



Agenda Item 6: Other business

Application of ICARD System

(Presented by the Secretariat)

SUMMARY	
This working paper requests information from States regarding the decisions on duplication of codes adopted in the Meeting to ensure safety.	
References:	
<ul style="list-style-type: none">• Annex 15 to the Convention on International Civil Aviation• SAM/AIM Multilateral Meetings	
ICAO Strategic Objectives:	<i>A - Safety</i> <i>B – Air navigation capacity and efficiency</i> <i>E – Environmental protection</i>

1 Background

1.1 With regard to this issue, the Secretariat, during SAM/AIM/6 Meeting (November 2014), addressed the use of the ICARD system for the allocation of 5LNC designators, indicating that the procedure to be followed by each State of these designators, not always goes with the necessary process for its application generating duplication, proximity or phonetics similar to other close designators, which causes a negative impact to on board or ground systems.

1.2 On the other hand, IATA presented in SAM/AIM/6 Meeting a list of duplicate codes in the SAM Region and adjacent regions. These duplications also have phonetics similarities.

2 Analysis

2.1 The SAM/AIM/6 Meeting, when analyzing this matter, agreed that each State should make an analysis and proceed to change by a 5LNC designator the new duplicated code. The Secretariat informed that there is no time to resolve who has used the first code and consequently, if the duplication exists, the impact on safety should be promptly eliminated.

2.2 It was also recognized that these codes are probably applied to domestic routes, but however, taking into consideration that several airlines of the Region also operate domestic flights with their aircraft in several States, it is necessary to take the provisions and proceed to allocate codes of the ICARD System and urgently change the duplicates.

2.3 During the SAM/AIM/6 Meeting it was decided to implement a first phase of purification, allocation and validation of 5LNC designators, which could finalize on **1 March 2015**.

2.4 In addition, the States participating in the meeting evaluated the scope of these changes and the processes to be taken into account, concluding that the most appropriate target date for the publication should be one **AIP Supplement** or one **AIP Amendment**, which would be **23 July 2015**.

2.5 Based on the above, the meeting proposed **the effective date for these changes as of 17 September 2015**. In this way, the providers of these data would have enough time to make the necessary corrections and the users to load the database in their aircraft.

3 **Suggested action**

3.1 The Meeting is invited to:

- a) inform, in accordance with the above mentioned planning, on the actions taken by the States to avoid negative impacts in safety, taking into account **Appendix A** to this working paper, which presents the duplicated codes provided by IATA.

Waypoint	ICAO	Latitude	Longitude	Enroute/Terminal
AKROX	SB	S 20 16 3060	W 054 07 1980	E
AKROX	SL	S 17 43 4242	W 063 04 4539	T
AKSIN	SY	N 06 21 3339	W 058 23 3573	T
AKSIN	SB	S 13 37 1920	W 039 35 5520	T
AKVUL	SA	S 50 42 3800	W 069 32 1800	E
AKVUL	SK	N 04 40 3032	W 074 06 0525	T
ALDAX	SC	S 18 21 0000	W 072 28 2000	E
ALDAX	SP	S 02 56 2900	W 076 00 0400	E
ALVAR	SB	S 10 29 3900	W 049 54 0660	E
ALVAR	SV	N 10 19 2348	W 068 03 5086	T
AMERO	SB	S 26 08 3780	W 049 27 5820	E
AMERO	SE	S 03 24 0000	W 083 46 2400	E
ANDAK	SP	S 14 05 0300	W 073 31 1600	E
ANDAK	SC	S 30 14 3708	W 071 07 0884	E
ANDAN	SV	N 08 52 3310	W 069 55 3866	T
ANDAN	SU	S 33 47 4100	W 056 12 0900	E
ANGOL	SB	S 15 49 2460	W 054 01 0360	E
ANGOL	SC	S 37 40 3000	W 072 42 3000	E
ANPAK	SC	S 39 24 1595	W 073 05 4306	T
ANPAK	SU	S 34 54 4949	W 056 01 4746	T
ARC01	SP	S 05 08 5791	W 080 34 4758	T
ARC01	SC	S 20 27 4853	W 070 13 0977	T
ARENA	SB	S 21 01 3600	W 044 46 5700	E
ARENA	SP	S 10 18 2300	W 077 47 0200	E
ARGOS	SC	S 45 15 4037	W 071 54 3839	E
ARGOS	SB	S 19 51 0540	W 057 25 2040	E
ARNAK	SV	N 10 55 2039	W 063 55 0901	T
ARNAK	SC	S 36 15 2544	W 072 07 2862	E
ARTOL	SV	N 10 02 0747	W 069 24 1698	T
ARTOL	SC	S 22 38 4469	W 068 47 5748	T
ARTUX	SP	S 11 23 4050	W 076 28 4530	E
ARTUX	SK	N 05 53 1700	W 075 48 4300	E
ASETI	SC	S 36 16 3021	W 071 52 3581	T
ASETI	SV	N 09 23 5529	W 069 07 2207	T
ASGAR	SP	S 08 17 3188	W 078 59 5313	T
ASGAR	SK	N 00 54 2500	W 076 42 2500	E
ASIVI	SK	N 11 05 2948	W 074 44 2186	T
ASIVI	SV	N 10 53 3694	W 063 44 4587	T
ATABA	SA	S 36 45 2900	W 057 12 4600	E
ATABA	SV	N 04 29 2800	W 067 47 1600	E
ATOGO	SV	N 08 18 2591	W 062 43 1860	T
ATOGO	SP	S 10 11 4900	W 078 00 3800	E
BAGRE	SV	N 10 16 3108	W 066 54 5107	T
BAGRE	SC	S 23 27 1200	W 070 48 0800	E
BAHIA	SC	S 20 19 4980	W 070 12 1228	T
BAHIA	SV	N 11 32 5900	W 064 10 0100	E

