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UNITING AVIATION

AAITF/15

Asia/Pacific Region ICARD Status and 5LNC Duplicate Resolution

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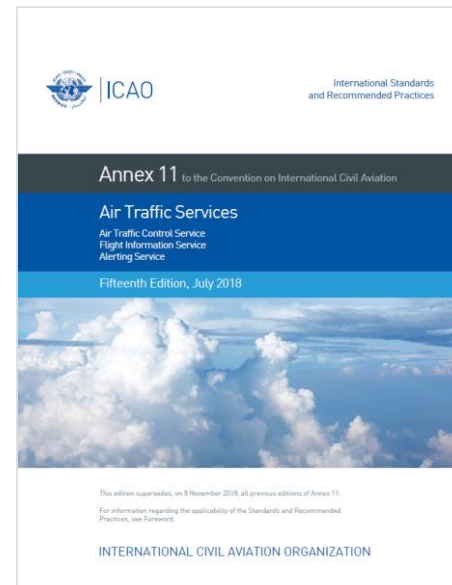
Annex 11 – Air Traffic Service

– Definition – Significant point

- A specified geographical location used in defining an ATS route or the flight path of an aircraft and for other navigation and ATS purposes

– Appendix 2

- Significant point shall be designated by **a unique five-letter pronounceable name-code** (where not marked by site of radio navigation aid)
- name-code designator shall be selected so as to avoid any **difficulties in pronunciation**
- name-code designator shall be **easily recognizable** in voice communications and shall be **free of ambiguity**
- unique five-letter pronounceable name-code designator assigned to a significant point shall not be assigned to any other significant point
- States' requirements for unique five-letter pronounceable name-code designators **shall be notified** to the Regional Offices of ICAO for coordination





ICARD Background



1995



EUROCONTROL and the ICAO EUR/NAT RO started working together to develop and maintain a common database

1998



First internet application on the EUROCONTROL website was developed

2009



Application gradually extended to other ICAO regions

2010



ICARD database was transferred from EUROCONTROL to ICAO Headquarters

2017



New enhanced ICARD platform was launched to provide more stability, increased processing speed, more user-friendly design



Asia/Pacific Region ICARD Usage (last 5 years)

– 2017

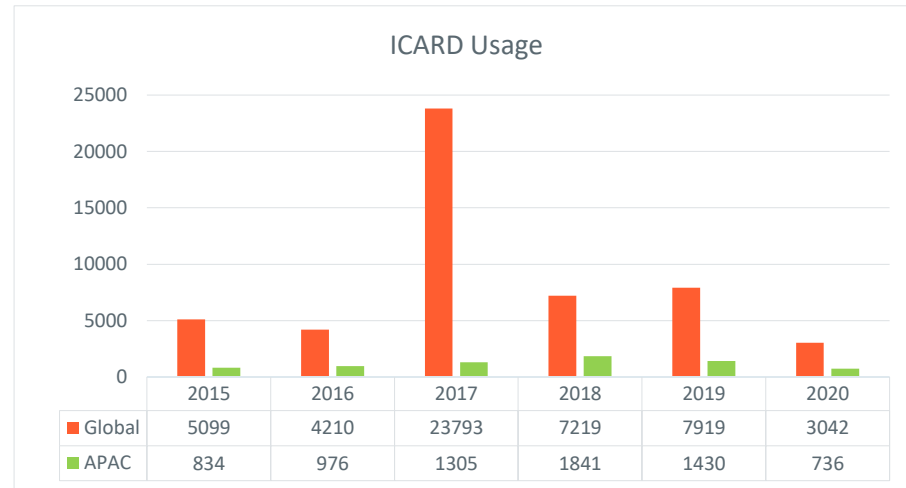
- What happened in the global ICARD progress?
- Did we miss anything?

– 2019

- **7919** 5LNCs were registered in ICARD, **1430** were from APAC region, **18%** of the total amount

– 2020 (as of May)

