New IHO S63 1.1 Public Key for ECDIS

Please refer to below general Public Key installation information as well as attached Furuno specific info for installation of new IHO S63 1.1 Public Key for ECDIS.

How to Install a New IHO Certificate in ECDIS.

The current IHO certificate, which holds the public key for the S-63 decryption, is due to expire in August 2013. The IHO has recently released a new certificate, which is valid until 2033. To obtain this new certificate it is recommended to visit the IHO website and download the file 'New IHO Certificate Expires 2033'.



Extract the IHO.CRT file from the downloaded ZIP file and store the IHO.CRT on a removable media (e.g. USB Drive) in order to transfer it into <u>ECDIS</u>. S-63 Edition 1.0 CDs have a certificate stored on the CD itself, so the IHO.CRT stored in <u>ECDIS</u> is not needed for S-63 Edition 1.0 charts.

S-63 Edition 1.1 Media will not have a certificate on the media. For S-63 Edition 1.1 the IHO.CRT file stored in the <u>ECDIS</u> will be used. If the stored IHO.CRT has expired a warning will be generated during the import of S-63 charts, but the import will proceed anyhow.

Please find <u>here</u> the download link.

FEA-2107 Public Key Installation

8.6.11 How to manage public key from an RENC, JHA

The procedure below shows how to manage a public key. There are two types of public keys:

- RENC: Primar, AVCS (file name: PRIMAR.PUB)
- JHA (file name: IHO.PUB)

You must load a public key when you load a chart.

1. Select Chart Permits from the Chart menu.

Chart Pe	rmits	Source fi	lter	×
Select	All	ALL	▶	Public Key
Unselec	t All			
Cell	Expir	res Type	e Edt	
B13VLBNK DE221000	(2003 (2003	7 31) S 7 31)	2-	Non-HO
DE316001 DE316002	(2003 (2003	731)S 731)S	3- 3-	Remove
DE316003 DE316003	(2003)	7 31) S 7 31)	4-	Load File
DE316004	(2003	7 31) S 7 31) S	1-	Backup
DE416010	(2003	7 31) S	2-	Баскир
DE416020 DE416030	(2003)	7 31) S 7 31) S	4- 3- 🔽	Enter Manual

2. Click the **Public Key** button to show the Public Key Dialog box.

Public Key D	ialog													X
// BIG p FCA6 82CE 01F3 5B91	8E12 A47E	CABA 6DF6	26EF 3413	CCF7 C5E1	110E 2ED0	526D 899B	B078 CD13	B05E 2ACD	DECB 50D9	CD1E 9151	B4A2 BDC4	08F3 3EE7	AE16 3759	17AE 2E17.
// BIG q 962E DDCC // BIG q	369C	BA8E	BB26	0EE6	B6A1	26D9	346E	38C5.						
6784 7182 3503 0871 // BTG v	7A9C FD73	F44E DA17	E91A 9069	49C5 B32E	147D 2935	B1A9 630E	AAF2 1C20	44F0 6235	5 A4 3 4 D 0 D	4D64 A20A	8693 6C41	1D2D 6E50	1427 BE79	1B9E 4CA4.
						Loa	ad Ne	W						

Public key dialog box for PRIMAR, AVCS

Public Key D	ialog													X
// BIG p FCA6 82CE 01F3 5B91	8E12 A47E	CABA 6DF6	26EF 3413	CCF7 C5E1	110E 2ED0	526D 899B	B078 CD13	B05E 2ACD	DECB 50D9	CD1E 9151	B4A2 BDC4	08F3 3EE7	AE16 3759	17AE 2E17.
962E DDCC	369C	BA8E	BB26	0EE6	B6A1	26D9	346E	38C5.	•					
6784 71B2 3503 0B71 // BIG y	7A9C FD73	F44E DA17	E91A 9069	49C5 B32E	147D 2935	B1A9 630E	AAF2 1C20	44F0 6235	5A43 4D0D	4D64 A20A	8693 6C41	1D2D 6E50	1427 BE79	1B9E 4CA4.
						Loa	ad Ne	W						

Public key dialog box for JHA

3. Insert the floppy disk/CD-ROM/USB memory that contains the public key then click the **Load New** button to load a new public key. The "Permit load" dialog box appears.



4. Select "PRIMAR.pub" (or IHO.PUB) from the Contents window then click the **Load** button. The Public Key Dialog box appears, showing the contents loaded to the ECDIS.

ſ	Public Key D	ialog													×
	// BIG p FCA6 82CE 01F3 5B91 // BTG 2	8E12 A47E	CABA 6DF6	26EF 3413	CCF7 C5E1	110E 2ED0	526D 899B	B078 CD13	B05E 2ACD	DECB 50D9	CD1E 9151	B4A2 BDC4	08F3 3EE7	AE16 3759	17AE 2E17.
	962E DDCC	369C	BA8E	BB26	0EE6	B6A1	26D9	346E	38C5	•					
	6784 71B2 3503 0B71 // BIG y	7A9C FD73	F44E DA17	E91A 9069	49C5 B32E	147D 2935	B1A9 630E	AAF2 1C20	44F0 6235	5A43 4D0D	4D64 A20A	8693 6C41	1D2D 6E50	1427 BE79	1B9E 4CA4.
	96EF 14E3	2BA5	3729	28F2	4F15	B073	0C49	D31B	28E5	C764	1002	564D	B959	95B1	5CF8
	800E D54E	3548	67B8	2889	597B	1582	69EO	79F0	C4F4	926B	1776	1CCB	9EB7	7C98	7EF8
	View Cu	rrent					Loa	ad Ne	ew.				Ac	cept	New

5. To accept the contents, click the **Accept New** button to accept the new public key. (Click the X button if you don't accept.)

FMD ECDIS Public Key Installation

The procedure below shows how to install a public key. Public keys are used with ENC charts that support S-63 authorization. The public key is pre-installed; however, you must install a new public key whenever you install new chart or updates to existing charts.

Generally, there are two types of public keys:

- RENC: For example, Primar (file name: PRIMAR.PUB)
- JHA (file name: IHO.PUB)

You must load a public key whenever you load a chart.

- 1. Insert the media that contains the public key.
- 2. Get into the chart maintenance mode then click the [Public Key] button on the Instant Access Bar.

Se	elec	t Public Key	_×
		Public Key Name	
		IHO.PUB	Activate
	А	PRIMAR.pub	
			Display Content
	_		
		Load New Key	Close

- 3. Click the [Load New Key] button to show the [Open File] dialog box.
- 4. Select the applicable .pub file from the [Open File] dialog box then click the [Open] button. The [Public Key] dialog box reappears.
- 5. Click the [Display Content] button on the [Public Key] dialog box to show the display contents.



6. To accept the contents, click the [Activate] button.