



*International Civil Aviation Organization*

**Eighth Meeting of the MIDANPIRG AIM Sub-Group (AIM SG/8) and  
Sixth Meeting of the MID Region AIM Database Task Force (MIDAD TF/6)**

**(Virtual Meetings, 13 - 15 September 2021)**

**Agenda Item 4: Global and Regional Developments**

**AGENDA ITEM 4.2.2: ICARD STATUS IN MID REGION**

*(Presented by the Secretariat)*

**SUMMARY**

This paper reminds MID States/Organisations of the ICAO International Codes and Route Designators (ICARD) application, the requirement to utilize it as the sole source of 5-letter name codes (5LNCs) used to mark waypoints, and the Global project to eliminate duplicated 5LNCs to reach the final goal - worldwide uniqueness of all five-letter name-codes.

Action by the meeting is at paragraph 3.

**1. INTRODUCTION**

1.1 Significant points shall be established for the purpose of defining an ATS route and/or in relation to the requirements of air traffic services for information regarding the progress of aircraft in flight. Designators shall also identify these significant points.

1.2 Where a significant point is required at a position not marked by the site of a radio navigation aid, the significant point shall be designated by a unique five letter pronounceable 'name-code' (5LNC). This name-code designator then serves as the name as well as the coded designator of the significant point and shall be selected so as to avoid any difficulties in pronunciation by pilots or ATS personnel when speaking in the language used in ATS communication. The name-code designator shall be easily recognizable in voice communications and shall be free of ambiguity with those used for other significant points in the same general area. The name-code designator assigned to a significant point shall not be assigned to any other significant point.

1.3 The ICAO Standards and Recommended Practices to be applied concerning 5LNC may be found in:

- Annex 11 — Air Traffic Services, Chapter 2, Section 2.15; and
- Annex 11 — Air Traffic Services; Appendix 2.

1.4 The ICAO Codes and Routes Database (ICARD) system has been transferred to ICAO Headquarters from EUROCONTROL where it had been developed and managed. The system, which is now available for global use, allows States to dynamically manage the allocation of five-letter name-codes (5LNCs) as well as analyze like-sounding and duplicate 5LNCs. ICARD is available on the ICAO Secure Portal at: <https://portal.icao.int/icard>

1.5 ICAO MID Office has a nominated ICARD Data Manager to :

- Review and accept or refuse requests from State Users for the allocation, amendment or deletion of 5LNCs
- Allocate, amend, or delete a 5LNC directly into ICARD

1.6 MID States' requirements for unique five-letter pronounceable name-code designators shall be notified to the ICAO MID office for coordination

## 2. DISCUSSION

### *STATE USERS*

2.1 All States/Organisations with any responsibility for or involvement in the design, implementation and/or regulation of ATS routes and instrument flight procedures must have suitable personnel registered in ICARD. In all cases where any personnel of a State Regulator or Air Navigation Service Provider are responsible for the allocation of 5LNC for ATS routes, Standard Instrument Departures (SIDs), Standard Terminal Arrival Routes (STARS) or Instrument Approach Procedures (IAP), at least one person, and preferably two, must be registered as an ICARD\_5LNC\_PLANNER to ensure compliance with Annex 11 requirements. The List of ICARD Planners in MID Region is provided in **Appendix A**.

2.2 MID States are asked to clean up the list of people in **Appendix A** who has access to the ICARD website as state user and notify ICAO MID office to remove those who do not currently use ICARD.

2.3 Moreover, Several MID States/Organisations do not currently have any registered ICARD\_5LNC\_PLANNER. If these States/Organisations allocate 5LNC outside the ICARD system, they are not compliant with the requirements of Annex 11.

### *5LNC DUPLICATION RESOLUTION*

2.4 ICAO State Letter AN 11/45.5-17/101 dated 11 August 2017 has identified a number of issues related to the five-letter name-code (5LNC) uniqueness, continuing to create difficulties causing potential safety-related issues, which include:

- a) Significant number of duplicated codes,
- b) Similar sounding codes in close proximity or on the same flight plan route,
- c) Differences between 5LNC data registered in ICARD and published in national Aeronautical Information Publications (AIPs).

2.5 ICAO HQ compiled a full list of global 5LNC duplication in 2018. There were 3905 duplicated 5LNCs worldwide, in which 113 were in MID region. ICAO and States/Administrations need to work together to resolve this issue on a case-by-case basis.

