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EUR/NAT Office



International Civil Aviation Organization

ICAO Five-Letter Name-Code database (ICARD)

Nikki Goldschmid, ICAO EUR/NAT



5LNC - background information



- **Annex 11, Chapter 2, Appendix 2**
 - **Designators for significant points not marked by the site of a radio navigation aid**

- **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



5LNC - codes dispatch



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ODD PAGES

Allocation of odd-numbered pages to Regional Offices:

0: -> pages allocated to Nairobi office

Paris	Bangkok	Mexico	Dakar	Lima	Cairo
1 3 5	7 9	11	13	15	17
19 21 23	25 27	29	31	33	35
37 39 41	43 45	47	49	51	53
55 57 59	61				

Paris	Bangkok	Mexico	Dakar	Lima	Cairo
63 65 67	69 71	73	75	77	79
81 83 85	87 89	91	93	95	97
99 101 103	105 107	109	111	113	115
117 119 121	123 125	127	129	131	133
135 137 139	141 143	145	147	149	151
153 155 157	159 161	163	165	167	169
171 173 175	177 179	181	183	185	187
189 191 193	195 197	199	201	203	205
207 209 211	213 215	217	219	221	223
225 227 229	231 233	235	237	239	241
243 245 247	249 251	253	255	257	

Paris	Bangkok	Mexico	Dakar	Lima	Cairo
259 261 263	265 267	269	271	273	275
277 279 281	283 285	287	289	291	293
295 297 299	301 303	305	307	309	311
313 315 317	319 321	323	325	327	329
331 333 335	337 339	341	343	345	347
349 351 353	355 357	359	361	363	365
367 369 371	373 375	377	379	381	383
385 387 389	391 393	395	397	399	401
403					

Paris	Bangkok	Mexico	Dakar	Lima	Cairo
405 407 409	411 413	415	417	419	421
423 425 427	429 431	433	435	437	439
441 443 445	447 449	451	453	455	457
459 461 463	465 467	469	471	473	475
477 479 481	483 485	487	489	491	493
495 497 499	501 503	505	507	509	511
513 515 517	519				

ODD PAGES

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63 65 67	69 71	73	75	77	79
81 83 85	87 89	91	93	95	97
99 101 103	105 107	109	111	113	115
117 119 121	123 125	127	129	131	133
135 137 139	141 143	145	147	149	151
153 155 157	159 161	163	165	167	169
171 173 175	177 179	181	183	185	187
189 191 193	195 197	199	201	203	205



