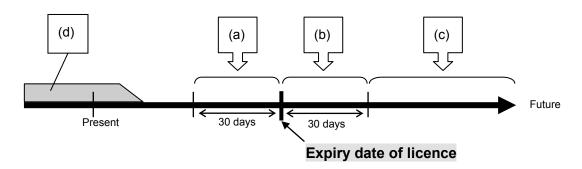
Section 3 ARCS Charts

3.1 About ARCS Charts

Licences (Chart Permits) have an expiry date.



- (a) For 30 days before expiry date of licence
 A warning message is displayed. Please refer to "Notice regarding Alert Information of ARCS Charts" provided as a reference document at the end of this document.
- (b) For 30 days after expiry date of licence
 An error message is displayed. Please refer to "Notice regarding Alert Information of ARCS Charts" provided as a reference document at the end of this document.
 Although the licence has been disabled, ARCS charts can be displayed continuously.
- (c) From 30 days after expiry date of licence

A warning message is displayed. Chart permits are disabled and no ARCS charts are displayed. Please refer to "Notice Regarding Alert Information of ARCS Charts" provided as a reference document at the end of this document.

- (d) If charts that have been displayed so far can no longer be displayed, the following causes may be considered.
 - ARCS charts are of trial version (free for 3 months).
 - The details of the contract were changed.

Caution:

• Regarding the contents of the contract, please check with the chart contractor or chart dealer.

3.2 Importing ARCS Charts

3.2.1 Importing Chart Permit Files

Import ARCS chart permit files according to the following procedure.



When importing/exporting files using USB memory, be sure to check for viruses on USB memory in advance. If the ECDIS is infected with a virus, it will affect other devices, leading to failures.



Never leave USB memory in the USB port. It may cause malfunction.

Caution:

If the received chart permit files are "Backup gb.lcn" and "Backup gb.ncp", rename them to "gb.lcn" and "gb.ncp". With chart permit file names other than "gb.lcn" and "gb.ncp", ARCS charts cannot be imported correctly.

Do not alter the contents of chart permit files. If the contents of chart permit files were altered,

ARCS charts cannot be imported correctly.

3.2.1.1 Importing Chart Permit Files from CD/DVD Media (Automatic Import)

The following example describes the procedure for importing chart permit files from CD/DVD media.

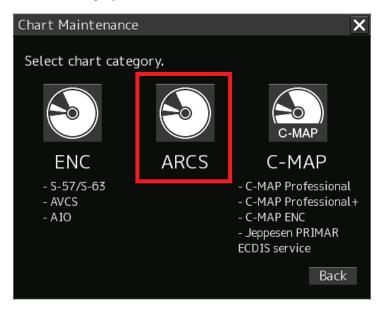
- 1) Start Chart Maintenance from Task Menu.
- 2) In the Home window, click the [Import / Update Licence file] button.

<Home Window>

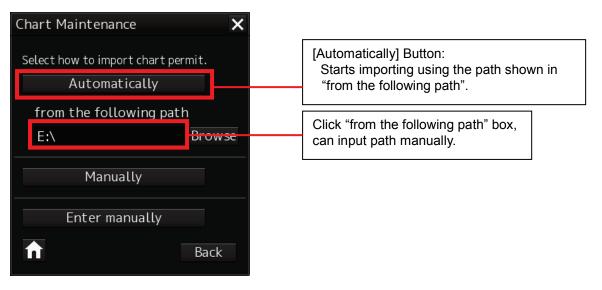


3) In the Chart Category Selection window, click the [ARCS] button.

<Chart Category Selection Window>



- 4) Insert CD/DVD medium on which the ARCS chart permit files are stored and wait until import becomes ready.
- 5) In the Chart Permit Import Selection window, click the [Automatically] button. Search a chart permit file from the path (CD/DVD drive) shown in "from the following path" and start importing it.



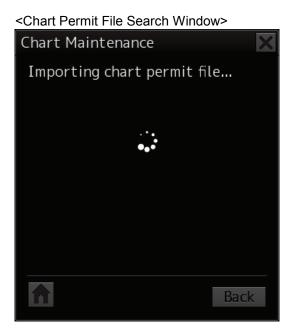
<Chart Permit Import Selection Window>

If a chart permit file cannot be found, a file not found error message appears in the text box. By referring to "3.2.1.3 If a Chart Permit File Cannot Be Detected", respecify a path.

<Chart Permit File Not Found Window>

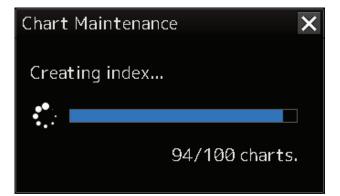


 <Chart Permit File Import Search Window> Search a chart permit file.



 <Chart Permit File Import Window> Import the detected chart permit file to the system.

<Chart Permit File Import Window>



If the chart permit file is incorrect:

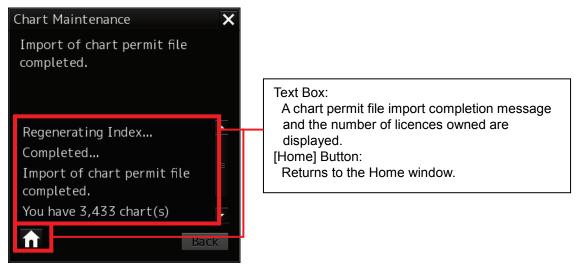
If a chart permit file is incorrect, an error message appears in the text box.

Return to the Home window by pressing the [Home] button, prepare a normal chart permit file and then redo import operation.

<File Import Error Window>

Chart Maintenance	
[ARCSØ1] The contents of the 🛋	
GB.LCN file have been altered. You may be in breach of the	
licensing arrangements that relate to the use of the chart.	
Licence is invalid Diasce	[Home] Button:
Back	Returns to the Home window.

- Examples of error messages if a chart permit file is incorrect
 - ARCS01 The contents of the GB.LCN file have been altered. You may be in breach of the licensing arrangements that relate to the use of the charts. Licence is invalid. Please contact your ARCS agent/distributor to correct this error.
 - ARCS02 Chart Permit corrupted. Please re-load from the original media.
- 6) When the import of the chart permit file is completed, a completion message and the number of licences owned appear in the text box, so check the result.
 - <Chart Permit File Import Completion Window>



7) Click the [Home] button to finish importing.

3.2.1.2 Importing Chart Permit Files from USB Memory (Manual Import)

When importing chart permit files from devices other than the CD/DVD drive, such as USB memory and a hard disk, set up the import path first and then import them.

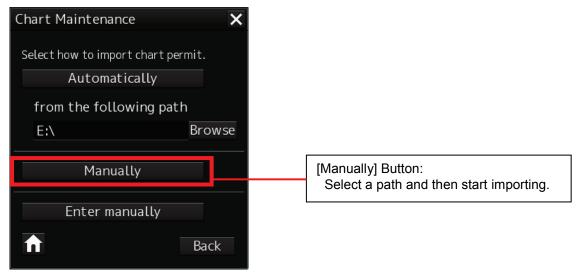
The following example describes the procedure for importing chart permit files from USB memory (F drive).

- 1) Start Chart Maintenance from Task Menu.
- 2) In the Home window, click the [Import / Update Licence file] button.
- 3) In the Chart Category Selection window, click the [ARCS] button.

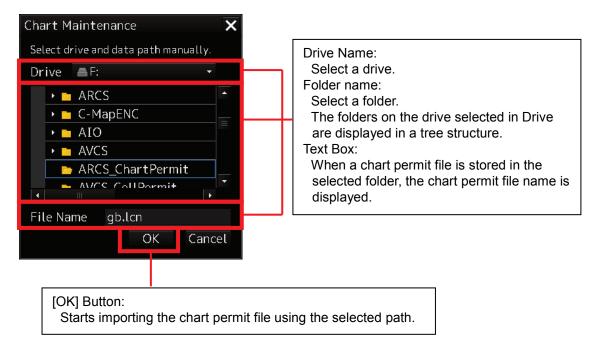
(The operation is the same as described in "3.2.1.1 Importing Chart Permit Files from CD/DVD Media (Automatic Import) up to here.)

