



International Civil Aviation Organization

THIRD MEETING OF ASIA/PAC OPMET MANAGEMENT TASK FORCE OF CNS/MET SUB-GROUP OF APANPIRG (OPMET/M TF/3)

Bangkok, Thailand, 2-4 March 2005

Agenda Item 2: Review

b) Content and operation of Regional OPMET Data Banks

CONTENT AND OPERATION OF THE RODBS - BANGKOK

(Presented by Thailand)

SUMMARY

The purpose of this paper is to inform some updated content and operation of Bangkok RODB.

1. INTRODUCTION

1.1 Bangkok RODB informs some updated content and operation of Bangkok RODB from ASIA/PAC OPMET Data Banks ICD, Third Edition -- 2004.

2. UPDATED CONTENT AND OPERATION OF BANGKOK RODB

2.1 The other RODBs can presently provide a request message format for two or more data types at one location. Therefore, the Bangkok RODB inform to provide more facilities by introducing one more request message format as given below:

▪ ***Request for two or more data types at the same locations/bulletins***

Meaning: The format of the request line to obtain two or more MET data types for

locations/bulletins is as follows:

RQM/TT₁AAii₁,CCCC₂/TT₂/...../TT_n=

Example: RQM/SAAS31,VTSM/FT/FC=

2.2 Moreover, some updated content and operation of Bangkok RODB are shown as Attachment.

3. ACTION

3.1 The meeting is invited to note this paper for updating ASIA/PAC OPMET Data Banks ICD, Third Edition -- 2004.

-END-

APPENDIX A
REGIONAL OPMET DATA BANK – BANGKOK
(RODB Bangkok)

1. General Information:

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

2. Contact Information:

Mr. Panchai Kunavuthi
Director, Aeronautical Network Management Centre
Aeronautical Radio of Thailand (AEROTHAI)
102 Ngamduplee, Tungmahamek
Sathon, Bangkok 10120

Tel : +66 2 2859333
Fax : +66 2 2873131
e-mail : panchai@aerothai.co.th

Mr. Vethis PRASANNATRA
Aeronautical Communications and AIS Manager
Aeronautical Radio of Thailand Limited
102 Soi Ngamduplee
Tungmahamek, Sathorn
Bangkok 10120

Tel: +66 (2) 2859333
Fax: +66 (2) 2873131
e-mail: vethis@aerothai.co.th

Ms. Narissara NARANGSRI
Aeronautical Communications and AIS Manager
Aeronautical Radio of Thailand Limited
102 Soi Ngamduplee
Tungmahamek, Sathorn
Bangkok 10120
Tel: +66 (2) 2859084/5
Fax: +66 (2) 2873131
e-mail: naris_land@go.com
naris.land@gmail.com

2.1 AFTN Address : VTBBYZYX**2.2 Data type held:**

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

FT - Aerodrome Aviation Forecasts valid up to 24hours (TAF)

FC - Aerodrome Aviation Forecasts valid up to 12hours (TAF)

SA - Routine Aviation Meteorological reports (METAR)

SP - Special Aviation Meteorological reports (SPECI)

WS - for significant MET conditions (SIGMET)

UA - Air report (AIREP)

WC - Tropical Cyclone (SIGMET)

WV - Volcanic Ash (SIGMET)

WT - For tropic revolving storm (SIGMET)

FV - Volcanic Ash Advisory (VAA)

FK - Tropical Cyclone Advisory (TCA)

3. Restriction:

- a) One line shall be less than 69 characters including RQM designator and equal signal.
- b) 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.
- c) Up to ten request lines per message are accepted.
- d) Up to two data types of request per message are accepted.

4. Response:

- a) Request message follow the format will be reply automatically.
- b) Format request message error would have message return.
- c) A request message which is not available in data bank will reply NIL=
Example : METAR VTSS NIL=

5. Interrogation Procedures:

1. Message address and format used for request message.
2. The ICAO location indicators shall be used.
3. The messages shall be addressed to **VTBBYZYX** with priority "GG" "FF" or "DD"

6. Details of data request line:

RQM = Indicates the start of 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 identifiers.

CCCC = Four letter location indicator.

AAii = Bulletin identifier.

DDDDDD = Time of WMO Line.

= = An equal sign indicates the end of RQM line.

