



International Civil Aviation Organization

**EIGHTH MEETING OF THE ASIA/PACIFIC OPMET
MANAGEMENT TASK FORCE (OPMET/M TF/8)**

Bangkok, Thailand, 23 – 25 March 2010

**Agenda Item 3b: Review of regional guidance material on OPMET exchange –
ASIA/PAC ICD**

REVIEW OF ICD FOR SINGAPORE DATABANK

(Presented by Singapore)

SUMMARY

This information provides an update on the ICD for Singapore OPMET Databank.

1. DOCUMENT REVISION RECORD

Affected Record	Description of Amendments
Asia/Pacific OPMET Data Banks Interface Control Document 3 rd Edition – 2004 (Amended April 2009) a) Appendix D Section 1 – General Information	i) Add WMO abbreviated heading to a reply message: TTSR99 WSSS YYGGgg (TT is the requested data type, e.g. FT) Example: FTXX99 WSSS 082100 TAF WMKK 082100Z 0900/0924 22005KT 9000 FEW017CB SCT140 BKN280= ii) Amend the format of a reply message when a request is not available in the databank:

	<p>ZZXX99 WSSS 220906 RQM/FTCCCC TAF <u>CCCC NIL</u>=</p> <p>Example:</p> <p>ZZXX99 WSSS 090320 RQM/FCWSSS,WMKK,WMKP= TAF WSSS NIL= TAF WMKK NIL= TAF WMKP NIL=</p> <p>iii) Amend the format of A reply message when the CCCC is unknown:</p> <p>ZZXX99 WSSS 220912 RQM/FTCCCC TAF <u>CCCC UNKNOWN</u>=</p> <p>Example:</p> <p>ZZXX99 WSSS 090353 RQM/FTWRDD TAF WRDD UNKNOWN=</p>
<p>b) Appendix D - OPMET Data Catalogue</p>	<p>Update stations (CCCC) in the bulletins according to the real-time data received between 10 and 23 February 2010.</p>

2. ACTION BY THE MEETING

- 2.1 The meeting is invited to note the changes to Appendix D of the ICD.
- 2.2 The soft copy of the Singapore RODB data catalogue is available for ICD updates.

APPENDIX D**REGIONAL OPMET DATA BANK – SINGAPORE
(RODB Singapore)****1. General Information**

1.1 Direct access: AFTN address **WSSSYZYX**

Example: **GG WSSSYZYX**
200700 WBSBYMYX
RQM/SAWSSS,WMKK,WIII=

1.2. 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 WSBYMYX
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
Supervisor, Main Meteorological Office
Operational Services Department
Meteorological Services Division
National Environment Agency
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 LFPWYZYX 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 ₁ T ₂ CCCC, ..., C ₁ C ₁ C ₁ C ₁ = RQM/T ₁ T ₂ CCCC, C ₁ C ₁ C ₁ C ₁ /T ₁ T ₂ CCCC/ T ₁ T ₂ CCCC= (Where T ₁ T 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 ₁ T ₂ ,AA,.....,A ₁ A ₁ = (Where A ₁ A ₁ or A ₁ A ₁ ii 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=

<p>3) Special request format for FK and FV bulletins:</p> <p>RQM/ T₁T₂,AA,.....,A₁A₁=</p> <p>(Where T₁T₂ is FK or FV and AA or A₁A₁ is the bulletin identifier or country designator)</p> <p>RQM/FVXXXX= RQM/FKXXXX=</p> <p>(Where XXXX is a dummy Location Indicator)</p>	<p>Example:</p> <p>RQM/FKIO= RQM/FVAU01=</p> <p>RQM/FVRJTD= RQM/FKVIDP=</p>
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5. Examples of request formats