BAZA	SB	S 02 23 2940	W 044 03 3660	T
BAZA	SB	S 04 14 2155	W 070 01 4913	T
BISUL	SK	N 03 56 1500	W 076 09 2812	E
BISUL	SA	S 43 31 2200	W 053 00 0000	E
BITAG	SA	S 31 21 4900	W 068 25 0200	E
BITAG	SL	S 11 49 1400	W 068 21 3900	E
BUVIM	SB	S 20 10 1260	W 040 13 4440	T
BUVIM	SA	S 37 24 0000	W 064 30 5100	E
CF007	SB	S 19 26 0470	W 044 09 0900	T
CF007	SC	S 22 29 4732	W 068 55 5167	T
CG001	SK	N 10 29 3069	W 075 30 3929	T
CG001	SB	S 21 09 3900	W 053 49 5820	T
DABUL	SA	S 31 46 5200	W 068 24 4400	E
DABUL	SP	S 13 41 5200	W 072 53 1200	E
DAGEM	SV	N 10 14 5900	W 071 45 4200	E
DAGEM	SL	S 11 21 4100	W 068 36 2400	E
DAGEN	SC	S 37 20 2266	W 073 03 2203	E
DAGEN	SB	S 19 03 5460	W 044 10 2880	E
DALMA	SV	N 08 45 3100	W 071 46 4000	T
DALMA	SB	S 10 12 5100	W 041 27 5520	E
DALNA	SP	S 11 55 0600	W 077 09 5500	T
DALNA	SK	N 04 19 3546	W 073 29 0643	T
DOGTA	SK	N 04 03 3700	W 073 50 2800	E
DOGTA	SB	S 02 43 4500	W 043 34 4740	E
DOKTO	SC	S 39 01 5312	W 072 39 4760	T
DOKTO	SB	S 22 06 1536	W 042 21 5262	T
DOLGA	SK	S 03 42 1266	W 070 03 3775	T
DOLGA	SP	S 05 44 2200	W 081 53 2300	E
DOLTO	SC	S 23 30 3635	W 070 32 1284	T
DOLTO	SB	N 03 09 0600	W 060 46 3180	T
DOTKI	SK	S 04 09 4124	W 069 55 5033	T
DOTKI	SB	S 11 36 1980	W 062 30 1020	E
EDRON	SA	S 38 54 2400	W 066 07 1900	E
EDRON	SC	S 30 47 4131	W 071 09 0646	E
EDVAR	SB	S 06 28 3960	W 039 14 4680	E
EDVAR	SK	N 10 05 5000	W 074 00 4800	E
EGISA	SV	N 10 01 4657	W 069 26 3149	T
EGISA	SK	N 08 50 5400	W 074 30 2100	E
EKEGO	SV	N 10 06 0162	W 064 41 0207	T
EKEGO	SP	S 06 36 3650	W 079 48 1990	T
EKETU	SV	N 09 53 5379	W 069 30 3412	T
EKETU	SC	S 20 25 2685	W 070 12 5789	T
ELARI	SP	S 08 16 4847	W 079 10 1429	T
ELARI	SK	S 04 04 5144	W 070 04 4339	E
ENLUS	SB	S 08 53 3420	W 036 02 5640	E
ENLUS	SC	S 21 53 3510	W 070 13 1635	E
ENSAR	SB	S 22 51 3420	W 043 28 5280	T

