

ICARD 5LNC Workshop

ICAO Five-Letter Name-Code (5LNC) and Route Designators database (ICARD)

Ha Noi, Viet Nam, 13 March 2012

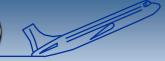
Presented by Nikki Goldschmid, ICAO EUR/NAT ATM/A, ICARD data manager





- Annex 11, Chapter 2, Appendix 2
 - Designators for significant points not marked by the site of a radio navigation aid
- Where a significant point is required at a position not marked by the site of a radio navigation aid, and is used for ATC purposes, it shall be designated by a unique five-letter pronounceable "name-code". This name-code designator then serves as the name as well as the coded designator of the significant point





- The name-code designator shall be selected so as to avoid any difficulties in pronunciation by pilots or ATS personnel when speaking in the language used in ATS communications
- 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





- ➤ To meet the above-mentioned requirements for voice communications (easy pronounceable, free of ambiguity, easily recognizable), certain vowels and consonants and certain combinations thereof were not used for forming 5LNCs. For example:
 - The letters C, F, Q, W, Y and Z are not used for reasons of phonetic ambiguity with other letters;
 - H is never used due to its phonetic peculiarity; and
 - E never appears as a last letter in tribute to French pronunciation.





- The <u>unique</u> five-letter pronounceable namecode designator assigned to a significant point shall not be assigned to any other significant point.
- When there is a <u>need to relocate</u> a significant point, <u>a new name-code designator shall be chosen</u>.
- In cases when a State wishes to keep the allocation of specific name-codes for reuse at a different location, such name-codes shall not be used until after a period of at least six months





- States' requirements for unique five-letter pronounceable name-code designators shall be notified to the Regional Offices of ICAO for coordination
- significant points shall be determined and reported in terms of WGS-84 geographical coordinates



5LNC Background information

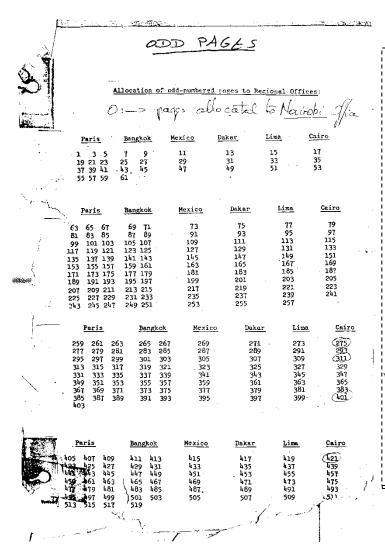
>1960's -140 670 ICAO codes

APAC	27 535
EUR/NAT	38 598
MID	12 934
WACAF	18 437
SAM	18 629
NACC	19 131
ESAF	5 406

OCT 1983 + NOV 1985



5LNCs record lists



aDD PAGES

Allocation of odd-numbered pages to Regional Offices:

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5LNC – Traditional Registration



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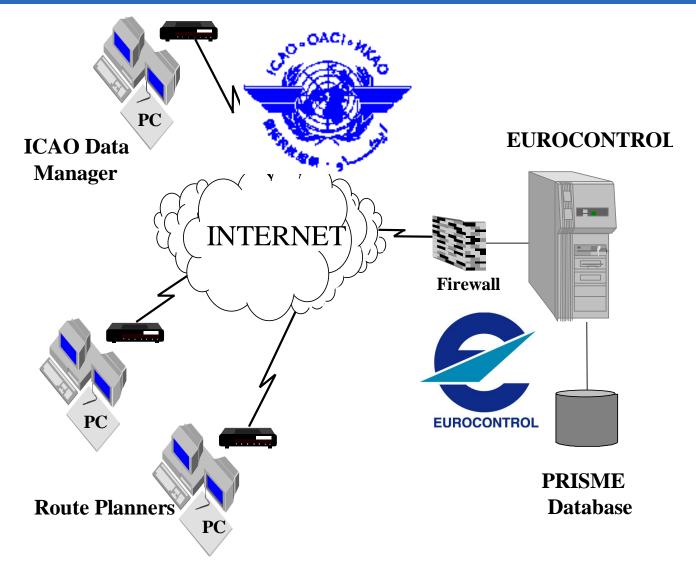
5LNC - need for dynamic change