Various RQM formats for SA, SP, FC and FT	Example
<p>1) Request for one data type at one aerodrome</p> <p>RQM/T₁T₂CCCC=</p>	<p>RQM/FTEDDF=</p>
<p>2) Request for one data type at two or more aerodromes</p> <p>RQM/T₁T₂CCCC,C₁C₁C₁C₁,.....,C_nC_nC_nC_n=</p>	<p>RQM/SAWSSS,WMKK,WIII= RQM/FTVHHH,RCTP,RCKH=</p>
<p>3) Request for TAF bulletins</p> <p>RQM/T₁T₂A₁A₁,.....,A₁A₁ii=</p>	<p>RQM/FTDL31,IN=</p>
<p>4) Other request options for SA bulletin</p> <p>RQM/T₁T₂CCCCn= (where n is the number of preceding messages required, n<=3)</p> <p>RQM/T₁T₂CCCCn, C₁C₁C₁C₁= (where n is the number of preceding messages required, n<=3)</p> <p>RQM/T₁T₂CCCC,GGgg,.....,GGgg= (where T₁T₂ is SA and GGgg is the standard time of observation)</p> <p>RQM/T₁T₂XXGGgg,CCCC,.....,C₁C₁C₁C₁= (where T₁T₂ is SA and GGgg is the standard time of observation)</p>	<p>RQM/SAVHHH2=</p> <p>RQM/SAWMKK3,WSSS=</p> <p>RQM/SAVVTS,0200,0130=</p> <p>RQM/SAXX0200,WMKK,VHHH,WSSS, WIII=</p>

<p>5) Request for two or more data types at one aerodrome</p> <p>RQM/ T₁T₂CCCC, T₁T₂, T₁T₂=</p>	<p>RQM/FTEGLL,SA,SP=</p>
<p>6) Request for two or three data types at more aerodromes</p> <p>RQM/ T₁T₂CCCC, C₁C₁C₁C₁/ T₁T₂ A₁A₁, A₁A₁ii/ T₁T₂ CCCC=</p>	<p>RQM/SAVHHH,ZGGG/FTSR31/SPWSSS=</p>

RODB Singapore – 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)
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,YCIN,YFRT,YPGV,YBHM,YBMA,YPKU
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	ADRM	YBBB, YMMM
WCAU01	APRF	YBBB, YMMM
WSAU21	ABRF	YBBB, YMMM
WSAU21	ABTL	YBBB
WSAU21	ADRM	YBBB
WSAU21	ADRM	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	VGZR	VGZR
FTBW31	VGEG	VGEG
WSBW20	VGZR	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
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
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	ZPPP	ZPKM
WSCI37	ZLLL	ZLHW
WSCI39	ZWWW	ZWUQ

FIJI

TTAAii	CCCC	STATIONS or FIR
FKPS01	NFFN	N/A
FTFJ31	NFFN	NFFN,NCRG,NFTF,NSFA,PLCH
FTTV31	NFFN	NGFU
FTKB31	NFFN	NGTA
SAFJ31	NFFN	NFFN
SAPS31	NIUE	NIUE
WSEJ01	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
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FTPA31	PHFO	NSTU, PHJH, PHJR, PHKO, PHLI, PHMK, PHNL, PHNY, PHOG, PHTO, PMDY
WCPA01	PHFO	KZOA
WSPA01	PHFO	KZOA
WVPA01	PHFO	KZOA

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	VOMM	VOMM,VOBL,VOML,VOCI,VOCL,VOTR,VOTV,VOCB
FTIN90	VOTV	VOTV,VOCI,VOCL
FCIN31	VABB	VAAH,VABB,VECC,VIDP,VOCI
FCIN32	VABB	VAAH,VAAU,VABB,VABM,VABO,VABP,VABV,VAGN,VAGO,VAID, VAJB,VAJM,VAKJ,VANP,VAPO,VARK,VARP,VCBI,VEVZ,VIGR, VOBG,VOBZ,VOCB,VOCC,VOCI,VOCL,VOHY,VOMD,VOML,VOMM, VOTP,VOTR,VOTV
SAIN31	VABB	VAAH,VABB,VANP,VOHS,VOMM,VOHY,VOTR,VOTV
SAIN32	VIDP	VIDP,VILK,VIAR,VIBN,VIJP
SAIN33	VECC	VECC,VEPT,VGEG,VGZR,VNKT
WSIN31	VABB	VABF
WSIN31	VECC	VECF
WSIN31	VOMM	VOMF
WSIN31	VIDP	VIDF
WCIN31	VABB	VABF
WCIN31	VECC	VECF
WCIN31	VIDP	VIDF
WCIN31	VOMM	VOMF
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
FTID31	WABB	WABB
FTID32	WIPP	WIPP
FCID31	WIII	WIII
FCID31	WIHH	WIHH
SAID31	WIII	WADD,WAAA,WIMM,WIII,WIHH,WABB,WARR,WIDD
SAID32	WIII	WIPT,WADA,WIOO,WALL,WAMM,WIBB,WIKN,WIPP,WAOO
SAID33	WIII	WABP,WAJJ,WAKK,WAPP,WARS,WIAT,WATT,WALR
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
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
FKPQ31	RJTD	N/A
FKPQ32	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	WBGJ,WBKK
FTMS40	WMKK	WBGB,WBGR,WBGS,WBKL,WBKS,WBKW,WMKL,WMKM
FTMS41	WMKK	WMAU,WMBT,WMKA,WMKC,WMKE,WMKI,WMKN,WMPA
FTMS42	WMKK	WMKB
FTMS43	WMKK	WMKD
SAMS31	WMKK	WBGJ,WBKK,WBSB,WMKK,WMKP,WSSS (Half-hourly reports)
SAMS32	WMKK	WBGJ,WBKK,WMKJ,WMKK,WMKP,WMSA (Hourly reports)
SAMS33	WMKK	WMAU,WMBT,WMKA,WMKB,WMKC,WMKD,WMKI,WMKL,WMKM, WMKN (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,PGWT, PTRO,PTYA,PTKK,PTPN,PTSA,PKWA, PKMJ
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
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