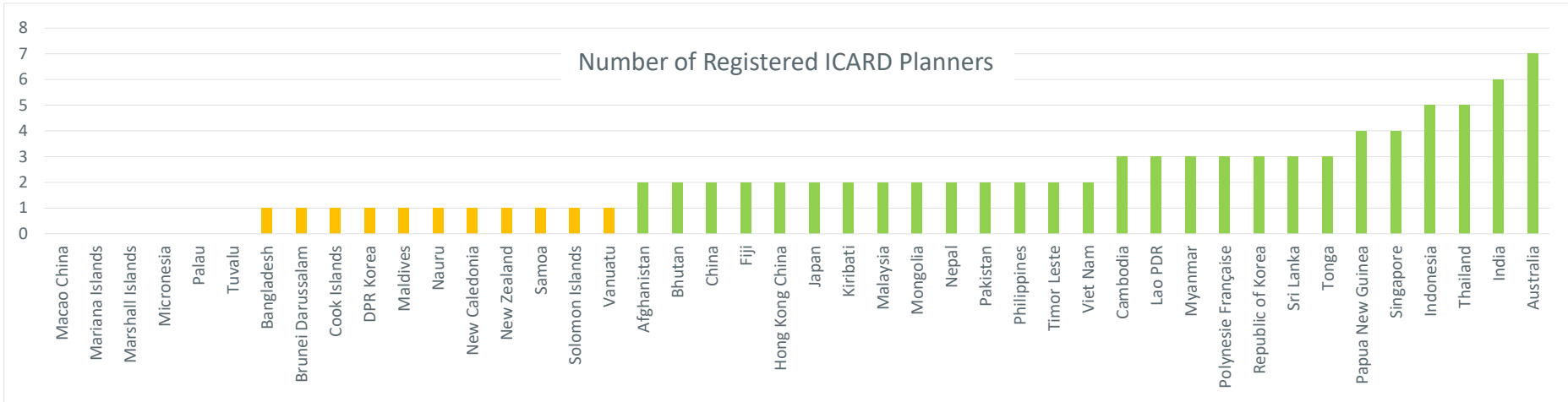
- **3042** 5LNCs were registered in ICARD, **736** were from APAC region, **24%** of the total amount
- At the end of 2020, APAC 5LNCs will be increased significantly. Huge number of requests are submitted by Australia, Indonesia and Republic of Korea.





State ICARD Planners

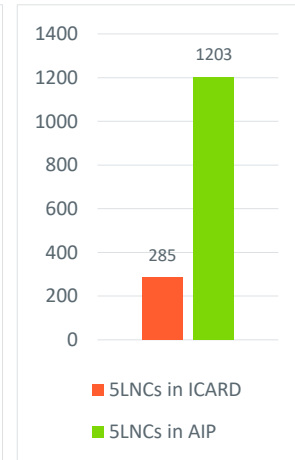
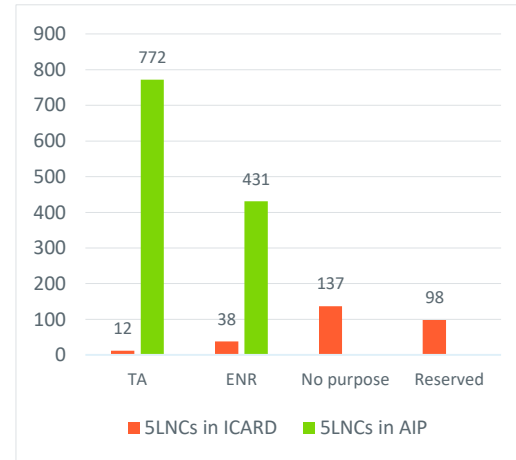
- At least one person, and preferably two, must be registered
- Attention to States/Administrations
 - **Urged to register ICARD 5LNC Planner:** *Tuvalu, Palau, Micronesia, Marshall Islands and Mariana Islands*
 - **Add ICARD 5LNC Planner:** *Bangladesh, Brunei Darussalam, Cook Islands, DPR Korea, Maldives, Nauru, New Caledonia, New Zealand, Samoa, Solomon Islands and Vanuatu*



Problems slowing down ICARD progress

- As of 14 May 2020, Regional Office has
 - processed **486** requests
 - rejected **108** requests
- Why 22% of total requests are rejected?
 - Already published in other States' AIP
 - Sound-like proximity issue
- Why duplicated 5LNCs are available in ICARD?
 - All 5LNCs published in AIP are not registered in ICARD
 - ICARD registration is quite low in APAC Region
- Way forward
 - conduct extensive analysis for each Asia/Pacific Administrations

