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| --- | --- | --- |
| WORLD METEOROLOGICAL ORGANIZATION  COMMISSION FOR BASIC SYSTEMS  -----------------------------  FIRST MEETING OF  INTER-PROGRAMME EXPERT TEAM ON DATA REPRESENTATION MAINTENANCE AND MONITORING  TOKYO, JAPAN, 1 - 5 JULY 2013 |  | IPET-DRMM-I / Doc. 7.1.2 (5)  (25. 6. 2013)  -------------------------  ITEM 7.1.2  ENGLISH ONLY |

**Status of the Migration to TDCF in RA-V**

*Submitted by Weiqing Qu and Kelvin Wong*

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**Summary and Purpose of Document**

The migration status in the RA-V

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**ACTION PROPOSED**

The meeting is requested to note the information

**Capacity building plans migration to TDCF**

A detailed proposal has been submitted to AusAID in September 2012 under the Pacific Public Sector Linkages Program (PSLP). The concept of the proposed activities is to provide training and implementing systems for participation by Pacific countries in open and international exchange of meteorological information (TDCF).

The proposed activities are planned to build capacities in partner countries including Cook Islands, Fiji, Kiribati, Nauru, Niue, Papua New Guinea, Samoa, Solomon Islands, Tokelau, Tonga, Tuvalu and Vanuatu. In seeking support from the counterpart organisations in August 2012 the Australian Bureau of Meteorology received full support from a number of Member countries in the region including Cook Islands, Fiji, Kiribati, Niue, Samoa, Solomon Islands and Vanuatu.

The aim of the planned activity is to assist counterpart organisations to develop the capacity for full participation in WMO systems for transmitting and handling the weather, climate and environmental information that are vital for the sustainable economic development and mitigation of severe weather and natural disasters. The activity prepares partner countries to

* adopt the new arrangements under WIS for the future free and open international exchange of weather and climate information and products using a more comprehensive information service;
* implement TDCF data formats required to participate in the WMO coordinated international exchange of weather and climate related information, i.e. to migrate to Table Driven Code Form (TDCF) for the exchange of observed and predicted weather data and products.

The Theme Leaders of RA-V WG-INFR have been in close contacts with the WMO Secretariat, the Regional Office for Asia and the South-West Pacific (RAP), leading technical experts in other operational GISC centres in Asia and Europe, and CBS Expert Team members in WIS Centres (WISC) and Data Representation and Codes (DRC) and obtained their support and collaboration in various activities.

A RA-V training workshop has been held in Melbourne (BoM) from 29 April to 3 May 2013, with the main topic of migration to TDCF and WIS implementation. The participants include all RA-V countries; expect Brunei Darussalam and Timor-Leste. Two Pacific Island countries, who are not RA-V member, also participated the workshop.

**Status of migration to TDCF**

TDCF migration continued in RA-V. A status of migration for TAC data types CLIMAT, SYNOP, TEMP, PILOT, SHIP, BATHY, TESAC, TRACKOB, WAVEOB, AIREP and AMDAR as of April 2013 is summarised in the following table. Highlighted items are yet to be completed.

