** with priority "GG" "FF" or "DD"

8. **Details of data request line:**

RQM/	= Indicates the start of a data request line
/	= Indicates a new data type request within the same data request line.
,	= Indicates more requests for reports or bulletins for the same data type
TT	= WMO data type identifier
CCCC	= 4-letter location indicator
AAii	= Bulletin identifier
=	= An equal sign indicates the end or RQM line.

9. Examples of request formats are given below:

	Example
1. **Request for only one data type at one location** RQM/TTCCC= Type available : FT,SA,SP,WS,WV,WC,FV,FK	RQM/SAVTCC=
2. **Request for only one data type at two or more location but not more than ten** RQM/TTCCC1,CCCC2,····..CCCC10= Type available : FT,SA,SP,WS,WV,WC,FV,FK	RQM/FTVTBU,VTSS.VTSP,VVNB,VVDN, VTCC,VLVT,VYMD,VTBD,VTBS=
3. **Request for only one Meteorological Bulletin** RQM/TTAAii= Type available : FT,SA,SP,WS,WV,WC,FV,FK	RQM/FTTH33=
4. **Request for two or more Meteorological Bulletin but not more than ten** RQM/ TTAAii ,TTAAii = Type available : FT,SA,SP,WS,WV,WC,FV,FK	RQM/SAAE31,SATH31,SATH32,SATH33= RQM/FTAE31,FTAE32,FTTH31,FTTH32 FTTH33=
5. **Request for one location but specific date time group in WMO line** RQM/TTCCCDDDDDD= Type available : FT,SA,SP,WS,WV,WC,FV,FK	RQM/SAVTBD210330=
6. **Request for one Meteorological Bulletin but specific date time group in WMO line** RQM/TTAAiiDDDDDD= Type available : FT,SA,SP,WS,WV,WC,FV,FK,UA	RQM/SAAE31210330=

RODB Bangkok – OPMET Data Catalogue:

METAR and TAFOR Bulletins

ASIA/PACIFIC REGION

AUSTRALIA

TTAAii	Originator	Location (CCCC) or FIR
SAAU31	YBBN	YBAS, YBBN, YBCG, YBCS, YBTL, YCFS, YHID, YMML, YPAD, YPCC, YPDN, YPJT, YPKU, YPLM, YPPH, YPTN, YPXM, YSCB, YSSY, YSTW
SAAU32	YBBN	YAMB, YBHM, YBMA, YBRK, YBRM, YCIN, YFRT, YGEL, YMAV, YMHB, YMLT, YPEA, YPGV, YPKG, YPPD, YPWR, YSDU, YSCB, YSNF, YSRI, YWLM
FTAU31	YBBN	YBBN, YMML, YPAD, YPDN, YPPH, YSSY
FTAU32	YBBN	YBAS, YBCG, YBCS, YBTL, YGEL, YMAV, YPKG, YPLM, YPTN, YSCB
FTAU33	YBBN	YBRK, YBRM, YCFS, YHID, YMHB, YMLT, YPCC, YPEA, YPJT, YPPD, YPWR, YPXM, YSDU, YSNF, YSRI, YSTW, YWLM
FTAU34	YBBN	YAMB, YBHM, YBMA, YPGV, YPKU
FTAU35	YBBN	YCIN, YFRT
FTNG31	YBBN	AGGH, ANYN, AYPY
FTTM31	YBBN	WPDL

BANGLADESH

TTAAii	Originator	Location (CCCC) or FIR
SABW31	VGEG	VGEG
SABW31	VGHS	VGHS
FTBW31	VGEG	VGEG
FTBW31	VGHS	VGHS

CHINA

TTAAii	Originator	Location (CCCC) or FIR
SACI31	ZBBB	ZBAA, ZBSJ, ZBTJ, ZBYN, ZGGG, ZSHC, ZSPD, ZSSS, ZWSH, ZWWW, ZYTL, ZYTX
SACI32	ZBBB	ZGKL, ZGNN, ZGOW, ZGSZ, ZLXY, ZMUB, ZPPP, ZSAM, ZSFZ, ZSNB ZSQD, ZUGY, ZUUU
SACI41	ZBBB	ZBHH, ZGHA, ZHCC, ZHHH, ZJHK, ZJSY, ZLLL, ZSNJ, ZSOF, ZUCK, ZYCC, ZYHB
SACI74	ZSQZ	ZSQZ

FTCI31	ZBBB	ZBAA, ZBSJ, ZBTJ, ZBYN, ZGGG, ZSHC, ZSPD, ZSSS, ZWSH
		ZWWW, ZYTL, ZYTX
FTCI32	ZBBB	ZGKL, ZGNN, ZGOW, ZGSZ, ZLXY, ZMUB, ZPPP, ZSAM, ZSFZ,
		ZSNB, ZSQD, ZUGY, ZUUU
FTCI41	ZBBB	ZBHH, ZGHA, ZHCC, ZHHH, ZJHK, ZJSY, ZLLL, ZMUB, ZSNJ, ZSOF,
		ZUCK, ZYCC, ZYHB
FTCI74	ZSQZ	ZSQZ

FIJI

TTAAii	Originator	Location (CCCC) or FIR
SAPS31	NFFN	NCRG, NFFN, NGFU, NGTA, NIUE, PLCH, NSTU, NTAA,
		NWWW, NSFA, NFNA
SAPS32	NFFN	NFTF, NFTL, NFTV, NLWW, NVSS, NVVV
FTPS31	NFFN	NCRG, NFFN, NFNA, NFTF, NGTA, NIUE, NLWW, NSFA, NSTU,
		NTAA, NWWW, PLCH

HONG KONG (CHINA)

TTAAii	Originator	Location (CCCC) or FIR
SAHK31 RPVM,	VHHH	RCKH, RCMQ, RCNN, RCSS, RCTP, RPLB, RPLI, RPLL, RPMD, RPMZ,
		VHHH, VMMC
FTHK31	VHHH	RCKH, RCMQ, RCNN, RCSS, RCTP, RPLI, RPLL, RPMD, RPMZ, RPVM,
		VHHH, VMMC

INDIA

TTAAii	Originator	Location (CCCC) or FIR
SAIN31	VABB	VAAH, VABB, VANP, VOHS, VOHY, VOMM, VOTR, VOTV
SAIN32	VIDP	VIAR, VIDP, VIJP, VILK
SAIN33	VECC	VECC, VEPT, VGEG, VGHS, VNKT, VQPR
FTIN31	VABB	VAAH, VABB, VANP, VECC, VEPT, VIAR, VIBN, VIDP, VIJP, VILK
FTIN31	VIDP	VIAR, VIBN, VIDP, VIJP, VILK
FTIN32	VABB	VCBI, VNKT, VOCI, VOCL, VOHS, VOHY, VOMM,
		VOTR, VOTV, VRMM, VRMH
FTIN90	VOBL	VOBL, VOML
FTIN51	VOMM	VOBL, VOCB, VOCI, VOCL, VOHS, VOMD, VOML, VOMM,
		VOTR, VOTV

INDONESIA

TTAAii	Originator	Location (CCCC) or FIR
SAID31	WIII	WAAA, WABB, WADD, WARR, WIDD, WIHH, WIII, WIMM

SAID32	WIII	WADL, WALL, WAMM, WAOO, WIBB, WIDN, WIOO, WIPP, WIPT
SAID33	WIII	WABP, WAJJ, WAKK, WALR, WAPP, WARQ, WARS, WATT
FTID31	WIII	WIII

JAPAN

TTAAii	Originator	Location (CCCC) or FIR
SAJP31	RJTD	RJAA, RJBB, RJGG, RJOO, RJTT, ROAH
SAJP32	RJTD	RJCC, RJCH, RJFF, RJFK, RJFO, RJFT, RJFU, RJOA, RJOB, RJOT, RJSN, RJSS
SAJP38	RJTD	RJAH, RJCB, RJCK, RJCM, RJEC, RJFC, RJFM, RJFR, RJNK, RJNS, RJNT, RJOC, RJOH, RJOK, RJOM, RJSA, RJSF, RJSK, ROIG
FTJP31	RJTD	RJAA, RJBB, RJCH, RJOO, RJSS, RJTT, ROAH
FTJP32	RJTD	RJCC, RJFF, RJFK, RJFO, RJFT, RJFU, RJGG, RJNK, RJNT,
,		RJOA, RJOB, RJOT, RJSN
FTJP38	RJTD	RJAH, RJCB, RJCK, RJCM, RJEC, RJFM, RJFR, RJNS, RJOC, RJOH, RJOK, RJOM, RJSA, RJFS, RJSK, ROIG

REPUBLIC OF KOREA

TTAAii	Originator	Location (CCCC) or FIR
SAKO31	RKSI	RKJB, ~~RKJJ, RKJY~~, RKNY, RKPC, RKPK, ~~RKPS, RKPU~~, RKSI, RKSS, ~~RKTH~~, RKTN, RKTU
FTKO31	RKSI	RKJB, RKNY, RKPC, RKPK, RKSI, RKSS, RKTN, RKTU

MALASIA

TTAAii	Originator	Location (CCCC) or FIR
SAMS31	WMKK	WBGG, WBKK, WBSB, WMKK, WMKP, WSSL, WSSS
SAMS32	WMKK	WBGG, WBKK, WMKJ, WMKK, WMKP, WMSA
SAMS33	WMKK	WMAU, WMBA, WMKA, WMKB, WMKC, WMKD, WMKI, WMKL, WMKM, WMKN
SAMS38	WMKK	WBGB, WBGR, WBGS, WBKL, WBKS, WBKW, WMKD, WMKL, WMKM
FTMS40	WMKK	WBGB, WBGR, WBGS, WBKL, WBKS, WBKW, WMKL, WMKM

NEW ZEALAND

TTAAii	Originator	Location (CCCC) or FIR
SANZ31	NZKL	NZAA, NZCH, NZWN
FTNZ31	NZKL	NZAA, NZCH, NZWN

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PAKISTAN

TTAAii	Originator	Location (CCCC) or FIR
SAPK31	OPKC	OPGD, OPKC, OPLA, OPNH, OPPS, OPRN, OPSK
FTPK31	OPKC	OPGD, OPKC, OPLA, OPNH, OPPS, OPRN, OPSK

SINGAPORE

TTAAii	Originator	Location (CCCC) or FIR
SASR31	WSSS	WSSS
FTSR31	WSSS	WAAA, WABB, WADD, WARR, WIHH, WIMM, WSAP, WSSL, WSSS
FTSR32	WSSS	WMKJ, WMKK, WMKL, WMKM, WMKP, WMSA
FTSR33	WSSS	WBGB, WBGG, WBGR, WBGS, WBKK, WBKL, WBKS, WBKW, WBSB

SRI LANKA

TTAAii	Originator	Location (CCCC) or FIR
SASB31	VCCC	VCBI

THAILAND

TTAAii	Originator	Location (CCCC) or FIR
SAAE31	VTBB	VDPP, VDSR, VLVT, VTBD, VTBS, VTBU, VTCC, VTSP, VTSS, VYMD, VYYY
SAAE32	VTBB	VLLB, VLLN, VLPS, VLSK
SAAE33	VTBB	VVTS, VVNB, VVDN, VVPB, VVCR, VVCT, VVPQ
SATH31	VTBB	VTCH, VTCL, VTCN, VTCP, VTCT, VTPH, VTPO, VTPP
SATH32	VTBB	VTSB, VTSC, VTSF, VTSG, VTSH, VTSM, VTSR, VTST
SATH33	VTBB	VTBO, VTUD, VTUI, VTUK, VTUL, VTUO, VTUQ, VTUU, VTUV, VTUW
SATH41	VTBB	VTPB, VTPM, VTSE, VTSK, VTUJ
FTAE31	VTBB	VTBD, VTBS, VTBU, VTCC, VTCT, VTSG, VTSP, VTSS, VTUU
FTAE32	VTBB	VDPP, VDSR, VGHS, VYYY, VYMD
FTAE33	VTBB	VLVT, VLLB, VLLN, VLSK, VLPS
FTAE34	VTBB	VVTS, VVNB, VVDN, VVPB, VVCR, VVCT, VVPQ
FTTH31	VTBB	VTCH, VTCL, VTCN, VTCP, VTPB, VTPM, VTPO, VTPP, VTPT, VTPH
FTTH32	VTBB	VTSB, VTSC, VTSE, VTSF, VTSH, VTSK, VTSM, VTSR, VTST
FTTH33	VTBB	VTUD, VTUI, VTUJ, VTUK, VTUL, VTUO, VTUQ, VTUV, VTUW, VTBO

MIDDLE EAST REGION

BAHRAIN

TTAAii	Originator	Location (CCCC) or FIR

SABN31   OBBI   OBBI, OEDF, OEDR, OKBK, OTBD, OTHH

SABN32   OBBI   OMAA, OMAD, OMAL, OMDB, OMDW, OMFJ, OMRK,

                    OMSJ, OOMS, OOSA

FTBN31   OBBI   OBBI, OEDF, OEDR, OKBK, OTBD, OTHH

FTBN32   OBBI   OMAA, OMAD, OMAL, OMDB, OMDW, OMFJ, OMRK,

                    OMSJ, OOMS, OOSA

CYPRUS

TTAAii	Originator	Location (CCCC) or FIR
FTCY31	LCLK	LCLK, LCNC, LCPH

IRAN (ISLAMC REPUBLIC OF)

TTAAii	Originator	Location (CCCC) or FIR
SAIR31	OIII	OIAW, OIFM, OIII, OIKB, OIKK, OIMM, OISS, OITT, OIZH
SAIR32	OIII	OIAA, OIBK, OICC, OIGG, OIIE, OITR, OIYY
SAIR33	OIII	OIBB, OIBP, OICK, OICS, OIHH, OINZ, OITL, OIZC, OISR
SAIR34	OIII	OIAM, OICI, OIKQ, OINN, OINR, OISL, OISY, OITZ, OIAG
SAIR35	OIII	OIBJ, OIBS, OIHR, OIKM, OIKR, OING, OIZB, OIZI, OIAD
SAIR36	OIII	OIBA, OIBV, OIFS, OIIP, OIMB, OIMN, OIMT, OIZJ, OIMS
SAIR37	OIII	OIBQ, OIIK, OIMC, OIMD, OIMQ, OITK, OITM, OIBL, OINE
FTIR31	OIII	OIAW, OIFM, OIII, OIKB, OIKK, OIMM, OISS, OITT, OIZH
FTIR32	OIII	OIAA, OIBK, OIIE, OITR

LEBANON

TTAAii	Originator	Location (CCCC) or FIR
SAME31	OLBA	OJAI, OJAM, OJAQ, OLBA, OSAP, OSDI, OSLK
FTME31	OLBA	OJAI, OJAM, OJAQ, OLBA, OSDI, OSLK

SAUDI ARABIA

TTAAii	Originator	Location (CCCC) or FIR
SASD20	OEJD	OEAB, OEAH, OEAO, OEBA, OEBH, OEDF, OEDM, OEDR, OEGN,
		OEGS, OEGT, OEHL, OEJN, OEKJ, OEKK, OEKM, OEMA,
		OEMK, OENG, OEPA, OERF, OERK, OERR, OERY, OESH, OESK,
		OETB, OETF, OETR, OEWD, OEWJ, OEYN
SASD31	OEJD	OEDF, OEDR, OEJN, OEMA, OERK, OERY, OYAA, OYSN
SAAR20	OEJD	OBBI, OKBK, OMAA, OMAD, OMAL, OMDB, OMFJ, OMRK, OMJJ
		OOPR, OOKB, OOMS, OOSA, OOSH, OOSQ, OOSR, OOTH, OOYB,
		OTB, OTHH
FTAR20	OEJD	OBBI, OKBK, OMAA, OMAD, OMDB, OMRK, OMSJ, OOMS,
		OOSA, OTBD, OYAA, OYSN, OOBR, OOKB, OOSH, OOSQ, OOSR,
		OOTH, OOYB

FTSD22   OEJD   OEDF, OEDR, OEJN, OEMA, OERK

FTSD31   OEJD   OEDF, OEJN, OEMA, OERK, OYAA, OYSN, OEDR

FTSD40   OEJD   OEAB, OEAH, OEBA, OEBH, OEGN, OEGS, OEGT, OEHL, OEKJ,

OEKM, OENG, OEPA, OERF, OERR, OERY, OESH, OESK, OETB,

OETF, OETR, OEWD, OEWJ, OEYN

OTHERS REGION

SOUTH AFRICA

TTAAii	Originator	Location (CCCC) or FIR
SAAP31	FAPR	FACT, FAEL, FAGG, FAKM, FAKN, FALE, FAOR
SAAP32	FAPR	FALM, FAMM, FAPN, FAPP, FAUT
SAAP33	FAPR	FAPE, FAUP, FAWB, FAWK, FBSK, FBFT, FBKE, FBMN
SAAP34	FAPR	FBSP, FVBU, FVCZ, FVFA, FVHA, FVKB, FVMV, FVWN
SAAP35	FAPR	FDMS, FLHN, FLKK, FLSK, FWCL
SAAP36	FAPR	FQBR, FQQL
SAAP37	FAPR	FAPR, FYGF, FYKT, FYOA, FYWB, FYWE, FYWH
FTAP32	FAPR	FACT, FALE, FBSK, FWKI, FVHA, FAGG, FAOR, FYWH
FTAP39	FAPR	FALA, FALE, FAPE, FAUP

MOZAMBIQUE

TTAAii	Originator	Location (CCCC) or FIR
FTMZ31	FQMA	FQMA, FQBR, FQNP, FQTT, FQLC, FQPB, FQQL, FQCH, FQVL, FQIN

ETHIOPIA

TTAAii	Originator	Location (CCCC) or FIR
FTEA31	HAAB	HAAB, HADR

AUSTRIA

TTAAii	Originator	Location (CCCC) or FIR
FTOS31	LOWM	LOWW
FTOS32	LOWM	LOWI, LOWK, LOWS, LOWL, LOWG

BELGIUM

TTAAii	Originator	Location (CCCC) or FIR
FTBX31	EBBR	EBBR, EBLG, EBOS, ELLX, EBCI

DENMARK

TTAAii	Originator	Location (CCCC) or FIR
FTDN31	EKCH	EKAH, EKBI, EKCH, EKYT

FRANCE

TTAAii	Originator	Location (CCCC) or FIR

FTFR31	LFPW	LFLL, LFMN, LFPG, LFPO
FTFR32	LFPW	LFQQ, LFPW, LFRB, LFRS
FTFR33	LFPW	LFBD, LFBO, LFLX, LFML
FTFR34	LFPW	LFBH, LFBI, LFBL, LFBP, LFBT, LFBZ, LFLB

GERMANY

TTAAii	Originator	Location (CCCC) or FIR
FTDL31	EDZO	EDDF, EDDH, EDDK, EDDL, EDDM
FTDL32	EDZO	EDDB, EDDC, EDDG, EDDN, EDDP, EDDS, EDDT, EDDV, EDDW
FTDL33	EDZO	EDDE, EDDR, EDFH, EDLP, EDLW, EDNY, EDOP, EDLV, EDRZ, EDSB

GREECE

TTAAii	Originator	Location (CCCC) or FIR
FTGR31	LGAT	LGAV, LGEL, LGKR, LGTS
FTGR32	LGAT	LGIR, LGKO, LGRP, LGSA

HUNGARY

TTAAii	Originator	Location (CCCC) or FIR
FTHU31	LHBM	LHBP, LHPA

IRELAND

TTAAii	Originator	Location (CCCC) or FIR
FTIE31	EIDB	EICK, EIDW, EIKN, EINN

ITALY

TTAAii	Originator	Location (CCCC) or FIR
FTIY31	LIIB	LIEE, LIMC, LIME, LIMF, LIMJ, LIML, LIMP, LIRA, LIRF, LIRN, LIRP, LIEO, LIRQ
FTIY32	LIIB	LIBD, LIBP, LICA, LICC, LICJ, LIEA, LIPB, LIPE, LIPK, LIPO, LIPQ, LIPY, LIPZ
FTIY33	LIIB	LIBR, LICR, LIMZ, LIPH
FTIY36	LIIB	LIBC, LIBF, LIRZ
FTIY37	LIIB	LICD
FTIY40	LIIB	LIBD, LIBP, LIBR, LICA, LICR, LICC, LICJ, LIEA, LIMC, LIME, LIMF, LIMJ, LIML, LIPH, LIPE, LIPK, LIPZ, LIRA, LIRF, LIRN, LIRP

LIBYAN ARAB JAMAHIRIYA

TTAAii	Originator	Location (CCCC) or FIR
FTLY31	HLMC	HLLM
FTMP31	LMMM	HLLB, HLLT, LMML

NETHERLANDS

TTAAii	Originator	Location (CCCC) or FIR
FTNL31	EHDB	EHAM, EHBK, EHGG, EHRD

SPAIN

TTAAii	Originator	Location (CCCC) or FIR
FTSP31	LEMM	LEBL, LEMD, LEMG, LEPA, LEVC
FTSP32	LEMM	LEAS, LECO, LEGR, LEPP, LEXJ
FTSP33	LEMM	LEAL, LEGE, LEST, LEVX, LEZG
FTSP34	LEMM	LEBB, LEGH, LEJR, LELC, LESO, LEVT
FTSP35	LEMM	LEBZ, LESA, LETO, LEVD
FTSP37	LEMM	LEDA, LEHC, LELL, LESU
FTSP38	LEMM	GEML

SWITZERLAND

TTAAii	Originator	Location (CCCC) or FIR
FTSW31	LSSW	LSGG, LSZH
FTSW39	**LSSW**	**LSMA, LSMD, LSME, LSMM, LSMT**

UNITED KINGDOM

TTAAii	Originator	Location (CCCC) or FIR
FTUK31	EGGY	EGCC, EGKK, EGLL, EGSS
FTUK32	EGGY	EGGP, EGNT, EGMN, EGNX
FTUK33	EGGY	EGBB, EGFS, EGGD, EGGW
FTUK34	EGGY	EGVN, EGWU
FTUK35	EGGY	EGAA, EGDP, EGPF, EGPH, EGPK

***** End *****

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APPENDIX B

REGIONAL OPMET DATA BANK – BRISBANE
(RODB Brisbane)

1.   General Information

1.1   Direct access to the Brisbane OPMET data bank for automatic response for a request is only possible by using the AFTN address **YBBBYZYX.**

          Example: **GG YBBBYZYX**
            200700 VHHHYMYX
            RQM/SAYBBN,YSSY,YMML=

1.2   A request made to the data bank for a message which is not available in the data bank will receive a **NIL=** reply from the data bank.