5LNC - Need for dynamic change

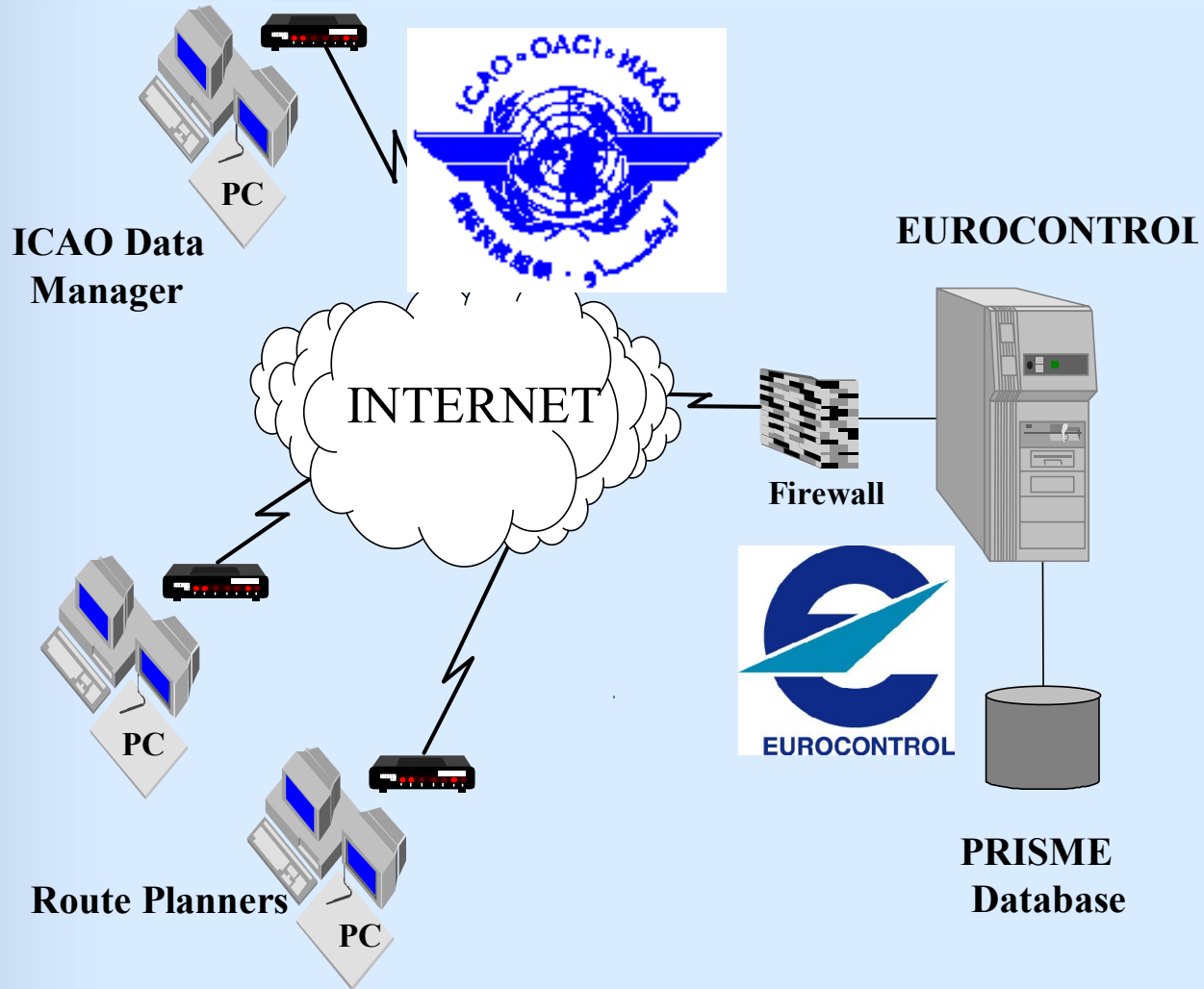
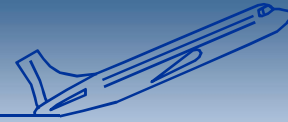


- **ICARD designed to**
 - **Meet requirements set in Annex 11, Chapter 2 (2.14) - Appendix 2**
 - **Ensure unique designators allocations (ICAO Strategic Objective A)**
 - **Enhance 5LNCs management worldwide (ICAO Strategic Objective D)**



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A web based system since 1998