NWSTG commenced the operational exchange of TAC data types SYNOP, TEMP, PILOT, SHIP, TEMP DROP on 17 April 2013. The relevant TOC Data Management Notice is given in the Appendix. An attempt is made to compile the status of migration for FSM but the information is very incomplete due to the lack of WMO Volume C1 data catalogue for bulletins produced by RTH Washington and WIS DAR not being implemented as yet.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **CCCC Stn** | **TAC** | **WMO C1** | **Content** | **BUFR** | **WMO C1** | **DataCategory Sub-category** | **BUFR Table D** |
| AMMC | CSAA01 | YES | CLIMAT | ISCS01 | YES | 000/020 | 307073 |
|  | CSAU(01-10) | YES | CLIMAT | ISCK(01-10) | YES | 000/020 | 307073 |
|  | SMAA(01,80) | YES | SYNOP | ISMS(01,02) | YES | 000/002 | 307080 |
|  | SMAU\* | YES | SYNOP | ISMK(01-05) | YES | 000/002 | 307080 |
|  | SMNG(01,02) | YES | SYNOP | ISMG\* | YES | 000/002 | 307080 |
|  | SMPS\* | YES | SYNOP | ISMG\* | YES | 000/002 | 307080 |
|  | SMSO(01-03) | YES | SYNOP | ISMG\* | YES | 000/002 | 307080 |
|  | SIAA(21,80) | YES | SYNOP | ISIS(01,02) | YES | 000/001 | 307080 |
|  | SIAU\* | YES | SYNOP | ISIK(01-05) | YES | 000/001 | 307080 |
|  | SING(21,22) | YES | SYNOP | ISIG\* | YES | 000/001 | 307080 |
|  | SIPS(01,40) | YES | SYNOP | ISIG\* | YES | 000/001 | 307080 |
|  | SISO(21-23) | YES | SYNOP | ISIG\* | YES | 000/001 | 307080 |
|  | SNAU\* | YES | SYNOP | ISNK\* | YES | 000/000 | 307080 |
| 96995 | SNKI01 | YES | SYNOP | ISNG01 | YES | 000/000 | 307080 |
|  | SNNG(21,22) | YES | SYNOP | ISNG02 | YES | 000/000 | 307080 |
|  | SNPS(01,02,40) | YES | SYNOP | ISNG04 | YES | 000/000 | 307080 |
|  | SOV(A-F,J)01 | YES | BATHY | -- | -- | -- | -- |
|  | SOF(A-F,J)01 | YES | TESAC (ARGOS) | IOP(A,B,C,D,I,J,K,L)01 | YES | 031/004 | 315003 |
|  | SOF(A-F,J)02 | YES | TESAC (Iridium) | IOP(A,B,C,D,I,J,K,L)01 | YES | 031/004 | 315003 |
|  | SOV(A-F,J,X)02 | YES | TRACKOB | -- | -- | -- | -- |
|  | SMV(A-E,J)01 | YES | SHIP | -- | -- | -- | -- |
|  | S(I,N)(A-E,J)21 | YES | SHIP | -- | -- | -- | -- |
|  | SWWE01 | YES | WAVEOB | IOWK01 | YES | 031/002 | 308015 |
|  | U(S,K)AA01 U(L,E)AA01 | YES | TEMP(A,B) TEMP(C,D) | IUKS(01,11) IUSS(01,11) | YES | 002/004 | 309052 |
|  | U(S,K)AU(01-06) U(L,E)AU(01-06) | YES | TEMP(A,B) TEMP(C,D) | IUKK(01-06,11-16) IUSK(01-06,11-16) | YES | 002/004 | 309052 |
| 96996 | U(S,K)KK01 U(L,E)KK01 | YES | TEMP(A,B) TEMP(C,D) | IUKG(01,11) IUSG(01,11) | YES | 002/004 | 309052 |
| 94998 | U(S,K)MK01 U(L,E)MK01 | YES | TEMP(A,B) TEMP(C,D) | IUKK(07,17) IUSK(07,17) | YES | 002/004 | 309052 |