ICARD designed to

- improve the process of establishment and identification of 5LNCs, in accordance with Annex 11 provisions
- Work in a safe environment using a unique and common database
 - Updating data regionally and globally
 - clearing duplicates,
 - Eliminating non-ICAO codes (5LNCs not originally coordinated with ICAO)



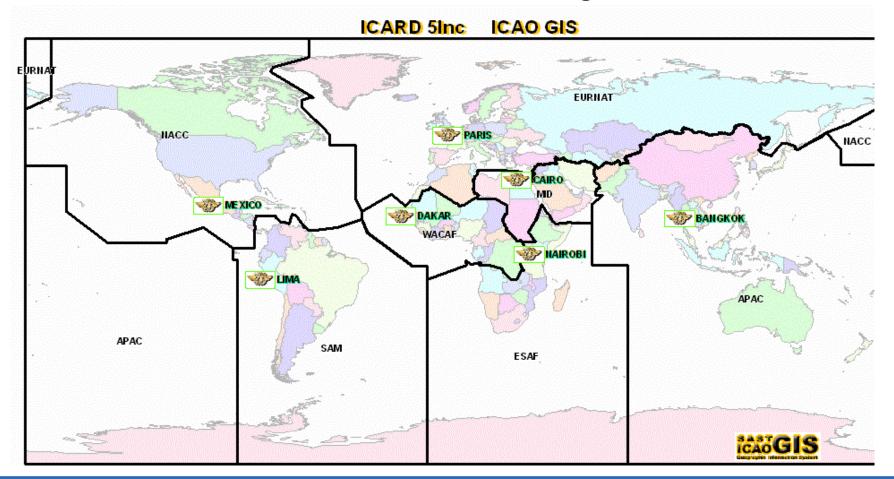
Web-based system developed: 1998





2010 : ICARD Global

- **≻27 August 2010**: full transfer from Eurocontrol to ICAO HQ
- >ICARD Database now available in all ICAO Regions





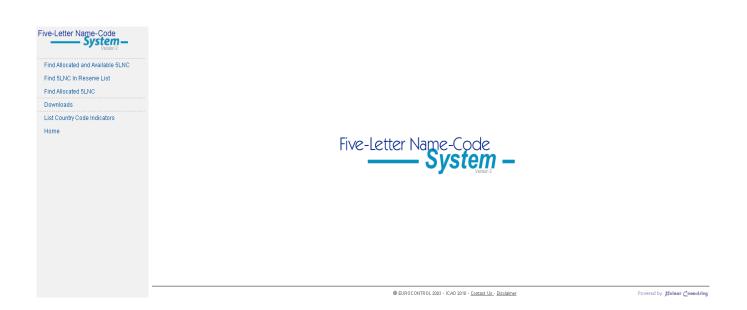
ICARD Application

- Public users have access to a limited number of functionalities to query the content of the database maintained by the staff of the ICAO Regional offices.
 - http://www2.icao.int/en/ICARD/default.aspx
- Only authorised users can make use of the application for reserving new codes from the reserve list while ensuring worldwide uniqueness. They will receive acknowledgment of their request from the ICAO Regional offices. Updates to the allocated 5LNCs will also be ensured through the following link
 - http://portal.icao.int/



ICARD for public users

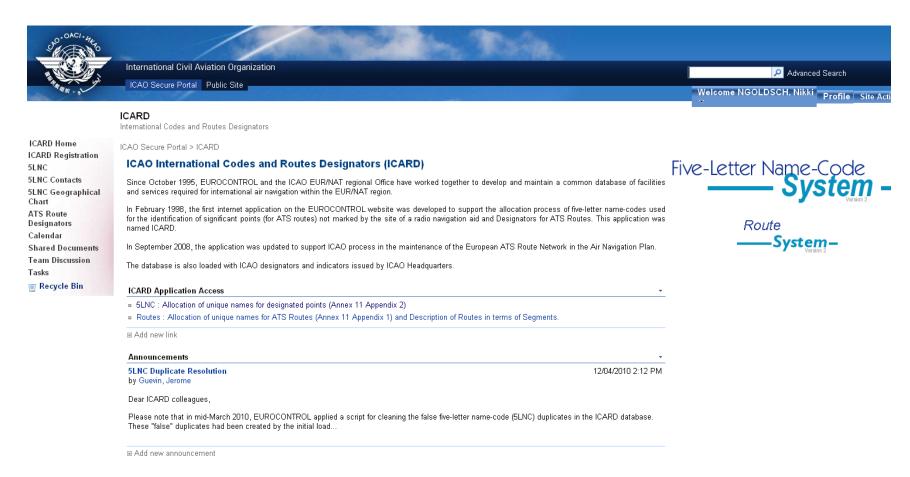
- > ICARD direct access:
 - http://www2.icao.int/en/ICARD
- ICARD menu for public users