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,RPML, RPMR
SAPH31	RPLC	RPLC
WCPH30	RPLL	RPHI

RUSSIAN FEDERATION

TTAAii	CCCC	STATIONS or FIR
FTAY31	RUMS	UDSG,UDYZ
FTKY31	RUMS	UAFM,UAFO
FTKZ31	RUMS	UAKK,UACC,UATT,UAAA
FTRA31	RUMS	UEEE,UELL,UERR,UEST
FTRA32	RUMS	UHHH,UHMM,UHMP,UHPP,UHMA
FTRA33	RUMS	UIAA,UIBB,UIII,UIIU
FTRA34	RUMS	UNAA,UNBB,UNKL,UNNT,UNOO
FTRA35	RUMS	UHSS,UHWW,UOHH,UOOO
FTRA36	RUMS	USCC,USDD,USNN,UWUU,UNEE
FTRA37	RUMS	USHH,USRR,USSS,USTR
FTRS31	RUMS	ULAA,ULLI,ULMM,UWGG,UMKK

FTRS32	RUMS	URKK,URMM,URRR,URKA,URSS
FTRS33	RUMS	UDD,UEEE,UUWW,
FTRS34	RUMS	USPP,UWKD,UWKE,UWLL
FTRS35	RUMS	UUY, UWLW,UWOO,UWWW
FTUZ31	UTTT	UTTT,UTNN,UTSS,UTFN,UTST,UTNU,UTSB,UTSA
SAAY31	RUMS	UDSG,UDYZ
SAKY31	RUMS	UAFM,UAF0
SAKZ31	RUMS	UAAA,UAKK,UAOO,UARR,UATE,UAAU,UACC,UATG,UATT
SARA31	RUMS	UEEE,UELL,UERP,UERR,UESO,UEST,
SARA32	RUMS	UHHH,UHMA,UHMM,UHMP,UHNN,UHPP,UHSH,UHSS,UHWW
SARA33	RUMS	UIAA,UIBB,UIII,UIIU
SARA34	RUMS	UNAA,UNBB,UNEE,UNKL,UNNT,UNOO,UNWW,USHH,USTR
SARA35	RUMS	ULDD,UOHH,UOII,UOOO,USCM
SARA36	RUMS	USCC,USDD,USRK,USRR,USSS,UWUU,USMU,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
WVRA32	RUYK	UELL
WVRA33	RUHB	UHBB
WVRA31	RUHB	UHHH

SINGAPORE

TTAAii	CCCC	STATIONS or FIR
FTRS31	WSSS	WSSS,WSAP,WSSL,WAAA,WABB,WADD,WARR,WIHH,WIII,WIMM
FTRS32	WSSS	WMKJ,WMKK,WMKP,WMSA,WMKL,WMKM
FTRS33	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
WSSB31	VCBI	VCCC

THAILAND

TTAAii	CCCC	STATIONS or FIR
FTAE31	VTBB	VTBD,VTBS,VTBU,VTCC,VTSS,VTSP,VGZR,VLVT
FTAE32	VTBB	VDPP,VVTS,VVNB,VVDN,VYYY,VYMD,VDSR
FTTH31	VTBB	VTCL,VTN,VTCP,VTM,VTTP,VTPT,VTPO,VTPB,VTCH
FTTH32	VTBB	VTSB,VTSM,VTSC,VTSK,VTST,VTSR,VTSE,VTSH,VTSE
FTTH33	VTBB	VTUD,VTUI,VTUK,VTUL,VTUO,VTUW,VTUQ,VTUV,VTUJ