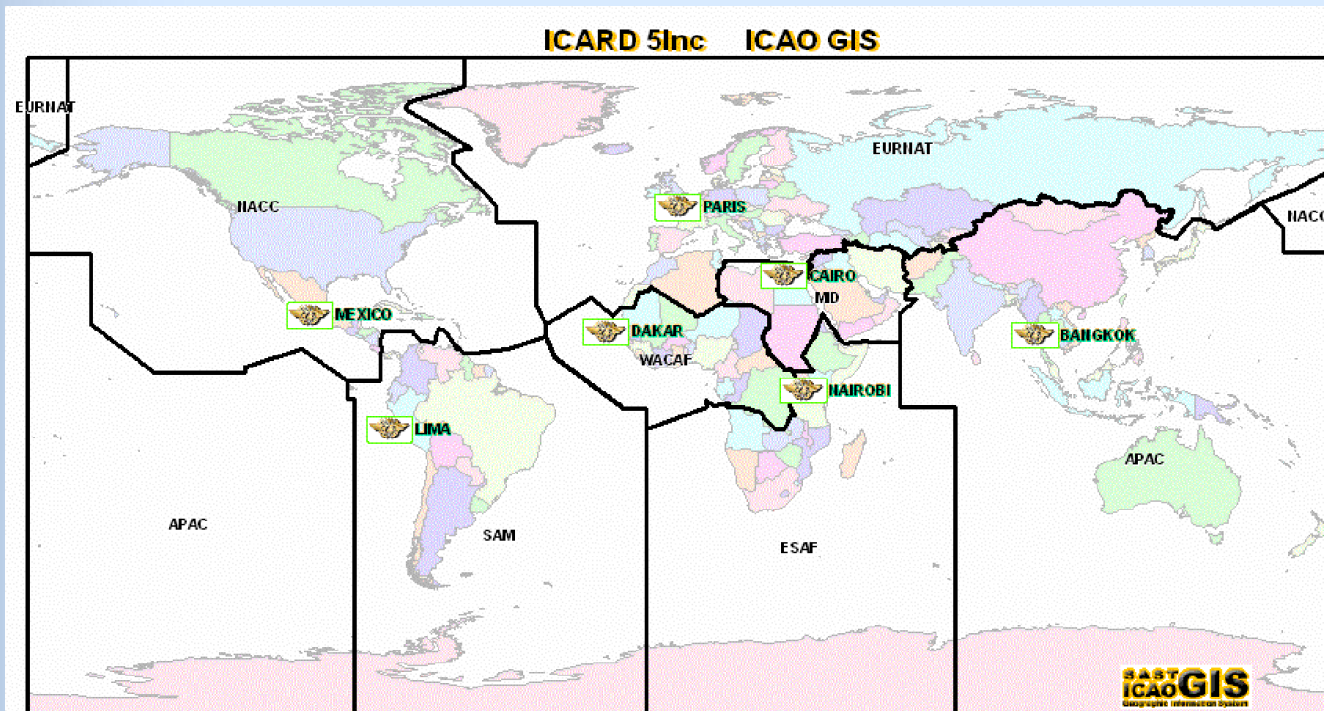
2010 ICARD global



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27 August 2010 : full transfer from Eurocontrol to ICAO HQ

Now available in all ICAO Regions





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ICARD for public users



ICARD direct access :

<http://www2.icao.int/en/ICARD/default.aspx>

http://www.eurocontrol.int/icard/public/subsite_homepage/homepage.html

ICARD menu for public users

Five-Letter Name-Code
System -
Version 2

Find Allocated and Available 5LNC
Find 5LNC in Reserve List
Find Allocated 5LNC
Downloads
List Country Code Indicators
Home

Five-Letter Name-Code
System -
Version 2

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Powered by [Jules Consulting](#)