| 94996 | U(S,K)NF01 U(L,E)NF01 | YES | TEMP(A,B) TEMP(C,D) | IUKK(08,18) IUSK(08,18) | YES | 002/004 | 309052 |
|  | U(S,K)NG01 U(L,E)NG01 | YES | TEMP(A,B) TEMP(C,D) | IUKG(02,12) IUSG(02,12) | YES | 002/004 | 309052 |
| 91517 | U(S,K)SO01 U(L,E)SO01 | YES | TEMP(A,B) TEMP(C,D) | IUKG(03,13) IUSG(03,13) | YES | 002/004 | 309052 |
|  | U(P,G)AU(01-06) U(H,Q)AU(01-06) | YES | PILOT(A,B) PILOT(C,D) | IUWK(01-06,11-16) IUJK(01-06,11-16) | YES | 002/001 | 309050 |
| 94996 | UPNF01 UGNF21 UHNF01 UQNF01 | YES | PILOT(A) PILOT(B) PILOT(C) PILOT(D) | IUWK07 IUWK17 IUJK07 IUJK17 | YES | 002/001 | 309050 |
|  | UPNG01 UGNG21 UHNG01 UQNG01 | YES | PILOT(A) PILOT(B) PILOT(C) PILOT(D) | IUWG01 IUWG11 IUJG01 IUJG11 | YES | 002/001 | 309050 |
| 91517 | UPSO01 UGSO21 UHSO01 UQSO01 | YES | PILOT(A) PILOT(B) PILOT(C) PILOT(D) | IUWG02 IUWG12 IUJG02 IUJG12 | YES | 002/001 | 309050 |
|  | UAAU01 | YES | AIREP | -- | -- | -- | -- |
|  | UD\*\*01 | YES | AMDAR | -- | -- | -- | -- |
| NFFN | CSPS01 | YES | CLIMAT | -- | -- | -- | -- |
|  | SMFJ01 | YES | SYNOP | ISMS01 | YES | 000/002 | 307080 |
|  | SIFJ20 | YES | SYNOP | ISIS01 | YES | 000/001 | 307080 |
|  | USFJ01 | YES | TEMP(A) | IUKS01 | YES | 002/004 | 309052 |
|  | UKFJ01 | YES | TEMP(B) | IUKS11 | YES | 002/004 | 309052 |
|  | ULFJ01 | YES | TEMP(C) | IUSS01 | YES | 002/004 | 309052 |
|  | UEFJ01 | YES | TEMP(D) | IUSS11 | YES | 002/004 | 309052 |
|  | UPFJ01 | YES | PILOT(A) | IUWS01 | YES | 002/001 | 309050 |
|  | UGFJ20 | YES | PILOT(B) | IUWS11 | YES | 002/001 | 309050 |
|  | UHFJ01 | YES | PILOT(C) | IUJS01 | YES | 002/001 | 309050 |
|  | UQFJ20 | YES | PILOT(D) | IUJS11 | YES | 002/001 | 309050 |
| NSAP | SMZM01 | YES | SYNOP | -- | -- | -- | -- |
|  | SMZM02 | YES | SYNOP | ISMS02 | YES | 000/002 | 307080 |
|  | SIZM20 | YES | SYNOP | -- | -- | -- | -- |
|  | SIZM21 | YES | SYNOP | ISIS21 | YES | 000/001 | 307080 |
|  | SNZM21 | YES | SYNOP | ISNS21 | YES | 000/000 | 307080 |
| NTAA | CSPF01 | YES | CLIMAT | ISCS01 | YES | Never rcvd |  |
|  | SMPF01 | YES | SYNOP | ISMS01 | YES | 000/052 | 307096 |
|  | SIPF20 | YES | SYNOP | ISIS01 | YES | 000/052 | 307096 |
| 91925 | U(S,K)PF01 U(S,K,L,E)PF01 | YES | TEMP(A,B) TEMP(A,B,C,D) | IUSS(11,12,14,15) IUSS(01,02,04,05) | YES | 002/004 | 309052 |
| 91938 | U(S,K)PF02 U(S,K,L,E)PF02 | YES | TEMP(A,B) TEMP(A,B,C,D) | IUSS(11,12,14,15) IUSS(01,02,04,05) | YES | 002/004 | 309052 |
| 91958 | U(S,K)PF04 U(S,K,L,E)PF04 | YES | TEMP(A,B) TEMP(A,B,C,D) | IUSS(11,12,14,15) IUSS(01,02,04,05) | YES | 002/004 | 309052 |