For rejected 5LNCs



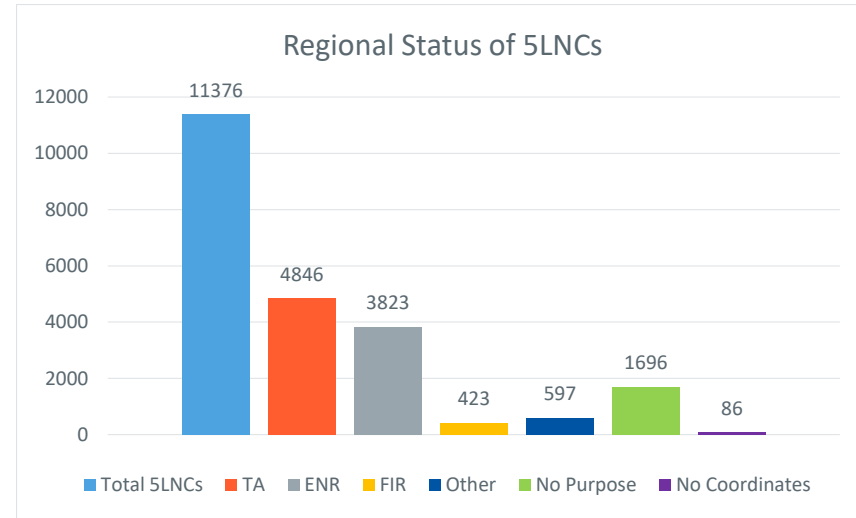


ICARD Status of 5LNCs – Asia/Pacific Region

- Total registered 5LNCs – **11376** (only)
- Incomplete registrations - **1782**
 - No Purpose: **1696**
 - No Coordinates: **86**

State 5LNC Status

- Asia/Pacific States urged to review their ICARD usage using 'State 5LNC Status' provided in **Attachment B** of WP
 - Register all published 5LNCs in ICARD
 - Fix all incomplete registrations
 - Delete unnecessary 5LNCs from ICARD



How many 5LNCs are published in APAC Region?

How many 5LNCs are published in your AIP?



5LNC duplication resolution

- Poor notification to APAC RO
 - Duplication list is not maintained properly
 - Impossible to generate accurate information
- Complexity of Duplication List may lead APAC States to
 - poor action for duplication resolution
 - poor notification to APAC RO
- Way forward
 - create separate list for each APAC State/Administrations



How many duplicated 5LNCs are resolved without notification and coordination?

Global 5LNC Duplication



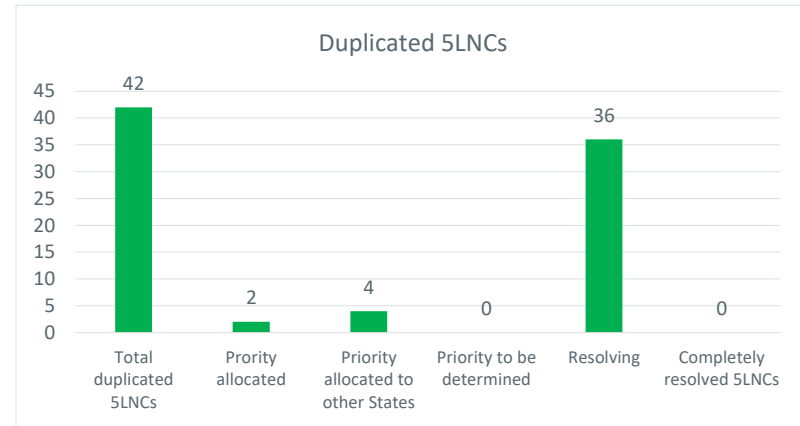
ICAO and States/Administrations need to work together to resolve this issue on a case-by-case basis

List for APAC State/Administrations

- part of **'State 5LNC Status'** provided in Attachment B
- contains following information
 - Total number of duplicated 5LNCs;
 - 5LNCs which priority is allocated;
 - 5LNCs which priority is allocated to other States;
 - 5LNCs which priority to be determined;
 - 5LNCs which are resolving; and
 - Number of completely resolved 5LNCs.
- may not contain the most current information
- APAC States/Administrations are requested to
 - review and maintain 'State 5LNC Status'
 - notify to Regional Office at least once each year
 - MS Excel file will be provided later on



ICAO APAC RO Monitoring





State Duplication Resolution Progress

– States working very cooperatively for duplication resolution

- Mongolia, Hong Kong China, Indonesia

– **36 5LNCs replaced and waiting AIP removal**

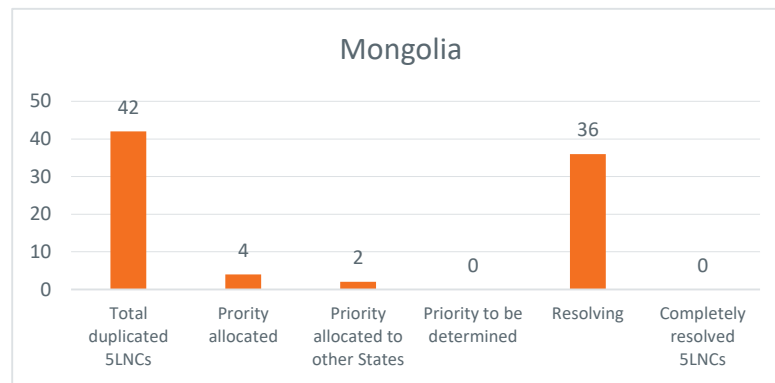
- 5LNCs duplicated in 2 States: **31**
- 5LNCs duplicated in 3 States: **3**
- 5LNCs duplicated in 4 States: **2**