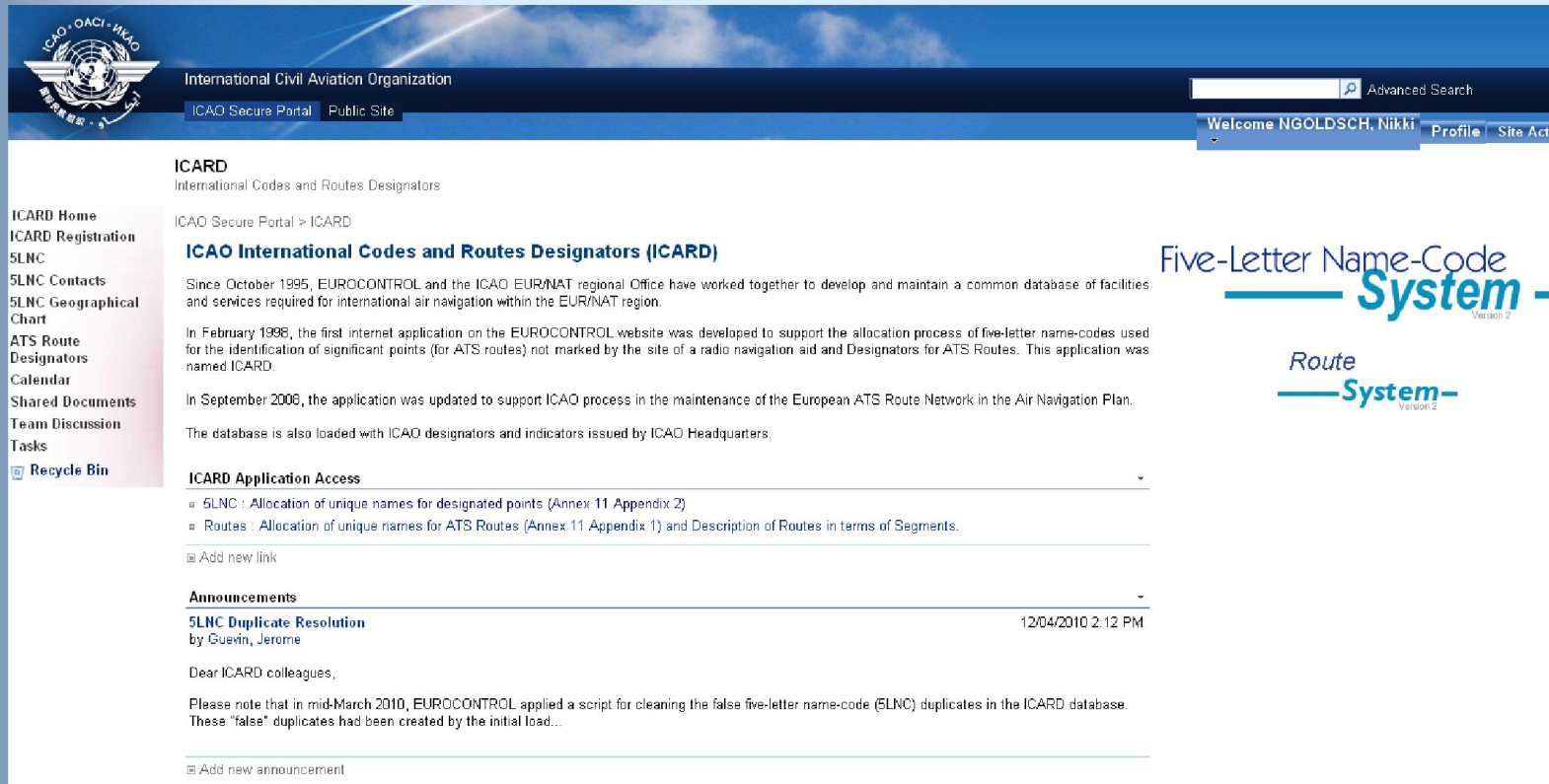


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ICARD access for route planners



<https://portal.icao.int>



The screenshot shows the ICAO ICARD website interface. At the top, there is a navigation bar with the ICAO logo, the text "International Civil Aviation Organization", and links for "ICAO Secure Portal" and "Public Site". A search bar with "Advanced Search" and a user greeting "Welcome NGOLDSCH, Nikki" with "Profile" and "Site Acti" links are also present.

The main content area is titled "ICARD" and "International Codes and Routes Designators". It includes a sidebar with navigation links: "ICARD Home", "ICARD Registration", "SLNC", "SLNC Contacts", "SLNC Geographical Chart", "ATS Route Designators", "Calendar", "Shared Documents", "Team Discussion", "Tasks", and "Recycle Bin".

The main text area contains the following information:

- ICARD International Codes and Routes Designators (ICARD)**
- Since October 1995, EUROCONTROL and the ICAO EUR/NAT regional Office have worked together to develop and maintain a common database of facilities and services required for international air navigation within the EUR/NAT region.
- In February 1998, the first internet application on the EUROCONTROL website was developed to support the allocation process of five-letter name-codes used for the identification of significant points (for ATS routes) not marked by the site of a radio navigation aid and Designators for ATS Routes. This application was named ICARD.
- In September 2006, the application was updated to support ICAO process in the maintenance of the European ATS Route Network in the Air Navigation Plan.
- The database is also loaded with ICAO designators and indicators issued by ICAO Headquarters.