2.6 The compiled a list of duplicated 5LNC for MID region is provided in **Appendix B**. The MID 5LNC Status' contains following information for each States:

- a) Total number of duplicated 5LNCs;
- b) 5LNCs for which priority is allocated;
- c) 5LNCs for which priority is allocated to other States or Administrations; and
- d) 5LNCs for which priority to be determined by duplicate resolution rules.

### *COMMON RULES FOR REPLACEMENT OF DUPLICATED 5LNCs*

2.7 Whenever possible Member States with 5LNCs of the same name but allocated to more than one physical location (duplicates, triplicates, quadruplicates, etc.) shall discuss the voluntary release of duplicated 5LNCs to allow one State to retain that 5LNC. If no resolution is agreed, the following 5LNC duplicate resolution rules will apply:

*RULE 1.* Priority is given to (a) 5LNC(s) which is (are) already allocated in ICARD. Duplicated 5LNCs that are not allocated in ICARD shall be replaced by new 5LNCs. If two or more 5LNCs of the same name are in ICARD, Rule 2 applies.

*RULE 2.* If two or more 5LNCs of the same name are allocated in ICARD:

- a) Creation date (date when the 5LNC was allocated in ICARD for that State)

If there are two or more 5LNCs with a creation date, the earliest date will have priority. After verification that the State with the priority date is still using that 5LNC, (a) new 5LNC(s) shall be proposed by the Regional

Office(s) to the other State(s) with the same duplicated 5LNC;

b) Creation date versus no creation date

A new 5LNC(s) shall be proposed to the State(s) with no ICARD creation date;

c) No creation date

If there are two or more 5LNCs of the same name without creation dates, Rule 3 applies.

*RULE 3.* If Rules 1 and 2 do not resolve the 5LNC duplication, the following characteristics will have priority:

a) 5LNCs used in both terminal airspace (SIDs/STARs) and En-route airspace;

Note: The amount of changes foreseen and publication required in AIP sections AD and ENR could be very large

b) 5LNCs used in high-density/high-complexity terminal airspace (e.g. SIDs/STARs, holdings, instrument approach procedures);

c) 5LNCs used in en-route airspace (e.g. crossovers between two or more ATS routes, transfer of control points, upper/lower airspace routes, etc). Priority shall be given to highest number of ATS routes crossings through the 5LNCs concerned;

d) 5LNCs used in low-density/low-complexity terminal airspace;

e) 5LNCs used in other routes (domestic, temporary, helicopter, etc.)

*RULE 4.* Resolving conflicts:

a) if any of the previous rules do not resolve 5LNC duplicates and if the 5LNC duplicates are within the area of accreditation of one Regional Office, that Regional Office will make the decision;

b) if the 5LNC duplicates are in different regions, the Regional Offices involved shall agree on a resolution;

c) if any of the previous rules do not resolve the 5LNC duplicates, ICAO Headquarters, in coordination with the relevant Regional Office(s), will make the final decision.

*ATS ROUTE DESIGNATORS*

2.8 Basic ATS route designators shall be assigned in accordance with the following principles.

- The same basic designator shall be assigned to a main trunk route throughout its entire length, irrespective of terminal control areas, States or regions traversed.
- Where two or more trunk routes have a common segment, the segment in question shall be assigned each of the designators of the routes concerned, except where this would present difficulties in the provision of air traffic service, in which case, by common agreement, one designator only shall be assigned.
- A basic designator assigned to one route shall not be assigned to any other route.
- States' requirements for designators shall be notified to the Regional Offices of ICAO for coordination.

*DISTRIBUTION OF ROUTE DESIGNATORS*

2.9 Route Designators have been distributed by the Air Navigation Bureau to the MID region according to the following table:

Basic Designator	A, B, G, R – Routes which form part of the Regional Networks of ATS routes and are not Area Navigation routes (Regional, Conventional) L, M, N, P – Area Navigation (RNAV) routes which form part of the Regional Networks of ATS routes (Regional, RNAV) H, J, V, W – Routes which do not form part of the regional networks of ATS routes and are not Area Navigation routes (Non-Regional, Conventional) Q, T, Y, Z – Area Navigation (RNAV) routes which do not form part of the regional networks of ATS routes (Non-Regional, RNAV)
Prefix before designator	K - Low level route established for use primarily by helicopters U - Route or portion thereof is established in upper airspace S - Route established exclusively for use by supersonic aircraft

Suffix after designator	F – Advisory service only is provided. G – Flight information service only is provided
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MID	A	B	G	R	L	M	N	P
Number Blocks	400-424 775-799	400-424 525-549	650-674 775-799	650-674 775-799	300-324 550-574 700-724	300-324 550-574 700-724	300-324 550-574 700-724	300-324 550-574 700-724

2.10 Regarding domestic ATS routes (codes H, J, V, W for non-RNAV routes and Q, T, Y, Z for RNAV routes), these do not need to be coordinated with the ICAO MID Regional Office, unless they affect other States such as when a near-boundary or boundary operation is planned, as the MID eANP - Volume II only contains regional routes. However, States must comply with the designation provisions of Annex 11 for both regional and domestic routes.