SAZA31 FAPR FABL,FACT,FADN,FAEL,FAGG,FAJS,FAKN,FALA,FAPE,FAPN,FAPP,FAUP,FAMM

EUROPEAN AND NORTH ATLANTIC REGION

AZERBAIJAN

TTAAii CCCC STATIONS or FIR
 FTAJ31 UBBB UBBB,UBBG
 SAAJ31 UBBB UBBB,UBBG,UBBN,UBBL

AUSTRIA

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

BELGIUM, LUXEMBURG

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

CZECH REPUBLIC

TTAAii CCCC STATIONS or FIR
 FTCZ31 LKPW LKPR,LKMT,LKTB,LKKV
 SACZ31 LKPW LKPR,LKMT,LKTB,LKKV

DENMARK

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,EKHN,EKHR

FINLAND

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,EFSSO

FRANCE

TTAAii CCCC STATIONS or FIR
 FTFR31 LFPW LFLL,LFMN,LFPG,LFPO
 FTFR32 LFPW LFRB,LFRS,LFQQ
 FTFR33 LFPW LFBD,LFBO,LFML,LFLLX
 FTFR34 LFPW LFBH,LFBI,LFBL,LFBP,LFBT,LFBZ,LFLB
 FTFR35 LFPW LFKB,LFKC,LFKF,LFKJ,LFLLC,LFMP,LFMV
 FTFR36 LFPW LFCR,LFLS,LFLY,LFMT,LFMU,LFLP

FTFR37	LFPW	LFJL,LFOB,LFOH,LFOK,LFOP,LFSN,LFPB
FTFR38	LFPW	LFRD,LFRN,LFRO,LFRZ,LFSB,LFST
FTFR39	LFPW	LFMI,LFMK,LFTH
SAFR31	LFPW	LFBD,LFBO,LFKB,LFKJ,LFL,LFML,LFMN,LFPB,LFPG,LFPO, LFRB,LFSB
SAFR32	LFPW	LFBZ,LFJR,LFLS,LFOB,LFPN,LFQQ,LFRD,LFRS,LFSR,LFST, LFBT,LFOT
SAFR33	LFPW	LFBP,LFJL,LFLY,LFMH,LFMP,LFPT,LFRC,LFRN,LFRQ,LFSD, LFTW,LFLC,LFMT
SAFR34	LFPW	LFAQ,LFBA,LFBE,LFBL,LFBU,LFKF,LFLB,LFLX,LFMI,LFMK,LFRH, LFRK,LFTH,LFKC
SAFR35	LFPW	LFBH,LFBI,LFCR,LFGJ,LFLP,LFMD,LFMU,LFMV,LFOP,LFOP, LFRG,LFRO,LFRT,LFRZ

GERMANY

TTAAii	CCCC	STATIONS or FIR
FTDL31	EDZO	EDDF,EDDH,EDDK,EDDM
FTDL32	EDZO	EDDB,EDDC,EDDG,EDDL,EDDN,EDDP,EDDS,EDDT,EDDV,EDDW
FTDL33	EDZO	EDDE,EDDR,EDFH,EDOP
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,EDTL,EDVK
SADL34	EDZO	EDGS,EDJA,EDLN,EDLP,EDLW,EDMA,EDNY,EDQM,EDRZ,EDSB,EDHL, EDXW
SADL35	EDZO	EDHI,EDMO,EDOP,EDTD,EDVE
SADL36	EDZO	EDHK,ETNL,ETNU,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
SAGR33	LGAT	LGHI,LGKC,LGKF,LGKP,LGKZ,LGMK,LGNX,LGPA,LGSO
WSGR31	LGAT	LGGG

IRELAND

TTAAii	CCCC	STATIONS or FIR
FTIE31	EIDB	EINN,EIDW,EICK,EIKN
SAIE31	EIDB	EIDW,EINN,EICK,EIKN

ITALY

TTAAii	CCCC	STATIONS or FIR
FTIY31	LIIB	LIMC,LIME,LIMF,LIMJ,LIML,LIRF,LIRN,LIRP,LIRA
FTIY32	LIIB	LICC,LICJ,LIPE,LIPZ,LIBD,LIBP,LICA,LIEA,LIPK
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
WSIY31	LIIB	LIRR,LIBB,LIMM