7. Examples of request formats are given below:**Example****1. Request for only one data type at one location**

RQM/TTCCCC=

Type available : SA, FT, FC, SP, WS, WT, WV, WC

RQM/SAVTCC=

2. Request for only one data type at two or more location but not more than ten

RQM/TTCCCC,CCCC1,...=

Type available : SA, FT, FC, SP, WS, WT, WV, WC

RQM/FTVTBU,VTSS,VTSP,VVNB,VVDN,VTCC,VLVT,VYMD,VTBD,VVTS=

3 Request for only one Meteorological Bulletin

RQM/TTAAii=

Type available : SA, FT, FC, SP, WS, WT, WV, WC,UA

RQM/FTTH33=

4. Request for two or more Meteorological Bulletin but not more than ten

RQM/TTAAii,TTAAii1=

Type available : SA, FT, FC, SP, WS, WT, WV, WC,UA

RQM/SAAS31,SAAS32,SATH31,SATH32,SATH33=

RQM/FTAS31,FTHK31,FTTH31,FTTH32,FTTH33=

5. Request for two or more data types at the same locations/bulletinsRQM/TT₁AAii₁,CCCC₁/TT₂/...../TT_n=Type available : SA, FT, FC, SP, WS, WT, WV, WCRQM/SAAS31,VTSM/FT/FC=**6. Request for one location but specific date time group in WMO line**

RQM/TTCCCCDDDDDD=

Type available : SA, FT, FC, SP, WS, WT, WV, WC

RQM/SAVTBD061330=

7. Request for one Meteorological Bulletin but specific date time group in WMO line

RQM/TTAAiiDDDDDD=

Type available : SA, FT, FC, SP, WS, WT, WV, WC,UA

RQM/SAAS31080830=

8. Request for one location then +

RQM/TTCCCC+=

Type available : SA, FT, FC, SP, WS, WT, WV, WC

Note: Message will reply 6 data start from update data.

RQM/SPVGZR+=

9. Request for data type then use XXXX

RQM/TTXXXX=

Type available : SP, WS, WT, WV, WC, UA

Note: Message will reply 6 data start from update data.

RQM/SPXXXX=

RODB Bangkok — OPMET Data Catalogue:

The catalogue consists of the list of METAR, TAF and SIGMET bulletins. Each bulletin separated by each country.

ASIA/PACIFIC REGION**AUSTRALIA**

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
SAAU31	YBBN	YBCS, YMML, YBTL, YPDN, YBAS, YPAD, YBBN, YSSY, YPXM, YPCC, YPPH, YPLM, YPTN, YPKU
SAAU32	YBBN	YSCB, YBCG, YMAV, YBRK, YPKG, YPPD, YBRM, YSNF, YSDU, YSRI, YWLM, YMLT, YMHB, YPEA, YCIN, YFRT, YPGV, YAMB, YBHM, YBMA
<u>SPAUI31</u>	<u>YBBN</u>	<u>YMML, YSSY</u>
<u>SPAUI32</u>	<u>YBBN</u>	<u>YPEA, YMHB</u>
FTAU31	YBBN	YMML, YBCS, YSSY, YPPH, YPAD, YPDN, YBAS, YPTN, YPXM, YBBN
FTAU32	YBBN	YBTL, YBRK, YPLM, YPKG, YSCB, YPPD, YBCG, YPEA, YPCC, YMAV, YWLM, <u>YSRI</u>
FCAU31	YBBN	YSNF, YBRM, YSDU, YCIN, YMLT, YMHB, YPGV, <u>YBMA</u> , YPKU, YBHM, YAMB, YFRT

CAMBODIA

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
SAKP31	VDSR	VDSR

BANGLADESH

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
SABW31	VGEG	VGEG
SPBW31	VGEG	VGEG
WSBW20	VGZR	VGZR
FTBW31	VGEG	VGEG
<u>FCBW31</u>	<u>VGEG</u>	<u>VGEG</u>

CHINA

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

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
FTCI41	ZBBB	ZGHA, ZHHH, ZJHK, ZJSY, ZBHH, ZLLL, ZYHB, ZSNJ, ZSOF, ZUCK, ZWSH, ZYCC