*PUBLICATION*

2.11 The significant point name-codes (5LNC) shall be promulgated in accordance with AIRAC Cycle, or as part of relevant airspace changes.

2.12 The Route Designator shall be promulgated in accordance with AIRAC Cycle, or as part of relevant airspace changes.

**3. ACTION BY THE MEETING**

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) note the relevant standards and policy;
- c) invite States to clean up the list of people who has access to the ICARD website as state user and notify ICAO MID office to remove those who do not currently use ICARD.
- d) ensure that each Administration has at least 1, and preferably 2, registered ICARD 5LNC planners;
- e) urge States to clear up duplicates 5LNCs as per the action plan in the **Appendix B**.
- f) discuss any relevant matters as appropriate.

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## MID ICARD Planners

COUNTRY	NUMBER OF ICARD PLANNERS PER STATE	FIRST_NAME	LAST_NAME	ORGANIZATION	EMAIL	TEL NUMBER
BAHRAIN	1	Abdulla	Al Qadhi	CAA	aalqadhi@mtt.gov.bh	+97317321180
EGYPT	1	Ehab	Raslan	NANSC	Ehab.rasslan@gmail.com	+201126990000
IRAN	3	IRAN pashaei Majid	AIM javad Rezaei	Iran Airport Company	<a href="mailto:ais_iran@airport.ir">ais_iran@airport.ir</a> ja_pashaei@yahoo.com majidre@yahoo.com	+98 2166025108 +98-21-66025108
IRAQ	3	Ali Walid Hassan	Ibrahim Ali Laith Jabbar	Iraqi CAA	alikhali@iraqcaa.com aliwalid23@yahoo.com	+9647901568252
JORDAN	1	Tamer	Alnabelsi	CARC	Tamer.Al-Nabulsi@CARC.GOV.JO	00962799154030
KUWAIT	1	abdullah	aladwani	DGCA Kuwait	abm.aladwani@dgca.gov.kw	+965 2476 25 31
LEBANON	1	Bassem	Nasser	DGCA	bnasser@beirutairport.gov.lb	+9613242187
LIBYA	0					
OMAN	1	NASSER	ALTUWAIYA	Oman CAA	nass2008@paca.gov.om	+96824354768
QATAR	1	Faisal	Alqahtani	Qatar CAA	faisal.alqahtani@caa.gov.qa	+974 44705888
SAUDI ARABIA	3	Hamad KSA-GACA AIS MOHAMED	Alaufi SAHLI	GACA SANS	hmalaufi@gaca.gov.sa aim@sans.com.sa msahli@gaca.gov.sa	+966 555611136 +966126290564
SUDAN	2	Bushara abdalla	nasr bushara yasir		yassir7676@yahoo.com	
SYRIA	0					
UAE	3	Talal Abdalla Roberts	Hammadi Al Rashidi Alan		thammadi@szc.gcaa.ae akaabi@szc.gcaa.ae	+971 2 599 6891
YEMEN		hashed	abdulwasaa	CAMA	hashedkamel@hotmail.com	771-707-019