- 4) Insert USB memory on which the chart permit files are stored and wait until import becomes ready.
- 5) In the Chart Permit Import Selection window, click the [Manually] button. The Chart Permit File Path Selection window appears.

<Chart Permit Import Selection Window>



6) Specify USB memory (F drive) in Drive. Also, specify a folder containing a chart permit file. When a folder containing a chart permit file is selected, the chart permit file name is displayed in the text box.

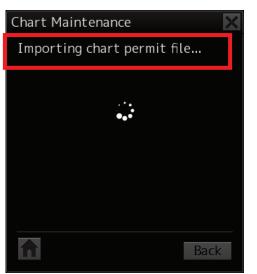


<Path Selection Window>

Caution:

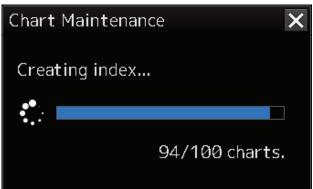
- When ARCS Chart Permits are supplied by E-mail, save the two files, gb.lcn and gb.ncp files (ARCS Chart Permit), attached to E-mail to the USB memory. Insert USB memory and select [F:] (F drive).
- Save only the gb.lcn and gb.ncp files to USB memory without saving the entire E-mail.
- If the gb.lcn files are compressed, decompress them first and then save them to USB memory.

7) Click the [OK] button. The import of the chart permit files start using the selected path.



<Chart Permit File Import Start Window>

<Chart Permit Import Window>



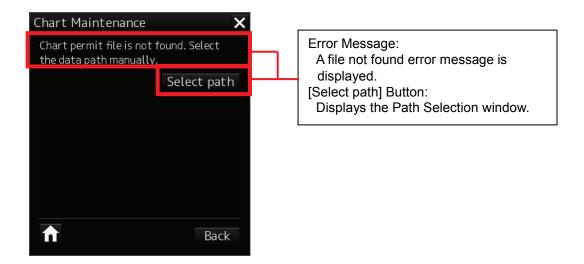
- 8) When the import of the chart permit files are completed, a completion message and the number of licences owned appear in the text box, so check the result.
- 9) Click the [Home] button to finish importing.

3.2.1.3 If a Chart Permit File Cannot Be Found (Resume by Specifying a Path)

If a chart permit file cannot be found in the Chart Permit File Search window, a file not found error message appears in the text box. Click the [Select path] button to respecify a path.

The following example describes the procedure from how to specify a path to how to resume importing a chart permit file by changing to USB memory (F drive).

<Chart Permit File Not Found Window>



- 1) In the Chart Permit File Not Found window, click [Select path]. The Path Selection window appears.
- Specify USB memory (F drive) in Drive. Also, specify a folder containing a chart permit file. When a folder containing a chart permit file is selected, the chart permit file name is displayed in the text box.

Chart Maintenance × Select drive and data path manually Drive 🛛 📇 F: Drive Name: Select a drive. ARCS Folder Name: C-MapENC Select a folder. 🕨 🗖 🖌 The folders on the drive selected in Drive AVCS are displayed in a tree structure. ARCS_ChartPermit Text Box: AVCC CollDormi+ When a chart permit file is stored in the selected folder, the chart permit file name is File Name gb.lcn displayed. Cancel OK [OK] Button: Resume importing the chart permit file using the selected path.

<Path Selection Window>

3) Click the [OK] button. The import of the chart permit file start using the selected path.

<Chart Permit File Search Window>

Chart Maintenance	X
Importing chart permit file	
•••	
Back	<

- 4) When the import of the chart permit file is completed, a completion message and the number of licences owned appear in the text box, so check the result.
- 5) Click the [Home] button to finish importing.

3.2.1.4 Changing a Path to Use for Automatic Import

If a path is selected with the [Browse] button when always using USB memory to import Chart Permit data, the selected path will be saved as a path used by the automatic import Chart Permit data can then be imported with the [Automatically] button from the saved path thereafter.

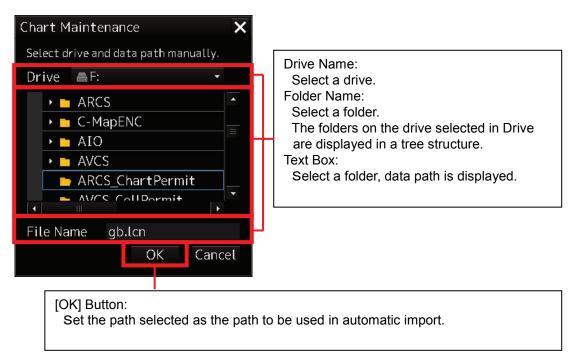
The following example describes how to change path used by the automatic import by changing to USB memory (F drive).

- 1) Start Chart Maintenance from Task Menu.
- 2) In the Home window, click the [Import / Update Licence file] button.
- In the Chart Category Selection window, click the [ARCS] button.
 (The operation is the same as described in "3.2.1.1 Importing Chart Permit Files from CD/DVD Media (Automatic Import) up to here.)
- 4) Insert USB memory on which the chart permit files are stored and wait until import becomes ready.
- 5) In the Chart Permit Import Selection window, click the [Browse] button. The Chart Permit File Path Selection window appears.

<Chart Permit Import Selection Window>



6) Specify USB memory (F drive) in Drive. Also, specify a folder containing a chart permit file. When a folder containing a chart permit file is selected, the chart permit file name is displayed in the text box.



<Path Selection Window>

7) Click the [OK] button. Set the path selected as the path to be used in automatic import.

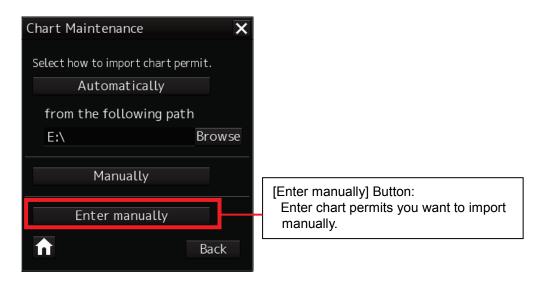


3.2.1.5 Manually Entering a Chart Permit

If chart permits cannot be imported from a chart permit file, they can be manually entered with the [Enter manually] button.

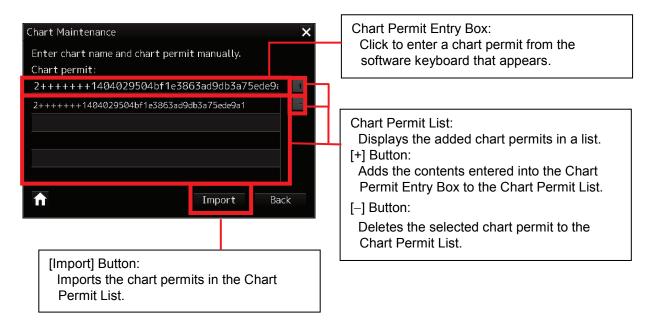
- 1) Start Chart Maintenance from Task Menu.
- 2) In the Home window, click the [Import / Update Licence file] button.
- In the Chart Category Selection window, click the [ARCS] button.
 (The operation is the same as described in "3.2.1.1 Importing Chart Permit Files from CD/DVD Media (Automatic Import) up to here.)
- 4) In the Chart Permit Import Selection window, click the [Enter manually] button. The Chart Permit Manual Entry window appears.

<Chart Permit Import Selection Window>



5) Click the Chart Permit Entry Box. Using the software keyboard that appears, enter a chart permit.

<Chart Permit Manual Entry Window>



- 6) Click the [+] button. The entered chart permit is added to the Chart Permit List.
- 7) Click the [Import] button. The import of the chart permits being displayed in the list starts.
- 8) When the import of the chart permit file is completed, a completion message and the number of licences owned appear in the text box, so check the result.
- 9) Click the [Home] button to finish importing.

3.2.2 Importing Charts

3.2.2.1 Importing Charts from CD/DVD (Automatic Import)

The following example describes the procedure for importing ARCS charts from CD/DVD media.

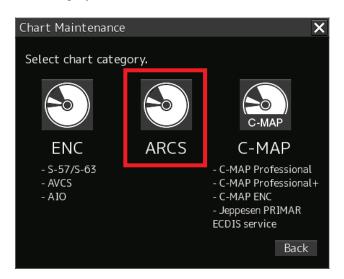
- 1) Start Chart Maintenance from Task Menu.
- 2) In the Home window, click the [Import / Update charts] button.