HONG KONG, CHINA

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
SAHK31	VHHH	RPLB, RPMD, RPVM, RPLL, VHHH, VMMC, RPMZ, RCSS, RCKH, RCTP, RPLI
<u>SPHK31</u>	<u>VHHH</u>	<u>VHHH, VMMC</u>
FTHK31	VHHH	RCTP, RCKH, RCSS, VMMC, VHHH, RPLL, RPMZ, RPVM, RPMD, RPLB, RPLI
<u>FCHK31</u>	<u>VHHH</u>	<u>VHHH, RCTP, RCKH, KCSS, VMMC, RPLL, RPVM</u>
<u>WSSS20</u>	<u>VHHH</u>	<u>VHHK</u>

INDIA

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
SAAE31	VECC	VECC, VGZR, VGEG, VNKT, VEPT
SAIN31	VABB	VOMM, VOTR, VOTV, VAAH, VOHY, VANP, VABB
SAIN32	VIDP	VIDP, VIBN, VIAR, VIJP, VILK
FTIN31	VABB	VAAH, VECC, VIDP, VANP, VILK, VABB, VIJP, <u>VIBN, VOHY, VIAR, VEPT</u>
FTIN32	VABB	VCBI, <u>VOCL</u> , VOCI, VOMM, VOTV, VOHY, VNKT, <u>VOTR</u>
<u>FCIN31</u>	<u>VABB</u>	<u>VAAH, VABB, VECC, VIDP, VOCI</u>
WSIN90	VIDP	VIDP
<u>WSIN90</u>	<u>VECC</u>	<u>VECC</u>

INDONESIA

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
SAID31	WIII	WIII, <u>WIIH</u> , WIMM, WARR, WADD, WAAA, WABB

JAPAN

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
SAJP31	RJTD	RJGG, ROAH, RJTT, RJBB, RJOO, RJAA
SAJP32	RJTD	RJFU, RJFK, RJCC, RJCH, RJFF
FTJP31	RJTD	RJAA, RJBB, RJTT, RJOO, ROAH, RJSS, RJCH
FTJP32	RJTD	<u>RJGG</u> , RJCC, RJFK, RJSN, RJFU, RJFF, RJFT, RJOT, RJOA, RJOB, RJFO, RJNT, RJNK
FCJP31	RJTD	RJAA, RJBB, RJTT, RJOO, ROAH, RJCH, RJSS
FCJP32	RJTD	RJFF, <u>RJGG</u> , RJCC, RJFK, RJSN, RJFU, RJFT, RJOA, RJOB, RJOT, RJFO, RJNT, RJNK
<u>WSJP31</u>	<u>RJAA</u>	<u>RORG, RJTD</u>

MALAYSIA

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
SAMS31	WMKK	WMKK, WSSS, WSSL, WMKP, WBKK, WBGG, WBSB
<u>SPMS31</u>	<u>WMKK</u>	<u>WBGG, WBKK, WBSB, WSSS</u>

NEW ZEALAND

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
SANZ31	NZKL	NZAA, NZWN, NZCH
FTNZ31	NZKL	NZWN, NZAA, NZCH
SPNZ31	NZKL	NZCH, <u>NZAA</u>

REPUBLIC OF KOREA

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
SAKO31	RKSI	RKSS, RKPC, RKPK, RKSI, RKNY, RKTN, RKTU
SPKO31	RKSI	RKTU, RKTN, RKPK, <u>RKSS, RKSI, RKNY</u>
FTKO31	RKSI	RKNY, RKSI, RKPC, RKPK, RKTU, RKTN, RKSS
<u>FCKO31</u>	<u>RKSI</u>	<u>RKNY, RKSI, RKPC, RKPK, RKTU, RKTN, RKSS, RKJY, RKPU</u>
<u>WSKO31</u>	<u>RKSI</u>	<u>RKRR</u>

PAKISTAN

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
SAPK31	OPKC	OPKC, OPRN, OPLA, OPNH
<u>SPPK31</u>	<u>OPKC</u>	<u>OPRN</u>
FTPK31	OPKC	OPKC, OPLA, OPNH, OPRN, OPPS, OAKB, OAKN
<u>FCPK31</u>	<u>OPKC</u>	<u>OPKC, OPLA, OPNH, OPSK, OPGD</u>

SINGAPORE

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
FTSR31	WSSS	WSAP, WMKK, WMSA, WSSS, WMKP, WADD, WMKJ, WIHH, WIIL, WARR
FTSR32	WSSS	WBSB, WBKK, WIMM, WBGG
FCSR31	WSSS	WIIL, WSSS, WSAP, WIHH, WMKK, <u>WSSL, WAAA</u>