## MID REGION DUPLICATED 5LNCs REPORT

	Status	Number of Duplicates	States	Priority	Action	Champion	Supported by	Report to
1.	Duplication of 5LNC “ALAMA” FIR boundary	2	France, Oman/India	France	Remove duplication	Oman	ICAO APAC ICAO MID	AIM SG ATM SG
2.	Duplication of 5LNC “ALPOT” on airway M691 & P559	2	Saudi Arabia, Bahrain	Saudi Arabia	Remove duplication	Bahrain	ICAO MID	AIM SG ATM SG
3.	Duplication of 5LNC “ALSAN” on airway G667	2	Republic of Korea, Kuwait/Iraq (FIR boundary)	Kuwait	Remove duplication	ICAO MID	ICAO APAC	AIM SG ATM SG
4.	Duplication of 5LNC “ALSIR” on airway P752 & Q624	2	Canada, Yemen/India	Canada	Remove duplication	ICAO MID	ICAO NACC	AIM SG ATM SG
5.	Duplication of 5LNC “ALTEP” on airway B544	2	UAE/Saudi Arabia	UAE	Remove duplication	Saudi Arabia	ICAO MID	AIM SG ATM SG
6.	Duplication of 5LNC “AMATO” on airway A727	2	Haiti, Sudan/Ethiopia	Haiti	Remove duplication	Sudan	ICAO ESAF ICAO MID	AIM SG ATM SG
7.	Duplication of 5LNC “AMBAL” on airway L425	2	Colombia, Saudi Arabia	KSA	Remove duplication	ICAO MID	SAM	AIM SG ATM SG
8.	Duplication of 5LNC “AMBOD” on airway P312 & P751	2	Yemen, Madagascar/Mauritius (FIR boundary)	Yemen	Remove duplication	ICAO MID	ESAF	AIM SG ATM SG
9.	Duplication of 5LNC “ANVIX” on airway L223	2	United Arab Emirates/Oman (FIR boundary), Seychelles	UAE	Remove duplication	ICAO MID	ESAF	AIM SG ATM SG

**APPENDIX B**

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10.	Duplication of 5LNC “ASKOL” on airway M863	2	Sudan/Chad, Russian Federation	Sudan/Chad	Remove duplication	ICAO MID	ICAO EUR/NAT	AIM SG ATM SG
11.	Duplication of 5LNC “ASPEL” on airway G669	2	Kuwait, Japan	Kuwait	Remove duplication	ICAO MID	ICAO APAC	AIM SG ATM SG
12.	Duplication of 5LNC “BAKIR” on airway R652	2	Turkey, Jordan	Turkey	Remove duplication	Jordan	ICAO MID	AIM SG ATM SG
13.	Duplication of 5LNC “BALMA” on airway L620 & R655	2	Cyprus/Lebanon (FIR boundary), Indonesia	Lebanon	Remove duplication	ICAO MID	APAC	AIM SG ATM SG
14.	Duplication of 5LNC “BASEM” on airway R785	3	Republic of Korea, Syrian Arab Republic, Australia	Republic of Korea	Remove duplication	Syria	ICAO MID	AIM SG ATM SG
15.	Duplication of 5LNC “BAYAN” on airway P430	4	Bahrain/Qatar, Mongolia, Philippines	Mongolia	Remove duplication	Bahrain/Qatar	ICAO MID	AIM SG ATM SG
16.	Duplication of 5LNC “BOGUM” on airway G660	2	Sudan, Taiwan	Sudan	Remove duplication	ICAO MID	ICAO APAC	AIM SG ATM SG
17.	Duplication of 5LNC “BOMIX” on airway B403	2	Yemen/Somalia, India	Yemen/Somalia	Remove duplication	ICAO MID	ICAO APAC	AIM SG ATM SG
18.	Duplication of 5LNC “BONAR” on airway M620, M980, M9, M7	2	Libya/Malta (FIR boundary), Indonesia	Libya	Remove duplication	ICAO MID	APAC	AIM SG ATM SG
19.	Duplication of 5LNC “BRAVO” on airway L513 & R785	4	China (Taiwan), India, Syrian Arab Republic, Brazil	Brazil	Remove duplication	Syria	ICAO MID	AIM SG ATM SG
20.	Duplication of 5LNC “CEDAR” on airway R655	6	Brazil, United Kingdom, Lebanon, Japan, Australia, China (Hong Kong)	UK	Remove duplication	Lebanon	ICAO MID	AIM SG ATM SG

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21.	Duplication of 5LNC "CLAMS" on airway A411	2	United States of America, Libya	USA	Remove duplication	Libya	ICAO MID	AIM SG ATM SG
22.	Duplication of 5LNC "DANAL" on airway P975	2	Kuwait, Australia	Kuwait	Remove duplication	ICAO MID	APAC	AIM SG ATM SG
23.	Duplication of 5LNC "DANAN" on airway B526 & R674	2	Yemen, Republic of Korea	Yemen	Remove duplication	ICAO MID	APAC	AIM SG ATM SG
24.	Duplication of 5LNC "DEKIL" on airway M731, M727, G858, G727	2	Libya/Chad, Republic of Korea	To be determined by the 5LNC Duplicate Resolution Rules				
25.	Duplication of 5LNC "DEKUM" on airway B12, M568	2	South Sudan/Democratic Republic of the Congo (FIR boundary), United States of America	Sudan	Remove duplication	ICAO MID	FAA	AIM SG ATM SG
26.	Duplication of 5LNC "DELAM" on airway B612, P324, P566, P313, L320	2	Russian Federation, Sudan	Russian Federation	Remove duplication	Sudan	ICAO MID	AIM SG ATM SG
27.	Duplication of 5LNC "DELTA" on airway R785	7	Suriname, Japan, Vanuatu, Syrian Arab Republic, Bhutan, Liberia, Lao People's Democratic Republic, India	Suriname	Remove duplication	Syria	ICAO MID	AIM SG ATM SG
28.	Duplication of 5LNC "DENSEA" on airway M561	2	Iran (Islamic Republic of), Japan	Iran	Remove duplication	ICAO MID	APAC	AIM SG ATM SG
29.	Duplication of 5LNC "DOLFI" on airway R401	3	Peru, Libya, Oman	To be determined by the 5LNC Duplicate Resolution Rules				