NETHERLANDS

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

NORWAY

TTAAii	CCCC	STATIONS or FIR
FTNO31	ENMI	ENBR,ENGM,ENVA,ENZV
FTNO32	ENMI	ENAN,ENBO,ENDU,ENOL
FTNO33	ENMI	ENNA,ENSB
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,ENDI,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
WSNO31	ENMI	ENOR

POLAND

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

PORTUGAL

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

SPAIN

TTAAii	CCCC	STATIONS or FIR
FTEW31	LEMM	LEBL,LEMD,LEMG,LEPA,LEVC,LEIB
FTEW32	LEMM	GCFV,GCLA,GCLP,GCRR,GCTS,GCXO
FTEW33	LEMM	LEAL,LEGE,LEST,LEZG,LEGR
FTEW35	LEMM	LETO
SAEW31	LEMM	LEMD,LEBL,LEPA,LEZL,LEMG,LEVC,LEAL,LEIB,LELC,LEVX
SAEW32	LEMM	LEAS,LEBB,LECO,LEGE,LEST,LEZG,LESO,LEVT,LESL,LEMH, LEAM,LEGR,LERL
SAEW33	LEMM	GCLP,GCXO,GCTS,GCRR,GCFV
SAEW34	LEMM	LEBA,LEJR,LELL,LEPP,LEXJ,LEDA
SAEW35	LEMM	LEAB,LEBZ,LELN,LESA,LETO,LEVD,LEVS
SAEW36	LEMM	GCHI,GCLA,GEML
SAEW42	LEMM	LEBR,LEGA,LEGT,LEMO,LERI,LERT

SLOVENIA

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TTAAii	CCCC	STATIONS or FIR
FCLJ31	LJLJ	LJPZ
FCLJ32	LJLJ	LJCE
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
SASN35	ESWI	ESGL,ESGR,ESKM,ESNL,ESNX,ESNY,ESSF,ESSK,ESUD

SWITZERLAND

TTAAii	CCCC	STATIONS or FIR
FTSW31	LSSW	LSZH,LSGG
FTSW39	LSSW	LSMA,LSMD,LSME,LSMM,LSMP
SASW31	LSSW	LSZH,LSGG,LSZB,LSZA
SASW32	LSSW	LSGC,LSGS,LSZG,LSZR,LSZS,LSZC
SASW39	LSSW	LSMA,LSMD,LSME,LSMM,LSMP,LSMS

TURKEY

TTAAii	CCCC	STATIONS or FIR
FTTU31	LTAA	LTAC,LTAI,LTBA,LTBJ,LTBS,LTFE,LTFJ
FTTU32	LTAA	LTCF,LTCI,LTFH,LTAF,LTAJ,LTAZ,LTCG,LTCS,LTFC
FTTU33	LTAA	LTAN,LTAU,LTBR,LTBU,LTCC
SATU31	LTAA	LTAC,LTAF,LTAI,LTBJ,TAZ,LTBA,LTBJ,LTBS,LTCF,LTCG,LTCI,LTFE, LTFH,LTCS,LTFE,LTFJ
SATU32	LTAA	LTAN,LTAU,LTBR,LTBU,LTCC,LTCE

UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

TTAAii	CCCC	STATIONS or FIR
FTUK31	EGGY	EGCC,EGKK,EGLL,EGSS
FTUK32	EGGY	EGGP,EGNT,EGNX
FTUK33	EGGY	EGBB,EGFF,EGGD,EGGW
FTUK34	EGGY	EGDL,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	EGHD,EGHE,EGHK,EGHQ,EGJA,EGJB,EGJJ,EGTE,EGTG
SAUK35	EGGY	EGHH,EGKA,EGKB,EGLF,EGMC,EGMD,EGMH,EGTC
SAUK36	EGGY	EGBE,EGBJ,EGCN,EGDL,EGSC,EGSH,EGVN,EGWU
SAUK37	EGGY	EGAE,EGNC,EGNH,EGNJ,EGNR,EGPE,EGPI,EGPN
SAUK38	EGGY	EGEC,EGPA,EGPC,EGPL,EGPM,EGPO,EGPU

