



Agenda Item 7: AOP, AIM, MET, SAR

INDONESIA 5LNC STATUS AND PROGRESS

(Presented by Indonesia)

SUMMARY

This paper presents information about the progress of Indonesia in handling 5LNC and web-based application to manage 5LNC.

1. INTRODUCTION

1.1 According to Final Report AAITF/15, Indonesia has 316 duplicated 5LNCs and needs to be resolved as soon as possible.

1.2 Indonesia presented a Working Paper in AAITF/15 about ICARD 5LNC Status and Handling Process. From 316 duplicated 5LNCs recorded for Indonesia, 64 had been replaced, the replacement of 13 was currently in progress, and the remaining 239 would be progressively changed.

2. DISCUSSION

Indonesia 5LNC Condition

2.1 The data collection has been taken from AIP Indonesia in March 2020. There are **1202** 5LNCs (**431 En Route** and **772 Terminal Airspace**). Each 5LNC divided into several groups based on their ICARD status.

Table 1. List of 5LNCs published in AIP Indonesia

5LNC Status	Purpose		Total
	ENR	TA	
Registered in ICARD	154	11	165
Available in ICARD	33	35	68
Duplicated with other States	111	313	424
Reserved by other States	15	25	40
Not in ICARD List	67	264	351
Available in other Regions	31	123	154
Sub Total			1202

Indonesia 5LNC Handling Progress

2.2 Since April 2020, Indonesia has been actively registering available 5LNCs and changing duplicated 5LNCs.

2.3 ICARD Regional Manager has been transferred **120** 5LNCs from other regions and created **232** 5LNCs from not in the ICARD list. **19** 5LNCs from both statuses cannot be transferred or created because already published in AIP or reserved by other states, and Indonesia already replaced that 5LNC.

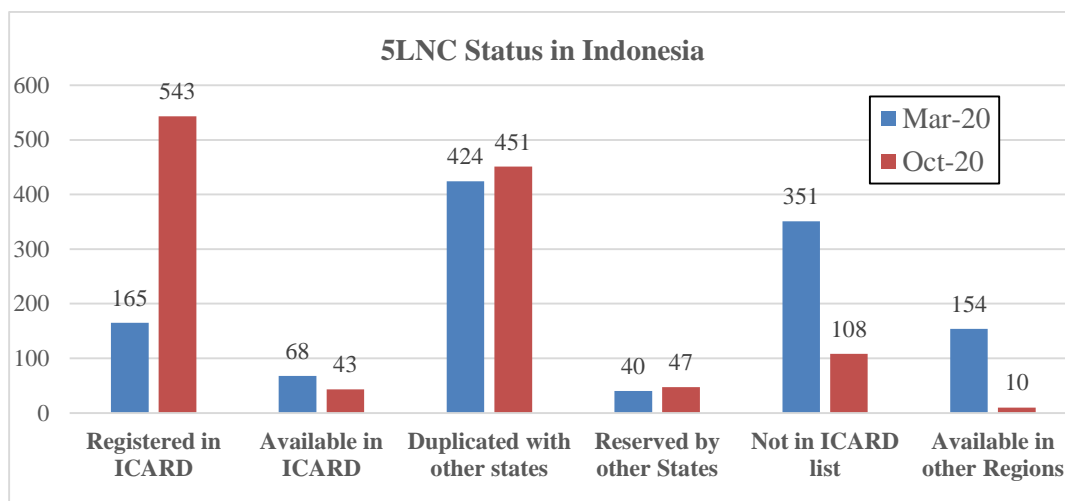


Figure 1. Comparison 5LNCs status from March 2020 to October 2020

2.4 **846** new 5LNCs have been approved by ICARD Manager (**505** 5LNCs for replacement, **341** 5LNCs for establishment new waypoint). The approved 5LNCs will be published by the next AIRAC AIP Amendment gradually.

2.5 Indonesia is conducting a safety assessment of **114** 5LNCs due to proximity issues with other 5LNCs.

5LNC Web-Based Handling Process

2.6 To manage the new 5LNC and monitor the replacement of duplicated 5LNC, Indonesia created a web-based application called INavcard (Indonesia Navigation Code and Routes Designators). Public users can access through <http://pia.airnavindonesia.co.id/>.

2.7 INavcard has several features such as a new 5LNC request from Flight Procedure Designer, the progress of replacement 5LNC in real-time, and a database of active or deleted waypoints in Indonesia.

2.8 In the next future, INavcard will also be used to manage route designators in Indonesia.

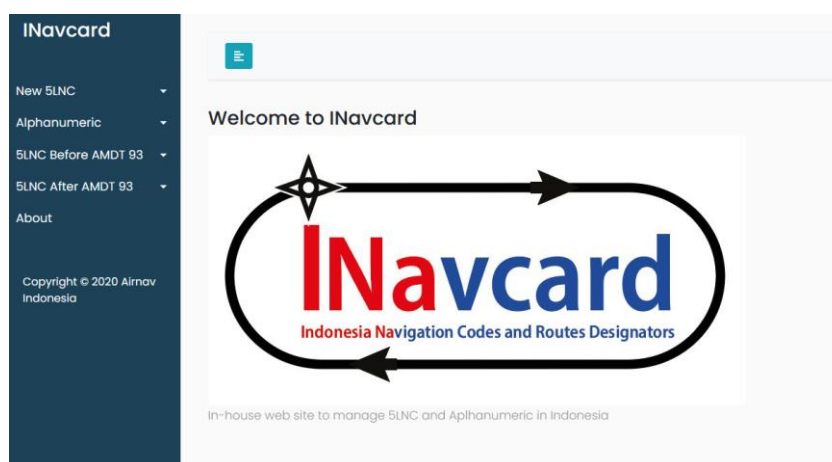


Figure 2. The front page of INavcard

ICARD Status	Reserved	Submitted	Rejected (Planner)	Approved	Amendment	Published	Rejected (ICAO)	Total (Progress)	Not Yet Changed
ALLOCATED	0	2	0	414	0	26	1	443	8
AVAILABLE	0	41	0	2	0	0	0	43	0
NOT IN LIST	0	0	0	5	0	9	0	14	204
NOT STANDARD	0	0	0	4	0	0	0	4	0
REGISTERED	0	0	0	0	0	446	0	446	1
RESERVED	0	0	0	42	0	3	0	45	1
UNAVAILABLE	0	0	0	1	0	1	0	2	10

Figure 3. The interface of the progress of 5LNC replacement in INavcard

Name	Reserved by	Location Indicator
ADGON	MOHAMAD IQBAL FIRDAUS	WILL
Latitude (DDMMSS.SS N/S)	Longitude (DDMMSS.SS E/W)	
050619.08S	1051454.90E	
Purpose	Route	Replaced 5LNC
Terminal Airspace		Old 5LNC
Status (ICARD Planner)	Submitted by (ICARD Planner)	
Published	HERMAWAN NOVITRIYANTO	
Reserved Date	Submitted Date (ICARD Planner)	Approved Date (ICARD Planner)
08 / 18 / 2020	08 / 19 / 2020	08 / 19 / 2020
Published Date (ICARD Planner)		
09 / 24 / 2020		
Remarks		
STAR RWY 32		

Figure 4. INavcard can store the history of 5LNC in chronological

3. ACTION BY THE MEETING

3.1 The meeting is invited to note the information contained in this paper.

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