| 91948 | U(S,K)PF05 U(S,K,L,E)PF05 | YES | TEMP(A,B) TEMP(A,B,C,D) | IUSS(11,12,14,15) IUSS(01,02,04,05) | YES | 002/004 | 309052 |
| 91945 | UPPF01 UGPF20 | YES | PILOT(A) PILOT(B) | -- | -- | -- | -- |
|  | U(P,G)PF40 | YES | PILOT(A,B) | -- | -- | -- | -- |
| NWBB | CSNC01 | NO | CLIMAT | -- | -- | -- | -- |
|  | SMNC(01,02) | YES | SYNOP | -- | -- | -- | -- |
|  | SMFW01 | YES | SYNOP | -- | -- | -- | -- |
|  | SINC(20,21) | YES | SYNOP | -- | -- | -- | -- |
|  | SIFW20 | YES | SYNOP | -- | -- | -- | -- |
|  | SNNC22 | YES | SYNOP | -- | -- | -- | -- |
| 91592 | U(S,K)NC01 U(S,K,L,E)NC01 | YES | TEMP(A,B) TEMP(A,B,C,D) | IUSS11 IUSS01 | YES | 002/004 | 309052 |
| NZKL | CSNZ01 | YES | CLIMAT | -- | -- | -- | -- |
|  | SMNZ01 | YES | SYNOP | ISMS01 | YES | 000/020 | 307080 |
|  | SMPS02 | YES | SYNOP | ISMJ02 | YES | 000/002 | 307080 |
|  | SINZ20 | YES | SYNOP | ISIS20 | YES | 000/002 | 307080 |
|  | SIPS21 | YES | SYNOP | ISIJ21 | YES | 000/002 | 307080 |
|  | SMVE01 | YES | SHIP | ISSS01 | YES | 001/000 | 308009 |
|  | SIVE20 | YES | SHIP | ISSS02 | YES | 001/000 | 308009 |
|  | SNVE20 | YES | SHIP | ISSS03 | YES | 001/000 | 308009 |
|  | USNZ02 | YES | TEMP(A) | IUKS01 | YES | 002/004 | 309052 |
|  | UKNZ02 | YES | TEMP(B) | IUKS11 | YES | 002/004 | 309052 |
|  | ULNZ02 | YES | TEMP(C) | IUSS01 | YES | 002/004 | 309052 |
|  | UENZ02 | YES | TEMP(D) | IUSS11 | YES | 002/004 | 309052 |
|  | UPNZ02 | YES | PILOT(A) | IUWS01 | YES | 002/001 | 309050 |
|  | UGNZ21 | YES | PILOT(B) | IUWS11 | YES | 002/001 | 309050 |
|  | UHNZ02 | YES | PILOT(C) | IUJS01 | YES | 002/001 | 309050 |
|  | UQNZ21 | YES | PILOT(D) | IUJS11 | YES | 002/001 | 309050 |
|  | UDOC01 | YES | AMDAR | IUAS01 | YES | 004/000 | 311008+ |
|  | UAPS01 | YES | AIREP | IUAS02 | YES | 004/001 | 311001 |
| RPMM | CSPH01 | YES | CLIMAT | ISCC01 | -- | -- | -- |
|  | SMPH(01,20) | YES | SYNOP | ISMC(01,20) | YES | 000/002 | 307080 |
|  | SIPH20 | YES | SYNOP | ISIC20 | YES | 000/002 | 307080 |
|  | SNPH20 | YES | SYNOP - TC | -- | -- | -- | -- |
|  | SMVX(01,02) | YES | SHIP | -- | -- | -- | -- |
|  | USPH(01,02) UPPH(01,02) | YES | TEMP(A) PILOT(A) | IUSC01 | YES | 000/002 | 309052 |
|  | UKPH(01,02) UGPH(20,21) | YES | TEMP(B) PILOT(B) | IUSC02 | YES | 000/002 | 309052 |
|  | ULPH(01,02) UHPH(01,02) | YES | TEMP(C) PILOT(C) | IUSC03 | YES | 000/002 | 309052 |
|  | UEPH(01,02) UQPH(20,21) | YES | TEMP(D) PILOT(D) | IUSC04 | YES | 000/002 | 309052 |
| WIIX | CSID01 | YES | CLIMAT | ISCG(01,20) | YES | 000/020 | 307073 |