ENSAR	SK	N 07 08 1200	W 074 25 5800	E
ENTIR	SU	S 34 32 1489	W 057 35 0894	T
ENTIR	SL	S 17 45 5923	W 063 03 0996	T
ERISO	SV	N 10 15 4890	W 066 59 1638	T
ERISO	SC	S 18 22 1000	W 069 47 4900	E
ESEDA	SK	N 09 01 1800	W 077 25 0000	E
ESEDA	SA	S 44 59 4400	W 068 03 4600	E
ESETA	SP	S 11 56 4300	W 072 55 3700	T
ESETA	SU	S 34 43 4208	W 055 51 0197	T
ESMEL	SB	S 27 45 2203	W 048 24 0702	T
ESMEL	SL	S 20 30 5700	W 064 18 0600	E
ESPIN	SA	S 44 59 1600	W 066 41 5600	E
ESPIN	SB	S 20 55 4800	W 054 54 5280	E
ETEXU	SB	S 20 00 4260	W 054 57 5700	E
ETEXU	SU	S 32 08 4400	W 056 28 3200	E
GARCI	SB	S 24 56 5820	W 049 41 3600	E
GARCI	SV	N 06 51 3900	W 069 58 1200	E
GARZA	SV	N 08 27 0853	W 070 11 1837	T
GARZA	SP	S 10 58 3900	W 077 08 0500	T
GARZA	SG	S 25 06 5178	W 057 29 1105	T
GAVOS	SA	S 36 19 1800	W 062 11 2700	E
GAVOS	SL	S 17 58 1400	W 061 47 5600	E
GAVOT	SO	N 04 45 3500	W 052 28 5500	T
GAVOT	SA	S 45 44 5500	W 067 11 2300	T
GOLFO	SB	S 16 51 1080	W 044 44 1680	E
GOLFO	SV	N 11 01 1300	W 071 12 1100	E
GUARI	SB	S 18 34 4380	W 048 21 5880	E
GUARI	SG	S 25 56 4800	W 057 01 2400	E
ILNOP	SK	N 04 49 2638	W 075 52 3806	T
ILNOP	SB	S 14 16 3060	W 039 26 5340	E
ILPUR	SB	S 12 52 1320	W 042 43 4740	E
ILPUR	SG	S 22 42 0200	W 059 58 5000	E
ILTAP	SK	N 05 18 1000	W 072 17 5500	T
ILTAP	SB	S 14 17 1260	W 054 28 2940	E
IRULI	SB	S 14 39 1200	W 049 14 2460	E
IRULI	SC	S 20 22 2070	W 070 45 0945	E
ISAMA	SC	S 20 14 4872	W 070 12 1752	T
ISAMA	SB	S 20 25 2280	W 049 09 5160	E
ISIVA	SP	S 03 50 5500	W 074 52 1200	T
ISIVA	SB	S 02 23 0000	W 059 59 2580	E
ISKAD	SB	S 15 30 2580	W 055 57 3960	T
ISKAD	SB	S 10 59 2640	W 036 59 3500	T
ISOVA	SV	N 11 30 0648	W 069 51 3717	T
ISOVA	SC	S 33 16 5894	W 070 48 3055	T
ISUSO	SB	S 07 13 4200	W 035 56 2040	E
ISUSO	SK	N 03 53 1800	W 071 42 2000	E
ITAMA	SV	N 08 57 2300	W 063 20 1900	E