<Home Window>



3) In the Chart Category Selection window, click the [ARCS] button.

<Chart Category Selection Window>



4) Insert CD/DVD medium on which chart data is stored and wait until import becomes ready.

5) In the Chart Import Selection window, click the [Automatically] button. Search chart data from the path shown in "from the following path" and start importing it.

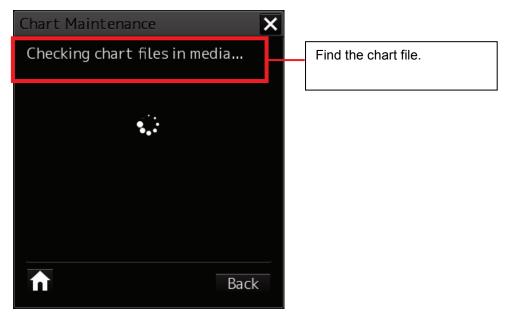
<Chart Import Selection Window>

Chart Maintenance 🗙	
Select how to import charts. Automatically	[Automatically] Button: Starts importing using the path shown in "from the following path".
from the following path E:\ Manually	Click "from the following path" box, can input path manually.
f Back	

Chart Search Window

Search chart file.

<Chart Search Window>



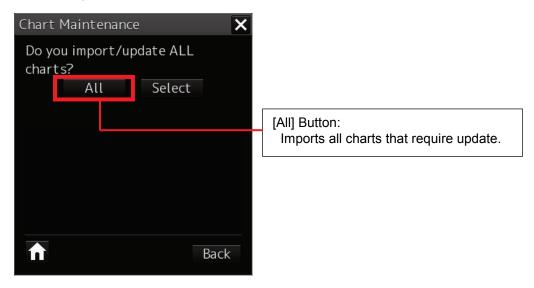
If chart data cannot be found, a data not found error message appears. By referring to "3.2.2.3 If Chart Data Cannot Be Found (Resume by Specifying a Path)", respecify a path.

<Chart Not Found Window>



 When chart data check is completed, the Chart Import Method Selection window appears. Click the [All] button. The import of all chart data starts.

In the case of chart update, all the charts newer than already imported charts will be imported from charts with chart licence.

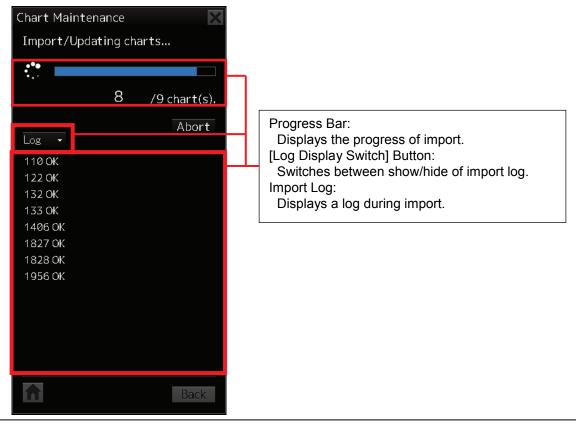


<Chart Import Method Selection Window>

When the [Select] button is selected, individual charts can be selected for import. For detailed operation, please refer to "3.2.2.5 Importing Charts by Selecting".

Chart Import Progress Window

When chart import is started, the number of imported charts is displayed. Also, the progress is shown by a progress bar.

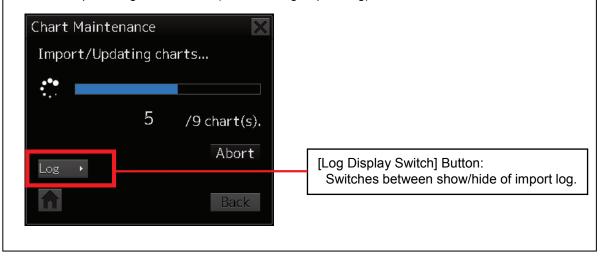


<Chart Import Progress Window (When Displaying Import Log)>

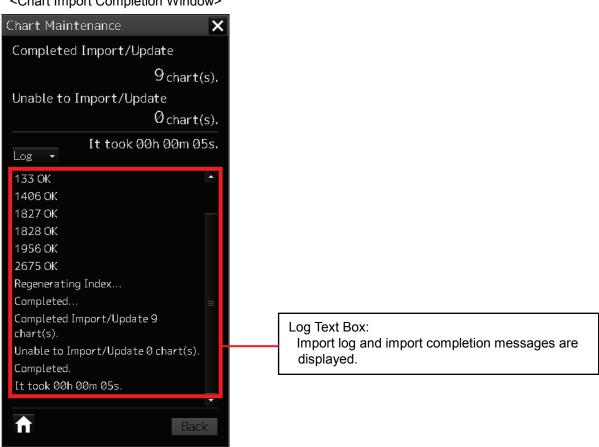
When the [Log Display Switch] button is selected:

When the [Log Display Switch] button is clicked while importing, the log text box is hidden.

<Chart Import Progress Window (When Hiding Import Log)>



7) When the import of chart data is finished, the number of imported charts is displayed. List of messages for each chart appears in the log text box.

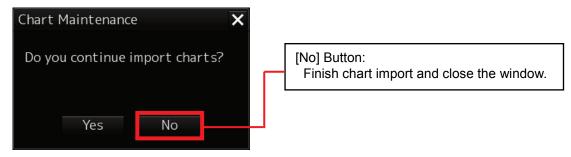


<Chart Import Completion Window>

8) In the case of CD/DVD media, the following chart import continuation confirmation dialog appears after import is completed.

If there are no more CD/DVD media from which to import charts, click the [No] button. Finish chart import and close the window.

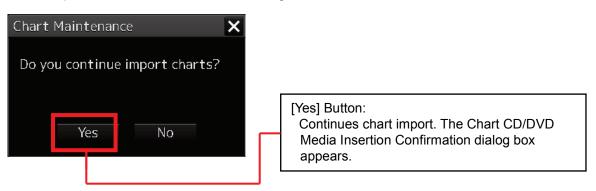
<Chart Import Continuation Confirmation Dialog Box>



If there are still chats to be imported:

If there are still charts that need to be imported, click the [Yes] button in the Chart Import Continuation dialog box. The Chart CD/DVD Media Insertion window appears, so change CD/DVD medium and click the [OK] button.

<Chart Import Continuation Confirmation Dialog Box>



<Chart CD/DVD Media Insertion Confirmation Dialog Box>

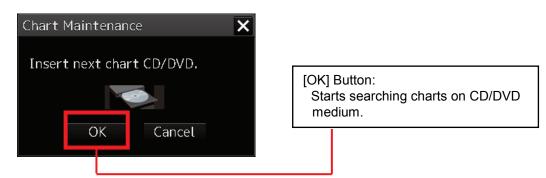
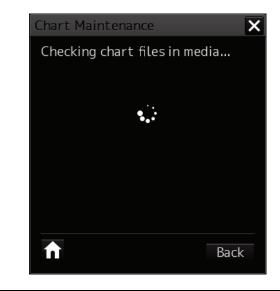


Chart data search is performed. For succeeding operation, please see the operation from the Chart Search Window (page 3-18).

<Chart Search Window>



3.2.2.2 Importing Charts from USB Memory (Manual Import)

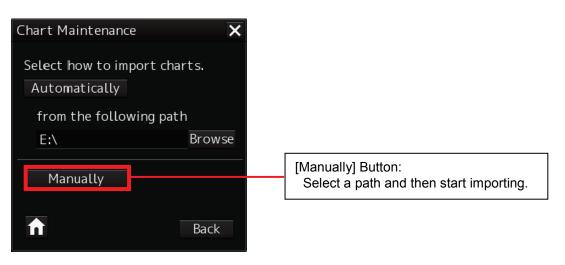
When importing chart data from devices other than the DVD drive, such as USB memory and a hard disk, set up the import path first and then import them.

The following example describes the procedure for importing charts from USB memory (F drive).