          Example: GG VHHHYMYX
            200716 YBBBYZYX
            YBBN **NIL**=
            YPDN **NIL**=
            YPAD **NIL**=

1.3   A request made to the data bank which contains a wrong format or CCCC will receive an **ERR=** reply from the data bank.

          Example: GG VHHHYMYX
            200726 YBBBYZYX
            TAF YBSY **ERR**=

2.   Contact Information

          For clarification or assistance, please contact the following office:

Brisbane NOTAM Office
Airservices Australia
Locked Bag 747 Eagle Farm
Brisbane QLD 4009

Tel: +61 (7) 38663648
Fax: +61 (7) 38663553
e-mail: nof@airservicesaustralia.com

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3.   Restrictions

1) One request line shall be less than 69 characters including RQM designator and an '=' signal

2) Each request shall be started by 'RQM' and ended by '='. Only one request line per message is accepted.	Example: GG YBBBYZYX 210507 NFFNYZYX **RQM**/SAYBBN,YBCS,YBCG**=**
3) Up to three data types of request per line are accepted	Example: RQM/FTYPDN,SA,SP=
4) Only one bulletin in each RQM is accepted	Example: RQM/FTAU31=

4.   Specific Procedures

1) Request for bulletins and reports can be made together by single message	Example: RQM/SAVHHH,ZGGG/FTHK31/SPNFFN=
2) Special request format for WS, WC, and WV, RQM/ T_1T_2CCCC, …, $C_1C_1C_1C_1$= RQM/T_1T_2CCCC, $C_1C_1C_1C_1$/T_1T_2CCCC/ T_1T_2CCCC= (Where T_1T_2 is WS, WC or WV and CCCC is the **FIR** indicator)	Example: RQM/WSRCTP,VHHK= RQM/WCRJTG= RQM/WVNZZO= RQM/WSWSJC/WCVHHK/WVRJTG=

5.   Examples of request formats

1) Request for one data type at one aerodrome

RQM/T_1T_2CCCC=	RQM/FTYPDN=

2) Request for one data type at two or more aerodromes

RQM/T_1T_2CCCC,$C_1C_1C_1C_1$,........,$C_nC_nC_nC_n$=	RQM/SAYBBN,YMML,YPAD= RQM/FTYPPH,YSSY,YBCG=

3) Request for TAF bulletins

RQM/T_1T_2,A_1A_1ii=	RQM/FTAU31-=

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5) Request for two or more data types at one aerodrome

RQM/ T_1T_2CCCC, T_1T_2,........ T_1T_2=   RQM/FTYBCS,SA,SP=

6) Request for two or three data types at more than one aerodrome

RQM/ T_1T_2CCCC, $C_1C_1C_1C_1$/ T_1T_2 A_1A_1, A_1A_1ii/ T_1T_2 CCCC=

RQM/SAYBBN,YPAD/FCAU31/SP YBCG=

6.   RODB Brisbane – OPMET Data Catalogue

Legend

TTAAii	First group of the WMO Abbreviated Heading of the bulletin
CCCC	Second group of the WMO Abbreviated Heading of the bulletin – ICAO location indicator of the originator (bulletin compiling centre, aerodrome meteorological office or MWO)
Locations	List of the aerodromes included in the bulletin for the METAR and TAF bulletins

ASIA Pacific Region

Australia

TTAAii	CCCC	Locations
FTAU31	YBBN	YPAD, YBBN, YPDN, YMML, YPPH, YSSY
FTAU32	YBBN	YBAS, YMAV, YBCS, YSCB, YPKG, YPLM, YPTN, YBTL
FTAU33	YBBN	YBRM, YPXM, YPCC, YSDU, YBCG, YMHB, YMLT, YSNF, YPEA, YPPD, YSRI, YBRK, YWLM, YPWR
FTAU34	YBBN	YAMB, YCIN, YFRT, YPGV, YBHM, YBMA, YPKU
SAAU31	YBBN	YSSY, YMML, YBBN, YPAD, YBCS, YPDN, YPPH, YBAS, YPLM, YBTL, YPCC, YPXM, YPTN, YPKU
SAAU32	YBBN	YSCB, YBCG, YMAV, YBRK, YPKG, YPPD, YBRM, YSNF, YSDU, YSRI, YWLM, YMLT, YMHB, YPEA, YCIN, YFRT, YPGV, YAMB, YBHM, YBMA
WSAU21	YBBN	YBBB, YMMM

China

TTAAii	CCCC	Locations
FTCI31	ZBBB	ZBAA, ZBSJ, ZBTJ, ZBYN, ZGGG, ZSHC, ZSPD, ZSSS, ZWWW, ZYTL, ZYTX, ZWSH
FTCI32	ZBBB	ZGKL, ZGNN, ZGOW, ZGSZ, ZLXY, ZMUB, ZPPP, ZSAM, ZSQD, ZUUU
FTCI41	ZBBB	ZBHH, ZGHA, ZHHH, ZJHK, ZJSY, ZLLL, ZSNJ, ZSOF, ZUCK, ZYCC, ZYHB, ZHCC
SACI31	ZBBB	ZBAA, ZBSJ, ZBTJ, ZBYN, ZGGG, ZSHC, ZSPD, ZSSS, ZWWW, ZYTL, ZYTX, ZWSH
SACI32	ZBBB	ZGKL, ZGNN, ZGOW, ZGSZ, ZLXY, ZMUB, ZPPP, ZSAM, ZSQD, ZUUU
SACI41	ZBBB	ZBHH, ZGHA, ZHHH, ZJHK, ZJSY, ZLLL, ZSNJ, ZSOF, ZUCK, ZYCC, ZYHB, ZHCC

Eas Timor

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TTAAii	CCCC	Locations
FTTM31	YBBN	WPDL

FIJI

TTAAii	CCCC	Locations
FTPS31	NFFN	NFFN, NWWW, NSTU, NCRG, PLCH, NGTA, NIUE, NSFA, NFTF, NFTV, NVVV, NVSS, NFNA, NLWW, NSAP, NGFU
SAPS31	NFFN	NCRG, NFFN, NGFU, NGTA, NIUE, PLCH, NFNA
SAPS32	NFFN	NFTF, NFTL, NFTV, NLWW, NSMA, NVVV, NSFA, NVSS

Hong Kong

TTAAii	CCCC	Locations
FTHK31	VHHH	VHHH, RCTP, RCKH, RCSS, VMMC, RPLL, RPVM, RPLB, RPMD, RPLI, RPMZ
SAHK31	VHHH	VHHH, RCTP, RCKH, RCSS, VMMC, RPLL, RPVM, RPMD, RPLB, RPLI, RPMZ

India

TTAAii	CCCC	Locations
FTIN31	VABB	VAAH, VABB, VANP, VECC, VEPT, VIAR, VIBN, VIDP, VIJP, VILK
FTIN32	VABB	VCBI, VNKT, VOCI, VOCL, VOHY, VOMM, VOTR, VOTV, VRMM
SAIN31	VABB	VAAH, VABB, VANP, VOHY, VOMM, VOTR, VOTV, VQPR
SAIN33	VECC	VECC, VEPT, VGEG, VGZR, VNKT
SAIN32	VIDP	VIDP, VILK, VIAR, VIBN, VIJP

Indonesia

TTAAii	CCCC	Locations
SAID31	WIII	WIII, WIHH, WIMM, WAAA, WADD, WARR, WABB, WIDD
SAID32	WIII	WIPT, WIPP, WIBB, WAOO, WALL, WAMM, WIDN, WIOO, WADA, WIMG
SAID33	WIII	WARS, WABP, WAJJ, WAKK, WAPP, WICT, WATT, WALR

Japan

TTAAii	CCCC	Locations
FTJP31	RJTD	RJAA, RJBB, RJTT, RJOO, ROAH, RJCH, RJSS
FTJP32	RJTD	RJFF, RJGG, RJCC, RJFK, RJSN, RJFU, RJFT, RJOA, RJOB, RJOT, RJFO, RJNT, RJNK
SAJP31	RJTD	RJAA, RJBB, RJTT, RJOO, ROAH, RJGG
SAJP32	RJTD	RJFF, RJCC, RJFK, RJFU, RJCH, RJOT, RJOA, RJFT, RJSN, RJFO, RJOB, RJSS

Korea

TTAAii	CCCC	Locations
FTKO31	RKSI	RKSI, RKSS, RKPC, RKPK, RKTU, RKNY, RKTN, RKJB
SAKO31	RKSI	RKSI, RKSS, RKPC, RKPK, RKTU, RKNY, RKTN, ==RKJB==

Malaysia

TTAAii	CCCC	Locations
SAMS31	WMKK	WBGG, WBKK, WBSB, WMKK, WMKP, WSSL, WSSS
SAMS38	WMKK	WBGB, WBGR, WBGS, WBKL, WBKS, WBKW, WMKD, WMKL, WMKM

New Zealand

TTAAii	CCCC	Locations
FTNZ31	NZKL	NZAA, NZWN, NZCH
SANZ31	NZKL	NZAA, NZWN, NZCH

Pakistan

TTAAii	CCCC	Locations
FTPK31	OPKC	OPKC, OPKN, OPLA, OPNH, OPPS, OPGD
SAPK31	OPKC	OPKC, OPLA, OPNH, OPRN, OPGD, OPPS

Papua New Guinea

TTAAii	CCCC	Locations
FTNG31	YBBN	AYPY, AUUU, AGGH
SANG31	YBBN	AYPY, AYWK, AYVN, AYNZ, AYMH, AYGN, AYMO, AGGH

Singapore

TTAAii	CCCC	Locations
FTSR31	WSSS	WSSS, WSAP, WAAA, WABB, WADD, WARR, WIHH, WIII, WIMM, WSSL
FTSR32	WSSS	WMKJ, WMKK, WMKL, WMKM, WMKP, WMSA
FTSR33	WSSS	WBSB, WBGB, WBGG, WBGR, WBGS, WBKK, WBKL, WBKS, WBKW

Sri Lanka

TTAAii	CCCC	Locations
SASB31	VCCC	VCBI, VRMM

Thailand

TTAAii	CCCC	Locations
FTAE31	VTBB	VTBS, VTBD, VTBU, VTCC, VTSS, VTSP, VGZR, VLVT
FTAE32	VTBB	VDPP, VVTS, VVNB, VVDN, VYYY, VYMD, VDSR
FTTH31	VTBB	VTCT, VTCL, VTCN, VTCP, VTCH, VTPM, VTPP, VTPT, VTPO, VTPB
FTTH32	VTBB	VTSB, VTSM, VTSC, VTSK, VTST, VTSF, VTSG, VTSE, VTSH, VTSR
FTTH33	VTBB	VTUU, VTUD, VTUI, VTUJ, VTUK, VTUL, VTUO, VTUQ, VTUV, VTUW
SAAE31	VTBB	VTBS, VTBD, VTCC, VTBU, VTSS, VTSP, VLVT, VYYY, VVTS, VVNB, VDPP, VVDN, VYMD, VDSR
SATH31	VTBB	VTPB, VTCT, VTCL, VTCN, VTCP, VTCH, VTPH, VTPM, VTPP, VTPO
SATH32	VTBB	VTSB, VTSM, VTSC, VTSK, VTST, VTSR, VTSG, VTSF, VTSE, VTSH
SATH33	VTBB	VTUD, VTUI, VTUK, VTUU, VTUL, VTUO, VTUW, VTUQ, VTUV, VTUJ, VTBO

Other Regions

Bahrain

TTAAii	CCCC	Locations
FTBN31	OBBI	OBBI, OEDR, OTBD, OKBK
FTBN32	OBBI	OMAA, OMAL, OMDB, OMSJ, OMRK, OMFJ, OOMS, OOSA
SABN31	OBBI	OBBI, OEDF, OEDR, OTBD, OKBK, OOSA
SABN32	OBBI	OMAA, OMAL, OMDB, OMFJ, OMRK, OMSJ, OOMS

Eastern Mediterranean

TTAAii	CCCC	Locations
FTME31	OLBA	OLBA, OSDI, OJAM, OJAI, ORBI, ORMM
SALB31	OLBA	OLBA, OSDI, OJAM, OJAI

Iran

TTAAii	CCCC	Locations
FTIR31	OIII	OIII, OIFM, OISS, OIZH, OIKB, OIMM, OIAW, OITT, OIKK
SAIR31	OIII	OIII, OIFM, OISS, OIZH, OIKB, OIMM, OIAW, OITT, OIKK
SAIR32	OIII	OAKB, OAKN

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Iraq

TTAAii	CCCC	Locations
SAAW31	ORBS	ORBI, ORMM

Saudi Arabia

TTAAii	CCCC	Locations
FTSD31	OEJD	OEJN, OEMA, OERK, OEDR, OYSN, OYAA
SADS31	OEJD	OEDF, OEDR, OEJN, OEMA, OERK, OERY, OYSN

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APPENDIX C

NADI DATA BANK

Note: The content of Appendix C has not been updated in this edition due to lack of information

General: Requests for inclusion in the list of authorized users for the NADI Data Bank should be sent to NFFNYZYX.

AFTN address: NFFNYZYX

MET data types held:

FT   TAF (Validity 12 to 30 hrs)
FC   TAF (Validity 9 hrs)
WS   SIGMET (Includes WC and WV data types)

Restrictions:

a)   Only one RQM line can be used in an AFTN request message.

b)   Bulletins are not available.

Response: The response from the system will contain the requested MET data or bulletin if available.

System messages may be generated as follows:

a)   If the message text commences with 'RQM/' but the format is incorrect, the response to the query will be '+ERR='.

b)   The message 'ACCESS TO DATA BANK NOT AUTHORISED' will be generated by the system in response to queries from locations whose addressee indicator is not found in the list of authorised users of the data bank.

c)   In response to a valid request, if no data is found the response will be '+NIL'. If some data is missing, only the available data will be included in the response.

Data bank catalogue:

TAFs available from the NADI Data Bank are listed below:

South Pacific (FC data type)

NFFN	Nada/Fiji
NCRG	Avarua/Rarotonga Intl
NFNA	Nausori Intl
NFTF	Tongatapu/Fua'Amotu Intl Tonga
NIUE	Alofi/Niue Intl
NLWW	Wallis/Hififo

Note: TAFs with 9-hour period of validity (WMO data designator - FC), are no longer issued by States in the ASIA/PAC Region, but are included in the ROBEX scheme in other regions (i.e. EUR). The 9-hour TAFs are extracted from the long TAF for some aerodromes in the ASIA/PAC region for the use in HF VOLMET. Guidance on the extraction of a short TAF from a long TAF is provided in Doc 9377, Manual on Coordination between Air Traffic Services, Aeronautical Information Services and Aeronautical Meteorological Services.

South Pacific (FT data type)

NFFN	Nadi/Fiji
NSTU	Pagopago Intl/Tutuila
NWWW	Noumea/LaTontouta
NTAA	Tahiti/Faaa, Archipel de La
NTTO	Hao/Archipel Des Tuamotu
NVSS	Santo/Pekoa
NVVV	Port Vila/Bauerfield
NVVK	Lenakel
NGTA	Tarawa/Bonriki Intl
AYPY	Port Moresby

Australia

YBAS	Alice Springs
YBBN	Brisbane
YBCS	Cairns
YBTL	Townsville
YMML	Melbourne
YPAD	Adelaide
YPDN	Darwin
YPLM	Learmonth
YPPH	Perth
YSSY	Sydney

New Zealand

NZAA	Auckland Intl
NZCH	Christchurch Intl
NZWN	Wellington Intl

North Pacific

PJON	Johnston/Johnston Atoll
PKMJ	Marshel Islands/Intl Majuro
PWAK	Wake island Airfield
PTSA	Kosrae Kosrae island
PHTO	Hilo/Intl Hilo
PHNL	Honolulu Intl

China

RCKH	Gaoxiong
RCTP	Taibei/City/Taibei Intl
VHHH	Hong Kong

Japan

RJAA	Tokyo/New Tokyo Intl
RJCC	Saporo/New Chitose
RJFF	Fukuoka
RJFO	Oita
RJFU	Nagasaki
RJNN	Nagoya
RJNT	Toyama
RJOA	Hiroshima
RJOB	Okayama
RJOO	Osaka Intl
RJSS	Sendai
RJTT	Tokyo Intl
ROAH	Naha

Philippines

RPMM	Manila/Intl
RPMT	Lapu-Lapu/Mactan Intl

Indonesia

WIII	Jakarta/Soekarno Hatta Intl
WIIH	Jakarta/Halimperdanakusuma
WRRR	Bali Intl/Ngurah Rai
WRSJ	Surabaya/Juanda

Singapore/Malaysia

WMKJ	Johor Bahru
WMKP	Penang
WSAP	Paya lebar (RSAF)
WSSS	Singapore Changi

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APPENDIX D

REGIONAL OPMET DATA BANK – SINGAPORE
(RODB Singapore)

1.   General Information

1.1   Direct access: AFTN address **WSSSYZYX**

The general format of the request messages is as follows:

Example: **GG WSSSYZYX**
            200700 WBSBYMYX
            RQM/SAWSSS,WMKK,WIII=   (A request for reports)

            GG WSSSYZYX
            200700 WBSBYMYX
            RQM/FTSR31, HK31=   (A request for bulletins)

1.2.   Meteorological Data types held:

            SA   METAR
            SP   SPECI
            FT   TAF
            WS   SIGMET
            WC   SIGMET, Tropical Cyclone
            WV   SIGMET, Volcanic Ash
            FK   Advisory for TC
            FV   Advisory for VA

1.3.   DB Response

1.3.1   Reply Message

The WMO abbreviated heading of a reply message will be as follows:

TTSR99 WSSS YYGGgg   (TT is the requested data type, e.g. FT)

Example:

GG WIDDYMYF
220908 WSSSYZYX
FTXX99 WSSS 220900
TAF WMKK 220900Z 2212/2312 01007KT 9999 FEW017CB SCT140
BKN280=

GG CYKFXNSA
220915 WSSSYZYX
SAXX99 WSSS 220900
METAR WAAA 220900Z 09003KT 040V160 7000 SCT019 28/25 Q1010=
METAR WALL 220900Z 07010KT 9999 FEW018CB 30/27 Q1009 RMK
CB TO N=

1.3.2   A request made to the data bank for a message which is not available
             in the data bank will receive a **CCCC NIL** reply.

Example:
GG LFPWYZYX
220906 WSSSYZYX
ZZXX99 WSSS 220906
RQM/FTVOBG
TAF VOBG NIL=

1.3.3   A request made to the data bank which contains a wrong format or CCCC
             will receive **CCCC Unknown** message from the data bank.

Example:
GG WBSBYMYX
220912 WSSSYZYX
ZZXX99 WSSS 220912
RQM/FTWSSA
TAF WSSA UNKNOWN=

2.   Contact Information

For clarification or requires any assistance, please contact the following officer:

Ms. CHUA Guat Mui
Chief Technical Officer
Weather Services Department
Meteorological Service Singapore
Singapore Changi Airport Post Office
P.O. Box 8, Singapore 918141

Tel: +65 65422861
Fax: +65 65425026
e-mail: chua_gaut_mui@nea.gov.sg

3.   Restrictions

1) One request line shall be less than 69 characters including RQM designator and an '=' signal	
2) Each request shall be started by 'RQM' and ended by '='. Only one request line per message is accepted.	Example: GG WSSSYZYX 210507 RCTPYMYX RQM/SAWSAP,WMKJ,WMKL=
3) Up to three data types of request per line are accepted	Example: RQM/FTEGLL,SA,SP=
4) Only three bulletins in each RQM line is accepted	Example: RQM/FTDL31,DN31,CI32=

4.   Specific Procedures

1) Request for bulletins and for reports could be made together by single message	Example: RQM/SAVHHH,ZGGG/FTSR31/SPWSSS=
2) Special request format for WS, WC, and WV, RQM/ T_1T_2CCCC, …, $C_1C_1C_1C_1$= RQM/T_1T_2CCCC, $C_1C_1C_1C_1$/T_1T_2CCCC/ T_1T_2 CCCC= (Where T_1T_2 is WS, WC or WV and CCCC is the FIR indicator) RQM/WSXXXX= RQM/WCXXXX= RQM/WVXXXX= (Where XXXX is a dummy FIR Indicator) RQM/ T_1T_2,AA,......,A_1A_1= (Where A_1A_1 or A_1A_1ii is the bulletin identifier or country designator)	Example: RQM/WSRCAA,VHHK= RQM/WCRJJJ= RQM/WVNZZC= RQM/WSWSJC/WCVHHK/WVRJJJ= RQM/WSWSJC= RQM/WCVHHK= RQM/WVNZZC= RQM/WSJP,CI31=
3) Special request format for FK and FV bulletins: RQM/ T_1T_2,AA,......,A_1A_1= (Where T_1T_2 is FK or FV and AA or A_1A_1 is the bulletin identifier or country designator) RQM/FVXXXX= RQM/FKXXXX= (Where XXXX is a dummy Location Indicator)	Example: RQM/FKIO= RQM/FVAU01= RQM/FVRJTD= RQM/FKVIDP=

5.   Examples of request formats

Various RQM formats for SA, SP, FC and FT	Example
1) Request for one data type at one aerodrome RQM/T_1T_2CCCC=	RQM/FTEDDF=
2) Request for one data type at two or more aerodromes RQM/T_1T_2CCCC,$C_1C_1C_1C_1$,........,$C_nC_nC_nC_n$=	RQM/SAWSSS,WMKK,WIII= RQM/FTVHHH,RCTP,RCKH=
3) Request for TAF bulletins RQM/$T_1T_2A_1A_1$,......,A_1A_1ii=	RQM/FTDL31,IN=
4) Other request options for SA bulletin RQM/T_1T_2CCCCn= (where n is the number of preceding messages required, n<=3) RQM/T_1T_2CCCCn, $C_1C_1C_1C_1$= (where n is the number of preceding messages required, n<=3) RQM/T_1T_2CCCC,GGgg,......,GGgg= (where T_1T_2 is SA and GGgg is the standard time of observation) RQM/T_1T_2XXGGgg,CCCC,......,$C_1C_1C_1C_1$= (where T_1T_2 is SA and GGgg is the standard time of observation)	RQM/SAVHHH2= RQM/SAWMKK3,WSSS= RQM/SAVVTS,0200,0130= RQM/SAXX0200,WMKK,VHHH,WSSS,WIIH=

5) Request for two or more data types at one aerodrome RQM/ T_1T_2CCCC, T_1T_2, $T_1T_{2=}$	RQM/FTVHHH,SA,FT=
6) Request for two or three data types at more aerodromes RQM/ T_1T_2CCCC, $C_1C_1C_1C_1$/ T_1T_2 A_1A_1, A_1A_1ii/ T_1T_2 CCCC=	RQM/SAVHHH,ZGGG/FTSR31/SPWSSS=

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Legend

TTAAii	First group of the WMO Abbreviated Heading of the bulletin
CCCC	Second group of the WMO Abbreviated Heading of the bulletin – ICAO location indicator of the originator (bulletin compiling centre, aerodrome meteorological office or MWO)
Stations or FIR	List of the aerodromes included in the bulletin for the METAR and TAF bulletins or the FIR for the SIGMET bulletins (if known).