ITAMA	SB	S 14 13 2737	W 058 03 5029	E
KABET	SL	S 17 30 4681	W 063 20 2705	T
KABET	SB	S 12 59 3960	W 043 02 1920	E
KABOS	SP	S 08 09 2362	W 079 04 0934	T
KABOS	SK	N 03 57 2300	W 076 36 4900	E
KALER	SU	S 34 50 2926	W 055 02 2997	T
KALER	SC	S 33 31 5336	W 070 47 4238	E
KALER	SB	S 19 57 2940	W 051 56 4800	E
KETUL	SA	S 31 26 3600	W 063 50 3900	E
KETUL	SB	S 17 04 0300	W 049 07 5520	E
KEVER	SK	N 04 34 2794	W 075 38 5516	T
KEVER	SB	S 04 25 3960	W 038 41 0840	E
KEVUM	SC	S 36 56 5374	W 073 09 5596	T
KEVUM	SB	S 30 13 5220	W 051 51 5040	E
KILEV	SA	S 39 38 0400	W 065 12 3100	E
KILEV	SL	S 10 58 5400	W 069 06 0400	E
KIMAM	SL	S 11 10 0000	W 069 00 0000	T
KIMAM	SV	N 08 04 2017	W 063 36 4073	T
KODSA	SB	S 12 42 1860	W 038 51 4920	E
KODSA	SL	S 11 06 1800	W 065 18 5600	E
KOGLO	SB	S 19 03 5460	W 044 10 2820	T
KOGLO	SK	N 03 26 5191	W 076 23 5369	T
KOKTI	SB	S 06 55 3780	W 041 51 0420	E
KOKTI	SE	S 02 18 1600	W 077 57 0000	E
KOLMI	SB	S 19 40 5400	W 043 55 2760	T
KOLMI	SP	S 05 18 0400	W 080 38 2000	T
KOMBO	SK	N 05 59 3500	W 073 39 5300	E
KOMBO	SB	S 20 01 5700	W 045 03 1320	E
KORAN	SB	S 13 55 2580	W 046 04 1980	E
KORAN	SL	S 17 16 1900	W 065 35 1600	E
KOVAK	SA	S 41 14 3000	W 071 01 3000	T
KOVAK	SK	N 12 20 1400	W 075 15 4400	E
KOVOS	SC	S 38 53 1654	W 072 28 1685	T
KOVOS	SB	S 28 55 0420	W 049 47 4860	E
KUKAS	SP	S 08 03 1100	W 074 28 5900	T
KUKAS	SC	S 22 29 2792	W 069 00 3328	T
LENOS	SV	N 09 12 0500	W 066 05 5400	E
LENOS	SC	S 39 45 0400	W 072 31 2699	E
LIMON	SC	S 22 38 0900	W 069 07 3200	T
LIMON	SV	N 10 18 3527	W 067 05 0365	T
LITUX	SB	S 00 24 2640	W 061 42 2520	E
LITUX	SC	S 24 46 5600	W 069 05 3600	E
LOMUN	SC	S 23 42 5801	W 070 28 4197	T
LOMUN	SV	N 10 39 3386	W 066 48 1645	T
LUCIA	SV	N 10 18 1564	W 066 39 4455	T
LUCIA	SA	S 26 34 1600	W 054 48 5600	E
MAGDA	SL	S 14 03 4400	W 064 31 2300	E

MAGDA	SB	S 15 41 5100	W 055 25 2040	E
MALPO	SC	S 22 24 5066	W 068 39 5358	T
MALPO	SB	S 20 22 0540	W 043 28 5580	E
MALTU	SB	S 17 52 1920	W 046 22 0720	E
MALTU	SC	S 39 24 0600	W 072 43 5900	E
MANSU	SC	S 42 15 0063	W 073 42 2065	T
MANSU	SB	S 08 04 3060	W 036 23 0300	E
MAPMI	SK	N 05 43 2100	W 075 15 1396	T
MAPMI	SB	S 21 29 5160	W 045 33 5460	E
MARIA	SB	S 27 57 2679	W 050 09 2391	T
MARIA	SL	S 22 00 0000	W 063 00 0000	E
MATKA	SC	S 37 02 2002	W 073 13 0697	T
MATKA	SB	S 21 16 0780	W 049 18 5640	E
MILOG	SK	N 03 57 1213	W 071 24 3687	T
MILOG	SB	S 22 35 1740	W 040 42 1020	E
MORPA	SC	S 32 35 0718	W 070 49 2358	T
MORPA	SB	S 22 47 0180	W 047 46 3240	E
MOVTA	SB	S 04 25 4380	W 045 19 3180	E
MOVTA	SK	S 04 11 5016	W 069 50 1368	E
MUBEN	SA	S 33 03 1100	W 068 37 0500	T
MUBEN	SU	S 34 53 3008	W 056 07 0630	T
MUDOL	SC	S 39 33 2510	W 073 05 2293	T
MUDOL	SB	S 18 13 1800	W 043 26 5700	E
MUGOM	SB	S 21 43 1980	W 047 12 2640	E
MUGOM	SP	S 16 17 4600	W 072 59 4800	E
MUGOP	SB	S 21 02 5700	W 046 51 4620	E
MUGOP	SK	N 05 50 4300	W 075 03 0900	E
MULUX	SK	N 04 41 3372	W 074 07 2902	T
MULUX	SB	S 18 25 3240	W 048 14 2520	E
MUPET	SP	S 15 08 1300	W 070 24 5300	E
MUPET	SB	S 15 52 0180	W 051 09 3840	E
NAXUP	SB	S 23 51 1500	W 046 27 1020	T
NAXUP	SK	N 06 25 3900	W 072 43 1300	E
NAXUR	SB	S 07 03 3720	W 049 19 1920	E
NAXUR	SE	S 00 55 0800	W 084 41 0400	E
NEBAL	SC	S 45 51 0296	W 071 23 2720	T
NEBAL	SB	S 17 26 2700	W 050 19 3960	E
NEDAX	SA	S 38 42 4900	W 067 34 3300	E
NEDAX	SC	S 52 04 5646	W 072 01 2408	E
NEKOR	SV	N 10 21 2700	W 071 38 3549	T
NEKOR	SC	S 39 15 1476	W 073 04 5250	E
NESNI	SK	N 05 34 5200	W 073 33 3800	E
NESNI	SB	S 01 54 1380	W 052 48 5520	E
NILKI	SG	S 24 39 2300	W 056 52 1000	E
NILKI	SB	S 04 18 1740	W 031 10 5400	E
NILNI	SB	S 04 33 2520	W 058 45 0120	E
NILNI	SK	N 07 31 4700	W 073 29 2300	E