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30.	Duplication of 5LNC “ELELI” on airway M999	2	Egypt, Indonesia	Egypt	Remove duplication	ICAO MID	APAC	AIM SG ATM SG
31.	Duplication of 5LNC “ENADA” FIR boundary	2	Jordan, Oman/UAE	Jordan	Remove duplication	Oman/UAE	ICAO MID	AIM SG ATM SG
32.	Duplication of 5LNC “FARES” on airway B526, G665, M731, G13	3	Libya/Tunisia (FIR boundary), United States of America, Yemen/Eritrea (FIR boundary)	Libya	Remove duplication	ICAO MID Yemen	FAA ESAF	AIM SG ATM SG
33.	Duplication of 5LNC “GASSI” on airway P559	3	Philippines, United States of America, Bahrain	USA	Remove duplication	Bahrain	ICAO MID	AIM SG ATM SG
34.	Duplication of 5LNC “GETUP” on airway M449 & A412	2	Jordan, United States of America	Jordan	Remove duplication	ICAO MID	FAA	AIM SG ATM SG
35.	Duplication of 5LNC “GIBAX” on airway G652	2	Yemen, Ethiopia	Yemen	Remove duplication	ICAO MID	ICAO ESAF	AIM SG ATM SG
36.	Duplication of 5LNC “GOMRI” on airway B413 & L314	2	Yemen, Algeria	Yemen	Remove duplication	ICAO MID	ICAO EUR NAT	AIM SG ATM SG
37.	Duplication of 5LNC “HAMED” on airway A424	2	Yemen, Saudi Arabia	Yemen	Remove duplication	Saudi Arabia	ICAO MID	AIM SG ATM SG
38.	Duplication of 5LNC “ITGEV” on airway B525	2	Sudan/Ethiopia	To be determined by the 5LNC Duplicate Resolution Rules				
39.	Duplication of 5LNC “KABAN” on airway L718	2	Turkey/Iraq (FIR boundary), Philippines	Iraq	Remove duplication	ICAO MID	APAC	AIM SG ATM SG

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40.	Duplication of 5LNC "KAMAR" on airway G202	2	Afghanistan/Iran (Islamic Republic of) [FIR boundary], Japan	Iran	Remove duplication	ICAO MID	APAC	AIM SG ATM SG
41.	Duplication of 5LNC "KAMEL" on airway Q52	2	Jordan/Syria, Colombia	To be determined by the 5LNC Duplicate Resolution Rules				
42.	Duplication of 5LNC "KANOK" FIR boundary	2	Iraq/Syria, India	Iraq/Syria	Remove duplication	ICAO MID	ICAO APAC	AIM SG ATM SG
43.	Duplication of 5LNC "KAROX" on airway B407	2	Sudan/Saudi Arabia, UAE	Sudan/Saudi Arabia	Remove duplication	UAE	ICAO MID	AIM SG ATM SG
44.	Duplication of 5LNC "KARUB" on airway M999	2	Indonesia, Libya	To be determined by the 5LNC Duplicate Resolution Rules				
45.	Duplication of 5LNC "KASOL" on airway B535 & N303	3	Iran (Islamic Republic of), Indonesia, Djibouti	Iran	Remove duplication	ICAO MID	APAC ESAF	AIM SG ATM SG
46.	Duplication of 5LNC "KATAK" on airway R401	3	Oman, Indonesia, Zimbabwe/Mozambique (FIR boundary)	To be determined by the 5LNC Duplicate Resolution Rules				
47.	Duplication of 5LNC "KATAN" on airway B535	2	Yemen, Indonesia	Yemen	Remove duplication	ICAO MID	APAC	AIM SG ATM SG
48.	Duplication of 5LNC "KAVIL" on airway G665	2	Iran, Philippine	Iran	Remove duplication	ICAO MID	ICAO APAC	AIM SG ATM SG
49.	Duplication of 5LNC "KEPOS" on airway M999	2	Madagascar, Libya	Madagascar	Remove duplication	Libya	ICAO MID	AIM SG ATM SG
50.	Duplication of 5LNC "KILIS" on airway B544	2	Brazil, Turkey/Syrian Arab Republic (FIR boundary)	Brazil	Remove duplication	Syria	ICAO MID	AIM SG ATM SG