ASIA/PACIFIC REGION

AUSTRALIA

TTAAii	CCCC	STATIONS or FIR
FTAU31	YBBN	YPAD,YBBN,YPDN,YMML,YPPH,YSSY
FTAU32	YBBN	YBAS,YMAV,YBCS,YSCB,YPKG,YPLM,YPTN,YBTL,YBCG,YGEL
FTAU33	YBBN	YBRM,YPXM,YPCC,YSDU,YMHB,YMLT,YSNF,YPEA,YPPD, YSRI,YBRK,YWLM,YPWR,YPJT,YHID,YSTW,YCFS
FTAU34	YBBN	YAMB,YBHM,YBMA,YPKU,YPGV
FTAU35	YBBN	YFRT,YCIN
FTTM31	YBBN	WPDL
SAAU31	YBBN	YSSY,YMML,YBBN,YPAD,YPDN,YPPH,YBCS,YBAS,YPLM,YBTL,YSTW, YPCC,YPXM,YPTN,YPKU,YSCB,YCFS,YBCG,YHID,YPJT
SAAU32	YBBN	YMAV,YBRK,YPKG,YPPD,YBRM,YSNF,YSDU,YSRI,YWLM,YMLT,YMHB,YPEA, YCIN,YFRT,YPGV,YAMB,YBHM,YBMA,YPWR,YGEL
FKAU01	ADRM	N/A
FKAU02	ADRM	N/A
FKAU03	ADRM	N/A
FKAU04	ADRM	N/A
FKAU05	ADRM	N/A
FVAU01	ADRM	N/A
FVAU02	ADRM	N/A
WCAU01	ABRF	YBBB,YMMM
WCAU01	ADRM	YBBB, YMMM
WCAU01	APRF	YBBB, YMMM
WSAU21	ABCS	YBBB
WSAU21	ABRF	YBBB, YMMM
WSAU21	ADRM	YBBB, YMMM
WSAU21	AMHF	YMMM
WSAU21	AMMC	YBBB, YMMM
WSAU21	AMRF	YBBB, YMMM
WSAU21	APRF	YBBB, YMMM
WSAU21	APRM	YMMM
WSAU21	ASRF	YBBB, YMMM
WVAU01	ADRM	YBBB, YMMM

BANGLADESH

TTAAii	CCCC	STATIONS or FIR
FTBW31	VGHS	VGHS
FTBW31	VGEG	VGEG
WSBW20	VGHS	VGFR

BRUNEI DARUSSALAM

TTAAii	CCCC	STATIONS or FIR
FTBD31	WBSB	WBSB
SABD31	WBSB	WBSB

CAMBODIA

TTAAii	CCCC	STATIONS or FIR
FTAE32	VDPP	VDPP,VDSR
SAAE31	VDPP	VDPP
SAAE31	VDSR	VDSR

CHINA

TTAAii	CCCC	STATIONS or FIR
FTCI31	ZBBB	ZBAA,ZBSJ,ZBTJ,ZBYN,ZGGG,ZSHC,ZSPD,ZSSS,ZWSH,ZWWW, ZYTL,ZYTX
FTCI32	ZBBB	ZGKL,ZGNN,ZGOW,ZGSZ,ZLXY,ZMUB,ZPPP,ZSAM,ZSFZ,ZSNB, ZSQD,ZUUU, ZUGY
FTCI41	ZBBB	ZBHH,ZGHA,ZHCC,ZHHH,ZJHK,ZJSY,ZLLL,ZSNJ,ZSOF,ZUCK, ZYCC,ZYHB
SACI31	ZBBB	ZBAA,ZBSJ,ZBTJ,ZBYN,ZGGG,ZSHC,ZSPD,ZSSS,ZWSH,ZWWW, ZYTL,ZYTX
SACI32	ZBBB	ZGKL,ZGNN,ZGOW,ZGSZ,ZLXY,ZMUB,ZPPP,ZSAM,ZSFZ,ZSNB,ZSQD, ZUUU, ZUGY
SACI41	ZBBB	ZBHH,ZGHA,ZHCC,ZHHH,ZJHK,ZJSY,ZLLL,ZSNJ,ZSOF,ZUCK, ZYCC,ZYHB
WSCI33	ZBAA	ZBPE
WSCI34	ZSSS	ZSHA
WSCI35	ZGGG	ZGZU
WSCI35	ZJHK	ZJSA
WSCI36	ZUUU	ZPKM
WSCI37	ZLXY	ZLHW
WSCI38	ZYTX	ZYSH
WSCI39	ZWWW	ZWUQ
WSCI45	ZHHH	ZHWH

FIJI

TTAAii	CCCC	STATIONS or FIR
FKPS01	NFFN	N/A
FTPS31	NFFN	NFFN,NCRG,NFNA,NFTF,NGTA,NIUE,NLWW,NSFA,NSTU, NTAA,NWWW,PLCH
SAPS31	NFFN	NFFN,NCRG,NFNA,NGFU,NGTA,NIUE,NSFA,NSTU,NTAA,NWWW PLCH
SAPS32	NFFN	NFTF,NFTL,NFTV,NLWW,NVSS,NVVV

WSFJ01   NFFN   NFFF
WSFJ02   NFFN   NFFF
WSFJ03   NFFN   NFFF

FRENCH POLYNESIA

TTAAii	CCCC	STATIONS or FIR
FTPF21	NTAA	NTAA
SAPF20	NTAA	NTAA
WSPF21	NTAA	NTTT
WCPF21	NTAA	NTTT
WVPF21	NTAA	NTTT

HAWAII (U.S)

TTAAii	CCCC	STATIONS or FIR
FTPA31	PHFO	NSTU, PHJH, PHJR, PHKO, PHLI, PHMK, PHNL, PHNY, PHOG, PHTO, PMDY
WCPA01	PHFO	KZAK
WSPA01	PHFO	KZAK
WVPA01	PHFO	KZAK

HONG KONG

TTAAii	CCCC	STATIONS or FIR
FTHK31	VHHH	VHHH,RCTP,RCKH,RCSS,VMMC,RPLL,RPVM,RPMD,RPLB,RPLI, RPMZ
SAHK31	VHHH	VHHH,RCTP,RCKH,RCSS,VMMC,RPLL,RPVM,RPMD,RPLB,RPLI, RPMZ
WSSS20	VHHH	VHHK
WCSS20	VHHH	VHHK
WVSS20	VHHH	VHHK

INDIA

TTAAii	CCCC	STATIONS or FIR
FTIN31	VABB	VAAH,VABB,VANP,VECC,VEPT,VIAR,VIBN,VIDP,VIJP,VILK
FTIN32	VABB	VCBI,VNKT,VOCI,VOCL,VOHS,VOHY,VOMM,VOTR,VOTV,VRMM
FTIN31	VIDP	VIDP,VILK,VIJP,VIAR,VIBN
FTIN90	VOBL	VOBL,VOML
FTIN90	VOTV	VOTV,VOCI,VOCL
SAIN31	VABB	VAAH,VABB,VANP,VOHS,VOMM,VOHY,VOTR,VOTV
SAIN32	VIDP	VIDP,VILK,VIAR,VIBN,VIJP
SAIN33	VECC	VECC,VEPT,VGEG,VGHS,VNKT, VQPR
WSIN90	VABB	VABF
WSIN90	VECC	VECF
WSIN31	VECC	VECF
WSIN31	VOMM	VOMF
WSIN90	VIDP	VIDF
WCIN31	VABB	VABF

WCIN31	VECC	VECF
WCIN31	VIDP	VIDF
WCIN31	VOMM	VOMF
FKIN20	VIDP	
FKIN21	VIDP	

INDONESIA

TTAAii	CCCC	STATIONS or FIR
FTAE32	WIMM	WIMM
FTID31	WIII	WIII
FTID31	WIHH	WIHH
FTID31	WADD	WADD
FTID31	WARR	WARR
FTID31	WAAA	WAAA,WAMH,WAMG,WAMI,WAMP,WAMW,WAWM,WAWT,WAWJ, WAWP,WAWW,WAWB,WAPC,WAPI
FTID31	WABB	WABB,WAJJ,WABP,WAKK,WABI,WABO,WAJW,WAJJ,WABT,WAKT
FTID32	WIPP	WIPP
SAID31	WIII	WADD,WAAA,WIMM,WIII,WIHH,WABB,WARR,WIDD
SAID32	WIII	WIPT,WADL,WIOO,WALL,WAMM,WIBB,WIDN,WIPP,WAOO
SAID33	WIII	WARQ,WABP,WAJJ,WAKK,WAPP,WARS,WATT,WALR
WSID20	WIII	WIIF

JAPAN

TTAAii	CCCC	STATIONS or FIR
FTJP31	RJTD	RJAA,RJBB,RJTT,RJOO,ROAH,RJCH,RJSS
FTJP32	RJTD	RJFF,RJGG,RJCC,RJFK,RJSN,RJFU,RJFT,RJOA,RJOB,RJOT, RJFO,RJNT,RJNK
SAJP31	RJTD	RJAA,RJBB,RJTT,RJOO,ROAH,RJGG
SAJP32	RJTD	RJFF,RJCC,RJFK,RJSN,RJFT,RJFU,RJCH,RJSS,RJOA,RJOB, RJOT,RJFO
WCJP31	RJTD	RJJJ
WSJP31	RJTD	RJJJ
WVJP31	RJTD	RJJJ
FKPQ30	RJTD	N/A
FKPQ31	RJTD	N/A
FVFE01	RJTD	N/A

KOREA, REPUBLIC OF

TTAAii	CCCC	STATIONS or FIR
FTKO31	RKSI	RKSI,RKSS,RKPC,RKPK,RKTU,RKTN,RKJB,RKNY
SAKO31	RKSI	RKSI,RKSS,RKPC,RKPK,RKTU,RKTN,RKJB,RKNY
WCKO31	RKSI	RKRR
WSKO31	RKSI	RKRR
WVKO31	RKSI	RKRR

MALAYSIA

TTAAii	CCCC	STATIONS or FIR

FTMS31   WMKK   WMKJ,WMKK,WMKP,WMSA
FTMS32   WMKK   WBGG,WBKK
FTMS40   WMKK   WBGB,WBGR,WBGS,WBKL,WBKS,WBKW,WMKL,WMKM
FTMS41   WMKK   WMAP,WMBT,WMKA,WMKC,WMKE,WMKI,WMKN,WMPA
FTMS42   WMKK   WMKB
FTMS43   WMKK   WMKD
SAMS31   WMKK   WBGG,WBKK,WBSB,WMKK,WMKP,WSSS,WSSL (Half-hourly reports)
SAMS32   WMKK   WBGG,WBKK,WMKJ,WMKK,WMKP,WMSA (Hourly reports)
SAMS33   WMKK   WMAU,WMBA,WMKA,WMKB,WMKC,WMKD,WMKI,WMKL,WMKM,
                  WMKN,WMKE (Hourly reports)
SAMS34   WMKK   WBGB,WBGR,WBGS,WBGY,WBKL,WBKS,WBKT,WBKW (Hourly reports)
SAMS38   WMKK   WBGB,WBGR,WBGS,WBKL,WBKS,WBKW,WMKD,WMKL,WMKM
WCMS31   WMKK   WBFC, WMFC
WSMS31   WMKK   WBFC, WMFC
WVMS31   WMKK   WBFC, WMFC

MALDIVES

TTAAii	CCCC	STATIONS or FIR
FTMV31	VRMM	VRMM,VRMG
WSMV31	VRMM	VRMF

MARIANA Is. (U.S.)

TTAAii	CCCC	STATIONS or FIR
FTPQ31	PGUM	PGUM, PGSN, PGRO, PTKK, PKMJ, PGWT, PTRO, PTYA, PTPN, PTSA, PKWA
SAGM31	PGUM	PGUM

MONGOLIA

TTAAii	CCCC	STATIONS or FIR
FTMO31	ZMUB	ZMUB
SAMO31	ZMUB	ZMUB
WSMO31	ZMUB	ZMUB

NEW ZEALAND

TTAAii	CCCC	STATIONS or FIR
FTNZ31	NZKL	NZAA, NZWN, NZCH
SANZ31	NZKL	NZAA, NZWN, NZCH
WCNZ21	NZKL	NZZC
WSNZ21	NZKL	NZZC
WVNZ21	NZKL	NZZC

PAKISTAN

TTAAii	CCCC	STATIONS or FIR
FTPK31	OPKC	OPKC,OPLA,OPNH,OPRN,OPPS,OPGD,OPSK
SAPK31	OPKC	OPKC,OPRN,OPLA,OPNH,OPGD,OPPS,OPSK

PAPUA NEW GUINEA

TTAAii	CCCC	STATIONS or FIR

FTNG31	YBBN	AYPY, ANYN, AGGH
SANG31	YBBN	AYPY,AYWK,AYVN,AYNZ,AYMH,AYGN,AYMO,AGGH

PHILIPPINES

TTAAii	CCCC	STATIONS or FIR
FTPH	RPLL	RPLL,RPLB,RPLC,RPLI,RPVM,RPMD,RPMZ,RPVD,RPVP RPMR
SAPH	RPLC	RPLC
WCPH31	RPLL	RPHI

RUSSIAN FEDERATION

TTAAii	CCCC	STATIONS or FIR
FTAY31	RUMS	UDSG,UDYZ
FTKY31	RUMS	UCFM,UCFO
FTKZ31	RUMS	UAKK,UACC,UATT,UAAA
FTRA31	RUMS	UEEE
FTRA32	RUMS	UHHH,UHMM,UHPP,UHMA
FTRA33	RUMS	UIAA,UIBB,UIII,UIUU
FTRA34	RUMS	UNAA,UNBB,UNKL,UNNT,UNOO
FTRA35	RUMS	UHSS,UHWW,UHBB
FTRA36	RUMS	USCC,USNN,UWUU,UNEE
FTRA37	RUMS	USHH,USRR,USSS,USTR
FTRS31	RUMS	ULLI,UWGG
FTRS32	RUMS	URKK,URMM,URRR,URKA,URSS
FTRS33	RUMS	UUDD,UUEE,UUWW,UUDL,UUBW
FTRS34	RUMS	USPP,UWKD,UWKE
FTRS35	RUMS	UWLW,UWOO,UWWW
FTUZ31	UTTW	UTTT,UTNN,UTSS,UTFN,UTST,UTNU,UTSB,UTSA
SAAY31	RUMS	UDSG,UDYZ
SAKY31	RUMS	UCFM,UCFO
SAKZ31	RUMS	UAAA,UAKK,UAOO,UARR,UATE,UAUU,UACC,UATG,UATT
SARA31	RUMS	UEEE
SARA32	RUMS	UHHH,UHMA,UHMM,UHPP,UHSS,UHWW,UHBB,UHMD
SARA33	RUMS	UIAA,UIBB,UIII,UIUU
SARA34	RUMS	UNAA,UNBB,UNEE,UNKL,UNNT,UNOO,USHH,USTR,UNTT
SARA35	RUMS	USCM
SARA36	RUMS	USCC,USRR,USSS,UWUU,USNN
SATA31	RUMS	UTDD,UTDL
WSRA31	RUPK	UHPP
WVRA31	RUHB	UHHH
WVRA31	RUIR	UIII
WVRA31	RUSH	UHSS
WVRA31	RUVV	UHWW
WVRA31	RUPK	UHPP
WVRA31	RUCH	UIAA
WVRA31	RUMG	UHMM
WVRA32	RUHB	UHNN
WVRA32	RUYK	UELL

WVRA33	RUHB	UHBB
WVRA31	RUHB	UHHH
WSRA31	RUHB	UHHH

SINGAPORE

TTAAii	CCCC	STATIONS or FIR
FTSR31	WSSS	WSSS,WSAP,WSSL,WAAA,WABB,WADD,WARR,WIHH,WIII,WIMM
FTSR32	WSSS	WMKJ,WMKK,WMKP,WMSA,WMKL,WMKM
FTSR33	WSSS	WBSB,WBGG,WBKK,WBGB,WBGR,WBGS,WBKL,WBKS,WBKW
SASR31	WSSL	WSSL
SASR31	WSSS	WSSS
WCSR20	WSSS	WSJC
WSSR20	WSSS	WSJC
WVSR20	WSSS	WSJC

SRI LANKA

TTAAii	CCCC	STATIONS or FIR
FTSB31	VCBI	VCBI
SASB31	VCCC	VCBI, VRMM,VCRI
WSSB31	VCBI	VCCC
FTSB31	VCRI	VCRI
SASB31	VCRI	VCRI

THAILAND

TTAAii	CCCC	STATIONS or FIR
FTAE31	VTBB	VTBS,VTBD,VTBU,VTCC,VTSS,VTSP,VTCT,VTSG,VTUU
FTAE32	VTBB	VDPP,VDSR,VYYY,VYMD,VGHS
FTAE33	VTBB	VLLB,VLLN,VLPS,VLSK,VLVT
FTAE34	VTBB	VVTS,VVNB,VVDN,VVPB,VVCR,VVCT,VVPQ
FTTH31	VTBB	VTCL,VTCN,VTCP,VTPM,VTPP,VTPT,VTPO,VTPB,VTCH,VTPH
FTTH32	VTBB	VTSB,VTSM,VTSC,VTSK,VTST,VTSR,VTSF,VTSH,VTSE
FTTH33	VTBB	VTUD,VTUI,VTUK,VTUL,VTUO,VTUW,VTUQ,VTUV,VTUJ,VTBO
SAAE31	VTBB	VTBS,VTBD,VTCC,VTBU,VTSS,VTSP,VLVT,VYMD,VYYY,VDPP,VDSR
SAAE32	VTBB	VLLB,VLLN,VLPS,VLSK
SAAE33	VTBB	VVTS,VVNB,VVDN,VVPB,VVCR,VVCT,VVPQ
SATH31	VTBB	VTCT,VTCN,VTCP,VTCH,VTPH,VTPP,VTPO,VTCL
SATH32	VTBB	VTSB,VTSM,VTSF,VTSC,VTST,VTSR,VTSG,VTSH
SATH33	VTBB	VTUD,VTUI,VTUK,VTUU,VTUL,VTUO,VTUW,VTUQ,VTUV,VTBO
SATH41	VTBB	VTPB,VTSE,VTPM,VTSK,VTUJ
WCTH31	VTBS	VTBB
WSTH31	VTBS	VTBB
WVTH31	VTBS	VTBB

VIET NAM, SOCIALIST REPUBLIC OF

TTAAii	CCCC	STATIONS or FIR
WCVS31	VVGL	VVNB,VVTS
WSVS31	VVGL	VVNB,VVTS
WVVS31	VVGL	VVNB,VVTS

SOUTH PACIFIC ASIA

TTAAii	CCCC	STATIONS or FIR
SAFJ31	NFFN	NFFN
WCPS21	NZKL	NZZO
WSPS21	NZKL	NZZO
WVPS31	NZKL	NZZO
FVPS01	NZKL	N/A

PACIFIC AREA

TTAAii	CCCC	STATIONS or FIR
FTPA31	PHFO	PHLI,PHNL,PHJR,PHMK,PHNY,PHJH,PHOG,PHTO,PHKO,PMDY, NSTU
SAPA31	KWBC	AGGG,AGGH,ANAU,AYPY,PGNT,PGRO,PGSN,PGUA,PGUM,PGWT, PHJH,PHJR,PHMK,PJON,PKMJ,PKMR,PKWA,PLCH,PMDY,PTKK, PTKR,PTPN,PTRO,PTSA,PTTP,PTYA,PWAK

OTHERS REGION

EASTERN AND SOUTHERN AFRICAN REGION

MAURITIUS

TTAAii	CCCC	STATIONS or FIR
FTMA31	FIMP	FIMP,FIMR
SAMA20	FIMP	FIMP

SEYCHELLES

TTAAii	CCCC	STATIONS or FIR
FTSC31	FSIA	FSIA

SOUTH AFRICA

TTAAii	CCCC	STATIONS or FIR
FTZA31	FAPR	FABL,FACT,FQBR,FQMA,FVHA,FAPE,FALE,FAOR,FLKK,FYWH
FTZA32	FAPR	FALA, FAUP,FVBU,FYKT,FYWB,FYWH,FAGG,FWCL,FWKI
SAZA31	FAPR	FABL,FACT,FAEL,FAGG,,FAKN,FALA,FAPE,FAPN,FAPP,FAUP,FAMM, FALE,FALW,FAOR