SRI LANKA

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
SASB31	VCCC	VCBI, VRMM

THAILAND

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
SAAS31	VTBB	VTBD, VTCC, VTBU, VTSS, VTSP, VLVT, VYYY, VVTS, VVNB, VVDN, VDPP, VYMD
SATH31	VTBB	VTCT, VTCN, VTPH, VTPM, VTPO, VTCL, VTCP, VTCH, VTPT, VTPP
SATH32	VTBB	VTSM, VTSK, VTST, VTSR, VTSF, VTSC, VTSB, VTSE, VTSG
SATH33	VTBB	VTUI, VTUU, VTUL, VTUO, VTUQ, VTUJ, VTUK, VTUD, VTBO, VTUW, VTUV
FTAS31	VTBB	VTBD, VYYY, VGZR, VLVT, VVTS, VDPP
FTAS32	VTBB	VTBU, VTCC, VTSS, VTSP, VVNB, VVDN, VYMD

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
FTTH31	VTBB	VTCT, VTCL, VTCN, VTCP, VTCH, VTPM, VTPP, VTPT, VTPO, VTPB
FTTH32	VTBB	VTSB, VTSM, VTSC, VTSK, VTST, VTSR, VTSF, VTSH, VTSE, VTSG
FTTH33	VTBB	VTUD, VTUI, VTUK, VTUU, VTUL, VTUO, VTUW, VTUQ, VTUV, VTUJ
FCAS31	VTBB	VTBD, VTCC, VTSS, VTSP, VTCT, VTUU
SPTH32	VTSP	VTSP
SPTH32	VTSF	VTSF
SPTH33	VTBA	VTUD, <u>VTUU</u>

VIET NAM, SOCIALIST REPUBLIC OF

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
SAVS31	VVNB	VVVH, <u>VVNS</u> , <u>VVCI</u>
FTVS31	VVNB	VVCI, VVVH, VVDB
FCVS31	VVNB	VVDB, VVCI, VVVH
SPVS31	VVTS	VVTS
SPVS31	VVDN	VVDN
SPVS31	VVNB	VVNB, VVVH, <u>VVCI</u>
WSVS31	VVGL	VVTS, VVNB

OTHER REGIONS
EUROPEAN AND NORTH ATLANTIC REGION

AUSTRIA

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
FTEE31	LOWM	UAAA, UAFO, UELL, UTKN, UAFM, UATT, UTNU, UTKF, UACC
FTOS31	LOWM	LOWL, LOWI, LOWG, LOWS, LOWW, LOWK

BELGIUM

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
FTBX31	EBBR	EBBR, ELLX, EBOS, EBLG

CYPRUS

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
FTCY31	LCLK	LCPH, LCLK, LCNC

DENMARK

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
FTDN31	EKCH	EKBI, EKCH
FTDN32	EKCH	EKYT

FRANCE

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
FTFR31	LFPW	LFML, LFPG, LFPO, LFBD
FTFR32	LFPW	LFL, LFSB, LFKB, LFLS, LFMN, LFQQ

GERMANY

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
FTDL31	EDZO	EDDH, EDDF, EDDN, EDDS, EDDV, EDDK, EDDL, EDDM, EDDT
FTDL32	EDZO	EDDW, EDDC, EDDG, EDDP, Eddb, EDDE, EDDI, EDDR

GREECE

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
FTGR31	LGAT	LGAV, LGAD, LGIR, LGTS, LGRP

HUNGARY

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
FTHU31	LHBM	LHBP

IRELAND

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
FTIE31	EIDB	EIDW, EINN

ITALY

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
FTIY31	LIIB	LIRP, LIRA, LIML, LIMF, LIRF, LIRN, LIMC, LIMJ, LIEE
<u>FTIY32</u>	<u>LIMM</u>	<u>LIPR</u>

NETHERLANDS

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
FTNL31	EHDB	EHAM, EHBK, EHRD

SERBIA AND MONTENEGRO

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
FTYG31	LYBM	LYBE, LYNI, LYTV, LYPG

SPAIN

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
FTEW31	LEMM	LEMD, LEBL, LEZL, LEMG, LEPA, LEIB, LEVC
FTEW32	LEMM	GCTS, GCXO, GCLP, GCRR, GCFV