- 1) Start Chart Maintenance from Task Menu.
- 2) In the Home window, click the [Import / Update charts] button.
- In the Chart Category Selection window, click the [ARCS] button.
 (The operation is the same as described in "3.2.2.1 Importing Charts from CD/DVD (Automatic
- 4) Insert USB memory on which chart data is stored and wait until import becomes ready.
- 5) In the Chart Import Selection window, click the [Manually] button. The Chart Data Path Selection window appears.

<Chart Import Selection Window>

Import)" up to here.)



6) Specify USB memory (F drive) in Drive.

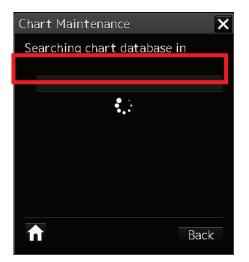
Select the folder higher by one layer than the folder (RASCHTS) in which the chart data is stored. <Path Selection Window>

Chart Maintenance 🗙	
Select drive and data path manually.	
Drive F: ARCS ARCS ARCS ARSCHTS MISC CHARTCAT C-MapENC ATO ATO ATO ATO ATO ATO ATO ARCS\RASCHTS	Drive Name: Select a drive. Folder Name: Select a folder. The folders on the drive selected in Drive are displayed in a tree structure. Text Box: Select a folder, data path is displayed.
OK Cancel	
[OK] Button:	

Starts importing using the path selected by confirming the chart path. At this time, close the window.

7) Click the [OK] button. The import of charts starts using the selected path.

<Chart Search Window>



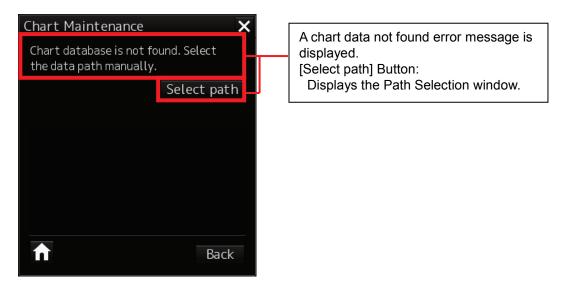
- 8) When chart data check is completed, the Chart Import Method Selection window appears. Click the [All] button.
- 9) The import of all chart data starts. When the import of chart data is finished, the number of imported charts is displayed. Import results are displayed in the chart to log text box.
- 10) Click the [Home] button to finish importing.

3.2.2.3 If Chart Data Cannot Be Found (Resume by Specifying a Path)

If chart data cannot be found, a data not found error message appears. Click [Select path] to display the Path Selection window and then select a chart path.

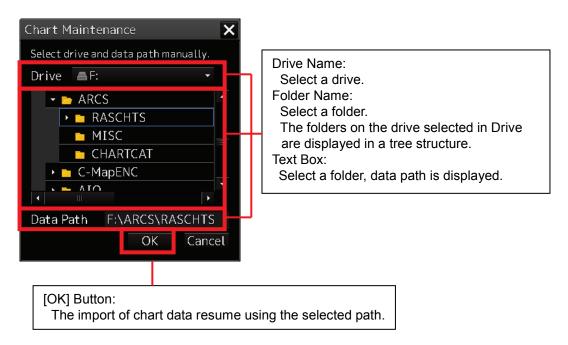
The following example describes the procedure from how to specify a path to how to resume importing charts by changing to USB memory (F drive).

<Chart Not Found Window>



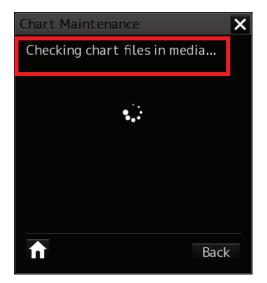
- 1) In the Chart Not Found window, click [Select path]. The Path Selection window is displayed.
- Specify USB memory (F drive) in Drive. Select the folder higher by one layer than the folder (RASCHTS) in which the chart data is stored.

<Path Selection Window>



3) Click the [OK] button. The import of chart data resumes using the selected path.

<Chart Search Window>



- 4) When chart data check is completed, the Chart Import Method Selection window appears. Click the [All] button.
- 5) The import of all chart data starts. When the import of chart data is finished, the number of imported charts is displayed.

Import results are displayed in the chart to log text box.

6) Click the [Home] button to finish importing.

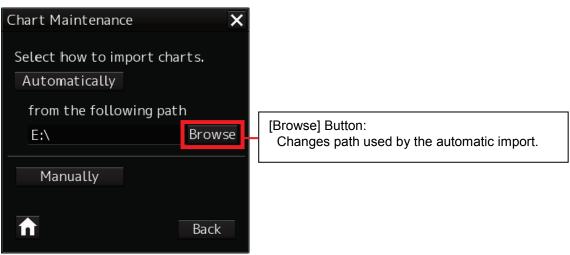
3.2.2.4 Changing a Path to Use for Automatic Import

If a path is selected with the [Browse] button when always using USB memory to import chart data, the selected path will be saved as a path used by the automatic import. Chart data can then be imported with the [Automatically] button from the saved path thereafter.

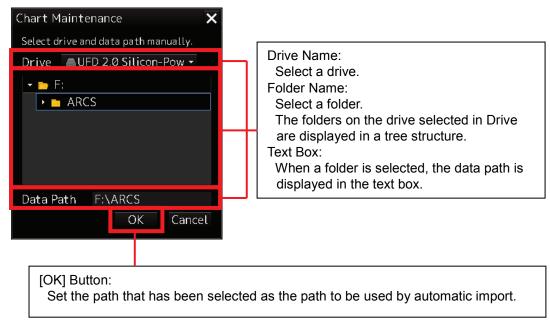
The following example describes how to change path used by the automatic import by changing to USB memory (F drive).

- 1) Start Chart Maintenance from Task Menu in the Home window.
- 2) Click the [Import / Update charts] button.
- In the Chart Category Selection window, click the [ARCS] button.
 (The operation is the same as described in "3.2.2.1 Importing Charts from CD/DVD (Automatic Import)" up to here.)
- 4) Insert USB memory on which chart data is stored and wait until import becomes ready.
- 5) In the Chart Import Selection window, click the [Browse] button. The Chart Data Path Selection window appears.

<Chart Import Selection Window>



6) Specify USB memory (drive F) as the drive name and then select the path to be used by the automatic import. When a folder is selected, the data path is displayed in the text box.



<Path Selection Window>

7) Click the [OK] button. The path that is used by automatic import is changed to the selected path.

<Chart Import Selection Window>

Chart Maintenance	×
Select how to import char Automatically from the following path	
from the following path	
F:\ARCS	Browse
Manually	
↑	Back

3.2.2.5 Importing Charts by Selecting

Charts to be imported can be selected individually for import.

Regarding the chart import method selection, the following example describes the procedure for importing charts from CD/DVD media.

- 1) Start Chart Maintenance from Task Menu.
- 2) Click the [Import / Update charts] button from Home window.
- 3) In the Chart Category Selection window, click the [ARCS] button.
- 4) Insert CD/DVD medium on which chart data is stored and wait until import becomes ready.
- In the Chart Import Selection window, click the [Automatically] button. Search chart data from the path shown in path used by the automatic import and start importing it. (The operation is the same as described in "3.2.2.1 Importing Charts from CD/DVD (Automatic Import)" up to here.)
- 6) When chart data check is completed, the Chart Import Method Selection window appears. Click the [Select] button. A window for selecting charts to be imported appears.

<Chart Import Method Selection Window>

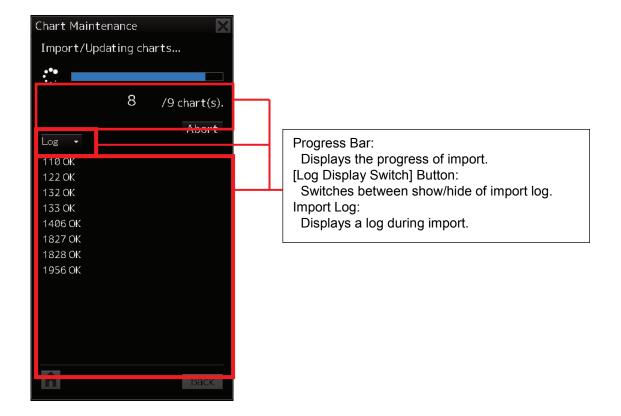
Chart Maintenance	×	
Do you import/update ALI charts? All Select		
		[Select] Button: Imports Charts by Selecting
f	Back	

7) Select charts you want to import and check the checkboxes of the charts you want to import.