There are two sections for "ICARD Application Access" and "Announcements":

- ICARD Application Access**
 - SLNC : Allocation of unique names for designated points (Annex 11 Appendix 2)
 - Routes : Allocation of unique names for ATS Routes (Annex 11 Appendix 1) and Description of Routes in terms of Segments.
 - Add new link
- Announcements**
 - SLNC Duplicate Resolution** by Guevin, Jerome (12/04/2010 2:12 PM)
 - Dear ICARD colleagues,
 - Please note that in mid-March 2010, EUROCONTROL applied a script for cleaning the false five-letter name-code (SLNC) duplicates in the ICARD database. These "false" duplicates had been created by the initial load...
 - Add new announcement

On the right side of the page, there are logos for "Five-Letter Name-Code System" (Version 2) and "Route System" (Version 2).

Route planners need prior registration



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ICAO Portal login - Windows Internet Explorer

http://portal.icao.int/

Convert Select

ICAO Portal login

ICAO - OACI - ИКАО

Secure Site | Home Contact

International Civil Aviation Organization

Login Request an account Cannot Login

Message from webpage

? NOTE: If you already have an account on the Secure Server for another group, you are not a New User. Login with your account and use the Group Membership link to request access to other groups.

Proceed ONLY if this will be your FIRST account.

OK Cancel



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ICARD- Authorised user menu



The screenshot shows a web browser window displaying the ICARD Five-Letter Name-Code System interface. The browser's address bar shows the URL: <https://extranet.eurocontrol.int/http://eatbe07.eatchip.eurocontrol.be/ficard/5LNCMainFrameset.do?WVCMD=framesetReloading>. The page features a navigation menu on the left with the following items: Find Allocated and Available 5LNC, Find 5LNC In Reserve List, Find Allocated 5LNC, Check My Requests, Requests By Block, Downloads, List ICARD Contacts, List Country Code Indicators, Change Password, Home, and a Logout button. The main content area displays the title "Five-Letter Name-Code System" with "Version 2" underneath. At the bottom of the page, there is a footer with the text "© EUROCONTROL 2003 - Contact Us - Disclaimer" and "Powered by JJulinet Consulting". The Windows taskbar at the bottom shows the Start button, several application icons, and the system tray with the time 09:05.



Search for existing code



Five-Letter Name-Code System Version 2

- Find Allocated and Available 5LNC
- Find 5LNC In Reserve List
- Find Allocated 5LNC
- Check My Requests
- Requests By Block
- Downloads
- List ICARD Contacts
- List Country Code Indicators
- Change Password
- Home

Find Allocated and Available 5LNC [HELP]

Reserve List
 Allocated List
 Both

Search Criteria

Code:

Show Map centered on

Latitude:

DDMM[SS.ss]H where H is 'N' or 'S'

Longitude:

DDDMM[SS.ss]H where H is 'E' or 'W'

Search Results

Available codes

Page 1 of 0

Allocated codes

Code	Type	Lat	Lon	Coord. States	Purpose	Decision Date	Action	Comment
MERLI	Non-ICAO	422844.68N	1231513.39W	USA		27/09/2000	D M	

Page 1 of 1

Code Deletion = D
Show Map = M



Search 5LNC with specific pattern



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Five-Letter Name-Code System Version 2

Find Allocated and Available 5LNC

Find 5LNC In Reserve List

Find Allocated 5LNC

Check My Requests

Requests By Block

Downloads

List ICARD Contacts

List Country Code Indicators

Change Password

Home

Find 5LNC in Reserve List [\[HELP\]](#)

Search Criteria

Search for:

Sound like:

Excluding the letter(s): (e.g.: A, T, S)

Region:

Random proximity search at

Radius of search(Nm.):

Latitude:

DDMM[SS.ss]H where H is 'N' or 'S'

Longitude:

DDDMM[SS.ss]H where H is 'E' or 'W'

Reserve list of:

Search Results

[PABDO](#)
[PABDU](#)
[PABGA](#)
[PABCI](#)
[PABMA](#)
[PABVI](#)
[PABVU](#)

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Power



Search sound-like 5LNC



Five-Letter Name-Code System Version 2

- Find Allocated and Available 5LNC
- Find 5LNC In Reserve List
- Find Allocated 5LNC
- Check My Requests
- Requests By Block
- Downloads
- List ICARD Contacts
- List Country Code Indicators
- Change Password
- Home

Find 5LNC in Reserve List [HELP]

Search Criteria

Search for:

Sound like:

Excluding the letter(s): (e.g.: A, T, S)

Region:

Random proximity search at

Radius of search(Nm.):

Latitude:

DDMM[SS.ss]H where H is 'N' or 'S'

Longitude:

DDDMM[SS.ss]H where H is 'E' or 'W'

Reserve list of:

Search Results

EK RAT	IXIRU									
EK RED	IXORI									
EK RET	IXORO									
EK RID	IXORU									
EK ROD	IXURA									
EK RUD	IXURI									
EK RUT	IXURO									
IXIRA	IXURU									
IXRI	OKROD									
IXRO	OKRUT									



Random search from given coord



Find 5LNC in Reserve List [HELP]

Search Criteria

Search for:

Sound like:

Excluding the letter(s): (e.g.: A, T, S)

Region: ▼

Random proximity search at

Radius of search(Nm.):

Latitude:
DDMM[SS.ss]H where H is 'N' or 'S'

Longitude:
DDDMM[SS.ss]H where H is 'E' or 'W'

Reserve list of: ▼

Search Results

IVBAB	GATGA	GITEP
LOLNO	UBULI	ITYOM
OTSOR	EMGES	XEBIT
KUDED	ODPEK	UMUBA
NUBYA	KUVEX	XITYI
ADBIB	ABGIP	NUPLU
ELMAD	NAXEN	EVIBO
IVLIB	LELPI	IBRIY
ADUTI	ELGOK	ERSAD
EKLOR	IBRIG	OSLEK



Status of 5LNCs



Codes for 5LNCs:

- **blue codes are available**
 - **Underlined 5LNCs are active and available for your region**
 - the authorised user selects and proceeds with the request
 - **If not active (not underlined) = available but belongs to another region**
 - Contact your data manager who will coordinate with the other ICAO Region and check whether transfer is possible
- **orange codes are pending for approval**
- **red codes are already allocated**



Posting a request



ICARD - Request for Code Allocation - Mozilla Firefox

icaao.int https://icard.icao.int/ICARD_SLNC/CiController.do?COM=ShowModifAddRequestPopupPage&Id=10161040

Request for Code Allocation

PELIB

[HELP]

Latitude: DDMM[SS.ss]H where H is 'N' or 'S' Proximity Search

Longitude: DDDMM[SS.ss]H where H is 'E' or 'W'

Purpose: Proximity check done

Comment:

Requested by: Nicole Guillerot France

For Countries :
FRA France Delete co-ordinating country:
 Add co-ordinating country:

Done



Sound-like proximity is mandatory



- **500NM is the radius currently determined as safe for a sounding like proximity**
- **Checking sound like proximity is the responsibility of the route planner**
 - **The route planner will check the adequacy of the results obtained with the « list » function**
- **The data manager will refuse requests that are not safety checked and confirmed.**



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Sound like check with list view

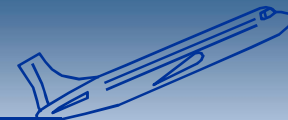


The screenshot shows a Mozilla Firefox browser window titled "List Proximity Codes - Mozilla Firefox". The address bar contains the URL: https://icard.icao.int/ICARD_5LNC/ListProximityPopupPage.do?nameCode=PELIB&lat=480740n&lon=0073010w. The main content area displays a table with two columns: "Name Code" and "Distance in nautical miles". The table lists 30 proximity codes and their corresponding distances.

Name Code	Distance in nautical miles
PHILI	86
PELIK	193
PELIG	304
RELVA	382
TELBA	413
DELBO	437
XELPI	491
PAULI	493
PALIO	542
BELPA	597
TEIVI	612
POLLY	617
BELOB	661
PELAT	681
BELVU	705
BELEP	712
POLOP	731
ERLIB	747
PELOM	748
PELET	764
BELFE	790
PELIX	809
BELAP	819
PELUX	833
GELPA	838
PILEV	844
BELUV	846
PELOK	847
PHALO	877
RELBI	892
PELOT	894