OBGOL	SP	S 12 09 3000	W 077 02 4900	T
OBGOL	SV	N 08 17 0419	W 062 46 0751	T
OGRIS	SL	S 18 47 2945	W 057 50 4527	T
OGRIS	SU	S 34 52 0017	W 056 04 3841	T
OPMEL	SV	N 08 26 1776	W 070 04 0680	T
OPMEL	SK	N 06 44 1200	W 075 57 1100	E
OPRIX	SB	N 01 33 5880	W 060 03 0180	E
OPRIX	SA	S 30 13 3700	W 060 09 3200	E
ORUMA	SL	S 11 13 4558	W 068 43 5634	T
ORUMA	SG	S 24 55 2400	W 057 39 0000	T
OSTRA	SB	S 29 20 5160	W 055 32 5040	E
OSTRA	SC	S 28 30 0000	W 105 00 0000	E
OSTRA	SV	N 11 13 1710	W 063 21 1920	E
OSUSO	SV	N 12 00 5121	W 066 31 4563	T
OSUSO	SA	S 33 14 1500	W 063 41 3900	E
PABUX	SK	N 05 29 4482	W 076 31 1432	T
PABUX	SB	S 01 21 4680	W 060 48 0600	E
PAGOM	SV	N 11 59 1905	W 066 26 5419	T
PAGOM	SC	S 36 41 4671	W 072 41 5063	E
PALOV	SP	S 07 02 3110	W 079 47 1070	T
PALOV	SK	N 03 18 5691	W 076 19 3279	E
PALUR	SC	S 39 24 0544	W 072 57 5882	T
PALUR	SV	N 09 33 1835	W 069 01 1332	T
PANEX	SB	S 15 31 0720	W 046 02 2040	E
PANEX	SC	S 37 45 5947	W 073 05 3488	E
PLAZA	SL	S 17 07 5100	W 067 31 4300	E
PLAZA	SE	S 02 55 4500	W 078 22 1800	E
PORGA	SV	N 10 28 2300	W 064 33 1300	E
PORGA	SB	S 18 40 4560	W 038 14 3420	E
POTBA	SB	S 21 02 5100	W 047 48 1440	T
POTBA	SK	S 01 57 4100	W 070 50 3500	E
POTRO	SB	S 08 48 3000	W 035 25 4500	E
POTRO	SA	S 40 03 1000	W 064 45 3300	E
PRADO	SB	S 25 26 5214	W 049 16 5569	T
PRADO	SC	S 33 28 5900	W 070 52 2700	E
PUGSU	SB	N 01 46 3480	W 035 36 1260	E
PUGSU	SE	S 00 55 4200	W 082 12 5300	E
PUKAM	SV	N 08 10 1993	W 063 27 4522	T
PUKAM	SK	N 06 07 2200	W 077 00 1500	E
PUKEM	SC	S 22 30 2440	W 068 46 4999	T
PUKEM	SB	S 23 33 4980	W 047 02 2376	T
PUNTA	SV	N 11 23 4700	W 070 27 1900	E
PUNTA	SP	S 04 15 0000	W 081 20 0000	E
RAXUS	SA	S 39 48 3500	W 068 04 3700	E
RAXUS	SB	S 20 22 1020	W 046 37 5520	E
SAMPU	SC	S 36 26 4112	W 071 51 4014	T
SAMPU	SB	S 17 39 2040	W 044 32 2400	E