## APPENDIX B

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51.	Duplication of 5LNC “KISAL” on airway N320, L320, P562	2	Central African Republic/Sudan (FIR boundary), Russian Federation	Sudan	Remove duplication	ICAO MID	EUR NAT	AIM SG ATM SG
52.	Duplication of 5LNC “KITUB” on airway G667	2	Saudi Arabia, Canada	Canada	Remove duplication	KSA	ICAO MID	AIM SG ATM SG
53.	Duplication of 5LNC “KOBAS” on airway B413	2	Eritrea/Saudi Arabia, Indonesia	Eritrea/Saudi Arabia	Remove duplication	ICAO MID	ICAO APAC	AIM SG ATM SG
54.	Duplication of 5LNC “KORAB” on airway M651	2	France, Yemen	France	Remove duplication	Yemen	ICAO MID	AIM SG ATM SG
55.	Duplication of 5LNC “KUNDO” on airway P699	2	Bahrain, Indonesia	Bahrain	Remove duplication	ICAO MID	ICAO APAC	AIM SG ATM SG
56.	Duplication of 5LNC “KUMLA” on airway P559	2	Bahrain, Sweden	Bahrain	Remove duplication	ICAO MID	ICAO EUR/NAT	AIM SG ATM SG
57.	Duplication of 5LNC “LABAD” on airway B544	2	Saudi Arabia, Indonesia	Saudi Arabia	Remove duplication	ICAO MID	APAC	AIM SG ATM SG
58.	Duplication of 5LNC “LABNA” on airway L604	2	Egypt, Indonesia	Egypt	Remove duplication	ICAO MID	ICAO APAC	AIM SG ATM SG
59.	Duplication of 5LNC “LADEN” on airway B413	2	Sudan/Eritrea (FIR boundary), Russian Federation	Sudan	Remove duplication	ICAO MID	EUR NAT	AIM SG ATM SG
60.	Duplication of 5LNC “LATEB” on airway N310 & P300	2	Lebanon/Syrian Arab Republic (FIR boundary), India	Lebanon/Syrian Arab Republic	Remove duplication	ICAO MID	APAC	AIM SG ATM SG
61.	Duplication of 5LNC “LITAN” on airway N310 & P300	2	Lebanon/Cyprus, Indonesia	Lebanon/Cyprus	Remove duplication	ICAO MID	APAC	AIM SG ATM SG

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62.	Duplication of 5LNC “LOSAR” on airway L513	2	Jordan, Indonesia	Jordan	Remove duplication	ICAO MID	ICAO APAC	AIM SG ATM SG
63.	Duplication of 5LNC “LOTOS” on airway L564	3	Spain, Saudi Arabia, China (Taiwan)	Spain	Remove duplication	KSA	ICAO MID	AIM SG ATM SG
64.	Duplication of 5LNC “LUGAT” on airway M872	2	Ukraine, Egypt	Ukraine	Remove duplication	Egypt	ICAO MID	AIM SG ATM SG
65.	Duplication of 5LNC “MAANI” on airway G782	2	Saudi Arabia, Finland	Saudi Arabia	Remove duplication	ICAO MID	ICAO EUR/NAT	AIM SG ATM SG
66.	Duplication of 5LNC “MAHDI” on airway B407	2	Algeria, Sudan	Algeria	Remove duplication	Sudan	ICAO MID	AIM SG ATM SG
67.	Duplication of 5LNC “MALLA” on airway L513	2	UAS, Syria	UAS	Remove duplication	Syria	ICAO MID	AIM SG ATM SG
68.	Duplication of 5LNC “MISAN” on airway B544 & G667	2	Yemen, Viet Nam	Yemen	Remove duplication	ICAO MID	APAC	AIM SG ATM SG
69.	Duplication of 5LNC “MUNGA” on airway A777	2	Oman, Australia	Oman	Remove duplication	ICAO MID	APAC	AIM SG ATM SG
70.	Duplication of 5LNC “NABIL” on airway M574	2	Indonesia, India/Yemen (FIR boundary)	To be determined by the 5LNC Duplicate Resolution Rules				
71.	Duplication of 5LNC “NAMLA” on airway N300	2	Bahrain/UAE, Nadi	Bahrain/UAE	Remove duplication	ICAO MID	ICAO SAM ICAO WACAF	AIM SG ATM SG
72.	Duplication of 5LNC “NANTO” on airway G665	2	Iran (Islamic Republic of), Indonesia	Iran	Remove duplication	ICAO MID	APAC	AIM SG ATM SG