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,UAIL,UADD,UASK,UASP

MIDDLE EAST REGION**BAHRAIN**

TTAAii	CCCC	STATIONS or FIR
FTBN31	OBBI	OBBI,OEDF,OEDR,OTBD,OKBK
FTBN32	OBBI	OMAA,OMAD,OMAL,OMDB,OMFJ,OMRK,OMSJ,OOMS,OOSA
SABN31	OBBI	OBBI,OEDF,OEDR,OTBD,OKBK
SABN32	OBBI	OMAA,OMAD,OMAL,OMDB,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	HECA,HELX,HESN,HEBL,HEAX,HEBA,HEMM,HEGN,HESH,HEAR, HETB,HESC,HEMA,HEPS
SAEG31	HECA	HEMM,HEAX,HECA,HELX,HESN,HEAR,HEGN,HETB,HESC,HESH, HEBA,HEBL,HESC,HEDF,HETR,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	OIII,OIFM,OISS,OIKB,OIAW,OIMM,OIZH,OITT,OIKK
FTIR33	OIII	OIII,OIFM,OISS,OIKB,OIAW,OIMM,OIZH,OITT,OIKK
SAIR31	OIII	OIII,OIFM,OISS,OIZH,OIKB,OIMM,OIAW,OITT,OIKK
SAIR32	OIII	OIII,OIFM,OISS,OIZH,OIKB,OIMM,OIAW,OITT,OIKK
SAIR33	OIII	OIII,OIFM,OISS,OIZH,OIKB,OIMM,OIAW,OITT,OIKK
SAIR34	OIII	OIII,OIFM,OISS,OIZH,OIKB,OIMM,OIAW,OITT,OIKK
SAIR35	OIII	OIII,OIFM,OISS,OIZH,OIKB,OIMM,OIAW,OITT,OIKK
SAIR36	OIII	OIII,OIFM,OISS,OIZH,OIKB,OIMM,OIAW,OITT,OIKK
SAIR37	OIII	OIII,OIFM,OISS,OIZH,OIKB,OIMM,OIAW,OITT,OIKK

LEBANON

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

SAUDI ARABIA

TTAAii	CCCC	STATIONS or FIR
FTSD31	OEJD	OEDF,OEDR,OEJN,OEMA,OERK,OYSN
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,OERY,OYSN
SASD32	OEJD	OETF
WSSD20	OEJD	OEJD

SYRIAN ARAB REPUBLIC

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

NORTH AMERICAN, CENTRAL AMERICAN AND CARIBBEAN REGION**HAWAIIAN ISLANDS**

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
SAHW31	PWAK	PWAK
SAHW40	PHFO	PHNG,PHBK

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, KLGK,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

FTUS31 SAUS31	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,KPLB,KPOU,KPQI,KPSM,KPVD,KPWM,KRDG,KRDU,KRIC,KROA,KROC, KRWI,KSAY,KSAY,KSCH,KSLK,KSUF,KSUR,KTEB,KTOL,KTTN,KUCA,KWRI, KYNB,KZZV
FTUS32 SAUS32	KWBC	Southern US	KABI,KABQ,KABY,KAFT,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, KFLI,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,KPFI,KPIE,KPNS, KROW,KRSW,KSAT,KSFB,KSHV,KSJT,KSRQ,KSSI,KTCC,KTCL,KTCS,KTLH,KTPA, KTRI,KTUL,KTUP,KTXX,KTYS,KVCT,KVLD,KVRB,TIST,TISX,TJBQ,TJMZ, TJPS,TJSJ,TKPK,TNCM
FTUS33 SAUS33	KWBC	Central US	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,KGYG,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,KSAY,KSBN,KSDF,KSDM,KSGF,KSLN, KSPI,KSTC,KSTJ,KSTL,KSTP,KSUS,KSUX,KTVK,KUIN,KWRL,KYIP
FTUS34 SAUS34	KWBC	Western US	KACV,KALW,KBFI,KBFL,KBIL,KBKE,KBLI,KBOI,KBTM,KBUR,KBYI,KBZN,KCDC, KCEC,KCLM,KCTB,KCXL,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, KPMO,KPRB,KPRC,KPSP,KRBL,KRDD,KRDM,KRNO,KRNT,KSAC,KSAN,KSBA,KSBD, KSBP,KSCK,KSEA,NSFF,KSFO,KSHR,KSJC,KSLC,KSMF,KSMX,KSNA,KSNS,KTIW, KTUS,KTVL,KTWF,KUKI,KYKM,KYUM
FTUS35 SAUS35	KWBC	Pacific US/Alaska	PABR,PABT,PACV,PADL,PADU,PAEN,PAGA,PAGK,PAGY,PAIL,PAKN,PAKT,PASC, PASI,PATA,PAUN,PAVD,PHJH,PHMK,PMDY