SWITZERLAND

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
FTSW31	LSSW	LSZH, LSGG

TURKEY

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
FTTU31	LTAA	LTBU, LTAC, LTAI, LTBJ, LTFE, LTAF, LTFC, LTBA, LTFJ, LTAZ, LTBS,LTCC, LTFH, LTBR

UNITED KINGDOM

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
FTUK31	EGGY	EGCC, EGLL, EGPK, EGKK, EGPF, EGSS
FTUK31	EGGY	EGAA, EGGW, EGPH, EGBB, EGNX, EGPD

MIDDLE EAST REGION**BAHRAIN**

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
SABN31	OBBI	OEDF, OEDR, OTBD, OBBI, OKBK
SABN32	OBBI	OMAL, OMDB, OMAA, OMFJ, OOMS, OMRK, OMSJ
FTBN31	OBBI	OBBI, OEDR, OEDF, OTBD, OKBK
FTBN32	OBBI	OMAA, OMAL, OMDB, OOMS, OMFJ, OMRK, OOSA, OMSJ

IRAN (ISLAMIC REPUBLIC OF)

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
SAIR31	OIII	OIII, OIZH, OIMM, OIFM, OISS, OIKB, OIAW, OIKK, OITT
FTIR31	OIII	OIFM, OIZH, OIMM, OIAW, OITT, OISS, OIKB, OIII, OIKK, <u>OITR,OIIE,OIZC</u>

LEBANON

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
SAME31	OLBA	OSDI, OLBA, OJAQ, OJAI, OSAP, OSLK, OJAM
FTME31	OLBA	OLBA, OJAM, OJAI, OSDI, OSAP, OJAQ
<u>WSLB31</u>	<u>OLBA</u>	<u>OLBA</u>

SAUDI ARABIA

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
SAAF32	OEJD	HECA, HELX, HSSS
SASD20	OEJD	OEAB, OEAH, OEBA, OEBH, OEDF, OEDM, OEDR, OEGN, OEGS, OEGT,OEHL, OEJN, OEKB, OEKK, OEKM, OEMA, OEMH, OEMK, OENG, OEPA,OERF, OERK,OERR, OERY, OESH, OESK, OETB, OETF, OETR, OEWD, OEJN, OEYN, <u>OEKJ</u>
SASD31	OEJD	OEDR, OEMA, OEDF, OYSN, OEJN, OERK, OERY, OYAA
<u>SPSD21</u>	<u>OEJD</u>	<u>OEDM,OETF</u>
FTAR20	OEJD	OMAA, OMAD, OKBK,OMRK, OMSJ, OOB, OOKB, OOMA, OBBI, OMDB,OOSA, OYSN, OYAA, OOMS, OTBD, OOB, OOSH, OOTH, OOSR, OOSQ, OOSH
FTSD22	OEJD	OEJN, OEDR, OEMA, OERK, OEDF
FTSD31	OEJD	OEJN, OEMA, OERK, OEDR, OYSN, OEDF
FTSD40	OEJD	OETF, OEAB, OEBA, OEBH, OEGN, OEKM, OENG,OEWD, OESH, OEYN,OEJN, <u>OEAH,OEGS,OEGT,OEHL,OEPA,OEKK,</u> <u>OERF,OERR,OERY,OEDM,OESK,OETB,OETR,OEJB,</u> <u>OETF,OEKJ</u>
<u>WSSD20</u>	<u>OEJD</u>	<u>OESK,OEJD,OERK</u>

NORTH AMERICAN, CENTRAL AMERICAN AND CARIBBEAN REGION**UNITED STATES OF AMERICA**

<i>TTAAii</i>	<i>CCCC</i>	<i>STATION or FIR</i>
FTEE32	KWBC	LROP, ~~LBSF~~ , LHBP, LRTR, LBWN
FTEM31	KWBC	LZIB, LDDU, LKPR, LDZA, LDPL, LYTV, LYPG, LOWG, LOWS, LOWW,LKTB, LKMT, LJLJ, LDSP, LYBE, LYNI, LOWI, LOWK, LOWL
FTEN31 KWBC		EFTP, EFTU, EVRA, ENBO, ENBR, ENSB, EFKU, EFHK, ENVA, ENZV,ENGM, <u>EFRO,EFQU</u>

Note: Underlined Characters = Bulletins/Stations were added
Strikethrough Characters = Stations were deleted