## APPENDIX B

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73.	Duplication of 5LNC “NARMI” on airway B457	2	Morocco, Bahrain/Saudi Arabia (FIR boundary)	Morocco	Remove duplication	KSA Bahrain	ICAO MID	AIM SG ATM SG
74.	Duplication of 5LNC “NASER” on airway A411	2	Russian Federation, Libya	Russian Federation	Remove duplication	Libya	ICAO MID	AIM SG ATM SG
75.	Duplication of 5LNC “NAZAR” on airway A647	2	Iran/Turkmenistan, USA	Iran/Turkmenistan	Remove duplication	ICAO MID	ICAO NACC FAA	AIM SG ATM SG
76.	Duplication of 5LNC “NODLA” on airway G202	2	Iran (Islamic Republic of), Egypt	Iran	Remove duplication	Egypt	ICAO MID	AIM SG ATM SG
77.	Duplication of 5LNC “ORBAT” on airway N764 & P751	2	Tunisia, Yemen	Tunisia	Remove duplication	Yemen	ICAO MID	AIM SG ATM SG
78.	Duplication of 5LNC “PADUR” on airway Q615, P753	2	Panama/Central America, Saudi Arabia/Yemen	Panama/Central America	Remove duplication	Yemen Saudi Arabia	ICAO MID	AIM SG ATM SG
79.	Duplication of 5LNC “PARAS” on airway G208	2	Iran, Taiwan	Iran	Remove duplication	ICAO MID	ICAO APAC	AIM SG ATM SG
80.	Duplication of 5LNC “PAROT” on airway G208	2	Iran (Islamic Republic of), Indonesia	Iran	Remove duplication	ICAO MID	APAC	AIM SG ATM SG
81.	Duplication of 5LNC “PASAK” on airway M677	2	Bahrain, Cambodia	Bahrain	Remove duplication	ICAO MID	APAC	AIM SG ATM SG
82.	Duplication of 5LNC “PASOS” on airway L550, W850	2	Egypt/Cyprus, Mexico	Egypt/Cyprus	Remove duplication	ICAO MID	ICAO NACC	AIM SG ATM SG
83.	Duplication of 5LNC “PATOR” on airway B417	2	Saudi Arabia, Indonesia	Saudi Arabia	Remove duplication	ICAO MID	ICAO APAC	AIM SG ATM SG

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84.	Duplication of 5LNC "PAVON" on airway M561	3	Venezuela, Mexico, Iran (Islamic Republic of)	Iran	Remove duplication	ICAO MID	NACC SAM	AIM SG ATM SG
85.	Duplication of 5LNC "PETRA" on airway B411 & M449	3	Thailand, China (mainland), Jordan	Thailand	Remove duplication	Jordan	ICAO MID	AIM SG ATM SG
86.	Duplication of 5LNC "PRAWN" on airway A411	4	Canada, Libya, China (Hong Kong), Australia	Canada	Remove duplication	Libya	ICAO MID	AIM SG ATM SG
87.	Duplication of 5LNC "PURNA" on airway A418	2	Iran, Indonesia	Iran	Remove duplication	ICAO MID	ICAO APAC	AIM SG ATM SG
88.	Duplication of 5LNC "RABOL" on airway P751	2	Yemen, Indonesia	Yemen	Remove duplication	ICAO MID	APAC	AIM SG ATM SG
89.	Duplication of 5LNC "RAGAS" on airway M561	2	Bahrain/Iran (Islamic Republic of) [FIR boundary], Ethiopia/Djibouti	Bahrain	Remove duplication	ICAO MID	ESAF	AIM SG ATM SG
90.	Duplication of 5LNC "RAKID" on airway M318 & M559	2	Saudi Arabia, Yemen	Saudi Arabia	Remove duplication	Yemen	ICAO MID	AIM SG ATM SG
91.	Duplication of 5LNC "RASKI" on airway L301	3	India/Oman (FIR boundary), Saudi Arabia, Iraq	Oman	Remove duplication	Saudi Arabia, Iraq	ICAO MID	AIM SG ATM SG
92.	Duplication of 5LNC "RIBAM" on airway G650	2	Saudi Arabia, Russian Federation	Saudi Arabia	Remove duplication	ICAO MID	ICAO EUR/NAT	AIM SG ATM SG
93.	Duplication of 5LNC "SABEL" on airway B424 & R674	2	Oman/Yemen (FIR boundary), Philippines	Oman	Remove duplication	ICAO MID	ICAO APAC	AIM SG ATM SG