<Chart Selection Window>

Char	rt Maintenance	2	×	Checkboxes: Select charts to be imported.			
		ance textbf>	Cell Information	The checkboxes of the charts that need to be updated are displayed with a check mark when the Chart Selection window is displayed. Checkbox (Title Bar): Select (deselect) all selectable charts			
Y Y +	1114 1119	****_** ****_** ****_** ****_**		: Chart to be imported			
↑		[Import] Button: Starts importing	Import Back				

8) Click the [Import] button after selecting charts to start importing them. The number of imported charts is displayed and progress is shown by a progress bar.



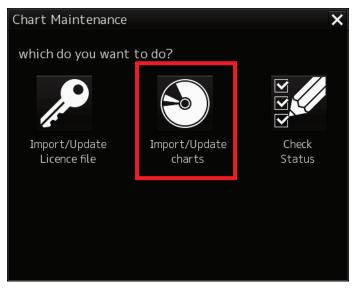
<Chart Import Progress Window (When Displaying Import Log)>

- When the import of chart data is finished, the number of imported charts is displayed. Import results are displayed in the chart to log each text box.
- 10) In the case of CD/DVD media, the chart import continuation confirmation dialog appears after import is completed.
 - If there are no more CD/DVD media from which to import charts, click the [No] button. Finish chart import and close the window.
 - If there are still charts that need to be imported, click the [Yes] button in the Chart Import Continuation dialog box. The Chart CD/DVD Media Insertion window appears, so change CD/DVD medium and click the [OK] button. Chart data search is performed. For succeeding operation, please see the operation from the Chart Search Window (page 3-19).

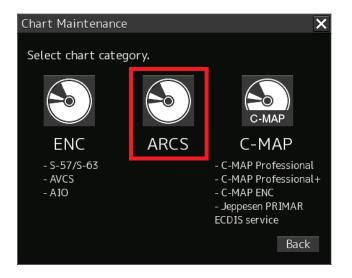
3.3 Updating Charts

The update operation of ARCS charts is the same as the import operation.

- 1) Start Chart Maintenance from Task Menu.
- 2) Click [Import / Update charts] in the Home window.



3) Click the [ARCS] button.

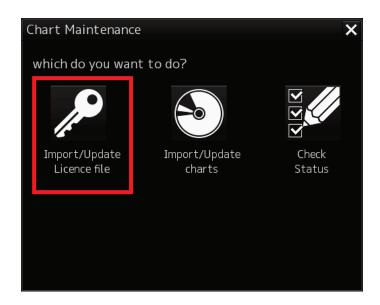


For the succeeding operation, please see "<u>3.2.2 Importing Charts</u>".

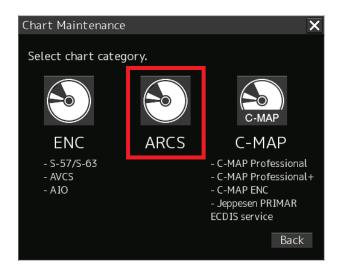
3.4 Updating Chart Permits

The update operation of chart permits is the same as the import operation.

- 1) Start Chart Maintenance from Task Menu.
- 2) Click [Import / Update Licence file] in the Home window.



3) Click the [ARCS] button.



For the succeeding operation, please see "3.2.1 Importing Chart Permit Files".

3.5 Using Check Status

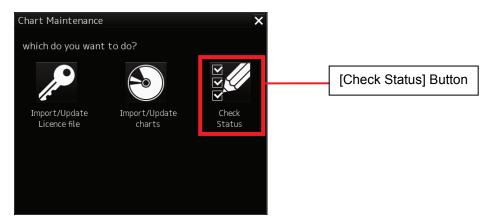
Check Status provides the following functions.

- · Display a list of imported charts and chart licence information.
- Display the log when importing/updating Chart permits and charts.
- · Display the log when importing/updating charts.
- · Delete already imported charts.

3.5.1 How to Start Check Status

On Task Menu, start Check Status according to the following procedure.

- 1) Click the [Chart Maintenance] button on Task Menu.
- 2) In the Home window, click the [Check Status] button. The Check Status window appears.



3) Click the [ARCS] button in the Check Status window.

[A]	RCS]	Button					
	Т						
art Maint	er ance						
ENC	ARCS	C-MAP				∙t/Updat harts	e // Import/Update Licence
tatus Lis	st	Log					
					Del	ete	Licence Information ARCS User Permit
ARCS	5	Cell Name 🔺	Cell Ver.	Edition Date	Last Update	Ex ^	DF2F7CFE38D74A4
		103	201400671	20131024	2015-03-01	2(ARCS Chart Permit
		1036	201401686	20140123	2015-03-01	2(You have 3413 licences.
		1039	201400838	20140123	2015-03-01	2(0 licences have expired.
		1046	201302038	20100318	2015-03-01	2(Licensee Yamashita
		1059	201402064	20130328	2015-03-01	2(Vessel Name Demo JRC
		1065	201402590	20100715	2015-03-01	20	Fixed Site #1
		1100	201401686	20140403	2015-03-01	2(
		1124	201402798	20140501	2015-03-01	20	1-1 Shimorenjaku 5-chome 🗸
		1126	201402566	20110303	2015-03-01	2(Host Name
		1130	201401202	20101223	2015-03-01	20	Licence Type NS
		1134	201400784	20100902	2015-03-01	2(
		1143	201402743	20130124	2015-03-01	20	Cell Information
		1144	201304751	20111027	2015-03-01	2(CellName: 103 Country of Origin: UK
		1163	201402590	20121206	2015-03-01	20	Compilation Scale: 500,000
		1199	201402808	20140501	2015-03-01	2(Encryption Ver.No: 001
		1206	201402455	20130919	2015-03-01	20	Sequential Issue No: 002 Latest NM: 2014/00671
		1209	201400788	20130919	2015-03-01	2(File Issue Date: 20140626
		1221	201300344	20120223	2015-03-01	20	Raster Chart Issue Date: 20140626
		1238	000000000	20130718	2015-03-01	2(Update history: NEW 01/03/2015 (26/06/2014 iss
		1249	201402164	20040304	2015-03-01	20	NEW 0170372015 (26706/2014 ISS
		1250	201402790	20120712	2015-03-01	2(🗸	
	4						

3.5.2 Configuration of the Check Status Window

The Check Status window consists of the Status List window and the Log window.

- Displays a list of imported charts and chart licence information. Status List Window: You can also delete already imported charts by selecting them. • Log Window:
 - Displays the log when importing/updating charts.

Also displays the log when importing/updating chart permits and chart.