|  | CSID20 | YES | CLIMAT | ISCG(01,20) | YES | 000/020 | 307073 |
|  | SMID(01,02,20,21) | YES | SYNOP | ISMG(01,02,20,21) | YES | 000/002 | 307080 |
|  | SIID(20-23) | YES | SYNOP | ISIG(20-23) | YES | 000/001 | 307080 |
|  | USID01 | YES | TEMP(A) | IUKG01 | YES | 002/004 | 309052 |
|  | UKID(01,02) | YES | TEMP(B) | IUKG11 | YES | 002/004 | 309052 |
|  | ULID01 | YES | TEMP(C) | IUSG01 | YES | 002/004 | 309052 |
|  | UEID01 | YES | TEMP(D) | IUSG11 | YES | 002/004 | 309052 |
|  | UPID(01,20) | YES | PILOT(A) | IUWG(01,02) | YES | 002/001 | 309050 |
|  | UGID(20,21) | YES | PILOT(B) | IUWG(11,12) | YES | 002/001 | 309050 |
|  | UHID01 | YES | PILOT(C) | IUJG01 | YES | 002/001 | 309050 |
|  | UQID01 | YES | PILOT(D) | IUJG11 | YES | 002/001 | 309050 |
| WMKK | CSMS(01,02) | YES | CLIMAT | -- | -- | -- | -- |
|  | SMMS01 | NO | SYNOP | ISMC01 | YES | 000/002 | 307080 |
|  | SIMS20 | NO | SYNOP | ISIC20 | YES | 000/001 | 307080 |
|  | SMVE01 | YES | SHIP | -- | -- | Never rcvd | -- |
|  | SMVE20 | YES | PLATFORM | -- | -- | Never rcvd | -- |
|  | U(S,K,L,E)MS(01,02) | YES | TEMP | -- | -- | -- | -- |
|  | U(P,H)MS(01,02) | YES | PILOT(A,C) | -- | -- | -- | -- |
|  | U(G,Q)MS((20,21) | YES | PILOT(B,D) | -- | -- | -- | -- |
| WSSS | CSSR01 | YES | CLIMAT | ISCG01 | YES | 000/020 | 307073 |
|  | SMSR01 | YES | SYNOP | ISMG01 | YES | 000/002 | 307080 |
|  | SISR20 | YES | SYNOP | ISIG20 | YES | 000/001 | 307080 |
|  | SMVX01 | YES | SHIP | ISSX01 | YES | 001/000 | 308009 |
|  | UAAE01 | YES | AIREP | IUAX01 | YES | 004/020 | 311005 |
|  | U(S,K,L,E)SR01 | YES | TEMP | IUSG01 | YES | 002/004 | 309052+ |
|  | U(P,G,H,Q)\*\* | YES | PILOT | IUJG01 | YES | 002/001 | 309050+ |
|  | UPSR01 UGSR20 | YES | PILOT(A) PILOT(B) | IUWG01 | YES | 002/001 | 309050 |
| PTYA | Yap |  |  |  |  |  |  |
| 91413 | SMKA(01,02) | NO | SYNOP | ISMC(01,02) | NO | 000/002 | 307080 |
|  | U(S,M,F)KA40 | NO | TEMP/PILOT | IU(S,K)C40 TEMP | NO | 002/004 | 309052 |
|  | S=TEMP(A) |  |  | IU(J,W)C40 PILOT | NO | 002/001 | 309051 |
|  | M=TEMP,PILOT(B) |  |  |  |  |  |  |
|  | F=TEMP(C,D), PILOT(D) |  |  |  |  |  |  |
| PTKK | Chuuk |  |  |  |  |  |  |
| 91334 | SMKK01 | NO | SYNOP | ISMC01 | NO | 000/002 | 307080 |
| PTTP | Pohnpei |  |  |  |  |  |  |
| 91348 | SMKA(01,02) | NO | SYNOP | ISMC01 | NO | 000/002 | 307080 |
|  | U(S,M,F)KA40 | NO | TEMP/PILOT | IU(S,K)C40 TEMP | NO | 002/004 | 309052 |
|  | S=TEMP(A) |  |  | IU(J,W)C40 PILOT | NO | 002/001 | 309051 |
|  | M=TEMP,PILOT(B) |  |  |  |  |  |  |
|  | F=TEMP(C,D), PILOT(D) |  |  |  |  |  |  |