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94.	Duplication of 5LNC “SALAM” on airway L200, A412	3	Israel/Jordan, Iraq, Indonesia	Israel/Jordan	Remove duplication	ICAO MID Iraq	ICAO APAC	AIM SG ATM SG
95.	Duplication of 5LNC “SALIM” on airway L601	2	United States of America, Syrian Arab Republic	USA	Remove duplication	Syria	ICAO MID	AIM SG ATM SG
96.	Duplication of 5LNC “SALUN” on airway L604	2	Egypt/Greece (FIR boundary), China (Taiwan)	Egypt	Remove duplication	ICAO MID	APAC	AIM SG ATM SG
97.	Duplication of 5LNC “SALWA” on airway M430	2	United States of America, Saudi Arabia	USA	Remove duplication	KSA	ICAO MID	AIM SG ATM SG
98.	Duplication of 5LNC “SINKA” on airway G202	2	Iraq, Haiti	Iraq	Remove duplication	ICAO MID	NACC	AIM SG ATM SG
99.	Duplication of 5LNC “SOFIA” on airway G202	3	Brazil, Paraguay, Syrian Arab Republic	Brazil	Remove duplication	Syria	ICAO MID	AIM SG ATM SG
100.	Duplication of 5LNC “SOKAL” on airway L613 & A1	2	Egypt, Australia	Egypt	Remove duplication	ICAO MID	APAC	AIM SG ATM SG
101.	Duplication of 5LNC “SOKAN” on airway L768	2	Jordan/Syrian Arab Republic (FIR boundary), Viet Nam	Jordan	Remove duplication	ICAO MID	APAC	AIM SG ATM SG
102.	Duplication of 5LNC “TAKMI” on airway L566 & P323	2	Yemen, New Zealand	Yemen	Remove duplication	ICAO MID	APAC	AIM SG ATM SG
103.	Duplication of 5LNC “TAKTI” on airway N687	2	Saudi Arabia, Bhutan	KSA	Remove duplication	ICAO MID	APAC	AIM SG ATM SG
104.	Duplication of 5LNC “TAMIM” on airway B535	2	Yemen, Jordan	Yemen	Remove duplication	Jordan	ICAO MID	AIM SG ATM SG

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105.	Duplication of 5LNC “TANSA” on airway B12	2	Egypt/Greece (FIR boundary), Philippines	Egypt	Remove duplication	ICAO MID	APAC	AIM SG ATM SG
106.	Duplication of 5LNC “TAPOS” on airway B535	3	Sudan, Indonesia, Congo	Sudan	Remove duplication	ICAO MID	APAC WACAF	AIM SG ATM SG
107.	Duplication of 5LNC “TASMI” on airway L602, G795	2	Iraq/Kuwait, Yemen	Iraq/Kuwait	Remove duplication	Yemen	ICAO MID	AIM SG ATM SG
108.	Duplication of 5LNC “TESOS” on FIR boundary	2	Botswana, Sudan/Kenia	Botswana	Remove duplication	Sudan	ICAO MID	AIM SG ATM SG
109.	Duplication of 5LNC “TESVA” on airway L852	2	Turkey/Iran, Finland	Turkey/Iran	Remove duplication	ICAO MID	ICAO EUR/NAT	AIM SG ATM SG
110.	Duplication of 5LNC “TOBLI” on airway A453	2	Bolivia (Plurinational State of), Bahrain	Bolivia	Remove duplication	Bahrain	ICAO MID	AIM SG ATM SG
111.	Duplication of 5LNC “TOTOX” on airway P574	2	Oman/India, Vietnam	Oman/India	Remove duplication	ICAO MID	ICAO APAC	AIM SG ATM SG
112.	Duplication of 5LNC “UBTEN” on FIR boundary	2	Botswana, Yemen/Somalia	Botswana	Remove duplication	Yemen	ICAO MID	AIM SG ATM SG
113.	Duplication of 5LNC “VELOS” on airway G662	2	Saudi Arabia, Philippine	Saudi Arabia	Remove duplication	ICAO MID	ICAO APAC	AIM SG ATM SG

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