EUROPEAN AND NORTH ATLANTIC REGION

AZERBAIJAN

TTAAii	CCCC	STATIONS or FIR

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FTAJ31      UBBB      UBBB,UBBL
SAAJ31      UBBB      UBBB,UBBG,UBBN,UBBL,UBBY,UBBQ
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AUSTRIA
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TTAAii      CCCC      STATIONS or FIR
FTOS31      LOWM      LOWW
FTOS32      LOWM      LOWS,LOWI,LOWK,LOWL,LOWG
FTOS33      LOWM      LOAV,LOAN,LOIH
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BELGIUM, LUXEMBURG
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TTAAii      CCCC      STATIONS or FIR
FTBX31      EBBR      EBBR,ELLX,EBOS,EBLG
SABX31      EBBR      EBAW,EBBR,EBCI,EBLG,EBOS,ELLX
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CZECH REPUBLIC
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TTAAii      CCCC      STATIONS or FIR
FTCZ31      LKPW      LKPR,LKMT,LKTB,LKKV
SACZ31      LKPW      LKPR,LKMT,LKTB,LKKV
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DENMARK
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TTAAii      CCCC      STATIONS or FIR
FTDN31      EKCH      EKCH,EKBI,EKYT,EKAH
SADN31      EKCH      EKCH,EKBI,EKYT,EKRK,EKAH,EKEB,EKRN
SADN32      EKCH      EKVJ,EKSB,EKSN,EKVD,EKOD
SADN33      EKCH      EKKA,EKSP
SADN34      EKCH      EKGF,EKHR,EKHA,EKHD,EKTE,EKGC,EKAV,EKHN
FTDN33      EKCH      EKKA,EKSP
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FINLAND
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TTAAii      CCCC      STATIONS or FIR
FTFI31      EFHK      EFHK,EFTU,EFTP,EFKU,EFJY,EFVA,EFOU,EFRO
SAFI31      EFHK      EFHK,EFJY,EFKU,EFOU,EFRO,EFTP,EFTU,EFVA
SAFI32      EFHK      EFHA,EFHF,EFKA,EFKK,EFMA,EFPO,EFSI
SAFI33      EFHK      EFJO,EFLP,EFMI,EFUT,EFVR,EFSA
SAFI34      EFHK      EFET,EFIV,EFKE,EFKI,EFKS,EFKT
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FRANCE
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TTAAii      CCCC      STATIONS or FIR
FTFR31      LFPW      LFLL,LFMN,LFPG,LFPO
FTFR32      LFPW      LFRB,LFRS,LFQQ
FTFR33      LFPW      LFBD,LFBO,LFML,LFLX
FTFR34      LFPW      LFBH,LFBI,LFBL,LFBP,LFBT,LFBZ,LFLB
FTFR35      LFPW      LFKB,LFKC,LFKF,LFKJ,LFLC,LFMP,LFMV
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FTFR36	LFPW	LFCR,LFLS,LFLY,LFMT,LFMU,LFLP,LFTW
FTFR37	LFPW	LFJL,LFOB,LFOH,LFOK,LFOP,LFSN,LFPB
FTFR38	LFPW	LFRD,LFRN,LFRO,LFRZ,LFSB,LFST
FTFR39	LFPW	LFMI,LFMK,LFTH,LFMH,LFSD
SAFR31	LFPW	LFLL,LFMN,LFPG,LFPO,LFRB,LFQQ,LFRS
SAFR32	LFPW	LFBD,LFBH,LFBI,LFBL,LFBO,LFBP,LFBZ,LFLB,LFLX,LFML,LFBT,LFCK
SAFR33	LFPW	LFKB,LFKF,LFKJ,LFMP,LFSL,LFKC,LFLC,LFMV
SAFR34	LFPW	LFCR,LFJL,LFLP,LFLS,LFLY,LFMU,LFSN,LFOB,LFOH,LFOK,LFOP,LFPB, LFMT,LFQA,LFQB
SAFR35	LFPW	LFMI,LFMK,LFRD,LFRN,LFRO,LFRZ,LFSB,LFST,LFTH,LFOV,LFRI,LFRM,LFRV
SAFR36	LFPW	LFBA,LFBE,LFGJ,LFJR,LFMD,LFMH,LFPN,LFRC,LFRG,LFRK,LFOT
SAFR37	LFPW	LFAQ,LFLN,LFPM,LFRH,LFRQ,LFRT,LFSD,LFTW ,LFAT,LFPT,LFBU

GERMANY

TTAAii	CCCC	STATIONS or FIR
FTDL31	EDZO	EDDF,EDDH,EDDK,EDDM,EDDL
FTDL32	EDZO	EDDB,EDDC,EDDP,EDDT,EDDV,EDDW
FTDL33	EDZO	EDDE,EDDR,EDFH,,EDDG,EDDN,EDDS
FTDL34	EDZO	EDLP,EDLV,EDLW,EDNY,EDOP,EDRZ,EDSB
SADL31	EDZO	EDDF,EDDH,EDDK,EDDL,EDDM,EDDN,EDDS,EDDT,EDDV
SADL32	EDZO	EDDB,EDDC,EDDE,EDDG,EDDP,EDDR,EDDW
SADL33	EDZO	EDFE,EDFH,EDFM,EDLV,EDVK
SADL34	EDZO	EDGS,EDLN,EDLP,EDLW,EDMA,EDNY,EDQM,EDRZ,EDSB,EDHL, EDAC,EDBC
SADL35	EDZO	EDHI,EDMO,EDOP,EDTD,EDVE,EDAH,EDHK,EDJA,EDTL,EDTY,EDXW
SADL36	EDZO	ETNL,ETMN,ETSI

GREECE

TTAAii	CCCC	STATIONS or FIR
FTGR31	LGAT	LGAV,LGEL,LGTS,LGKR
FTGR32	LGAT	LGIR,LGSA,LGKO,LGRP
SAGR31	LGAT	LGAD,LGAV,LGIR,LGKL,LGKO,LGKR,LGLM,LGRP,LGSM,LGTS, LGSA
SAGR32	LGAT	LGAL,LGEL,LGKV,LGMT,LGPZ,LGRX,LGSK,LGSR,LGZA,LGIO
SAGR33	LGAT	LGHI,LGKC,LGKF,LGKP,LGKZ,LGMK,LGNX,LGPA,LGSO,LGBL
WSGR31	LGAT	LGGG

IRELAND

TTAAii	CCCC	STATIONS or FIR
FTIE31	EIDB	EINN,EIDW,EICK,EIKN
SAIE31	EIDB	EIDW,EINN,EICK,EIKN
SAIE32	EIDB	EICM,EIDL,EIKY,EIME,EISG,EIWF

ITALY

TTAAii	CCCC	STATIONS or FIR
FTIY31	LIIB	LIMC,LIME,LIMF,LIMJ,LIML,LIRF,LIRN,LIRP,LIRA,LIEE,LIEO,LIRQ
FTIY32	LIIB	LICC,LICJ,LIPE,LIPZ,LIBD,LIBP,LICA,LIEA,LIPK,LIPO,LIPQ,LIPY
SAIY31	LIIB	LIEA,LIEE,LIEO,LIMC,LIME,LIMF,LIMJ,LIML,LIRA,LIRF, LIRN,LIRP,LIRQ
SAIY32	LIIB	LIBD,LIBR,LICC,LICJ,LIPB,LIPE,LIPH,LIPK,LIPQ,LIPR, LIPX,LIPZ
SAIY33	LIIB	LIMA,LIMG,LIMP,LIMS,LIMW,LIMZ
SAIY34	LIIB	LIPC,LIPF,LIPO,LIPY
SAIY35	LIIB	LIQN,LIQW,LIRG,LIRH,LIRL,LIRM,LIRS,LIRU,LIRV
SAIY36	LIIB	LIBC,LIBF,LIBG,LIBP,LIRI,LIRJ,LIRZ
SAIY37	LIIB	LICA,LICD,LICG,LICR,LICT
WSIY31	LIIB	LIMM
WSIY32	LIIB	LIRR
WSIY33	LIIB	LIBB
WVIY32	LIIB	LIRR

NETHERLANDS

TTAAii	CCCC	STATIONS or FIR
FTNL31	EHDB	EHAM,EHBK,EHGG,EHRD
SANL31	EHDB	EHAM,EHBK,EHGG,EHRD
SANL32	EHDB	EHEH,EHKD
SANL33	EHDB	EHAK,EHDV,EHFD,EHFZ,EHJA,EHJR,EHKV,EHMA,EHMG,EHQE,EHSA, EHSC,EHPG
FTNL32	EHDB	EHEH
WSNL31	EHDB	EHAA

NORWAY

TTAAii	CCCC	STATIONS or FIR
FTNO31	ENMI	ENBR,ENGM,ENVA,ENZV
FTNO32	ENMI	ENAN,ENBO,ENDU,ENOL
FTNO33	ENMI	ENNA,ENSB,ENTC
FTNO38	ENMI	ENGC,ENOA
SANO31	ENMI	ENAN,ENBR,ENBO,ENDU,ENGM,ENOL,ENVA,ENZV
SANO32	ENMI	ENAL,ENCN,ENHD,ENRO,ENRY,ENSB,ENTC,ENTO
SANO33	ENMI	ENAT,ENBL,ENEV,ENFL,ENKB,ENKR,ENML,ENNA
SANO34	ENMI	ENBN,ENBV,ENFG,ENHF,ENRA,ENSH
SANO35	ENMI	ENMS,ENRM,ENRS,ENSK,ENSO,ENST,ENVD
SANO36	ENMI	ENBS,ENHK,ENHV,ENLK,ENMH,ENNK,ENNM
SANO37	ENMI	ENNO,ENOV,ENSD,ENSG,ENSN,ENSR,ENSS
SANO38	ENMI	ENDR,ENEK,ENGC,ENHE,ENOA,ENSL,ENFB,ENSF
SANO39	ENMI	ENNE,ENQR,ENSE,ENQC,ENQA,ENHM,ENVH,ENLA
WSNO31	ENMI	ENOS
WSNO36	ENMI	ENOB

POLAND

TTAAii	CCCC	STATIONS or FIR
FTPL31	EPWA	EPGD,EPKK,EPPO,EPRZ,EPWA,EPLL
SAPL31	EPWA	EPWA,EPGD,EPKK,EPPO,EPRZ,EPLL
SAPL32	EPWA	EPKT,EPLB,EPSC,EPWR,EPBY,EPZG,EPMO

PORTUGAL

TTAAii	CCCC	STATIONS or FIR
FTPO31	LPMG	LPPS,LPPT
FTPO32	LPMG	LPLA,LPPD
FTPO33	LPMG	LPFR,LPMA,LPPR,LPBJ
FTPO34	LPMG	LPAZ
SAPO31	LPMG	LPFR,LPMA,LPPR,LPPS,LPPT,LPBJ
SAPO32	LPMG	LPAZ,LPLA,LPPD,LPHR,LPFL

SPAIN

TTAAii	CCCC	STATIONS or FIR
FTSP31	LEMM	LEBL,LEMD,LEMG,LEPA,LEVC
FTSP32	LEMM	LEAS,LECO,LEGR,LEXJ,LEPP
FTSP33	LEMM	LEAL,LEGE,LEST,LEZG,LEVX
FTSP34	LEMM	LEBB,LEJR,LELC,LESO,LEVT
FTSP35	LEMM	LETO,LEBZ,LEVD
FTSP36	LEMM	LEAM,LEIB,LEMH,LERS,LEZL
FTSP37	LEMM	LEDA,LEHC,LELL
SASP31	LEMM	LEMD,LEBL,LEPA,LEZL,LEMG,LEVC,LEAL,LEIB,LEVX
SASP32	LEMM	LEAS,LEBB,LECO,LEGE,LEST,LEZG,LESO,LEVT,LERS,LEMH, LEAM,LEGR
SASP33	LEMM	LEVD,LEVS,LESA
SASP34	LEMM	LEJR,LELL,LEPP,LEXJ,LEDA
SASP35	LEMM	LEAB,LEBZ,LELN,LETO,LELC
SASP36	LEMM	GEML
SASP37	LEMM	LEBG,LEHC,LEBA

SLOVENIA

TTAAii	CCCC	STATIONS or FIR
FCLJ31	LJLJ	LJPZ
FCLJ32	LJLJ	LJCE
FTLJ31	LJLJ	LJLJ,LJMB
WSLJ31	LJLJ	LJLA

SWEDEN

TTAAii	CCCC	STATIONS or FIR
FTSN31	ESWI	ESGG,ESKN,ESMS,ESSA
SASN31	ESWI	ESGG,ESGJ,ESGP,ESGT,ESMK,ESMQ,ESMS,ESMT,ESMX,ESTA,ESTL
SASN32	ESWI	ESKN,ESOE,ESOK,ESOW,ESSA,ESSB,ESSD,ESSP,ESSV

SASN33	ESWI	ESNG,ESNK,ESNN,ESNO,ESNS,ESNU,ESNZ,ESUT,ESNQ
SASN34	ESWI	ESDF,ESPA,ESSL,ESCF,ESIB,ESMV,ESPE
SASN35	ESWI	ESGR,ESKM,ESNL,ESNX,ESNY,ESSF,ESSK,ESUD
WSSN31	ESWI	ESAA

SWITZERLAND

TTAAii	CCCC	STATIONS or FIR
FTSW31	LSSW	LSZH,LSGG
SASW31	LSSW	LSZH,LSGG,LSZB,LSZA
SASW32	LSSW	LSGC,LSGS,LSZG,LSZR,LSZS,LSZC,LSZL
SASW39	LSSW	LSMA,LSMD,LSME,LSMM,LSMP,LSMS
WSSW31	LSSW	LSAS

TURKEY

TTAAii	CCCC	STATIONS or FIR
FTTU31	LTAA	LTAC,LTAI,LTBA,LTBJ,LTBS,LTFE,LTFJ
FTTU32	LTAA	LTAF,LTAJ,LTAZ,LTCG,LTCS,LTFC,LTBU
FTTU33	LTAA	LTAU,LTCC,LTAT,LTAG,LTAP,LTCE,LTCJ
FTTU34	LTAA	LCEN
SATU31	LTAA	LTAC,LTAF,LTAI,LTAJ,LTAZ,LTBA,LTBJ,LTBS,LTCG,LTFE,LTCS,LTFJ, LTFC
SATU32	LTAA	LTAU,LTBU,LTCC,LTCE,LTAG,LTAP,LTAT,LTCJ,LTAN,LTBF
SATU33	LTAA	LTCI,LTFH,LTAR,LTAY,LTBR,LTBY,LTCA,LTCD,LTCF,LTDA
SATU34	LTAA	LTAL,LTAS,LTAW,LTBD,LTBH,LTBO,LTCK,LTCL,LTCM,LTCN,LTCO,LTCP,LTCR, LTCT,LTCU,LTCV,LTFD,LTFG
SATU35	LTAA	LCEN

UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

TTAAii	CCCC	STATIONS or FIR
FTUK31	EGGY	EGCC,EGKK,EGLL,EGSS
FTUK32	EGGY	EGGP,EGNT,EGNX,EGNM
FTUK33	EGGY	EGBB,EGFF,EGGD,EGGW
FTUK34	EGGY	EGVN,EGWU
FTUK35	EGGY	EGAA,EGPD,EGPF,EGPH,EGPK
SAUK31	EGGY	EGBB,EGCC,EGKK,EGLL,EGPF,EGPH,EGPK,EGSS
SAUK32	EGGY	EGAA,EGAC,EGFF,EGGW,EGLC,EGNM,EGNX,EGPD
SAUK33	EGGY	EGGD,EGGP,EGHI,EGNS,EGNT,EGNV,EGPB
SAUK34	EGGY	EGHE,EGHK,EGHQ,EGJA,EGJB,EGJJ,EGTE
SAUK35	EGGY	EGHH,EGKA,EGKB,EGLF,EGMC,EGMD,EGMH,EGTC
SAUK36	EGGY	EGBE,EGBJ,EGCN,EGSC,EGSH,EGVN,EGWU,EGSD
SAUK37	EGGY	EGAE,EGNC,EGNH,EGNJ,EGNR,EGPE,EGPI,EGPN,EGNO
SAUK38	EGGY	EGEC,EGPA,EGPC,EGPL,EGPM,EGPO,EGPU,EGEO
SAUK39	EGGY	EGUN
WSUK31	EGRR	EGTT
WSUK33	EGRR	EGPX

YUGOSLAVIA (SERBIA AND MONTENEGRO)

TTAAii	CCCC	STATIONS or FIR
FTYG31	LYBM	LYBE,LYBT,LYKV,LYNI,LYPG,LYPR,LYTV,LYUZ,LYVR
SAYG31	LYBM	LYBE,LYBT,LYKV,LYNI,LYPG,LYTV,LYUZ,LYVR,LYPR
WSYG31	LYBM	LYBA

EASTERN EUROPE

TTAAii	CCCC	STATIONS or FIR
FTKZ31	RUMS	UAAA,UACC,UATT,UAKK
SAEE31	LOWM	UACK,UACP,UAII,UADD,UASK,UASP,UAOO,UAKD
SAKZ31	RUMS	UAAA,UACC,UAKK,UAOO,UARR,UATE,UATG,UATT,UAUU
WSTR31	RUMS	UTAA

MIDDLE EAST REGION

BAHRAIN

TTAAii	CCCC	STATIONS or FIR
FTBN31	OBBI	OBBI,OEDF,OEDR,OTBD,OKBK
FTBN32	OBBI	OMAA,OMAD,OMAL,OMDB,OMDW,OMFJ,OMRK,OMSJ,OOMS,OOSA
SABN31	OBBI	OBBI,OEDF,OEDR,OTBD,OKBK
SABN32	OBBI	OMAA,OMAD,OMAL,OMDB,OMDW,OMFJ,OMRK,OMSJ,OOMS,OOSA

CYPRUS

TTAAii	CCCC	STATIONS or FIR
FTCY31	LCLK	LCLK,LCPH,LCNC
SACY31	LCLK	LCLK,LCPH,LCNC

EGYPT

TTAAii	CCCC	STATIONS or FIR
FTEG31	HECA	HEAX,HECA,HELX,HESN,HEBL,HEAT,HESG,HETB,HEMA
FTEG32	HECA	HEGN,HESH,HEAR,HESC,HEBA,HEMM,HEAL,HEPS
SAEG31	HECA	HECA
SAEG32	HECA	HEMM,HEAX,HEAL,HELX,HESN,HEAR,HEGN,HEPS,HETB,HESH,HEAT, HEBA,HEBL,HESC,HESG,HEMA
WSEG31	HECA	HECC

IRAN, ISLAMIC REPUBLIC OF

TTAAii	CCCC	STATIONS or FIR

FTIR31	OIII	OIII,OIFM,OISS,OIKB,OIAW,OIMM,OIZH,OITT,OIKK
FTIR32	OIII	OIIE,OITR,OIBK,OIAA
FTIR33	OIII	OIZC
SAIR31	OIII	OIAW,OIFM,OIII,OIKB,OIKK,OIMM,OISS,OITT,OIZH
SAIR32	OIII	OIAA,OIBK,OICC,OIGG,OIIE,OITR,OIYY,OAKB,OAKN
SAIR33	OIII	OIBB,OIBP,OICK,OICS,OIHH,OINZ,OITL,OIZC,OISR
SAIR34	OIII	OIAG,OIAM,OICI,OIKQ,OINN,OINR,OISL,OISY,OITZ
SAIR35	OIII	OIAD,OIBJ,OIBS,OIHR,OIKM,OIKR,OING,OIZB,OIZI
SAIR36	OIII	OIBA,OIBV,OIFS,OIIP,OIMB,OIMN,OIMS,OIMT,OIZJ
SAIR37	OIII	OIBQ,OIIK,OIMC,OIMD,OIMQ,OITK,OITM,OIBL,OINE
WSIR31	OIII	OIIX

LEBANON

TTAAii	CCCC	STATIONS or FIR
FTME31	OLBA	OJAI,OJAM,OJAQ,OLBA,ORMM,OASP,OSDI,OSLK
SAME31	OLBA	OJAI,OJAM,OJAQ,OLBA,OSAP,OSDI,OSLK

SAUDI ARABIA

TTAAii	CCCC	STATIONS or FIR
FTSD31	OEJD	OEDF,OEDR,OEJN,OEMA,OERK,OYSN,OYAA
FTSD32	OEJD	OETF
FTSD22	OEJD	OEJN,OEMA,OERK,OEDF,OEDR
FTSD40	OEJD	OEAB,OEBA,OEBH,OEGN,OEKM,OENG,OEWD,OESH,OETF,OEYN, OEWJ,OEAH,OEGS,OEGT,OEHL,OEPA,OERY,OEKK,OERF,OERR, OEKJ,OEDM,OESK,OETB,OETR,OEJB
SASD31	OEJD	OEDF,OEDR,OEJN,OEMA,OERK,OYSN,OYAA
SASD32	OEJD	OETF
WSSD20	OEJD	OEJD

SYRIAN ARAB REPUBLIC

TTAAii	CCCC	STATIONS or FIR
SASY31	OSDI	OSDI,OSLK,OSKL

NORTH AMERICAN, CENTRAL AMERICAN AND CARIBBEAN REGION

HAWAIIAN ISLANDS

TTAAii	CCCC	STATIONS or FIR

SAPA31	KWBC	AGGG,AGGH,ANAU,AYPY,PGNT,PGRO,PGSN,PGUA,PGUM,PGWT, PHJH,PHJR,PHMK,PJON,PKMJ,PKMR,PKWA,PLCH,PMDY,PTKK, PTKR,PTPN,PTRO,PTSA,PTTP,PTYA,PKWA
SAHW31	KWBC	PBKH,PHJR,PHKO,PHLI,PHNL,PHOG,PHTO,PNGF