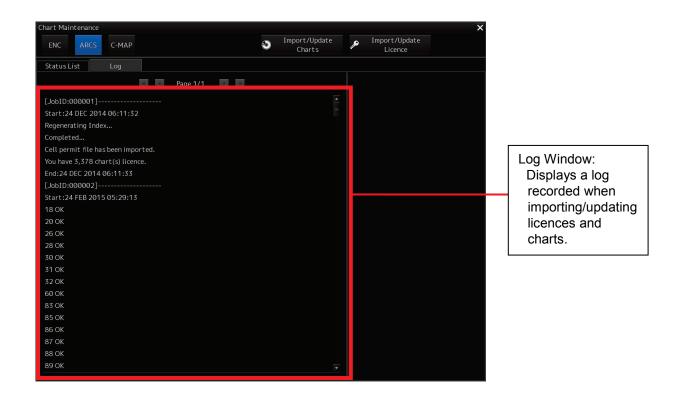
3.5.2.1 Status List Window

Tabs: Switch between the Status List window			Chart Type Buttons: Change the chart type.				[Import/Update Licence] button: Executes import/update.		
Chart Maintenance ENC ARCS Status List	C-MAP Log				t/Updat harts	e Import/Update Licence	×	[Delete] Button: Deletes charts.	
► ARCS	Cell Name + 103 1036 1039 1046 1059 1065 1100 1124 1126 1130 1134 1143 1144 1163	Cell Ver. 201400671 201401686 201400838 201302038 201402590 201401686 201402798 20140728 201400784 201400784 201304751 201402590	Edition Date 20131024 20140123 20140123 20100318 20100715 20140403 20140501 20110303 20101223 20109022 20130124 2011027 20121206	Last Update 2015-03-01 2015-03-01 2015-03-01 2015-03-01 2015-03-01 2015-03-01 2015-03-01 2015-03-01 2015-03-01 2015-03-01 2015-03-01 2015-03-01	Ex • 2(2(2(2(2(2(2(2(2(2(ARCS User Permit DF2F7CFE38D74A4 ARCS Chart Permit You have 3413 licences. 0 licences have expired. Licensee Yamashit Vessel Name Demo JRC Fixed Site #1 1-1 Shimorenjaku 5-chome Host Name Licence Type NS -Cell Information CellName: 103 Country of Origin: UK Compilation Scale: 500,000		Licence Information:	
	1199 1206 1209 1221 1238 1249 1250	201402808 201402455 201400788 201300344 000000000 201402164 201402790	20140501 20130919 20130919 20120223 20130718 20040304 20120712	2015-03-01 2015-03-01 2015-03-01 2015-03-01 2015-03-01 2015-03-01 2015-03-01	2(2(2(2(2(2(2(2(2(2(Encryptictol Scale: 500,000 Encryptictol Ver.No: 001 Sequential Issue No: 002 Latest NM: 2014/00671 File Issue Date: 20140626 Raster Chart Issue Date: 201 Update history: NEW 01/03/2015 (26//		Displays licence information of charts Cell Information: Displays cell information of charts	

Displays folders containing imported charts. Chart List Display:

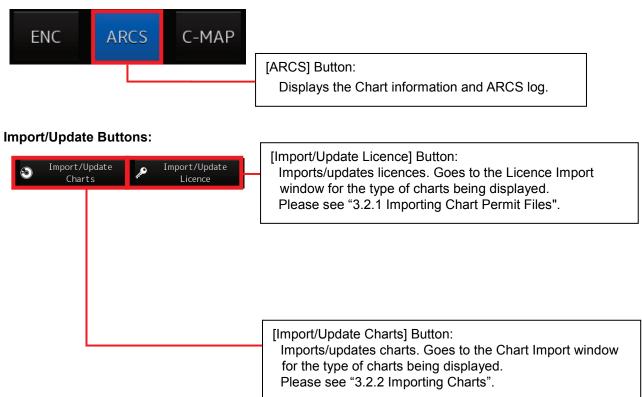
Displays a list of imported charts.

3.5.2.2 Log Window



<Functions of Each Button>

Chart Type Buttons:



[Delete] Button:	[Delete] Button:				
Delete	Deletes the items whose checkboxes are marked in the Chart List. Clicking the [Delete] button displays the following chart deletion confirmation dialog. Please see "3.8 Deleting ARCS Charts".				

Window Switching Tabs

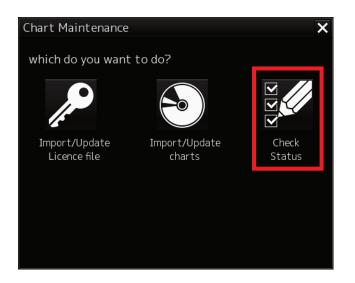
AU

Status List Log	The window for the selected tab appears. [Status List] Tab: Display information about the licences on a chart and a list of imported chart. [Log] Tab: Displays a log recorded when importing/updating licences and charts.
<folder display="" list=""></folder>	
← ► ENC	Displays a list of folders containing imported charts. Charts contained in the selected folder are displayed in the Chart List window.

window.

3.6 Checking Chart Update History3.6.1 Checking from Chart Maintenance

- 1) Start Chart Maintenance from Task Menu.
- 2) Click [Check Status] button in the Home window.



3) Click the [ARCS] button in the Check Status window.

Г

[A	ARC	S]	Button					
				J				
Ehart Mai	intena n ARC		C-MAP			E0.)	t/Updat harts	e Import/Update Licence
	List		Log					
						Dele	ete	Licence Information ARCS User Permit DF2F7CFE38D74A4
🗖 🔁 🗖	CS		Cell Name 🔺	Cell Ver.	Edition Date	Last Update	Ex ^	
			103	201400671	20131024	2015-03-01	2(ARCS Chart Permit
			1036	201401686	20140123	2015-03-01	20	You have 3413 licences. Ø licences have expired.
			1039	201400838	20140123	2015-03-01	2(Licensee Yamashita
			1046	201302038	20100318	2015-03-01	20	Vessel Name Demo JRC
			1059	201402064	20130328	2015-03-01	2(Fixed Site #1
			1065	201402590	20100715	2015-03-01	20	·
			1100	201401686	20140403	2015-03-01	20	
			1124	201402798	20140501	2015-03-01	20	1-1 Shimorenjaku 5-chome 🗸 🗸
			1126	201402566	20110303	2015-03-01	20	Host Name
			1130	201401202	20101223	2015-03-01	20	Licence Type NS
			1134	201400784	20100902	2015-03-01	20	Cell Information
			1143	201402743	20130124	2015-03-01	20	CellName: 103
			1144	201304751	20111027	2015-03-01	20	Country of Origin: UK
			1163	201402590	20121206	2015-03-01	20	Compilation Scale: 500,000
			1199	201402808	20140501	2015-03-01	20	Encryption Ver.No: 001
			1206	201402455	20130919	2015-03-01	20	Sequential Issue No: 002 Latest NM: 2014/00671
			1209	201400788	20130919	2015-03-01	20	File Issue Date: 2014/0626
			1221	201300344	20120223	2015-03-01	20	Raster Chart Issue Date: 20140626
			1238	000000000	20130718	2015-03-01	20	Update history: NEW 01/03/2015 (26/06/2014 iss
			1249	201402164	20040304	2015-03-01	20	NEW 0170372013 (2070072014155
			1250	201402790	20120712	2015-03-01	2(🗸	▲

4) Check the update history in the Last Update column of the Chart List window.

ENC AF	RCS	C-MAP				rt/Update harts	e P Import/Update Licence
tatus List		Log					
					Del	ete	Licence Information ARCS User Permit
ARCS		Cell Name 🔺	Cell Ver.	Edition Date	Last Update	Ex_	DF2F7CFE38D74A4
		103	201400671	20131024	2015-03-01		ARCS Chart Permit
		1036	201401686	20140123	2015-03-01	20	You have 3413 licences. 0 licences have expired.
		1039	201400838	20140123	2015-03-01		Utcences nave expired. Licensee Yamashita
		1046	201302038	20100318	2015-03-01	20	
		1059	201402064	20130328	2015-03-01	2(Vessel Name Demo JRC Fixed Site #1
		1065	201402590	20100715	2015-03-01	20	
		1100	201401686	20140403	2015-03-01	2(
		1124	201402798	20140501	2015-03-01	20	1-1 Shimorenjaku 5-chome 🗸
		1126	20140256	20110303	2015-03-01	2(Host Name
		1130	201401202	20101223	2015-03-01	20	Licence Type NS
		1134	20140078	20100902	2015-03-01	20	
		1143	20140274	20130124	2015-03-01	20	Cell Information
		1144	20130475	20111027	2015-03-01	20	CellName: 103 Country of Origin: UK
		1163	201402590	20121206	2015-03-01	20	Compilation Scale: 500,000
		1199	201402808	20140501	2015-03-01	2(Encryption Ver.No: 001
		1206	201402455	20130919	2015-03-01	20	Sequential Issue No: 002 Latest NM: 2014/00671
		1209	20140078	20130919	2015-03-01	20	File Issue Date: 2014/0626
		1221	20130034	20120223	2015-03-01	20	Raster Chart Issue Date: 20140626
		1238	000000000	20130718	2015-03-01	20	Update history: NEW 01/03/2015 (26/06/2014 iss
		1249	20140216	20040304	2015-03-01	20	NEW 0170372015 (26/06/2014 Iss
		1250	201402790	20120712	2015-03-01	2(
			Ш				

Cell Ver.	Edition Date	Last Update	Expiry Date
201400671	20131024	2015-03-01	2015-04-30
201401686	20140123	2015-03-01	2015-04-30
201400838	20140123	2015-03-01	2015-04-30
201302038	20100318	2015-03-01	2015-04-30
201402064	20130328	2015-03-01	2015-04-30
201402590	20100715	2015-03-01	2015-04-30
201401686	20140403	2015-03-01	2015-04-30
201402798	20140501	2015-03-01	2015-04-30

Cell Ver.:

The chart editions are displayed.