– Priority allocated to Mongolia: **4**

– 5LNCs need to be resolved: **2**

– Early notification allows to coordinate States

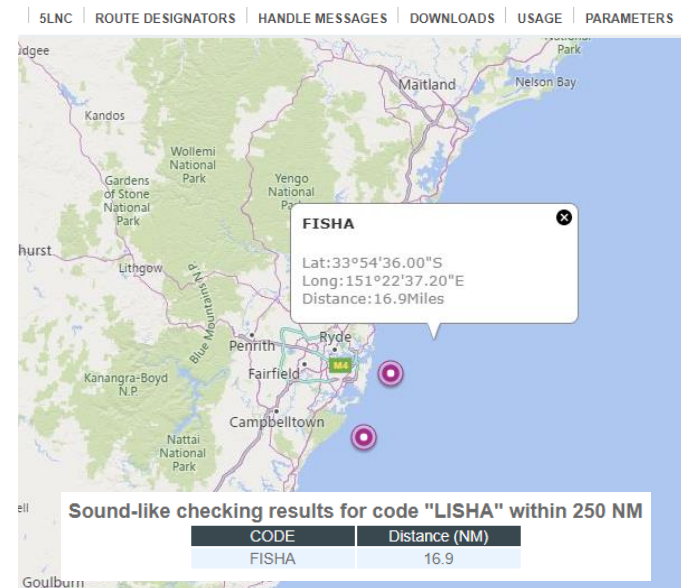
- Following States do not need to replace duplicated 5LNCs:
 - *Philippines, New Zealand, Republic of Korea, Nepal, Japan and Australia*
 - *Tunisia, Finland, Brazil, Russian Federation, USA, Germany, Kazakhstan, Venezuela, Azerbaijan, Mauritius, Argentina, Mexico, United Kingdom and Italy*
- APAC Regional Office will notify shortly to relevant States





Notes for New 5LNC Request

- Coordinates must be within the territory or any FIR of the requesting State
- Sound-like checking shall be conducted before submission
 - **250NM** for Terminal Airspace (TA)
 - **500NM** for Enroute (ENR) and FIR
- For FIR boundaries, the requesting State has to coordinate with all State(s) concerned
- After the submission, States must wait for approval by the ICARD Regional Data Manager before proceeding to publication in AIP
 - If requests are urgent, ICARD Users should inform the ICARD Regional Data Manager by e-mail to expedite processing





Notes for 5LNC Amendment

- Explanatory information should be provided in the ‘comment box’. Types of amendments could be requested by State users
 - Changes of coordinates
 - Comments
 - Purpose
 - Addition or Deletion of Contracting States
- If the request is the change of coordinates for a 5LNC not yet published in State AIP, after proximity checking, the request can be approved
- 5LNC already published in State AIP shall not be relocated unless new coordinates are within 1 NM of the previous coordinates and with the same purpose.
- For 5LNCs on FIR boundaries, the State/Administration requesting the amendment must coordinate with the State(s) concerned before the submission of the amendment request





Notes for 5LNC Deletion

- Before the submission of a 5LNC deletion request, the 5LNC must be deleted from relevant State AIP(s)
- For the 5LNC deletion which is at FIR boundary, make sure it has been coordinated between all States concerned and removed from all State AIPs involved
- Deleted 5LNC will remain frozen for a period of 6 months. After that time, they will automatically return to the reserve list of the ICARD database of the same Region





SUMMARY



– Review your ICARD usage and AIP

- Determine all published 5LNCs and register them in ICARD
- Amend incomplete registrations
- Delete unused 5LNCs from ICARD

– Expedite actions for 5LNC duplicate resolutions

- Review and maintain list provided by ICAO APAC RO
- Notify your actions to ICAO APAC RO and States concerned
- Consider notes contained in this presentation for submitting ICARD requests

– Ensure your ICARD 5LNC Planner registrations

- At least 1 and preferably 2 planners should be registered



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(ESAF) Office
Nairobi

Asia and Pacific
(APAC) Sub-office
Beijing

Asia and Pacific
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THANK YOU