UNITED STATES OF AMERICA

TTAAii	CCCC	STATIONS or FIR
FTUS31	KWBC	KABQ,KBMG,KBNA,KEWR,KIND,KJAX,KJFK,KLGA,KMCO,KOAK,KSFO,KSTL, KSWF,KTEB,KTPA,KBGR,KCLE,KFLL,KMIA,KONT,KPBI,KPIT,KSAN,KSEA,KCLT, KDTW,KMSY,KORF,KPHF,KPHL,KBOS,KIAH,KMCI,KMTH,KOKC,KPHX,KRDU, KLIT,KMEM,KBHM,KCHS,KDEN,KDFW,KATL,KBWI,KIAD,KLAS,KCVG,KMSP, KORD,KLAX
SAUS31	KWBC	KABQ,KATL,KBGR,KBHM,KBNA,KBOS,KBWI,KCHS,KCLE,KCLT,KCVG,KDEN, KDFW,KDTW,KEWR,KFLL,KIAD,KIAH,KIND,KJAX,KJFK,KLAS,KLAX,KLGA, KLGC,KLIT,KLOU,KMCI,KMCO,KMEM,KMIA,KMSP,KMSY,KOAK,KOKC,KONT, KORD,KORF,KPBI,KPHF,KPHL,KPHX,KPIT,KRDU,KSAN,KSEA,KSFO,KSTL, KSWF,KTEB,KTPA
FTUS71 SAUS71	KWBC	Eastern US KABE,KACK,KACY,KAGC,KAGS,KAKR,KALB,KAND,KAOO,KAPG,KART,KAVL, KAVP,KBAF,KBDL,KBDR,KBED,KBFD,KBGM,KBGR,KBKL,KBKW,KBOS,KBTV, KBUF,KBVY,KBWI,KCAE,KCAK,KCAR,KCEF,KCHO,KCHS,KCKB,KCLE,KCLT, KCMH,KCRW,KCVG,KDAN,KDAY,KDCA,KDUJ,KECG,KEKN,KELM,KERI,KEWB, KEWN,KEWR,KFAY,KFLO,KFRG,KFVE,KGFL,KGON,KGSO,KGSP,KHFD,KHKY, KHPN,KHTS,KHVN,KHYA,KIAD,KIAG,KILG,KILM,KINT,KIPT,KISP,KJFK,KJST, KLBE,KLCK,KLEB,KLGA,KLUK,KLWM,KLYH,KMDT,KMFD,KMGW,KMHT,KMIV, KMMU,KMRB,KMSS,KMTN,KMYR,KNKT,KOQU,KORF,KORH,KPHF,KPHL,KPIT, KPKB,KPOU,KPQI,KPSM,KPVD,KPWM,KRDG,KRDU,KRIC,KROA,KROC, KRWI,KSAV,KSBY,KSCH,KSLK,KSWF,KSYR,KTEB,KTOL,KTTN,KWRI,KYNG,KZZV
FTUS72 SAUS72	KWBC	Southern US KABI,KABQ,KABY,KACT,KAEX,KAFW,KAHN,KALI,KAMA,KANB,KAPF,KATL, KAUS,KBFM,KBHM,KBNA,KBPT,KBQK,KBRO,KBTR,KCEW,KCHA,KCLL,KCNM, KCRP,KCSG,KCSV,KDAB,KDAL,KDFW,KDHN,KDLF,KDMN,KELP,KESF,KEYW, KFLL,KFSM,KFTW,KFTY,KGGG,KGLS,KGNV,KGPT,KGUP,KGWO,KHOT,KHOU, KHRL,KHRO,KHSV,KIAH,KINK,KJAN,KJAX,KJBR,KLBB,KLCH,KLFT,KLIT,KLRD, KLRU,KMAF,KMCN,KMCO,KMEI,KMEM,KMFE,KMGM,KMIA,KMKL,KMLB,KMLC,KMLU,KMOB,KMSL,KMSY,KNEW,KNGP,KOKC,KPBI,KPDK,KPIE,KPNS, KROW,KRSW,KSAT,KSFB,KSHV,KSJT,KSRQ,KSSI,KTCC,KTCL,KTCS,KTLH,KTPA, KTRI,KTUL,KTUP,KTXK,KTYR,KTYS,KVCT,KVLD,KVRB,TIST,TISX,TJBQ,TJMZ, TJPS,TJSJ,TKPK,TNCM

FTUS73   KWBC   Central US
SAUS73

KABR,KALN,KALO,KAPN,KASE,KATY,KAXN,KAZO,KBDE,KBFF,KBIS,KBJC,KBKF,
KBRL,KBTL,KCGI,KCID,KCIU,KCMI,KCMX,KCOS,KCOU,KCPR,KCYS,KDDC,KDEC,
KDEN,KDET,KDLH,KDSM,KDTW,KEAU,KEGE,KELO,KEVV,KFAR,KFNT,KFSD,
KFWA,KGCK,KGFK,KGJT,KGRB,KGRI,KGRR,KGYY,KHIB,KHON,KHUF,KHUT,KICT,
KIKK,KIND,KINL,KIRK,KJAC,KJLN,KJMS,KJXN,KLAN,KLAR,KLBF,KLBL,KLEX,
KLNK,KLOU,KLOZ,KLSE,KMBS,KMCI,KMDW,KMHK,KMKC,KMKE,KMKG,KMLI,
KMOT,KMSN,KMSP,KOFF,KOMA,KORD,KOSH,KOTM,KOWB,KPAH,KPIA,KPIR,
KPLN,KPTK,KPUB,KRAP,KRFD,KRKS,KRST,KSAW,KSBN,KSDF,KSDM,KSGF,KSLN,
KSPI,KSTC,KSTJ,KSTL,KSTP,KSUS,KSUX,KTVC,KUIN,KWRL,KYIP

FTUS74   KWBC   Western US
SAUS74

KACV,KALW,KBFI,KBFL,KBIL,KBKE,KBLI,KBOI,KBTM,KBUR,KBYI,KBZN,KCDC,
KCEC,KCLM,KCTB,KEKO,KEUG,KFAT,KFLG,KGCN,KGEG,KGGW,KGTF,
KHLN,KHQM,KIDA,KIWA,KLAS,KLAX,KLGB,KLMT,KLVM,KMFR,KMLS,KMRY,
KMSO,KMYV,KNTD,KOAK,KOGD,KOLM,KONT,KOTH,KPAE,KPDX,KPHX,KPIH,
KPMD,KPRB,KPRC,KPSP,KRBL,KRDD,KRDM,KRNO,KRNT,KSAC,KSAN,KSBA,
KSBD,KSBP,KSCK,KSEA,KSFF,KSFO,KSHR,KSJC,KSLC,KSMF,KSMX,KSNA,KSNS,
KTIW,KTUS,KTVL,KTWF,KUKI,KYKM

FTUS75   KWBC   Pacific US/Alaska
SAUS75

PABR,PABT,PACV,PADL,PADU,PAEN,PAGA,PAGK,PAGY,PAIL,PAKN,PAKT,PASC
PASI,PATA,PAUN,PAVD,PHJH,PHMK,PMDY,PGUA,PGUM,PAEI,PAPG,PASN,
PHLI,PANC,PABI,PABE,PAMC,PAOM,PAOR,PAOT,PAPG,PATK,PAYA,PAGS,
PAHO,PAJN,PHNY,PHOG,PHTO,PAFB,PADK,PATC,PGRO,PHNL,PWAK,PABA,
PACZ,PADK,PAEH,PAEI,PAFA,PAGS,PALU,PANT

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APPENDIX E

REGIONAL OPMET DATA BANK – TOKYO

(RODB Tokyo)

1. **General Information**

1.1 **AFTN Address:** RJTDYZYX

1.2 **MET data types held:**

SA	METAR
SP	SPECI
FC/FT	TAF (validity = 9 hr/ 12 to 30 hr)
WS	SIGMET
WC	Tropical Cyclone SIGMET
WV	Volcanic Ash SIGMET
FV	Volcanic Ash Advisory
FK	Tropical Cyclone Advisory
UA	AIREP

Note:
- a) A request message for METAR will be replied with the latest METAR and/or SPECI reports for the requested station.
- b) A request message for SIGMET (WS, WC or WV) will be replied with all valid SIGMETs (WS, WC and WV) for the CCCC or AAii specified.
- c) In a request message for FK or FV bulletins, a dummy station indicator, e.g. XXXX, can be used for CCCC.

1.3 **Restriction:**
The restrictions on a request message are given in paragraph 3.2.3

1.4 **Response:**

- a) The format of a reply message is shown in paragraph 3.3 with some examples.
- b) An error message will be replied when a request message does not meet conditions described in paragraph 3.2.3.

2. **Contact Information**

For any assistance in accessing the data bank, please contact the following officer:

Mr. Kenji KOSUGE
Scientific Officer
Information and Telecommunication Division, Forecast Department
Japan Meteorological Agency
1-3-4 Otemachi, Chiyoda-ku
Tokyo 100-8122
Tel: + 81 (3) 3218 3825
Fax: +81 (3) 3211 8404
e-mail: k-kosuge@met.kishou.go.jp

3. **Practical Procedures:**

3.1 Aviation weather reports available upon request

3.1.1. Reports

A requestor can retrieve the latest reports during the past 2, 8 and 14 hours for the reports SA/SP, WS/WC/WV and FC/FT, respectively.

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3.1.2. Bulletins

Requestor can retrieve the latest bulletins that are currently distributed or exchanged through AFTN at RODB Tokyo during the past 24 hours (see data bank catalogue).

3.2   Request message

3.2.1   Format of request messages for reports

A request line format for reports is as follows. These are classified into two types as Type I and Type II. They are different in respect of a limit to the number of data types and locations that can be requested (see paragraph 3.2.2).

Type I:

$RQM/TTCCCC=$

$RQM/TTCCCC_1,CCCC_2,CCCC_3,\ldots,CCCC_n=$

$RQM/TT_1CCCC_1/TT_2CCCC_2/\ldots/TT_nCCCC_n=$

Type II:

$RQM/TT_1CCCC,TT_2,\ldots,TT_n=$

Note: The identifier TT indicates a data type as being shown in paragraph 1.1. The CCCC is a location indicator.

3.2.2   A request line format for bulletins is as follows;

$RQM/TTAAii=$

$RQM/TTAAii CCCC=$

$RQM/TTAAii CCCC YYGGgg (BBB)=$

Note: The YYGGgg is an international date-time group. The indicator BBB has one of the following forms as defined below:

RRx - for delayed routine meteorological reports;

CCx - for corrections to previously relayed reports;

AAx - for amendments to processed information;

Pxx - for segmenting a large set of information into several bulletins;

3.2.3   Restrictions for the request message

a) The designator "RQM" and "=" shall be included at the beginning and the end of each individual request line, respectively.

b) A request line shall be composed of one line.

c) Length of a request line shall not exceed 69 characters including the designator "RQM" and "=".

d) Up to ten requests lines can be included in one request message.

e) In case of Type I described above (see paragraph 3.2.1), up to three data types and ten locations can be included in single request message.

f) In case of Type II described above (see paragraph 3.2.1), up to six data types and two locations can be

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included in single request message.

g)   Only one bulletin can be requested by single request line.

h)   Up to six bulletins can be requested by single request message.

3.2.4   Examples of the data request line (see paragraph 3.2.3 on restrictions of Type I and II)

a)   A request for one data type and one location (e.g. the latest METAR at RJAA)

RQM/SARJAA=   … (Type I)

b)   A request for one data type and plural locations (e.g. the latest METARs at RJAA, RJTT, and RJOO)

RQM/SARJAA,RJTT,RJOO=   … (Type I)
or
RQM/SARJAA/SARJTT/SARJOO=   … (Type I)
or
RQM/SARJAA=   … (Type I)
RQM/SARJTT=
RQM/SARJOO=

c)   A request for plural data types and one location (e.g. the latest METAR, SPECI and TAF at RJAA)

RQM/SARJAA/SPRJAA/FTRJAA=   … (Type I)
or
RQM/SARJAA=   … (Type I)
RQM/SPRJAA=
RQM/FTRJAA=
or
RQM/SARJAA,SP,FT=   … (Type II)

d)   A request for plural data types and plural locations (e.g. the latest METARs and TAFs at RJAA and RJTT)

RQM/SARJAA,RJTT/FTRJAA,RJTT=   … (Type I)
or
RQM/SARJAA,RJTT=   … (Type I)
RQM/FTRJAA,RJTT=
or
RQM/SARJAA,FT=   … (Type II)
RQM/SARJTT,FT=

e)   A request for bulletins (e.g. the latest bulletins "SAJP31" and "SAJP32")

RQM/SAJP31=
RQM/SAJP32=

f)   A request for bulletins with CCCC (e.g. the latest bulletin "SAJP37 RJTD")

RQM/SAJP37 RJTD=

Note: The CCCC is a location indicator.

g)   A request for bulletins with YYGGgg (e.g. the above bulletin at 02:00 UTC on 19th)

RQM/SAJP37 RJTD 190200=

Note: The YYGGgg is an international date-time group.

h)   A request for mix both of bulletins and reports (e.g. the latest METAR at RJAA and bulletin "SAJP37

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RJTD")

        RQM/SARJAA=
        RQM/SAJP37=

3.3   Reply message

3.3.1   Format of reply messages

    a)   Reply for a report request

    The format is the same as the bulletin provided in accordance with *the WMO publication No.306, Manual on Codes*. A reply message has a WMO abbreviated heading line at the beginning of its message. Each individual meteorological report in a reply message is the same form as originated reports.

    TTXX99 RJTD $Y_1Y_1G_1G_1g_1g_1$
    MMMM $C_1C_1C_1C_1$ ...=
    MMMM $C_2C_2C_2C_2$ ...=

    Note: "MMMM" is a code name (e.g. METAR, TAF, etc).

    b)   Reply for a bulletin request

    The WMO abbreviated heading line for a requested bulletin is followed by its text as follows.

    TTAAii CCCC YYGGgg
    (Text of the requested bulletin)

3.3.2   Example of reply messages

    a)   Reply to a request for the latest TAF at RJAA, RJBB and RJOO

    FTXX99 RJTD 120200
    TAF RJAA 120228Z 1203/1306 35008KT 9999 SCT020 BKN050=
    TAF RJBB 120240Z 1203/1306 28012KT 9999 FEW025 SCT045=
    TAF RJOO 120241Z 1203/1306 27006KT 9999 FEW025 SCT040=

    b)   Reply to a request for the latest METAR at RJBB, RJGG and RJOO

    SAXX99 RJTD 130000
    METAR RJBB 130000Z 32007KT 9999 FEW025 05/M02 Q1022 NOSIG=
    METAR RJGG 130000Z 30008KT 9999 FEW030 05/M02 Q1021=
    METAR RJOO 130000Z VRB01KT 9999 FEW025 05/M01 Q1022=

    c)   Reply to a request for the latest bulletin with WMO abbreviated heading FVFE01

    FVFE01 RJTD 180030
    VA ADVISORY

    DTG: 20090318/0030Z
    VAAC: TOKYO
    VOLCANO: KORYAKSKY 1000-09
    PSN: N5319E15841
    AREA: RUSSIA
    SUMMIT ELEV: 3456M
    ADVISORY NR: 2009/15
    INFO SOURCE: MTSAT-1R KVERT

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AVIATION COLOUR CODE: NIL
ERUPTION DETAILS: POSSIBLE ERUPTION OBS AT 20090317/2159Z FL120 EXTD
NE ON SATELLITE IMAGERY.
OBS VA DTG: 17/2332Z
OBS VA CLD: UNKNOWN/FL120 N5328E15838-N5409E16048-N5345E16052-N5319E1
5845 MOV NE
FCST VA CLD +6HR: 18/0532Z SFC/FL200 N5428E16130-N5430E16230-N5329E16
229-N5300E16101-N5300E16000-N5358E15959 FL200/550 NO VA EXP
FCST VA CLD +12HR: 18/1132Z SFC/FL200 N5345E15928-N5428E16229-N5430E1
6330-N5328E16327-N5259E16200-N5300E15930 FL200/550 NO VA EXP
FCST VA CLD +18HR: 18/1732Z SFC/FL200 N5359E15829-N5430E16228-N5430E1

6330-N5338E16327-N5259E16130-N5300E15830 FL200/550 NO VA EXP
RMK: NIL
NXT ADVISORY: 20090318/0600Z=

3.3.3   Error messages

The WMO abbreviated heading line for a Error messages is followed by its text as follows.

ZZXX99 RJTD YYGGgg
text of the Error messages

Error messages will be issued in the following cases.

a)   No report or no bulletin to reply is found in the data bank.

FOLLOWING DATA WERE NOT RECEIVED
DURING PAST yy HOURS AT RJTDYZYX DATA BANK
(Concerned location indicators or WMO abbreviated heading of bulletins)

Example 1: No latest METARs from RJSN, RJOA and RJOB are received at the data bank..

FOLLOWING DATA WERE NOT RECEIVED
DURING PAST 2 HOURS AT RJTDYZYX DATA BANK
SARJSN,RJOA,RJOB=

Example 2: No latest bulletin "SAJP37" is received at the data bank.

FOLLOWING DATA WERE NOT RECEIVED
DURING PAST 24 HOURS AT RJTDYZYX DATA BANK
SAJP37=

b)   Requested data type is not available.

FOLLOWING DATA ARE NOT SERVICED BY RJTDYZYX DATA BANK
(Data types regarded as error)

Example: Wrong data type such as "SM" is used for request.

FOLLOWING DATA ARE NOT SERVICED BY RJTDYZYX DATA BANK
RQM/SM=

c)   Some format errors are found in a request message.

REF YR REQUEST YYGGgg LLLLOOOO : FORMAT ERROR
(Request data line regarded as error)

Example: "RQ" instead of "RQM" is used in a request message from ABCDYMYX at 02:23 UTC
19th.

REF YR REQUEST 190223 ABCDYMYX : FORMAT ERROR
RQ/SARJAA=

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d) The number of data types and/or locations in a request message exceeds the limit.

REF YR REQUEST YYGGgg LLLLOOOO : REQUEST OVERFLOW
(Requested data types or locations which exceed the limitation)

Example: Latest 12 METARs and 3 TAFs are requested by a message from ABCDYMYX at 02:23 UTC 19th.

REF YR REQUEST 190223 ABCDYMYX : REQUEST OVERFLOW
RQM/SARJOA,RJOB=
RQM/FTRJAA,RJTT,RJOO=

3.4 Examples of request and reply messages

3.4.1 Example 1: A request is received from ABCDYMYX at 02:24 UTC 12th.

a) The request message asks for the latest TAFs and METARs of RJAA, RJBB and RJOO as follows.

ZCZC
GG RJTDYZYX
120324 ABCDYMYX
RQM/FTRJAA,RJBB,RJOO=
RQM/SARJAA,RJBB,RJOO=
NNNN

b) The reply messages are issued as two bulletins for TAF and METAR as follows.

ZCZC
GG ABCDYMYX
120325 RJTDYZYX
FTXX99 RJTD 120200
TAF RJAA 120228Z 1203/1306 35008KT 9999 SCT020 BKN050=
TAF RJBB 120240Z 1203/1306 28012KT 9999 FEW025 SCT045=
TAF RJOO 120241Z 1203/1306 27006KT 9999 FEW025 SCT040=
NNNN

ZCZC
GG ABCDYMYX
120325 RJTDYZYX
SAXX99 RJTD 120300
METAR RJAA 120300Z 02009KT 9999 BKN040 08/M03 Q1018 NOSIG=
METAR RJBB 120300Z 04012KT 9999 SCT025 10/M02 Q1018 NOSIG =
METAR RJOO 120300Z 02009KT 9999 BKN035 09/M01 Q1022=
NNNN

3.4.2 Example 2: A request is received from ABCDYMYX at 08:23 UTC 19th.

a) The request message asks for the latest 12 METARs (exceeding the upper limit) and 3 TAFs as follows.

ZCZC
GG RJTDYZYX
190823 ABCDYMYX
RQM/SARJAA,RJTT,RJOO,ROAH,RJFF,RJGG=
RQM/SARJCC,RJFK,RJSN,RJFT,RJOA,RJOB=
RQM/FTRJAA,RJTT,RJOO=
NNNN

b) The reply messages are issued as two bulletins for 10 METARs and an error message for remains.

ZCZC
GG ABCDYMYX
190825 RJTDYZYX
SAXX99 RJTD 190800
METAR RJAA 190800Z 02009KT 9999 BKN40 08/M03 Q1018 NOSIG=
METAR RJTT 190800Z 04012KT 9999 SCT025 10/M02 Q1018=
METAR RJOO 190800Z 02009KT 9999 SCT035 09/M01 Q1022=
METAR ROAH 190800Z 03013KT 9999 SCT020 7AC080 17/11 Q1021=
METAR RJFF 190800Z 04007KT 9999 SCT025 09/04 Q1024=
METAR RJGG 190800Z 32010KT 9999 SCT030 11/M06 Q1019=
METAR RJCC 190800Z 01016KT 9999 SCT025 M00/M06 Q1019=
METAR RJFK 190800Z 04009KT 9999 SCT040 11/M05 Q1022=
METAR RJSN 190800Z 15008KT 9999 SCT035 09/M01 Q1022=
METAR RJFT 190800Z VRB03KT 9999 SCT020 10/M02 Q1023=

NNNN

ZCZC
GG ABCDYMYX
190825 RJTDYZYX
ZZXX99 RJTD 190825
REF YR REQUEST 190823 ABCDYMYX : REQUEST OVERFLOW
RQM/SARJOA,RJOB=
RQM/FTRJAA,RJTT,RJOO=
NNNN

RODB Tokyo-OPMET Data Catalogue:

Bulletin

Bulletins available from the RODB-Tokyo are listed below.