**Appendix**

## DM04-13.02 EXPERIMENTAL TO OPERATIONAL EXCHANGE OF CONVERTED TAC DATA TYPES TO BUFR (CORRECTION TO DM04-13.01). Effective: 4 April 2013 EFFECTIVE IMMEDIATLEY UTC



NOXX10 KWBC 181130

DATA MGT MESSAGE 04-13.02

TO AWIPS/NOAAPORT USERS.. FAMILY OF SERVICES/FOS/SUBSCRIBERS...

EMERGENCY MANAGERS WEATHER INFORMATION NETWORK /EMWIN/

NATIONAL WEATHER SERVICE /NWS/ CUSTOMERS... WAFS USERS...

GTS USERS... NWS FAX CHART USERS

FROM RTH WASHINGTON DATA MANAGEMENT

SUBJECT EXPERIMENTAL TO OPERATIONAL EXCHANGE OF CONVERTED TAC DATA

TYPES TO BUFR /CORRECTION TO DM04-13.01/.

EFFECTIVE 17 APRIL 2013

AS PART OF THE UNITED STATES BUFR MIGRATION WE WILL BEGIN THE

OPERATIONAL EXCHANGE OF THE FOLLOWING TAC DATA TYPES/SYNOP/TEMP/

PILOT/SHIP AND TEMP DROP BEGINNING APRIL 17 2013. WE WILL CONTINUE

TO RUN THE TAC VERSION THROUGHOUT THE EXPERIMENTAL WHICH WILL LAST

OCTOBER 2013 FOR SYNOP/APRIL 2013 FOR TEMP..PILOT/APRIL 2014 SHIP

AND APRIL 2014 FOR TEMP DROP WHICH WILL BECOME OPERTIONAL ON THE

LISTED DATES INDICATED.

THE TAC PRODUCTS WILL RUN IN PARALLEL WITH THE OPERATIONAL BUFR

PRODUCTS INDEFINITELY OR DEEMED NO LONGER OPERATIONAL.

THE WMO HEADINGS LISTED BELOW REPRESENT THE BUFR VERSION OF THE

DATA TYPES LISTED ABOVE.