Edition Date:

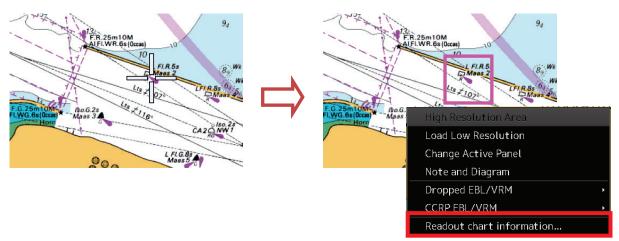
The chart issue dates are displayed.

Last Update:

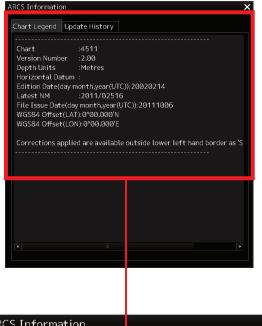
The last date when charts were updated in the system are displayed.

3.6.2 Checking from ECDIS screen

- 1) Start ECDIS.
- 2) Right-click on a chart and select "Readout chart Information" on the Context menu.



3) The ARCS Information screen is displayed. Check the chart update history.



ARCS Information Chart Legend Update History	. []
Chart :4511 Version Number :2.00 Depth Units :Metres Horizontal Datum : Edition Date(day month,year(UTC)):20020214 Latest NM :2011/02516 File Issue Date(day month,year(UTC)):20111006 WGS84 Offset(LAT):0°00.000'N WGS84 Offset(LON):0°00.000'E	Chart: Displays the chart name. Version Number: Displays the HCRF version. Edition Date: Displays the editing date. Latest NM: Displays the latest NM. File Issue Date: Displays the issue date.
Corrections applied are available outside lower l	

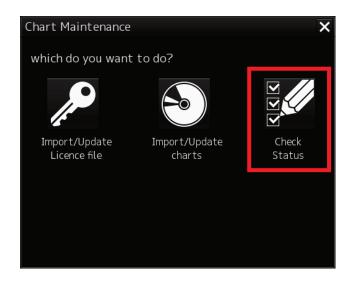
4) To close the ARCS Information window, click [x] button.

3.7 Checking the Contents of Contracts

The contents of contracts can be checked from Check Status.

Displaying Check Status 3.7.1

- 1) Start Chart Maintenance from Task Menu.
- 2) Click [Check Status] button in the Home window.



3) Click the [ARCS] button in the Check Status window.

[ARC	S] E	Button					
Chart Mainten ENC AF	ance RCS	C-MAP			(=e) ·	t/Update harts	e Import/Update Licence
Status List		Log					
					Del	ete	Licence Information ARCS User Permit DF2F7CFE38D74A4
🖿 ARCS		Cell Name 🔺	Cell Ver.	Edition Date	Last Update	Ex 📤	ARCS Chart Permit
		103	201400671	20131024	2015-03-01	2(You have 3413 licences.
		1036	201401686	20140123	2015-03-01	20	0 licences have expired.
		1039	201400838	20140123	2015-03-01	2(Licensee Yamashita
		1046	201302038	20100318	2015-03-01	20	Vessel Name Demo JRC
		1059	201402064	20130328	2015-03-01	2(Fixed Site #1
		1065	201402590	20100715	2015-03-01	20	
		1100	201401686	20140403	2015-03-01	2(
		1124	201402798	20140501	2015-03-01	20	1-1 Shimorenjaku 5-chome 🗸
		1126	201402566	20110303	2015-03-01	2(Host Name
		1130	201401202	20101223	2015-03-01	20	Licence Type NS
		1134	201400784	20100902	2015-03-01	2(Cell Information
		1143	201402743	20130124	2015-03-01	20	
		1144	201304751	20111027	2015-03-01	2(CellName: 103 Country of Origin: UK
		1163	201402590	20121206	2015-03-01	20	Compilation Scale: 500,000
		1199	201402808	20140501	2015-03-01	2(Encryption Ver.No: 001
		1206	201402455	20130919	2015-03-01	20	Sequential Issue No: 002 Latest NM: 2014/00671
		1209	201400788	20130919	2015-03-01	2(File Issue Date: 20140626
		1221	201300344	20120223	2015-03-01	20	Raster Chart Issue Date: 20140626
		1238	000000000	20130718	2015-03-01	2(Update history:
		1249	201402164	20040304	2015-03-01	20	NEW 01/03/2015 (26/06/2014 iss
		1250	201402790	20120712	2015-03-01	2(-	

3.7.2 Checking the Expiry Dates of Chart Permits Having Contract

Check the expiration dates in the Expiry Date column of the Chart List window.

Status List	Log										
				Del	ete						
ARCS	Edition Date	Last Update	Expiry Date	Scale	<u> </u>						
	20131024	2015-03-01	2015-04-30	1/500,000							
	20140123	2015-03-01	2015-04-30	1/25,000							
	20140123	2015-03-01	2015-04-30	1/25,000							
	20100318	2015-03-01	2015-04-30	1/120,000							
	20130328	2015-03-01	2015-04-30	1/25,000							
	20100715	2015-03-01	2015-04-30	1/75,000							
	Expiry Date: Expiration date of permit Expires within 30 days → Yellow Already expired → Orange										

If the chart expiry data has been reached, please check the contents of the contract and contact your chart distributor.

3.7.3 Checking ARCS User Permit

3.7.3.1 Checking the Check Status

Check the ARCS User Permit. in the Licence Information column of the Check Status window.

atus List							ARCS User Permit:
					Del	Licence Information ARCS User Permit DF2F7CFE38D74A4	 Displays the ARCS user permit.
ARCS		Cell Name •	Cell Ver.	Edition Date	Last Update	ARCS Chart Permit	
		103	201400671	20131024	2015-03-01	You have 3413 licences.	
					2015-03-01	0 licences have expired.	
		1039	201400838	20140123	2015-03-01	Licensee Yamashita	
		1046		20100318	2015-03-01	Vessel Name Demo JRC	Licence Information ————
		1059	201402064	20130328	2015-03-01	Fixed Site #1	ARCS User Permit
		1065	201402590	20100715	2015-03-01		ARCS User Permit
		1100	201401686	20140403	2015-03-01		050536553003444
			201402798			1-1 Shimorenjaku 5-chome 🔹	DF2F7CFE38D74A4
			201402566	20110303	2015-03-01	Host Name	
						Licence Type NS	
			201400784	20100902	2015-03-01	Cell Information	
			201402743		2015-03-01	CellName: 103	
		1144	201304751	20111027	2015-03-01	Country of Origin: UK	
			201402590			Compilation Scale: 500,000	
			201402808	20140501	2015-03-01	Encryption Ver.No: 001	
						Sequential Issue No: 002 Latest NM: 2014/00671	
		1209	201400788	20130919	2015-03-01	File Issue Date: 20140626	
			201300344			Raster Chart Issue Date: 20140626	
		1238	000000000	20130718	2015-03-01	Update history: NEW 01/03/2015 (26/06/2014 iss	
			201402164	20040304	2015-03-01	NEW 01/03/2015 (20/06/2014 ISS	
	0.	1250	201402790	20120712	2015-03-01		

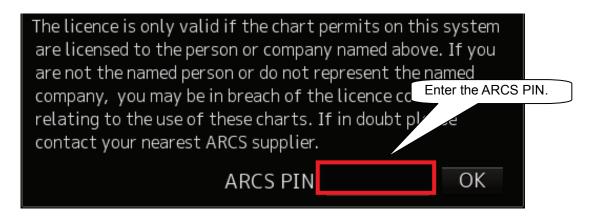
3.7.3.2 Checking in the ARCS Path Entry Window

- 1) Click the [Route Planning / Route Monitoring (ECDIS)] button on Task Menu.
- 2) The window display changes and, after a while, the [ARCS PIN] panel appears. Check [User Permit].