ASIA/PACIFIC REGION

AUSTRALIA

TTAAii	CCCC	STATIONS or FIR
FTAU31	YBBN	YPAD, YBBN, YPDN, YMML, YPPH, YSSY
FTAU32	YBBN	YBAS, YBCG, YBCS, YBTL, YGEL, YMAV, YPKG, YPLM, YPTN, YSCB
FTAU33	YBBN	YBRK, YBRM, YCFS, YHID, YMHB, YMLT, YPCC, YPEA, YPJT, YPPD, YPWR, YPXM, YSDU, YSNF, YSRI, YSTW, YWLM
FTAU34	YBBN	YAMB, YBHM, YBMA, YCIN, YFRT, YPGV, YPKU
FTAU35	YBBN	YCIN, YFRT
FTNG31	YBBN	AGGH, ANYN, AYPY
FTTM31	YBBN	WPDL
SAAU31	AMMC	YBAS, YBBN, YBCS, YBTL, YMML, YPAD, YPCC, YPDN, YPKU, YPLM, YPPH, YPTN, YPXM, YSSY
SAAU31	YBBN	YBAS, YBBN, YBCG, YBCS, YBTL, YCFS, YHID, YMML, YPAD, YPCC, YPDN, YPJT, YPKU, YPLM, YPPH, YPTN, YPXM, YSCB, YSSY, YSTW

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SAAU32	AMMC	YAMB, YBHM, YBMA, YBRK, YBRM, YCIN, YFRT, YMAV, YMHB, YMLT, YPEA, YPGV, YPKG, YPPD, YSDU, YSNF, YSRI, YWLM,
SAAU32	YBBN	YAMB, YBHM, YBMA, YBRK, YBRM, YCIN, YFRT, YGEL, YMAV, YMHB, YMLT, YPEA, YPGV, YPKG, YPPD, YPWR, YSDU, YSNF, YSRI, YWLM
SANG31	YBBN	AGGH, AYMH, AYMO, AYNZ, AYPY, AYVN, AYWK
FKAU01	ADRM	
FKAU02	ADRM	
FKAU03	ADRM	
FKAU04	ADRM	
FKAU05	ADRM	
FVAU01	ADRM	
FVAU02	ADRM	
WCAU01	ADRM	YBBB
WCAU01	APRF	YBBB
WSAU21	ABRF	YBBB
WSAU21	ABTL	YBBB
WSAU21	ADRM	YBBB, YMMM
WSAU21	AMHF	YMMM
WSAU21	AMMC	YBBB, YMMM
WSAU21	AMRF	YBBB
WSAU21	APRF	YBBB, YMMM
WSAU21	APRM	YMMM
WSAU21	ASRF	YBBB, YMMM
WVAU01	ADRM	YBBB, YMMM

BANGLADESH

TTAAii	CCCC	STATIONS or FIR
WSBW20	VGZR	VGFR

BRUNEI DARUSSALAM

TTAAii	CCCC	STATIONS or FIR
SABD31	WBSB	WBSB

CAMBODIA

TTAAii	CCCC	STATIONS or FIR
SAAE31	VDSR	VDSR

CHINA

TTAAii	CCCC	STATIONS or FIR
FTCI31	ZBBB	ZBAA, ZBSJ, ZBTJ, ZBYN, ZGGG, ZSHC, ZSPD, ZSSS, ZWSH, ZWWW, ZYTL, ZYTX
FTCI32	ZBBB	ZGKL, ZGNN, ZGOW, ZGSZ, ZLXY, ZMUB, ZPPP, ZSAM, ZSFZ, ZSQD, ZUUU, ZSNB
FTCI41	ZBBB	ZBHH, ZGHA, ZHCC, ZHHH, ZJHK, ZJSY, ZLLL, ZSNJ, ZSOF, ZUCK, ZYCC, ZYHB
SACI31	ZBBB	ZBAA, ZBSJ, ZBTJ, ZBYN, ZGGG, ZSHC, ZSPD, ZSSS, ZWSH, ZWWW,

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		ZYTL, ZYTX
SACI32	ZBBB	ZGKL, ZGNN, ZGOW, ZGSZ, ZLXY, ZMUB, ZPPP, ZSAM, ZSFZ, ZSQD, ZUUU, ZSNB
SACI41	ZBBB	ZBHH, ZGHA, ZHCC, ZHHH, ZJHK, ZJSY, ZLLL, ZSNJ, ZSOF, ZUCK, ZYCC, ZYHB
SACI44	ZSJN	ZSJN
WCCI31	RCTP	RCAA
WCCI33	ZBAA	ZBPE
WCCI34	ZSSS	ZSHA
WCCI35	ZGGG	ZGZU
WCCI35	ZJHK	ZJSA
WSCI31	RCTP	RCAA
WSCI33	ZBAA	ZBPE
WSCI34	ZSSS	ZSHA
WSCI35	ZGGG	ZGZU
WSCI35	ZJHK	ZJSA
WSCI36	ZPPP	ZPKM
WSCI37	ZLLL	ZLHW
WSCI37	ZLXY	ZLHW
WSCI38	ZLXY	ZYSH
WSCI39	ZWWW	ZWUQ
WSCI45	ZHHH	ZHWH
WVCI31	RCTP	RCAA
WVCI33	ZBAA	ZBPE
WVCI34	ZSSS	ZSHA
WVCI35	ZGGG	ZGZU
WVCI35	ZJHK	ZJSA
WVCI36	ZPPP	ZPKM
WVCI37	ZLLL	ZLHW
WVCI37	ZLXY	ZLHW
WVCI38	ZYTX	ZYSH
WVCI39	ZWWW	ZWUQ
WVCI45	ZHHH	ZHWH

DEM. PEOPLE's REP. OF KOREA

TTAAii	CCCC	STATIONS or FIR
FTKR31	ZKPY	ZKPY
WSKR31	ZKPY	ZKKP

FIJI

TTAAii	CCCC	STATIONS or FIR
FTKB31	NFFN	NGTA
FTPS31	NFFN	NCRG, NFFN, NFNA, NFTF, NFTV, NGTA, NIUE, NLWW, NSFA, NTAA, NVSS, NVVV, PLCH
SAFJ31	NFFN	NFFN, NFNA
SAPS31	NFFN	NCRG, NFFN, NGFU, NIUE, NSFA, NSTU, NTAA, PLCH
SAPS32	NFFN	NFTF, NLWW, NSFA
FKPS01	NFFN	
WCFJ01	NNNF	NFFF
WVFJ01	NFFN	NFFF
WSFJ01	NFFN	NFFF

FRENCH POLYNESIA

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ASIA/PAC ICD OPMET Data Bank Access Producers   *E–10*

TTAAii	CCCC	STATIONS or FIR
FTPF21	NTAA	NTAA
WSPF21	NTAA	NTTT
WVPF20	NTAA	NTTF

HAWAII (U.S)

TTAAii	CCCC	STATIONS or FIR
FTPA31	PHFO	NSTU, PHJH, PHJR, PHKO, PHLI, PHMK, PHNL, PHNY, PHOG, PHTO, PMDY
SAHW31	PHNL	PHJR, PHNL PHTO
WCPA01	PHFO	KZOA
WSPA01	PHFO	KZOA
WVPA01	PHFO	KZOA

HONG KONG (CHINA.)

TTAAii	CCCC	STATIONS or FIR
FTHK31	VHHH	RCKH, RCSS, RCTP, RPLB, RPLI, RPLL, RPMD, RPMZ, RPVM, VHHH, VMMC
SAHK31	VHHH	RCKH, RCSS, RCTP, RPLB, RPLI, RPLL, RPMZ, RPVM, VHHH, VMMC, RPMD
WCSS20	VHHH	VHHK
WSSS20	VHHH	VHHK
WVSS01	VHHH	VHHK

INDIA

TTAAii	CCCC	STATIONS or FIR
FCIN31	VABB	VAAH, VABB, VECC, VIDP, VOCI
FTIN31	VABB	VAAH, VABB, VANP, VECC, VEPT, VIAR, VIBN, VIDP, VIJP, VILK
FTIN31	VIDP	VIAR, VIBN, VIDP, VIJP, VILK
FTIN32	VABB	VCBI, VNKT, VOCI, VOCL, VOHS, VOMM, VOTR, VOTV, VRMM
FTIN90	VAAH	VAAH, VABO, VARK
FTIN90	VIDP	VAUD, VIAR, VIBN, VIDP, VIJP, VILK
FKIN20	VIDP	
FKIN21	VIDP	
SAIN31	VABB	VAAH, VABB, VANP, VOHS, VOMM,VOTR,VOTV, VOHY
SAIN32	VIDP	VIAR, VIBN, VIDP, VIJP, VILK
SAIN33	VECC	VECC,VEPT, VGEG, VGZR,VNKT
SAIN90	VECC	VECC
SAIN90	VIDP	VIDP
WCIN31	VECC	VECF
WCIN31	VOMM	VOMF
WCIN31	VIDF	VIDF
WCIN31	VABB	VABF
WSIN31	VOMM	VOMF
WSIN90	VABB	VABF
WVIN31	VOMM	VOMF

INDONESIA

TTAAii	CCCC	STATIONS or FIR
FCID31	WAAA	WAAA, WAMG, WAMH, WAMI, WAMN, WAMT, WAMW, WAPD, WAPH, WAPI, WAPL
FTID31	WAAA	WAAA
FTID31	WIII	WIII
SAID31	WIII	WAAA, WABB, WADD, WARR, WIDD, WIHH, WIII, WIMM

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ASIA/PAC ICD OPMET Data Bank Access Producers   *E–11*

SAID32	WIII	WADA, WALL, WAMM, WAOO, WIBB, WIOO, WIPP, WIPT
SAID33	WIII	WAPP, WARS, WATT
WSID20	WIII	WIIZ

JAPAN

TTAAii	CCCC	STATIONS or FIR
FTJP31	RJTD	RJAA, RJBB, RJTT, RJOO, ROAH, RJCH, RJSS
FTJP32	RJTD	RJFF, RJGG, RJCC, RJFK, RJSN, RJFU, RJFT, RJOA, RJOB, RJOT, RJFO, RJNT, RJNK
FTJP33	RJTD	RJBB, RJOO, RJFF, RJFK, RJFU, RJFR
FTJP35	RJTD	RJAA, RJBB, RJTT, RJOO, RJGG, RJSN, RJCH, RJSA, RJSF, RJEC
FTJP36	RJTD	ROAH, RJCC, RJFK
FTJP37	RJTD	RJAA, RJBB, RJTT, RJOO, RJFF, RJGG
FTJP38	RJTD	RJSN, RJSA, RJSF, RJSK, RJOM, RJEC, RJAH, RJCB, RJCK, RJCM, RJFM, RJFR, RJOC, RJOH, RJOK, ROIG
SAJP31	RJTD	RJAA, RJBB, RJTT, RJOO, ROAH, RJGG
SAJP32	RJTD	RJFF, RJCC, RJFK, RJSN, RJFT, RJFU, RJCH, RJSS, RJOA, RJOB, RJOT, RJFO
SAJP35	RJTD	RJAA, RJBB, RJTT, RJOO, RJGG, RJSN, RJCH, RJSA, RJSF
SAJP37	RJTD	RJAA, RJBB, RJTT, RJOO, ROAH, RJFF, RJGG, RJCC, RJFK, RJSN
SAJP38	RJTD	RJCK, RJCM, RJCB, RJOC, RJOH, RJOK, RJFM, ROIG, RJNK, RJNS, RJNT, RJSA, RJSF, RJOM, RJEC, RJSK, RJAH, RJFR
FKPQ30	RJTD	
FKPQ31	RJTD	
FKPQ32	RJTD	
FKPQ33	RJTD	
FKPQ34	RJTD	
FKPQ35	RJTD	
FVFE01	RJTD	
UAFE31	RJTD	
UAFE41	RJTD	
UAFE51	RJTD	
WCJP31	RJTD	RJJJ
WSJP31	RJTD	RJJJ
WVJP31	RJTD	RJJJ

KOREA, REPUBLIC OF

TTAAii	CCCC	STATIONS or FIR
FTKO31	RKSI	RKJB, RKNY, RKPC, RKPK, RKSI, RKSS, RKTN, RKTU
FTKO31	RKSL	RKJB, RKNY, RKPC, RKPK, RKSI, RKSS, RKTN, RKTU
SAKO31	RKSI	RKJB, RKNY, RKPC, RKPK, RKSI, RKSS, RKTN, RKTU
SAKO31	RKSL	RKJB, RKNY, RKPC, RKPK, RKSI, RKSS, RKTN, RKTU
SAKO41	RKSL	RKJM, RKJY, RKPU
WCKO31	RKSI	RKRR
WSKO31	RKSI	RKRR
WVKO31	RKSI	RKRR

MALAYSIA

TTAAii	CCCC	STATIONS or FIR
FTMS32	WMKK	WBGG, WBKK
FTMS40	WMKK	WBGB, WBGS, WBKL, WBKS, WBKW, WMKL, WMKM
FTMS41	WMKK	WMAP, WMBT, WMKA, WMKC, WMKE, WMKI, WMKN, WMPA,
FTMS42	WMKK	WMKB
SAMS31	WMKK	WBGG, WBKK, WBSB, WMKK, WMKP, WSSL, WSSS

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ASIA/PAC ICD OPMET Data Bank Access Producers   *E–12*

SAMS32	WMKK	WBGG , WBKK, WMKJ, WMKK, WMKP, WMSA
SAMS38	WMKK	WBGB, WBGR, WBGS, WBKL, WBKS, WBKW, WMKD, WMKL, WMKM
WCMS31	WMKK	WBFC, WMFC
WSMS31	WMKK	WBFC, WMFC
WVMS31	WMKK	WBFC
WVMS31	WMKK	WMFC

MALDIVES

TTAAii	CCCC	STATIONS or FIR
FTMV31	VRMM	VRMMW
SMV31	VRMM	VRMF

MARIANA Is. (U.S.)

TTAAii	CCCC	STATIONS or FIR
FTPQ31	PGUM	PGRO, PGSN, PGUM, PGWT, PKMJ, PKWA, PTKK, PTPN, PTRO, PTSA, PTYA
SAGM31	PGUM	PGUM

MONGOLIA

TTAAii	CCCC	STATIONS or FIR
FCMO31	ZMUB	ZMUB
FTMO31	ZMUB	ZMUB
SAMO31	ZMUB	ZMUB
WSMO31	ZMUB	ZMUB

MYANMAR

TTAAii	CCCC	STATIONS or FIR
FTBM31	VYMD	VYMD
SABM31	VYMD	VYMD

NEPAL

TTAAii	CCCC	STATIONS or FIR
FTNP31	VNKT	VNKT
SANP31	VNKT	VNKT

NEW ZEALAND

TTAAii	CCCC	STATIONS or FIR
FTNZ31	NZKL	NZAA, NZCH, NZWN
SANZ31	NZKL	NZAA, NZCH, NZWN
WCPS21	NZKL	NZZO
WSNZ21	NZKL	NZZC
WSPS21	NZKL	NZZO
WVNZ21	NZKL	NZZC
WVPS21	NZKL	NZZO

PAKISTAN

TTAAii	CCCC	STATIONS or FIR
FTPK31	OPKC	OPGD, OPKC, OPLA, OPNH, OPPS, OPRN, OPSK
FTPK31	OPPS	OPPS

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ASIA/PAC ICD OPMET Data Bank Access Producers   *E–13*

FTPK31	OPRN	OPRN
SAPK31	OPKC	OPGD, OPKC, OPLA, OPNH, OPPS, OPRN, OPSKSAPK31 OPPS
	OPPS	
SAPK31	OPSK	OPSK
SAPK31	OPLA	OPLA
WSPK31	OPPS	OPPS

PHILIPPINES

TTAAii	CCCC	STATIONS or FIR
SAPH31	RPLC	RPLC
WCPH31	RPLL	RPHI
WSPH31	RPLL	RPHI
WVPH31	RPLL	RPHI

SAMOA

TTAAii	CCCC	STATIONS or FIR
SAZM31	NSFA	NSFA

AMERICAN SAMOA

TTAAii	CCCC	STATIONS or FIR
SAZS31	NSTU	NSTU

SINGAPORE

TTAAii	CCCC	STATIONS or FIR
FTSR31	WSSS	WAAA, WABB, WADD, WARR, WIHH, WIII, WIMM, WSAP, WSSL, WSSS
FTSR32	WSSS	WMKJ, WMKK, WMKL, WMKM, WMKP, WMSA
FTSR33	WSSS	WBGB, WBGG, WBGR, WBGS, WBKK, WBKL, WBKS, WBKW, WBSB
SASR31	WSAP	WSAP
SASR31	WSSS	WSSS
WCSR20	WSSS	WSJC
WSSR20	WSSS	WSJC
WVSR20	WSSS	WSJC

SRI LANKA

TTAAii	CCCC	STATIONS or FIR
SASB31	VCCC	VCBI, VRMM

THAILAND

TTAAii	CCCC	STATIONS or FIR
FCTH31	VTBB	VTUU
FTAE31	VTBB	VTBD, VTBS, VTBU, VTCC, VTSP, VTSS, VTCT, VTSG, VTUU
FTAE32	VTBB	VDPP, VDSR, VVDN, VVNB, VVTS, VYMD, VYYY, VVPB
FTAE33	VTBB	VLLB, VLLN, VLPS, VLSK, VLVT
FTTH20	VTBB	VTCC, VTCH, VTCL, VTCN, VTCP, VTCT, VTPB, VTPM, VTPO, VTPP, VTPT, VTUD, VTUI, VTUJ, VTUK, VTUL, VTUO, VTUQ, VTUU, VTUV, VTUW
FTTH31	VTBB	VTCH, VTCL, VTCN, VTCP, VTPB, VTPM, VTPO, VTPP, VTPT
FTTH32	VTBB	VTSB, VTSC, VTSE, VTSF, VTSH, VTSK, VTSM, VTSR, VTST
FTTH33	VTBB	VTUJ, VTUO, VTUQ, VTUV
SAAE31	VTBB	VDPP, VDSR, VLVT, VTBD, VTBS, VTBU, VTCC, VTSP, VTSS, VVDN, VVNB, VVTS, VYMD, VYYY, VVPB
SATH31	VTBB	VTCH, VTCL, VTCN, VTCP, VTCT, VTPH, VTPO, VTPP
SATH32	VTBB	VTSB, VTSC, VTSF, VTSG, VTSH, VTSM, VTSR, VTST

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ASIA/PAC ICD OPMET Data Bank Access Producers   *E–14*

SATH33	VTBB	VTBO, VTUD, VTUI, VTUK, VTUL, VTUO, VTUQ, VTUU, VTUV, VTUW
WCTH31	VTBS	VTBB
WSTH31	VTBS	VTBB
WVTH31	VTBS	VTBB

VIETNAM

TTAAii	CCCC	STATIONS or FIR
FTVS31	VVTS	VVTS
WCVS31	VVGL	VVNB
WSVS31	VVGL	VVNB, VVTS
WVVS31	VVGL	VVNB, VVTS

OTHERS REGION

EASTERN AND SOUTHERN AFRICAN REGION
WESTERN AND CENTRAL AFRICAN REGION

COTE D'IVOIRE

TTAAii	CCCC	STATIONS or FIR
SAIV20	DIAP	DIAP

KENYA

TTAAii	CCCC	STATIONS or FIR
SAEA20	HKNC	HKEL, HKJK, HKKI, HKLU, HKMO, HKMU, HKNO, HKNW

MOZAMBIQURE

TTAAii	CCCC	STATIONS or FIR
FCMZ31	FQMA	FQBR, FQCH, FQIN, FQLC, FQMA, FQNP, FQPB, FQQL, FQTT, FQVL
FTMZ31	FQMA	FQBR, FQCH, FQIN, FQLC, FQMA, FQNP, FQPB, FQQL, FQTT, FQVL

NAMIBIA

TTAAii	CCCC	STATIONS or FIR
FTNM40	FYWW	FYWB, FYWH, FYKT

REUNION

TTAAii	CCCC	STATIONS or FIR
FKIO20	FMEE	

SEYCHELLES

TTAAii	CCCC	STATIONS or FIR
WSSC20	FSIA	FSSS

SOUTH AFRICA

TTAAii	CCCC	STATIONS or FIR
FTZA31	FAPR	FQBR, FQMA
FTZA45	FAPE	FAPE
SAZA31	FAPR	FABL, FACT, FADN, FAEL, FAGG, FAJS, FAKN, FALA, FAPE, FAPP,

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ASIA/PAC ICD OPMET Data Bank Access Producers   *E–15*

FAUP

TCHAD

TTAAii	CCCC	STATIONS or FIR
SACD20	FTTJ	FTTA, FTTD, FTTJ

ZAMBIA

TTAAii	CCCC	STATIONS or FIR
FTZB20	FLLS	FLLS

EUROPEAN AND NORTH ATLANTIC REGION

AUSTRIA

TTAAii	CCCC	STATIONS or FIR
FTOS31	LOWM	LOWG, LOWL, LOWW
FTOS32	LOWM	LOWI, LOWK, LOWS
WSOS31	LOWW	LOVV

BELARUS

TTAAii	CCCC	STATIONS or FIR
WSBY31	UMMS	UMMV

BELGIUM

TTAAii	CCCC	STATIONS or FIR
FCBX31	EBBR	EBAW, EBCI
FTBX31	EBBR	EBBR, EBLG, EBOS, ELLX
SABX31	EBBR	EBAW, EBBR, EBCI, EBLG, EBOS, ELLX

CROATIA

TTAAii	CCCC	STATIONS or FIR
WSQB31	LDZM	LQSB
WSRH31	LDZM	LDZO

CYPRUS

TTAAii	CCCC	STATIONS or FIR
FTCY31	LCLK	LCLK, LCPH
SACY31	LCLK	LCLK, LCPH
SACY31	LCPH	LCPH

CZECH REPUBLIC

TTAAii	CCCC	STATIONS or FIR
FTCZ31	LKPW	LKKV, LKMT, LKPR, LKTB
WSCZ31	LKPW	LKAA

ASIA/PAC ICD OPMET Data Bank Access Producers   *E–16*

DENMARK

TTAAii	CCCC	STATIONS or FIR
FCDN31	EKCH	EKEB, EKRK
FTDN31	EKCH	EKAH, EKBI, EKCH, EKYT
SADN31	EKCH	EKAH, EKBI, EKCH, EKEB, EKRK, EKRN, EKYT
WSDN31	EKCH	EKDK

ESTONIA

TTAAii	CCCC	STATIONS or FIR
WSEO31	EETN	EETT

IRELAND

TTAAii	CCCC	STATIONS or FIR
WSIE31	EIDB	EISN

ITALY

TTAAii	CCCC	STATIONS or FIR
FCIY31	LIIB	LIEA, LIEE, LIEO
FCIY32	LIIB	LIPB, LIPO, LIPQ
FTIY31	LIIB	LIMC, LIME, LIMF, LIMJ, LIML, LIRF, LIRN, LIRP
FTIY31	LIML	LIME, LIMF, LIMJ, LIML
FTIY31	LIRF	LIRF
FTIY32	LIIB	LICC, LICJ, LIPE, LIPZ
SAIY31	LIIB	LIEA, LIEO
SAIY32	LIIB	LIBD, LIBR, LICC, LICJ, LIPB, LIPE, LIPH, LIPK, LIPQ, LIPR, LIPX, LIPZ
SAIY40	LIIB	LIMG, LIMK, LIMN, LIMP, LIMS, LIMZ, LIPA, LIPB, LIPC, LIPF, LIPH, LIPI, LIPL, LIPO, LIPQ, LIPR, LIPS, LIPX, LIPY, LIVC, LIVP
SAIY41	LIIB	LIMH, LIMT, LIMU, LIMV, LIMY, LIVD, LIVE, LIVF, LIVM, LIVO, LIVR, LIVT
SAIY42	LIIB	LIBF, LIEA, LIED, LIEO, LIMA, LIQN, LIQO, LIQW, LIRE, LIRG, LIRH, LIRI, LIRK, LIRL, LIRM, LIRS, LIRT, LIRU, LIRV, LIRX, LIRZ
SAIY43	LIIB	LIBA, LIBC, LIBD, LIBG, LIBN, LIBP, LIBQ, LIBR, LIBV, LICA, LICC, LICD, LICG, LICJ, LICR, LICT, LICZ
WVIY31	LIIB	LIRR
WVIY31	LIMM	LIRR
WSIY31	LIIB	LIMM
WSIY32	LIIB	LIRR