ISIA20 KWBC

ISIA21 KWBC

ISIB21 KWBC

ISIB22 KWBC

ISID01 KWBC

ISID02 KWBC

ISIF80 KWBC

ISII01 KARS

ISII01 KWBC

ISII41 KPAL

ISIJ01 KARS

ISIJ80 KWBC

ISIK01 KARS

ISIK14 KARS

ISIL01 KARS

ISIN20 KWBC

ISIN21 KWBC

ISIN22 KWBC

ISIS01 KARS

ISIX01 KARS

ISIX80 KWBC

ISMA01 KWBC

ISMA02 KWBC

ISMA71 KWBC

ISMA72 KWBC

ISMA73 KWBC

ISMB70 KWBC

ISMB71 KWBC

ISMB73 KWBC

ISMC01 KWBC

ISMC01 PKMR

ISMC01 PTKK

ISMC01 PTKR

ISMC01 PTTP

ISMC01 PTYA

ISMC02 PKMR

ISMC02 PTYA

ISMC20 KWBC

ISMC70 KWBC

ISMD01 KWBC

ISMD02 KWBC

ISMF80 KWBC

ISMI01 KARS

ISMI01 KWBC

ISMI41 KPAL

ISMJ01 KARS

ISMJ80 KWBC

ISMK01 KARS

ISMK14 KARS

ISML01 KARS

ISMN01 KWBC

ISMN70 KWBC

ISMN71 KWBC

ISMN73 KWBC

ISMS01 KARS

ISMX01 KARS

ISMX80 KWBC

ISNF80 KWBC

ISNI01 KARS

ISNI01 KWBC

ISNJ01 KARS

ISNJ80 KWBC

ISNK01 KARS

ISNK14 KARS

ISNL01 KARS

ISNS01 KARS

ISNX01 KARS

ISNX80 KWBC

ISSA01 KWBC

ISSA01 PANC

ISSA11 KWBC

ISSA15 KWNB

ISSA20 KWNB

ISSA21 KHAF

ISSA30 KWBC

ISSA31 KWBC

ISSA45 KWNB

ISSA70 KWBC

ISSA71 KWBC

ISSA72 KWBC

ISSA80 KWBC

ISSA80 KWUM

ISSB01 KWBC

ISSB01 PANC

ISSB11 KWBC

ISSB15 KWNB

ISSB17 KWNB

ISSB19 KWNB

ISSB21 KHAF

ISSB22 KWNB

ISSB30 KWBC

ISSB31 KWBC

ISSB70 KWBC

ISSB71 KWBC

ISSB72 KWBC

ISSB80 KWBC

ISSC01 KWBC

ISSC01 PANC

ISSC15 KWNB

ISSC17 KWNB

ISSC19 KWNB

ISSC21 KHAF

ISSC30 KWBC

ISSC70 KWBC

ISSD01 KWBC

ISSD01 PANC

ISSD21 KHAF

ISSD30 KWBC

ISSD70 KWBC

ISSE01 KWBC

ISSE01 PANC

ISSE21 KHAF

ISSE30 KWBC

ISSE70 KWBC

ISSF01 KWBC

ISSF01 PANC

ISSF70 KWBC

ISSG01 KWBC

ISSG01 PANC

ISSG21 KHAF

ISSG30 KWBC

ISSG70 KWBC

ISSH01 KWBC

ISSH01 PANC

ISSH21 KHAF

ISSH30 KWBC

ISSH70 KWBC

ISSI01 KWBC

ISSI01 PANC

ISSI17 KWNB

ISSI30 KWBC

ISSI70 KWBC

ISSJ01 KWBC

ISSJ01 PANC

ISSJ17 KWNB

ISSJ30 KWBC

ISSJ70 KWBC

ISSJ80 KWUM

ISSK01 KWBC

ISSK01 PANC

ISSK21 KHAF

ISSK30 KWBC

ISSK70 KWBC

ISSL01 KWBC

ISSL01 PANC

ISSL21 KHAF

ISSL30 KWBC

ISSL70 KWBC

ISSN01 KWBC

ISSN01 PANC

ISSN11 KWBC

ISSN15 KWNB

ISSN17 KWNB

ISSN30 KWBC

ISSN31 KWBC

ISSN70 KWBC

ISSN71 KWBC

ISSN72 KWBC

ISSN80 KWBC

ISSS01 KWBC

ISSS01 PANC

ISSS17 KWNB

ISSS30 KWBC

ISSS70 KWBC

ISSS80 KWUM

ISST01 KWBC

ISST01 PANC

ISST30 KWBC

ISST70 KWBC

ISSX01 PANC

IUDA13 KNHC

IUDB13 KNHC

IUJA07 KWBC

IUJA50 KWBC

IUJA60 KWBC

IUJB01 KWBC

IUJB02 KWBC

IUJB17 PANT

IUJB17 PAYA

IUJB18 PABE

IUJB18 PACD

IUJB18 PADQ

IUJB18 PAFC

IUJB18 PAKN