ARCS PIN	×							
ARCS Licence Inform	nation							
Information	Licence Detail							
Licensee	Yamashita							
Vessel Name	Demo JRC							
Fixed site #1								
	1-1 Shimorenjaku 5-chome							
	Токуо							
	Japan 181-8510							
Host name								
User permit	DF2F7CFE38D74A4							
Licence type	NS							
The licence is only valid if the chart permits on this system are licensed to the person or company named above. If you are not the named person or do not represent the named company, you may be in breach of the licence conditions relating to the use of these charts. If in doubt please contact your nearest ARCS supplier.								
	ARCS PIN OK							

Caution:

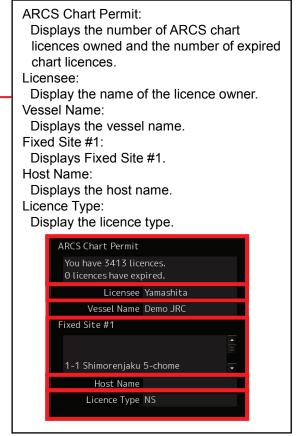
If [×] button was selected on the [ARCS PIN] panel without entering the ARCS PIN, the ARCS items of Chart View (ECDIS) are disabled and thus unselectable. To display ARCS charts, be sure to enter the ARCS PIN on the [ARCS PIN] panel.



3.7.4 Checking the Detailed Information of Chart Permits Having Contract

Check the detailed information in the Licence Information column of the Check Status window.

ENC A	RCS	C-MAP				rt/Update harts	٩	Import/Update Licence	
Status List		Log							
					Del	ete	ARCS Use	formation r Permit FE38D74A4	
ARCS		Cell Name •	Cell Ver.	Edition Date	Last Update		UF2F7C	FE36074A4	
			201400671	20131024	2015-03-01			e 3413 licences.	
			201401686	20140123	2015-03-01			e 5415 licences. es have expired.	
		1039	201400838	20140123	2015-03-01			Licensee Yamashita	
		1046					Ve	ssel Name Demo JRC	
		1059	201402064	20130328	2015-03-01		Fixed Site		
			201402590	20100715	2015-03-01				
			201401686	20140403	2015-03-01				
							1-1 Shi	morenjaku 5-chome	-
			201402566	20110303	2015-03-01		•	lost Name	
	0						Lic	ence Type NS	
		1134	201400784	20100902	2015-03-01		Cell Infor	mation	
			201402743		2015-03-01			CellName: 103 Country of Origin: UK	
		1144	201304751	20111027	2015-03-01				
			201402590				Compilat	ion Scale: 500,000	
			201402808	20140501	2015-03-01			on Ver.No: 001 al Issue No: 002	
								at Issue No: 002 M: 2014/00671	
		1209	201400788	20130919	2015-03-01		File Issu	e Date: 20140626	
			201300344		2015-03-01		Raster C Update h	hart Issue Date: 201406	26
		1238	0000000000	20130718	2015-03-01			istory: 01/03/2015 (26/06/2	014 iss
			201402164	20040304	2015-03-01				
			201402790	20120712	2015-03-01				



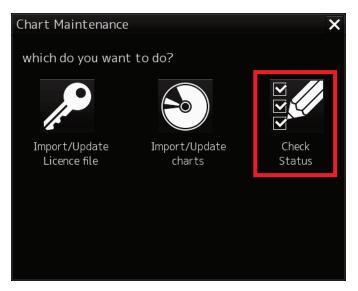
3.7.5 Checking Chart Cell Information

Check Cell Information in the Check Status window.

						Displays the information of charts selected
				Delete	Licence Information ARCS User Permit DF2F7CFE38D74A4	in the Chart List.
ARCS	Cell Name	Cell Ver.	Edition Date	Last Update Ex*	ARCS Chart Permit	
	103	201400671	20131024	2015-03-01 20	You have 3413 licences.	-Cell Information —————————————————————
	1036	201401686	20140123	2015-03-01 20	0 licences have expired.	
		201400838	20140123	2015-03-01 20	Licensee Yamashita	CellName: 103
	1046		20100318	2015-03-01 20	Vessel Name Demo JRC	
	1059	201402064	20130328	2015-03-01 20	Fixed Site #1	Country of Origin: UK
	1065	201402590		2015-03-01 20	•	Compilation Scale: 500,000
	1100	201401686	20140403	2015-03-01 20		
	1124				1-1 Shimorenjaku 5-chome	Encryption Ver.No: 001
		201402566	20110303	2015-03-01 20	Host Name	Convertial Janua May 000
	1130				Licence Type NS	Sequential Issue No: 002
		201400784	20100902	2015-03-01 20	Cell Information	Latest NM: 2014/00671
	1143	201402743		2015-03-01 20	CellName: 103	
	1144	201304751	20111027	2015-03-01 20	Country of Origin: UK	File Issue Date: 20140626
	1163			2015-03-01 20	Compilation Scale: 500,000	Raster Chart Issue Date: 20140626
		201402808	20140501	2015-03-01 20	Encryption Ver.No: 001 Sequential Issue No: 002	Raster Chart Issue Date: 20140020
	1206	201402455			Latest NM: 2014/00671	Update history:
	1209	201400788		2015-03-01 20	File Issue Date: 20140626	
	1221	201300344			Raster Chart Issue Date: 20140626	NEW 01/03/2015 (26/06/2014 iss
	1238	000000000	20130718	2015-03-01 20	Update history: NEW 01/03/2015 (26/06/2014 iss	
	1249	201402164	20040304		1121 017 037 2013 (20/00/2014135	
	1250	201402790	20120712	2015-03-01 20.		

3.8 Deleting ARCS Charts

- 1) Start Chart Maintenance.
- 2) Click [Check Status] button in the Home window.



3) Click [ARCS] button in the Check Status window.

	[ARC	S]	Button			[Delete	e] Bu	ıtton
_					_			
C	ent Maintenan ENC ARC		C-MAP			Imp	ort/Updat Charts	te // Import/Update Licence
	Status List		Log					
						De	lete	Licence Information ARCS User Permit DF2F7CFE38D74A4
	ARCS		Cell Name 🔺	Cell Ver.	Edition Date	Last Update	Ex 1	ARCS Chart Permit
	_		103	201400671	20131024	2015-03-01	I 2(You have 3413 licences.
Check boxes			1036	201401686	20140123	2015-03-01	1 2(0 licences have expired.
CHECK DUXES			1039	201400838	20140123	2015-03-01		Licensee Yamashita
			1046	201302038	20100318	2015-03-01	1 2(Vessel Name Demo JRC
			1059	201402064	20130328	2015-03-01		Fixed Site #1
			1065	201402590	20100715	2015-03-01	1 2(
			1100	201401686	20140403	2015-03-01		
			1124	201402798	20140501	2015-03-01		1-1 Shimorenjaku 5-chome 🗸
			1126	201402566	20110303	2015-03-01		Host Name
			1130	201401202	20101223	2015-03-01		Licence Type NS
			1134	201400784	20100902	2015-03-01		Cell Information
			1143	201402743	20130124	2015-03-01		CellName: 103
			1144	201304751	20111027	2015-03-01		Country of Origin: UK
			1163	201402590	20121206	2015-03-01		Compilation Scale: 500,000
			1199	201402808	20140501	2015-03-01		Encryption Ver.No: 001 Sequential Issue No: 002
			1206	201402455	20130919	2015-03-01		Latest NM: 2014/00671
			1209	201400788	20130919	2015-03-01		File Issue Date: 20140626
			1221	201300344	20120223	2015-03-01		Raster Chart Issue Date: 20140626 Update history:
			1238	0000000000	20130718	2015-03-01		NEW 01/03/2015 (26/06/2014 iss
			1249	201402164	20040304	2015-03-01	1 2(
			1250	201402790	20120712	2015-03-01	1 2(-	

4) Check the checkboxes of charts that need to be deleted in the Chart List window.

ARCS	Cell Name 🔺	Cell Ver.
	103	201400671
	1036	201401686
	1039	201400838
	1046	201302038
	1059	201402064
	1065	201402590

5) Click the [Delete] button in the Check status window. The Delete dialog box appears.



6) Click the [OK] button. The charts that have been checked in the Chart List are deleted.