KYRGYATAN

TTAAii	CCCC	STATIONS or FIR
WSRA41	UAFM	UAFM

LATVIA

TTAAii	CCCC	STATIONS or FIR
WSLV31	EVRA	EVRR

MOROCCO

TTAAii	CCCC	STATIONS or FIR
WSMC31	GMMC	GMMM

SWITZERLAND

TTAAii	CCCC	STATIONS or FIR

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ASIA/PAC ICD OPMET Data Bank Access Producers   *E–17*

FCSW31	LSSW	LSGC, LSGS, LSZA, LSZB, LSZG, LSZR, LSZS
FTSW31	LSSW	LSGG, LSZH
SASW31	LSSW	LSGG, LSZA, LSZB, LSZH

UNITED KINGDOM

TTAAii	CCCC	STATIONS or FIR
FCUK31	EGGY	EGHH, EGHI, EGKA, EGKB, EGLF, EGMC
FTUK31	EGGY	EGAA, EGCC, EGKK, EGLL, EGSS
FTUK32	EGGY	EGGP, EGNT, EGNX
FTUK35	EGGY	EGAA, EGPD, EGPF, EGPH, EGPK
SAUK31	EGGY	EGKK, EGLL, EGPF, EGPH, EGPK, EGSS
WSUK31	EGRR	EGTT
WSUK33	EGRR	EGPX

FINLAND

TTAAii	CCCC	STATIONS or FIR
FTFI31	EFHK	EFHK, EFJY, EFKU, EFOU, EFRO, EFTP, EFTU, EFVA
WSFI31	EFHK	EFIN

FORMER YUGOSLAV REPUBLIC OF MACEDONIA

TTAAii	CCCC	STATIONS or FIR
WSMJ31	LWSK	LWSK, LWSS

FRANCE

TTAAii	CCCC	STATIONS or FIR
FCFR32	LFPW	LFOT
FTFR31	LFPW	LFLL, LFMN, LFPG, LFPO
FTFR32	LFPW	LFQQ, LFRB, LFRS
SAFR31	LFPW	LFLL
SAFR32	LFPW	LFML
WSFR31	LFPW	LFFF
WSFR32	LFPW	LFBB
WSFR33	LFPW	LFEE
WSFR34	LFPW	LFMM
WSFR35	LFPW	LFRR

GERMANY

TTAAii	CCCC	STATIONS or FIR
FTDL31	EDZO	EDDF, EDDH, EDDK, EDDM, EDDL
FTDL32	EDZO	EDDB, EDDC, EDDG, EDDN, EDDP, EDDS, EDDT, EDDV, EDDW
FTDL33	EDZO	EDDR, EDFH
SADL31	EDZO	EDDF, EDDH, EDDK, EDDL, EDDM, EDDN, EDDS
WSDL31	EDZM	EDMM
WSDL32	EDZF	EDUU

GREECE

TTAAii	CCCC	STATIONS or FIR
FCGR31	LGAT	LGAD, LGKF, LGKL
FTGR31	LGAT	LGAV, LGEL, LGKR, LGTS
SAGR31	LGAT	LGAD, LGAV, LGIR, LGKL, LGKO, LGKR, LGLM, LGRP, LGSA, LGSM, LGTS
WSGR31	LGAT	LGGG

HUNGARY

TTAAii	CCCC	STATIONS or FIR

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ASIA/PAC ICD OPMET Data Bank Access Producers   *E–18*

FTHU31	LHBM	LHBP
SAHU31	LHBM	LHBP
WSHU31	LHBM	LHCC

ICELAND

TTAAii	CCCC	STATIONS or FIR
WSIL31	BICC	BIRD

ISRAEL

TTAAii	CCCC	STATIONS or FIR
WSIS31	LLBG	LLLL

MALTA

TTAAii	CCCC	STATIONS or FIR
WSMP31	LMMM	LMMM

NETHERLANDS. KINGDOM OF THE

TTAAii	CCCC	STATIONS or FIR
FCNL31	EHDB	EHEH
FTNL31	EHDB	EHAM, EHBK, EHGG, EHRD
SANL31	EHDB	EHAM, EHBK, EHGG, EHRD

NORWAY

TTAAii	CCCC	STATIONS or FIR
WSNO31	ENMI	ENOS
WSNO34	ENMI	ENBD
WSNO35	ENMI	ENBD
WSNO36	ENMI	ENOB

POLAND

TTAAii	CCCC	STATIONS or FIR
FTPL31	**EPWA**	**EPGD, EPKK, EPPO, EPRZ, EPWA**

PORTUGAL

TTAAii	CCCC	STATIONS or FIR
WSAZ31	LPMG	LPPO
WSPO31	LPMG	LPPC

RUSSIAN FEDERATION

TTAAii	CCCC	STATIONS or FIR
FCKZ31	RUMS	UARR, UATE, UATG, UAUU,
FCRA31	RUMS	UESO, UHNN, UNWW
FCRA32	RUMS	ULDD, UOII, USCM, USMU, USRK
FCRS31	RUMS	ULKK, ULOO, ULWW, UUBP, UUOB, UUOK
FCRS32	RUMS	URML, URMN, URMT, URWA, URWI
FCRS33	RUMS	UUOO, UUYH, UUYS
FCTA31	RUMS	UTDD,UTDL
FCTR31	RUMS	UTAA, UTAK, UTAM, UTAT, UTAV
FTAY31	RUMS	UDSG, UDYZ
FTKY31	RUMS	UAFM, UAFO
FTRA31	RUMS	UEEE, UEST
FTRA32	RUMS	UHHH,UHMM, UHMP, UHPP
FTRA33	RUMS	UIAA, UIBB, UIII, UIUU
FTRA34	RUMS	UNAA, UNBB, UNKL, UNNT

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ASIA/PAC ICD OPMET Data Bank Access Producers   *E–19*

FTRA35	RUMS	UHSS, UHWW, UOHH, UOOO
FTRA36	RUMS	USCC, USDD, USNN, UWUU
FTRA37	RUMS	USHH, USRR, USSS, USTR
FTRS31	RUMS	ULAA, ULLI, ULMM, UWGG
FTRS33	RUMS	UUDD, UUEE, UUWW
FTRS35	RUMS	UUYY, UWLW, UWOO, UWWW
FTTA31	RUMS	UTDD
SAAY31	RUMS	UDSG, UDYZ
SAKY31	RUMS	UAFM
SAKZ31	RUMS	UAAA, UAKK, UAOO, UARR, UATE, UAUU
SARA34	RUMS	UNAA, UNBB, UNEE, UNKL, UNNT, UNOO, UNWW, USTR
SARA36	RUMS	USCC, USMU, USRR, UWUU
SARS31	RUMS	ULMM
SARS35	RUMS	USPP, UWKD, UWKE, UWLL, UWLW, UWOO, UWOR, UWPP, UWSS, UWWW
SATA31	RUMS	UTDD
WSRA31	RUPK	UHPP
WSRA31	RUEK	USSK, USSS
WSRA31	RUHB	UHHH
WSRA31	RUIR	UIII
WSRA31	RUKR	UNKL
WSRA31	RUNW	UNNT
WSRA31	RUOM	UNOO
WSRA31	RUSH	UHSS
WSRA31	RUUF	USSS, UWOO, UWUU, UWWW
WSRA31	RUVV	UHWW
WSRA31	RUYK	UEEE
WSRA32	RUAM	USDK
WSRA32	RUEK	USPP
WSRA32	RUKR	UOOO
WSRA32	RUOM	USTT
WSRA32	RUYK	UELL
WSRA33	RUHB	UHBB
WSRA33	RUNW	UNBB
WSRA33	RUOM	USHH
WSRA33	RUYK	UERR
WSRA37	RUYK	UESU
WSRA39	RUYK	UEVV
WSRS31	RUAA	ULAA
WSRS31	RUNN	USKK, USSK
WSRS31	RURD	URRV
WSRS31	RUSM	UWWW
WSRS31	RUSP	ULLL
WSRS32	RUAA	UUYY
WSRS32	RUSM	UWOO
WSRS32	RUSP	ULOL
WSRS33	RUAA	ULKK
WSRS33	RUSM	UWPP
WSRS37	RUAA	ULAM
WSTR31	RUMS	UTAA
WVRA33	RUHB	UHBB
WVRA33	RUEK	USCC
WVRA31	RUEK	USSS
WVRA31	RUOM	UNOO
WVRA31	RUCH	UIAA

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ASIA/PAC ICD OPMET Data Bank Access Producers   *E–20*

WVRA31	RUIR	UIII
WVRA31	RUHB	UHHH
WVRA31	RUMG	UHMM
WVRA31	RUPK	UHPP
WVRA31	RUVV	UHWW
WVRA31	RUSH	UHSS
WVRA32	RUHB	UHNN
WVRA32	RUSH	UHSH
WVRA32	RUYK	UESO
WVRA32	RUIR	UIKK
WVRA34	RUEK	USUU
WVRA38	RUYK	UEST
WVRS31	RUAA	ULAA, URRV
WVRS31	RUMU	ULMM
WVRS31	RUNN	USKK
WVRS31	RURD	URRV
WVRS31	RUSM	UWPP, UWWW
WVRS31	RUSP	ULLL
WVRS32	RUAA	UUYY
WVRS32	RUSM	UWOO, UWPP
WVRS32	RUSP	ULOL
WVRS33	RUAA	ULKK, UWPP
WVRS33	RUSM	UWPP
WVRS34	RUAA	ULWW
WVRS36	RUAA	UUYW

SLOVAKIA

TTAAii	CCCC	STATIONS or FIR
FTSQ31	LZIB	LZIB
WSSQ31	LZIB	LZBB

SLOVENIA

TTAAii	CCCC	STATIONS or FIR
WSLJ31	LJLJ	LJLA

SPAIN

TTAAii	CCCC	STATIONS or FIR
WSEW31	LEMM	LECM
WSEW32	LEMM	LECB

SWEDEN

TTAAii	CCCC	STATIONS or FIR
FCSN31	ESWI	ESDF, ESGJ, ESGP, ESMK, ESMX, ESOK, ESOW, ESPA, ESSB, ESSD, ESSP, ESSV
FTSN31	ESWI	ESGG, ESKN, ESMS, ESSASASN31 ESWI ESGG, ESGJ, ESGP, ESMK, ESMS, ESMX
WSSN31	ESWI	ESAA

TURKEY

TTAAii	CCCC	STATIONS or FIR
FCTU34	LTAA	LTAR, LTAS, LTAW, LTBO, LTCL, LTCM, LTCN, LTCO, LTCP, LTCR

UKRAINE

TTAAii	CCCC	STATIONS or FIR

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ASIA/PAC ICD OPMET Data Bank Access Producers   *E–21*

WSUR31	UKBV	UKBV
WSUR34	UKFF	UKFV

UZBEKISTAN

TTAAii	CCCC	STATIONS or FIR
FTRA10	TKUR	UTNU
SARA10	TKUR	UTNU

MIDDLE EAST REGION

BAHARAIN

TTAAii	CCCC	STATIONS or FIR
FTBN31	OBBI	OBBI, OEDF, OEDR, OKBK, OTBD
FTBN32	OBBI	OMAA, OMAL, OMDB, OMFJ, OMRK, OMSJ, OOMS, OOSA, OMAD, OMDW
SABN31	OBBI	OBBI, OEDF, OEDR, OKBK, OTBD
SABN32	OBBI	OMAA, OMAL, OMDB, OMFJ, OMRK, OMSJ, OOMS, OOSA, OMAD, OMDW

EGYPT

TTAAii	CCCC	STATIONS or FIR
FCEG31	HECA	HEAX, HEBA, HECA, HEGN, HELX, HEMA, HESH, HETB
FTEG32	HECA	HEAR, HEBA, HEGN, HEMM, HEPS, HESC, HESH
SAEG31	HECA	HECA
SAEG32	HECA	HEAX, HEBA, HEBL, HEGN, HELX, HEMA, HEMM, HEPS, HESC, HESH, HESN, HETB

IRAN. ISLAMIC REP. OF

TTAAii	CCCC	STATIONS or FIR
FTIR31	OIII	OIAW OIFM, OIIE, OIII, OIKB, OIKK, OIMM, OISS, OITT, OIZH
FTIR32	OIII	OIBK, OIIE, OITR
FTIR33	OIII	OIZC
SAIR31	OIII	OIAW, OIFM, OIII, OIKB, OIKK, OIMM, OISS, OITT, OIZH
SAIR32	OIII	OAKB, OIAA, OIBK, OICC, OIGG, OIIE, OITR, OIYY
SAIR33	OIII	OIBB, OIBL, OIBP, OICK, OICS, OIHH, OINZ, OITL, OIZC
SAIR34	OIII	OIAG, OIAM, OICI, OIKQ, OINN, OINR, OISL, OISY, OITZ
SAIR35	OIII	OIAD, OIBJ, OIBS, OIKM, OIKR, OING, OIZB, OIZI
SAIR36	OIII	OIBA, OIBV, OIFS, OIIP, OIMB, OIMN, OIMS, OIMT, OIZJ
SAIR37	OIII	OIBQ, OIIK, OIMC, OIMD, OIMQ, OITM, OIBL, OITK

LEBANON

TTAAii	CCCC	STATIONS or FIR
FTME31	OLBA	OJAI, OJAM, OJAQ, OLBA, OSAP, OSDI, OSLK
SAME31	OLBA	OJAI, OJAM, OJAQ, OLBA, OSAP, OSDI, OSLK
WSLB31	OLBA	OLBA

SAUDI ARABIA

TTAAii	CCCC	STATIONS or FIR
FTME31	OEJD	OJAI, OJAM, OJAQ, OLBA, OSAP, OSDI, OSLK
FTSD31	OEJD	OEDF, OEDR, OEJN, OEMA, OERK, OYSN

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ASIA/PAC ICD OPMET Data Bank Access Producers   *E–22*

FTSD32	OEJD	OETF
FTSD40	OEJD	OEAH, OEDM, OEGT, OEHL, OEJB, OEKJ, OEKK, OEPA, OERF, OERR, OERY, OESK, OETB, OETR
SASD31	OEJD	OEDF, OEDR, OEJN, OEMA, OERK, OERY, OYSN
SASD32	OEJD	OETF

SUDAN

TTAAii	CCCC	STATIONS or FIR
FCSU31	HSSS	HSKA, HSOB, HSPN, HSSJ, HSSM, HSSS

YEMEN

TTAAii	CCCC	STATIONS or FIR
SAYE20	OYSC	OYDM
SAYE20	OYSN	OYDM

NORTH AMERICAN.CENTRAL AMERICAN AND CARIBBEAN REGION

ARGENTINA

TTAAii	CCCC	STATIONS or FIR
WVAG31	SAVC	SAVF

BAHAMAS

TTAAii	CCCC	STATIONS or FIR
FTBA31	MYNN	MBGT, MBPV, MYNN
SABA31	MYNN	MYNN

BRAZIL

TTAAii	CCCC	STATIONS or FIR
FTBZ18	SBGR	SBCF, SBGR, SBKP, SBRP, SBSP
FTBZ20	SBEG	SBBE, SBBV, SBCJ, SBCZ, SBEG, SBMA, SBMQ, SBOI, SBPV, SBRB, SBSL, SBSN, SBTF, SBTT
FTBZ21	SBRF	SBAR, SBFN, SBFZ, SBJP, SBMO, SBNT, SBRF, SBSV, SBTE
FTBZ22	SBBR	SBBR, SBCY
FTBZ23	SBGL	SBGL, SBRJ, SBSJ
FTBZ24	SBPA	SBBG, SBCG, SBCR, SBCT, SBFI, SBFL, SBLO, SBNF, SBPA, SBPK, SBPP, SBUG
SABZ01	SBBR	SBBE, SBBR, SBBV, SBCF, SBCG, SBCR, SBCT, SBEG, SBFI, SBFL, SBFZ, SBGR, SBKP, SBLO, SBMQ, SBPA, SBPP, SBRB, SBSJ, SBSL, SBSN
SABZ18	SBGR	SBGR
SABZ18	SBKP	SBKP
SABZ18	SBSP	SBSP
SABZ20	SBBE	SBBE
SABZ20	SBBV	SBBV
SABZ20	SBEG	SBEG, SBRB, SBSN, SBBV, SBMQ, SBPV, SBSL
SABZ20	SBMA	SBMA
SABZ20	SBMQ	SBMQ, SBSN,
SABZ20	SBPV	SBPV
SABZ20	SBRB	SBRB
SABZ20	SBSL	SBSL
SABZ20	SBSN	SBSN
SABZ21	SBAR	SBAR
SABZ21	SBFZ	SBFZ

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ASIA/PAC ICD OPMET Data Bank Access Producers   *E–23*

SABZ21	SBMO	SBMO
SABZ21	SBNT	SBNT
SABZ21	SBRF	SBRF, SBAR, SBTE
SABZ21	SBSV	SBSV
SABZ21	SBTE	SBTE
SABZ22	SBBR	SBBR, SBRJ
SABZ22	SBCY	SBCY
SABZ23	SBCF	SBCF
SABZ23	SBGL	SBGL
SABZ23	SBRJ	SBRJ
SABZ24	SBCG	SBCG
SABZ24	SBCT	SBCT
SABZ24	SBFI	SBFI
SABZ24	SBFL	SBFL, SBPA
SABZ24	SBPA	SBPA
SABZ24	SBPK	SBPK
SABZ31	SBBR	SBAR, SBFN, SBFZ, SBIL, SBJP, SBKG, SBLP, SBMO, SBMS, SBNT, SBPB, SBPL, SBPS, SBQV, SBRF, SBSL, SBSV, SBTE, SBUF, SBVT

CANADA

TTAAii	CCCC	STATIONS or FIR
FTCN31	CWAO	CYVR
FTCN32	CWAO	CYYC
FTCN33	CWAO	CYTE
FTCN34	CWAO	CYYQ
FTCN35	CWAO	CYTR
FTCN36	CWAO	CYBG
FTCN37	CWAO	CYZX
FTCN38	CWAO	CYYR
SACN31	CWAO	CYAW, CYBG, CYEG, CYFB, CYFC, CYGL, CYHZ, CYJT, CYMX, CYOW, CYQB, CYQG, CYQM, CYQQ, CYQX, CYQY, CYTR, CYUL, CYVR, CYWG, CYXX, CYYC, CYYJ, CYYQ, CYYR, CYYT, CYYZ, CYZF, CYZV, CYZX
SACN42	CWAO	CYAZ, CYBL, CYBV, CYCP, CYCQ, CYDB, CYDC, CYEV, CYFO, CYHE, CYIV, CYKY, CYPR, CYQD, CYQZ, CYRV, CYUA, CYXC, CYXE, CYXQ, CYXS, CYZP, CYZT
SACN44	CWAO	CWRF, CWVD, CYBW, CYCY, CYED, CYEK, CYIO, CYLJ, CYLT, CYMJ, CYOD, CYPE, CYQV, CYSF, CYSM, CYTH, CYUB, CYUS, CYUX, CYVT, CYXH, CYZU
SACN45	CWAO	CYBB, CYCB, CYCO, CYCS, CYFS, CYGT, CYHI, CYHK, CYHY, CYJF, CYKD, CYLC, CYLK, CYOA, CYPC, CYRA, CYRT, CYSY, CYTE, CYUT, CYVM, CYWJ, CYXN, CYZS
SACN46	CWAO	CYBC, CYBN, CYEL, CYFR, CYGK, CYGQ, CYHM, CYKF, CYKL, CYKZ, CYLD, CYPL, CYQA, CYQK, CYRB, CYSB, CYSC, CYSN, CYVO, CYVQ, CYXL, CYXU, CYXZ, CYYB, CYYH, CYYU
SACN48	CWAO	CYAD, CYAH, CYAS, CYBX, CYGV, CYHA, CYIK, CYKG, CYKQ, CYLA, CYMH, CYMT, CYMU, CYNM, CYOY, CYPH, CYPX, CYQI, CYSK, CYSL, CYUY, CYWK, CYZG
WSCN02	CWUL	CZQX

CHILE

TTAAii	CCCC	STATIONS or FIR
FTCH10	SCSC	SCAR, SCAT, SCBA, SCCF, SCCI, SCDA, SCEL, SCFA, SCIE, SCIP, SCJO, SCNT, SCSE, SCTC, SCTE
FTCH12	SCSC	SCAR, SCCI, SCEL, SCFA, SCIE, SCTC, SCTEWSCH31, SCIP, SCIZ

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ASIA/PAC ICD OPMET Data Bank Access Producers   *E–24*