IUJB19 PABR

IUJB19 PAFA

IUJB19 PAOM

IUJB19 PAOT

IUJB40 KBWL

IUJB40 PHLI

IUJB40 PHTO

IUJB47 PANT

IUJB47 PAYA

IUJB48 PABE

IUJB48 PACD

IUJB48 PADQ

IUJB48 PAFC

IUJB48 PAKN

IUJB49 PABR

IUJB49 PAFA

IUJB49 PAOM

IUJB49 PAOT

IUJB50 KWBC

IUJC40 PGUM

IUJC40 PKMR

IUJC40 PTTP

IUJC40 PTYA

IUJN02 KWBC

IUJN50 KWBC

IUKA01 KWBC

IUKA02 KWBC

IUKA03 KWBC

IUKA07 KWBC

IUKA40 KWBC

IUKA41 KWBC

IUKA50 KWBC

IUKA80 KWBC

IUKB01 KWBC

IUKB02 KWBC

IUKB40 KBWL

IUKB47 PANT

IUKB47 PAYA

IUKB48 PABE

IUKB48 PACD

IUKB48 PADQ

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IUKB48 PAKN

IUKB49 PAFA

IUKB49 PAOM

IUKB49 PAOT

IUKB50 KWBC

IUKB80 KWBC

IUKC01 KWBC

IUKC02 KWBC

IUKC40 PTYA

IUKC80 KWBC

IUKE42 KWBC

IUKF01 KWBC

IUKG02 KBWL

IUKG02 KWBC

IUKG40 KBWL

IUKI01 KWBC

IUKI40 KWBC

IUKI42 KWBC

IUKJ01 KWBC

IUKJ42 KWBC

IUKK01 KWBC

IUKN01 KWBC

IUKN50 KWBC

IUKN80 KWBC

IUKS01 KWBC

IUKX50 KWBC

IUKX80 KWBC

IUSA01 KWBC

IUSA02 KWBC

IUSA03 KWBC

IUSA07 KWBC

IUSA41 KWBC

IUSA50 KWBC

IUSB01 KWBC

IUSB02 KWBC

IUSB40 KBWL

IUSB40 KWBC

IUSB40 PHLI

IUSB40 PHTO

IUSB47 PANT

IUSB47 PAYA

IUSB48 PABE

IUSB48 PAFC

IUSB48 PAKN

IUSB49 PAFA

IUSB49 PAOM

IUSB50 KWBC

IUSB80 KWBC

IUSC01 KWBC

IUSC02 KWBC

IUSC40 PKMR

IUSC40 PTTP

IUSC40 PTYA

IUSD33 KWBC

IUSE40 KWBC

IUSE42 KWBC

IUSF01 KWBC

IUSG02 KBWL

IUSG02 KWBC

IUSG40 KBWL

IUSI01 KWBC

IUSI40 KWBC

IUSI42 KWBC

IUSJ01 KWBC

IUSJ42 KWBC

IUSK01 KWBC

IUSN01 KWBC

IUSN02 KWBC

IUSN50 KWBC

IUSN80 KWBC

IUSS01 KWBC

IUSX50 KWBC

IUWA07 KWBC

IUWA50 KWBC

IUWA60 KWBC

IUWB01 KWBC

IUWB02 KWBC

IUWB17 PANT

IUWB17 PAYA

IUWB18 PABE

IUWB18 PACD

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IUWB40 KBWL

IUWB40 PHLI

IUWB40 PHTO

IUWB47 PAYA

IUWB48 PAKN

IUWB49 PAOM

IUWB50 KWBC

IUWC02 KWBC

IUWC40 PKMR

IUWC40 PTTP

IUWC40 PTYA

IF YOU DO NOT WISH TO RECEIVE THESE PRODUCTS AT THIS TIME PLEASE

LET US KNOW.

FOR FOS/NOAAPORT AND NON-AWIPS CUSTOMERS - IF YOU HAVE ANY

QUESTIONS REGARDING ROUTING OR WOULD LIKE TO ADD THESE

PRODUCTS TO YOUR DATASTREAM PLEASE CONTACT.

DATA MANAGEMENT

THIS INFORMATION IS ALSO POSTED ON THE NWS DATA MANAGEMENT

CHANGE NOTICES WEB PAGE. THE URL IS LISTED BELOW.

http://www.nws.noaa.gov/datamgmt/notices.shtml

DATA MANAGEMENT

TELECOMMUNICATION OPERATIONS CENTER

RTH WASHINGTON SENDS

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