ICARD access for route planners

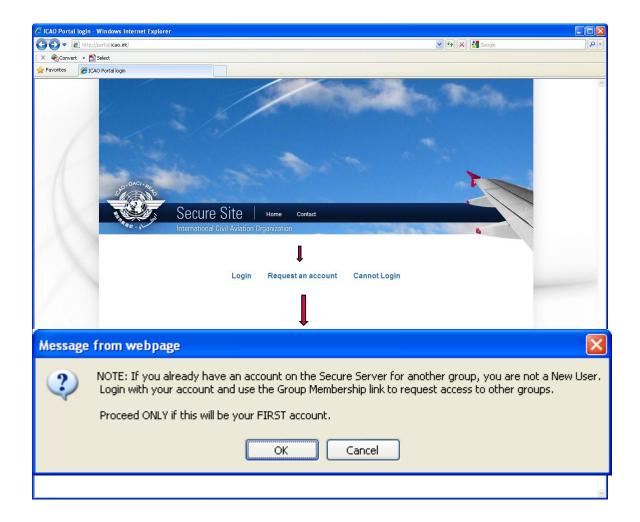
https://portal.icao.int



!! Route planners need prior registration

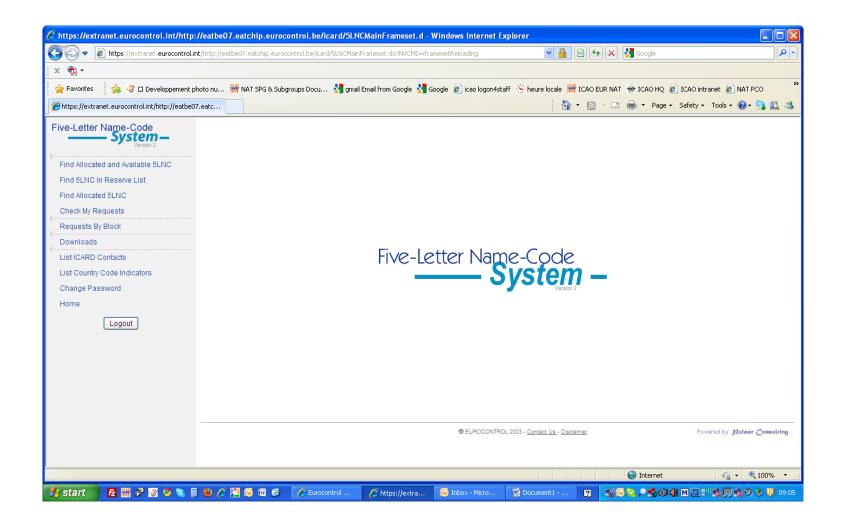


Creating an ICARD account





ICARD 5LNC authorised user menu





ICARD Focal Points

https://portal.icao.int/ICARD/Pages/5LNCContacts.aspx

ICAO Region	Primary Contact	Alternate
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Today's goals

For a successful implementation of ICARD global

- commitment of States to work in close coordination with the accredited ICAO Regional Office
 - > 5LNC lists comparison ICARD/AIPs
 - Clearing duplicates issues
 - » at regional level
 - » at global level



ICAO continuous support!

- Do not hesitate to contact
 - your ICARD data managers:
 Shane Sumner and Len Wicks,
 ICAO Bangkok

working in team with ICAO HQ and EUR/NAT



Future goals

Our next challenge

Develop a route designators system

— Thank you for your attention !

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