GUYANA

TTAAii	CCCC	STATIONS or FIR
WSCA31	SYCJ	SYCJ

HONDURAS

TTAAii	CCCC	STATIONS or FIR
WVHO31	MHTG	MHTG

JAMAICA

TTAAii	CCCC	STATIONS or FIR
FTJM31	MKJP	MKJP, MKJS
SAJM31	MKJP	MKJP

MEXICO

TTAAii	CCCC	STATIONS or FIR
FTMX31	MMMX	MMAA, MMMX, MMTM, MMVR
SAMX55	MMIO	MMIO

PANAMA

TTAAii	CCCC	STATIONS or FIR
FTPM31	MPTO	MPDA, MPHO, MPMG, MPTO

PERU

TTAAii	CCCC	STATIONS or FIR
WVPR31	SPIM	SPIM

TRINIDAD AND TOBAGO

TTAAii	CCCC	STATIONS or FIR
WCCA31	TTPP	TTZP
WSCA31	TTPP	TTZP

UNITED STATES OF AMERICA

TTAAii	CCCC	STATIONS or FIR
FCBX31	KWBC	EBAW, EBBE, EBBL, EBCI, EBCV, EBDT, EBFN, EBFS
FCCI32	KWBC	ZMUB
FCDL31	KWBC	EDAH, EDFM, EDHI, EDHL, EDLP, EDNY
FCDN31	KWBC	EKEB, EKKA, EKRK, EKSP
FCEM31	KWBC	LDZD, LJLJ, LJMB, LJPZ, LQSA, LZKZ, LZTT
FCEN31	KWBC	EETN, EFKE, EFKK, EFMA, EFPO, ENCN, ENHD, ENKR, ENTC, EYKA
FCFR32	KWBC	LFOT, LFPN, LFRC, LFRG, LFRK, LFRQ, LFRT, LFTW
FCGR31	KWBC	LGAD, LGAL, LGKF, LGKL, LGKV, LGLM, LGMT, LGSM, LGSR
FCGR41	KWBC	LGKP, LGMK, LGPZ, LGRX, LGSK, LGSR
FCID31	KWBC	WAAA
FCIO31	KWBC	FIMR, FMCZ
FCIY31	KWBC	LIBC, LIBD, LIBP, LIBR, LICA, LICG, LICT, LIEA, LIEE, LIEO
FCIY32	KWBC	LIPB, LIPK, LIPO, LIPQ, LIPY, LIRA, LIRQ
FCNL31	KWBC	EHEH, EHVK
FCNT31	KWBC	BGBW, BGGH, BGJN, BGKK
FCRO31	KWBC	LRBC, LRBM, LRCL, LRCV, LRIA, LROD, LRSB, LRSM, LRSV
FCRS32	KWBC	URKA, URKM, URMN, URMT, URSS, URWA, URWI
FCSN31	KWBC	ESDF, ESGJ, ESGP, ESMK, ESMX, ESNN, ESNO, ESNQ, ESNS, ESNU, ESOK, ESOW, ESPA, ESSB, ESSD, ESSP, ESSV
FCSW31	KWBC	LSGC, LSGS, LSZA, LSZB, LSZG, LSZR, LSZS

ASIA/PAC ICD OPMET Data Bank Access Producers   E–25

FCUK31	KWBC	EGHD, EGHH, EGHI, EGJB, EGJJ, EGKA, EGKB, EGLF, EGMC, EGMD, EGNH, EGNJ
FCUK42	KWBC	EGPC, EGPE, EGPL, EGPM, EGPN, EGPO, EGPU, EGSC, EGTC
FTAF35	KWBC	HDAM, HEAX, HEBA, HEBL, HECA, HEGN, HELX, HEMM, HEPS, HESC, HESN, HLLB, HLLT, HSPN, HSSJ, HSSS
FTAK31	KWBC	PABR, PAED, PAFA, PASC, PASI
FTAK32	KWBC	PABI, PADL, PAFB, PAGA, PASY
FTAS31	KWBC	VAAH, VABB, VANP, VCBI, VECC, VEPT, VGEG, VGZR, VIAR, VIBN, VIDP, VNKT, VOMM, VOTR, VOTV
FTAW32	KWBC	OEDF, OEDR, OEJN, OEMA, OERK, OIAW, OIFM, OIII, OIKB, OIKK, OIMM, OISS, OITR, OITT, OIZH, OKBK, OSAP, OSDI, OTBD
FTAW34	KWBC	OAKN, OPGD, OPKC, OPLA, OPNH, OPPS, OPRN, OPSK, UAAA, UACC, UATT, UTDD, UTSS, UTTT
FTBX31	KWBC	EBBR, EBLG, EBOS, ELLX
FTBZ31	KWBC	SBBE, SBBR, SBBV, SBCF, SBCG, SBEG, SBFI, SBFZ, SBGL, SBGR, SBKP, SBNT, SBPA, SBRF, SBSL, SBSN, SBSV, SBTT
FTCA32	KWBC	MDLR, MDPC, MDPP, MDSD, MDST, TAPA, TIST, TISX, TJBQ, TJMZ, TJPS, TJSJ, TKPK, TQPF, TUPJ
FTCA33	KWBC	TBPB, TFFF, TFFR, TGPY, TLPC, TLPL, TNCA, TNCB, TNCC, TNCM, TTCP, TTPP, TVSV
FTCA35	KWBC	MGPB, MGSJ, MHLC, MHLM, MHTG, MPTO, MRLB, MRLM, MROC, MRPV, MSLP, MSSS
FTCI32	KWBC	ZGNN, ZGSZ, ZMUB, ZPPP, ZSAM, ZUUU
FTDL31	KWBC	EDDF, EDDH, EDDK, EDDL, EDDM, EDDN
FTDL33	KWBC	EDDR
FTDN31	KWBC	EKAH, EKBI, EKCH, EKYT
FTEN31	KWBC	EFHK, EFJY, EFKU, EFOU, EFRO, EFTP, EFTU, EFVA, ENBO, ENBR, ENGM, ENSB, ENVA, ENZV, EVRA, EYVI
FTFR32	KWBC	LFML, LFMN, LFMP, LFMT, LFOB, LFOH, LFPB, LFPG, LFPO, LFQQ, LFRB, LFRS, LFRZ, LFSB, LFSN, LFST
FTGR31	KWBC	LGAV, LGEL, LGIR, LGKO, LGKR, LGRP, LGSA, LGTS
FTID31	KWBC	WAAA, WADD, WARR, WIII, WIMM
FTIO31	KWBC	FIMP, FJDG, FMCH, FMEE, FMMI, FMMT, FMNN, FSIA, VRMM, WBGG, WBKK, WBSB
FTIQ31	KWBC	KQAE, KQEZ, KQTO, KQTU, KQTX, KQTZ, KQXJ
FTIQ32	KWBC	KQAJ, KQAQ, KQCO, KQSL, KQTI
FTIY31	KWBC	LIMC, LIME, LIMF, LIMJ, LIML
FTIY32	KWBC	LIPE, LIPZ, LIRF, LIRN, LIRP
FTMX31	KWBC	MMAA, MMCZ, MMGL, MMMD, MMMX, MMMY, MMMZ, MMPR, MMTM, MMTP, MMUN, MMVR, MNMG
FTMX41	KWBC	MMAS, MMBT, MMCE, MMCL, MMCN, MMCS, MMCU, MMCV, MMDO, MMGL, MMGM, MMHO, MMLP, MMMA, MMML, MMMM, MMMT, MMNL, MMRX
FTMX42	KWBC	MMSD, MMSP, MMTC, MMTJ, MMTO, MMZC, MMZH, MMZO
FTNL31	KWBC	EHAM, EHBK, EHGG, EHRD
FTNT31	KWBC	BIAR, BIEG, BIKF, BIRK
FTPA31	KWBC	AGGH, AYPY, PGRO, PGSN, PGUM, PGWT, PHJH, PHJR, PHMK, PKMJ, PKWA, PLCH, PMDY, PTKK, PTRO, PTYA
FTPQ31	KWBC	PGRO, PGSN, PGUM, PGWT, PKMJ, PKWA, PTKK, PTPN, PTRO, PTSA, PTYA
FTRA31	KWBC	UEEE, UEST, UHMP, UHPP, UHSS, UHWW, UIAA, UIBB, UIII, UIUU, ULAA, UNAA, UNNT, USNN, UUEE
FTSA31	KWBC	SEGU, SEQU, SKBO, SKBQ, SKCG, SKCL, SKLT, SKRG, SKSP, SMNI, SMZO, SOCA, SPIM, SPQT, SPQU, SPSO, SPTN, SPZO, SVBC, SVMC,

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ASIA/PAC ICD OPMET Data Bank Access Producers   *E–26*

		SVMG, SVMI
FTSA32	KWBC	SCAR, SCCI, SCDA, SCEL, SCFA, SCIE, SCIP, SCTE, SGAS, SLCB, SLLP, SLTJ, SLTR, SLVR, SUAA, SUCA, SULS, SUMU, SURV, SUSO
FTSN31	KWBC	ESGG, ESKN, ESMS, ESSA
FTSW31	KWBC	LSGG, LSZH
FTUK31	KWBC	EGAA, EGBB, EGCC, EGFF, EGGD, EGGP, EGGW, EGKK,EGLL
FTUK42	KWBC	EGPF, EGSS
FTUS31	KWBC	KABQ, KATL, KBGR, KBHM, KBMG, KBNA, KBOS, KBWI, KCHS, KCLE, KCLT, KCVG, KDEN, KDFW, KDTW, KEWR, KFLL, KIAD, KIAH, KIND, KJAX, KJFK, KLAS, KLAX, KLGA, KLIT, KMCI, KMCO, KMEM, KMIA, KMSP, KMSY, KOAK, KOKC, KONT, KORD, KORF, KPBI, KPHF, KPHL, KPHX, KPIT, KRDU, KSAN, KSEA, KSFO, KSTL, KSWF, KTEB, KTPA
FTUS41	KWBC	KABE, KAGC, KALB, KART, KAVP, KBAF, KBDL, KBDR, KBTV, KBUF, KCAE, KCAK, KCMH, KCRW, KDAY, KERI, KGON, KGSO, KGSP, KHPN, KHTS, KHUL, KIAG, KILG, KILM, KINT, KLSV, KLUK, KMDT, KMSS, KORH, KPQI, KPVD, KPWM, KRIC, KROC, KSYR
FTUS42	KWBC	KAMA, KAUS, KBPT, KBRO, KBTR, KCHA, KCRP, KDAL, KDRT, KELP, KEYW, KFTW, KFTY, KFXE, KGLS, KGPT, KHOU, KHRL, KHSV, KLCH, KLRD, KMAF, KMFE, KMGM, KMOB, KOPF, KPDK, KPFN, KPIE, KPNS, KRSW, KSAT, KSAV, KSHV, KSSI, KTMB, KTUL, KTYS
FTUS43	KWBC	KAPN, KAZO, KBTM, KCOS, KCPR, KDET, KDLH, KDSM, KFAR, KFNT, KGFK, KGRB, KGRR, KICT, KINL, KISN, KLEX, KMBS, KMDW, KMKC, KMKE, KMLI, KMOT, KOMA, KPIA, KPUB, KSAW, KSDF, KSGF, KSUS, KTOL
FTUS44	KWBC	KBFI, KBIL, KBKE, KBLI, KBOI, KCLM, KCTB, KDUG, KFAT, KGEG, KGGW, KGTF, KHLN, KHQM, KHVR, KIPL, KLBB, KMSO, KOLM, KOLS, KPAE, KPDX, KPMD, KRNO, KSAC, KSCK, KSFF, KSJC, KSLC, KSMF, KTUS
SAAK31	KWBC	PABR, PACD, PAED, PAEI, PAEN, PAFA, PAJN, PAKN, PAKT, PANC, PAOM, PAOR, PAOT, PASC, PASI, PAVD, PAWG, PFYU
SAAK32	KWBC	PABA, PABI, PACZ, PADK, PADL, PADQ, PAEH, PAFB, PAGA, PAIM, PALU, PASV, PASY, PATC, PATL
SAAS31	KWBC	VAAH, VABB, VANP, VCBI, VIAR, VIBN, VIDP, VOHY, VOMM, VOTR, VOTV, VRMM, VTBS
SAAS33	KWBC	VDPP, VDSR, VLVT, VTBD, VTBU, VTCC, VTSP, VTSS, VVDN, VVNB, VVTS, WBGG, WBKK, WMKJ, WMKK, WMKP, WMSA, WSAP, WSSL, WSSS
SAAW32	KWBC	OEDF, OEDR, OEJN, OEMA, OERK, OIAA, OIAW, OIBB, OIBK, OICC, OICK, OICS, OIFM, OIGG, OIHH, OIII, OIKB, OIKK, OIMM, OINN, OINR, OINZ, OISS, OITL, OITR, OITT, OIYY, OIZH, OKBK, OSAP, OSDI, OSLK, OTBD
SAAW34	KWBC	OAKB, OAKN, OPKC, OPNH, UAAA, UACC, UACP, UADD, UAII, UAKK, UAOO, UARR, UASP, UATE, UATG, UATT, UAUU, UTDD, UTSS, UTTT
SABX31	KWBC	EBAW, EBBE, EBBL, EBBR, EBCI, EBCV, EBDT, EBFN, EBFS, EBLB, EBLG, EBOS, ELLX
SABZ31	KWBC	SBFZ, SBNT, SBPS, SBRF, SBSL, SBSV
SACA33	KWBC	TBPB, TDPD, TFFF, TFFR, TGPY, TLPC, TNCA, TNCB, TNCC, TNCE, TNCM, TTCP, TVSV
SACA42	KWBC	TIST, TISX, TJBQ, TJMZ, TJPS, TJSJ
SACI32	KWBC	ZGNN, ZGSZ, ZMUB, ZPPP, ZSAM, ZUUU
SADL31	KWBC	EDDF, EDDH, EDDK, EDDL, EDDM, EDDN, EDDS, EDDW, EDFE, EDFM, EDHI, EDHL
SADL32	KWBC	EDLN, EDLP, EDLW, EDMA, EDMO, EDQM, EDTD, EDVE
SADL33	KWBC	EDDB, EDDC, EDDG, EDDP, EDDR, EDDT, EDDV, EDDW
SADN31	KWBC	EKAH, EKBI, EKCH, EKEB, EKKA, EKOD, EKRK, EKRN, EKSB, EKSN, EKSP, EKVD, EKVG, EKVJ, EKYT

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SAEE31	KWBC	EPGD, EPKK, EPKT, EPPO, EPRZ, EPSC, EPWA, EYSA, UKBB, UKKK, UKLL, UKOO, UMII, UMMM, UMMS
SAEM31	KWBC	LATI, LDDU, LDOS, LDPL, LDRI, LDSP, LDZA, LDZD, LJLJ, LJMB, LJPZ, LKMT, LKPR, LKTB, LOAV, LOIH, LOWG, LOWI, LOWK, LOWL, LOWS, LOWW, LOWZ, LQSA, LWOH, LWSK, LYBE, LYNI, LYPG, LYTV, LZIB, LZKZ, LZTT
SAEN31	KWBC	EETN, EFHF, EFHK, EFIV, EFJY, EFKE, EFKK, EFKU, EFMA, EFOU, EFPO, EFRO, EFTP, EFTU, EFVA, ENBO, ENBR, ENCN, ENGM, ENHD, ENKR, ENSB, ENTC, ENVA, ENZV, EVRA, EYVI
SAFR31	KWBC	LFBD, LFBH, LFBI, LFBO, LFBP, LFBT, LFBZ, LFGJ, LFKB, LFKC, LFKJ, LFLB, LFLC, LFLL, LFLS, LFLY, LFMD, LFMH
SAFR32	KWBC	LFML, LFMN, LFMP, LFMT, LFOB, LFOH, LFOT, LFPB, LFPG, LFPN, LFPO, LFQQ, LFRB, LFRC, LFRD, LFRG, LFRK, LFRN, LFRO, LFRQ, LFRS, LFRT, LFRZ, LFSB, LFSF, LFSN, LFSR, LFST, LFTW, LFVP
SAFR41	KWBC	LFBA, LFBC, LFBL, LFBM, LFKF, LFLD, LFLV, LFOE, LFOP, LFPB, LFPG, LFPV, LFQB, LFQQ, LFRH, LFRM, LFSC, LFSD, LFSI, LFSO, LFSX, LFTH
SAGR31	KWBC	LGAD, LGAV, LGIR, LGKL, LGKO, LGKR, LGLM, LGRP, LGSA, LGSM, LGTS
SAGR41	KWBC	LGPZ, LGRX
SAHW31	KWBC	PHJR, PHKO, PHLI, PHNL, PHOG, PHTO
SAID31	KWBC	WAAA, WABB, WIII, WIMM
SAIO31	KWBC	FIMP, FIMR, FMCH, FMCZ, FMEE, FMMI, FMMT, FMNN, FSIA, VRMM, VYMD, VYYY, WBGG, WBKK, WBSB
SAIQ31	KWBC	KQAE, KQEZ, KQMH, KQTO, KQTU, KQTX, KQTZ, KQVO, KQXJ
SAIQ32	KWBC	KQAJ, KQAQ, KQCO, KQSL, KQTI
SAIY31	KWBC	LIBC, LIBD, LIBP, LIBR, LICA, LICC, LICG, LICJ, LICR, LICT, LIEA, LIEO, LIMG
SAIY32	KWBC	LIPB, LIPE, LIPH, LIPK, LIPQ, LIPR, LIPX, LIPZ
SAMX31	KWBC	MMAA, MMCZ, MMMD, MMMX, MMMY, MMMZ, MMTM, MMUN, MMVR
SAMX41	KWBC	MMAS, MMCL, MMCM, MMCN, MMCS, MMCU, MMCV, MMDO, MMGM, MMHO, MMLP, MMMA, MMML, MMMM, MMMT, MMNL, MMRX
SANL31	KWBC	EHAM, EHBK, EHDL, EHEH, EHGG, EHGR, EHLW, EHRD, EHVK, EHVL, EHWO
SANT31	KWBC	BGBW, BGCO, BGGH, BGJN, BGKK, BGSF, BGTL, BIAR, BIEG, BIKF, BIRK, GVAC, LPBJ, LPLA, TXKF
SAPA31	KWBC	AGGH, AYPY, PGRO, PGSN, PGUA, PGUM, PGWT, PHJH, PHJR, PHMK, PKMJ, PKMR, PKWA, PLCH, PMDY, PTKK, PTKR, PTPN, PTRO, PTSA, PTTP, PTYA, PWAK
SAPA41	KWBC	PGSN, PGUM, PKMJ, PKWA, PWAK
SAPH31	KWBC	RPLB, RPLC, RPLL, RPMD, RPMZ, RPVM
SARA31	KWBC	UAAA, UACC, UAFM, UAFO, UAOO, UARR, UATE, UATG, UATT, UBBB, UBBG, UEEE, UHHH, UHMA, UHMM, UHMP, UHPP, UHSS, UHWW, UIAA, UIBB, UIII, UIUU, ULAA, UMBB, UMGG, UMII, UMMM, UMMS, UNAA, UNNT, USNN, UTAA, UTAK, UTAT, UTAV, UTDD, UTDL, UTNN, UTNU, UTSA, UTSB, UTSK, UTSS, UTST, UTTT, UUEE
SARS31	KWBC	UELL, UEST, ULLI, ULMM, UOHH, UOOO, UUDD, UUEE, UUWW
SASN31	KWBC	ESDF, ESGG, ESGJ, ESGP, ESKN, ESMK, ESMS, ESMX, ESNN, ESNO, ESNQ, ESNS, ESNU, ESOK, ESOW, ESPA, ESSA, ESSB, ESSD, ESSP, ESSV
SASW31	KWBC	LSGC, LSGG, LSGS, LSZA, LSZB, LSZG, LSZH, LSZR, LSZS
SAUS31	KWBC	KABQ, KATL, KBGR, KBHM, KBNA, KBOS, KBWI, KCHS, KCLE, KCLT, KCVG, KDEN, KDFW, KDTW, KEWR, KFLL, KIAD, KIAH, KIND, KJAX, KJFK, KLAS, KLAX, KLGA, KLIT, KLOU, KMCI, KMCO, KMEM, KMIA,

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ASIA/PAC ICD OPMET Data Bank Access Producers   *E–28*

		KMSP, KMSY, KOAK, KOKC, KONT, KORD, KORF, KPBI, KPHF, KPHL, KPHX, KPIT, KRDU, KSAN, KSEA, KSFO, KSTL, KSWF, KTEB, KTPA
SAUS41	KWBC	KABE, KAGC, KAKR, KALB, KART, KAVP, KBAF, KBDL, KBDR, KBED, KBTV, KBUF, KBVY, KCAE, KCAK, KCMH, KCRW, KDAY, KDOV, KERI, KEWB, KFVE, KGON, KGSO, KGSP, KHPN, KHTS, KHUL, KHVN, KIAG, KILG, KILM, KINT, KLSV, KLUK, KMDT, KMMU, KMSS, KOQU, KORH, KPQI, KPSM, KPVD, KPWM, KRIC, KROC, KSCH, KSYR, KWRI
SAUS42	KWBC	KAMA, KAUS, KBPT, KBQK, KBRO, KBTR, KCHA, KCRP, KDAL, KDRT, KELP, KEYW, KFPR, KFTW, KFTY, KFXE, KGLS, KGPT, KHOU, KHRL,
		KHSV, KLCH, KLRD, KMAF, KMFE, KMGM, KMOB, KNEW, KOPF, KPDK, KPFN, KPIE, KPNS, KRSW, KSAT, KSAV, KSHV, KSSI, KTMB, KTUL, KTYS
SAUS43	KWBC	KAAA, KAPN, KAZO, KBDE, KBTL, KBTM, KCIU, KCMX, KCOS, KCPR, KDET, KDLH, KDSM, KELO, KFAR, KFNT, KGFK, KGRB, KGRR, KICT, KINL, KISN, KLEX, KMBS, KMDW, KMKC, KMKE, KMLI, KMOT, KOMA, KPHN, KPIA, KPTK, KPUB, KSAW, KSDF, KSGF, KSTP, KSUS, KTOL, KVYS
SAUS44	KWBC	KBFI, KBIL, KBKE, KBLI, KBOI, KCLM, KCTB, KDUG, KFAT, KGEG, KGGW, KGTF, KHLN, KHQM, KHVR, KIPL, KLBB, KMSO, KOLM, KOLS, KPAE, KPDX, KPMD, KRNO, KRNT, KSAC, KSCK, KSDM, KSFF, KSJC, KSLC, KSMF, KTIW, KTUS
FVXX20	KNES	
FVXX21	KNES	
FVXX22	KNES	
FVXX23	KNES	
FVXX24	KNES	
FVXX25	KNES	
WCPN05	KKCI	KZOA
WVPN05	KKCI	KZOA
WSPN05	KKCI	KZOA

— END—

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