Proximity check with MAP view



ICARD - Map - Windows Internet Explorer

https://icard.icao.int/ICARD_5LNC/CiController.do?COM=showICARDMap&TIMESTAMP=788&DUMMYFILE=.svg&LATITUDE=480740N&LONGITUDE=0073010W&UPDATE_PREFERENCE=true&JSEI

File Edit View Favorites Tools Help

Convert Select

Map Projection : EUROPE (default)

Map Precision : Low (Default)

Display Area in Nautical Miles : 500

Label Size : Medium (default)

Refresh Map

Longitude : 0073010W
Latitude : 480740N

Problem viewing the map? Click here

Internet 100%



Reminding Safety issues



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Warnings are prompted to draw the authorised user's attention on the necessity to modify the request.

https://extranet.eurocontrol.int/http://eatbe07.eatchip.eurocontrol.be/icard/protected/PostRequ - Windows Int...
https://extranet.eurocontrol.int/http://eatbe07.eatchip.eurocontrol.be/icard/protected/PostRequestSuccessPage.do?

ETEKI

Your request is successfully recorded in the database

Latitude:	4520N
Longitude:	0042235E
Purpose:	
Comment:	test ngoldschmid
Requested by:	Nikki qini LIN France
Proximity check done:	No
For Countries:	F-France

Attention, checking proximity is a requirement for data managers to accept your request!

Warning : This code is close to another existing point

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Internet 100%



Check my request



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➤ Possible modifications for pending requests

https://extranet.eurocontrol.int/http://eatbe07.eatchip.eurocontrol.be/icard/protected/5LNCMain - Windows Internet Explorer

https://extranet.eurocontrol.int/http://eatbe07.eatchip.eurocontrol.be/icard/protected/5LNCMainFrameset/5LNCApplicationFrame/...

Check My Requests

Search Criteria

Code:

Submission Date: from to

Search Results

Code	Request	Lat	Lon	Subm. Date	Coord.
ETEKI	ALLOCATION	4520N	0042235E	03/03/2010	F
GDARI	ALLOCATION	4520N	0042235E	03/03/2010	F

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ICARD - Request for Code Allocation - Windows Internet Explorer

https://extranet.eurocontrol.int/redirect/http://eatbe07.eatchip.eurocontrol.be/icard/CIController.do?COM=ShowModfAddRequestPopUpPage&id=...

Request for Code Allocation

ETEKI [HELP]

Latitude: DDMM[SS.ss]H where H is 'N' or 'S' Proximity Search

Longitude: DDDMM[SS.ss]H where H is 'E' or 'W'

Purpose: Proximity check done

Comment:

Requested by: Nikki qini LIN France

For Countries: F France Delete co-ordinating country:

--Other-- Add co-ordinating country:

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On-line Downloads



The screenshot shows a web browser window titled "ICARD - Downloads - Windows Internet Explorer". The address bar displays the URL: <https://extranet.eurocontrol.int/http://eatbe07.eatchip.eurocontrol.be/icard/SLNCDMainFrameset.do?NVCMD=framesetReloading>. The browser's Favorites bar shows several links, including "ICARD - Downloads".

The main content area of the page is titled "Five-Letter Name-Code System - Version 2" and "Downloads [HELP]". On the left side, there is a navigation menu with the following items: "Find Allocated and Available 5LNC", "Find 5LNC In Reserve List", "Find Allocated 5LNC", "Check My Requests", "Requests By Block", "Downloads", "List ICARD Contacts", "List Country Code Indicators", "Change Password", and "Home". A "Logout" button is located at the bottom of this menu.

The main content area contains four sections, each with a "Launch Report" button:

- List All Per Country**: Region: [Please Select a region], Countries: France
- List All Per Code**: Region: [Please Select a region], Countries: France
- List Duplicates Per Country**: Region: [Please Select a region], Countries: France
- List Duplicates Per Code**: Region: [All], Countries: [All]

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Next steps to ICARD global



- ◆ **5LNC lists comparison ICARD/AIPs**

- ◆ **Clearing duplicates issues**
 - » **at regional level**
 - » **at global level**

Our next challenge :

Develop a route designators system



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Merci !



Thank you for your attention !

Nikki Goldschmid 林琪妮

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