SAPMA	SK	N 05 56 2037	W 075 31 5139	T
SAPMA	SB	S 29 59 5340	W 050 58 3060	T
SARPA	SL	S 14 23 3700	W 064 49 5500	T
SARPA	SB	S 19 10 2700	W 043 44 2640	E
SASDA	SK	S 04 01 3677	W 069 52 4628	T
SASDA	SB	S 15 38 4200	W 038 53 2160	E
SASNU	SB	N 02 04 5400	W 042 48 4380	E
SASNU	SK	N 08 43 0600	W 074 05 1600	E
SELMI	SC	S 39 10 2898	W 072 36 5619	T
SELMI	SB	S 19 23 4500	W 044 19 1260	E
SELVA	SV	N 06 07 3300	W 062 58 1100	T
SELVA	SL	S 10 57 5520	W 066 16 3327	T
SELVA	SB	S 09 31 1931	W 072 11 0813	E
SELVA	SE	S 00 59 0300	W 077 31 2200	E
SERVO	SC	S 23 28 2508	W 070 26 5502	T
SERVO	SK	N 07 42 5600	W 075 05 2300	E
SIDOV	SK	N 01 09 1800	W 075 22 3000	E
SIDOV	SB	S 20 21 5160	W 047 52 5400	E
SIDUB	SU	S 34 39 4032	W 055 54 3805	T
SIDUB	SB	N 03 23 5040	W 061 02 2700	E
SIGAS	SP	S 11 47 4900	W 077 13 3100	T
SIGAS	SB	S 27 52 2580	W 054 27 1500	E
SIGIR	SB	S 18 14 4740	W 044 03 5160	E
SIGIR	SK	N 03 44 4400	W 076 36 1400	E
TABOR	SC	S 41 36 5022	W 073 14 0079	T
TABOR	SV	N 10 28 1400	W 066 54 2200	E
TAMAR	SV	N 10 12 1800	W 069 23 3400	T
TAMAR	SB	S 01 18 1563	W 049 08 2183	E
TEGOL	SK	N 05 16 3363	W 072 25 3641	T
TEGOL	SA	S 25 13 1500	W 064 33 2800	E
TESAM	SU	S 34 48 5516	W 055 05 5657	T
TESAM	SK	N 07 11 3404	W 070 54 2764	T
TIGRE	SV	N 08 46 1701	W 070 17 0630	E
TIGRE	SU	S 34 46 5300	W 056 42 5600	E
TOMAS	SV	N 10 36 0659	W 067 04 1747	T
TOMAS	SB	S 11 20 1980	W 038 07 2280	E
TONUL	SU	S 34 45 3281	W 055 06 3101	T
TONUL	SC	S 22 41 0974	W 069 06 3898	T
TOROM	SP	S 03 38 0000	W 074 13 0000	T
TOROM	SO	N 05 38 1500	W 051 18 5200	E
TOROM	SC	S 34 35 2600	W 071 33 2200	E
UDIMA	SV	N 10 32 5900	W 063 42 3100	E
UDIMA	SA	S 41 01 5100	W 066 47 3600	E
UDUSA	SV	N 10 01 0831	W 069 07 5144	T
UDUSA	SB	N 04 42 0600	W 060 51 1740	E
UMGAX	SK	N 06 03 5541	W 075 25 2286	T
UMGAX	SB	S 22 26 4680	W 042 11 3120	E

VULET	SK	N 05 06 5200	W 075 43 1100	T
VULET	SB	S 23 16 0290	W 045 44 3180	E
VULRI	SB	S 22 55 3420	W 043 05 2904	T
VULRI	SK	N 05 36 0400	W 075 49 1000	E
VUSTA	SP	S 02 56 0000	W 073 39 0000	T
VUSTA	SB	S 23 29 1815	W 046 39 4734	T