FieldMate Handheld Communicator Data Converter for FieldMate

User's MANUAL

Introduction

The FieldMate Handheld Communicator Data Converter for FieldMate ("Data Converter") is a data-interfacing software which allows device configuration files saved by the FieldMate Handheld Communicator to be used in FieldMate.

The functions of the Data Converter are as follows:

- Converts device configuration files created by the Handheld Communicator into DTM data that can be used in type-B HART Built-in DTM.
- Saves converted DTM data in the device maintenance information (DTM data) of FieldMate Advance.
- Saves converted DTM data to a DTM data file in a PC.

The supporting FieldMate revisions and languages are shown below.

FieldMate revision	R2.05.00 or later
FieldMate edition	Advance and Basic
Language	Japanese and English

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1. Data Converter Window

When started with the FieldMate Handheld Communicator connected to PC, the Data Converter displays a list of device configuration files.

Device Tag Model Device Revision Vendor Device 10 File Name Date File Type Image: Second HyU EJX910 2 YOKOGAW 0F54EC E001HYU KRE 2013/11/21 2 As Modified Image: Second HyU Ima	All)		•								
Image: Second Hyuu EXX910 2 YOKOGAW OFS4EC E001HYU KRE 2013/11/21 2 As Modified Image: Second Hyuu AXFA11 1 YOKOGAW AC847B AXFA11-0612 2013/06/13 12 As Left Image: Second Hyuu YTAGH YTA 2 YOKOGAW 899679 YTADEVREV20 2013/06/13 11 As Left As Left As Left Image: Second Hyuu YTAGH YTA 2 YOKOGAW 0F4472 EIX10 2013/06/12 14 As Left As Left Image: Second Hyuu EIX110 EIX1 YOKOGAW OFA472 EIX110 2013/06/12 14 As Left As Left Image: Second Hyuu EIX110 EIX10 Image: Second Hyuu YOKOGAW OFA472 EIX110 2013/06/12 14 As Left Image: Second Hyuu EIX110 Image: Second Hyuu YOKOGAW OFA472 EIX110 2013/06/12 14 As Left Image: Second Hyuu EIX110 Image: Second Hyuu YOKOGAW OFA472 EIX110 2013/05/21 14 As Left Image: Second Hyuu EIX110 Image: Second Hyuu Imagee YOKOGAW <th></th> <th>1</th> <th>Device Tag</th> <th>Model</th> <th>Device Revision</th> <th>Vendor</th> <th>Device ID</th> <th>File Name</th> <th>Date</th> <th>File Type</th> <th>-</th>		1	Device Tag	Model	Device Revision	Vendor	Device ID	File Name	Date	File Type	-
Image:		0	E001HYU	EJX910	2	YOKOGAW	0F54EC	E001HYU KRE	2013/11/21 20	As Modified	
Image: Start YTAGH YTA 2 YOKOGAW 899679 YTADEVREV20 2013/06/13 1 As Left As Left Image: Start KATSUMA EX910 1 YOKOGAW 0F4492 EX910-0611 2013/06/12 14 As Left As Left Image: Start EX110 EX10 Image: Start YOKOGAW 0F4492 EX110_NoRes 2013/06/12 14 As Left As Left Image: Start EX110 EX10 EX10 Image: Start YOKOGAW 0FA472 EX110_NoRes 2013/06/12 14 As Left Image: Start EX110 EX10 EX10 Image: Start YOKOGAW 0FA472 EX110-2013 2013/06/12 14 As Left Image: Start EX110 EX110 EX110 Image: Start YOKOGAW 0FA472 EX110-2013 2013/06/12 14 As Left Image: Start EX110 EX110 EX110 Image: Start YOKOGAW 0FA472 EX110-2013 2013/06/12 14 As Left Image: Start EX110 EX110 Image: Start YOKOGAW Image: Start Zimage: Start Zimage: Start			TAG11A	AXFA11	1	YOKOGAW	AC847B	AXFA11-0612	2013/06/13 12	As Left	
Image: Sector		0	YTAGH	YTA	2	YOKOGAW	899679	YTADEVREV20	2013/06/13 11	As Left	E
Image: Signal		8	KATSUMA	EJX910	1	YOKOGAW	0F4492	EJX910-0611	2013/06/12 15	As Found	
Image: Signal		3	EJX110	EJX	1	YOKOGAW	0FA472	EJX110_NoRea	2013/06/12 14	As Left	
Image: Signed		8	EJX110	EJX	1	YOKOGAW	0FA472	EJX110	2013/06/12 14	As Left	
Image: Signal		8	EJX110	EJX	1	YOKOGAW	0FA472	EJX110-20130	2013/06/12 14	As Left	
Image: Separate S		8	EJX110	EJX	1	YOKOGAW	0FA472	EJX110_readPa	2013/06/12 14	As Left	
Image: Signal		8	FFFF56	EJX_EXP	10	YOKOGAW	12CC13	FFFF56	2013/05/21 14	As Left	
Image: Signal		8	EJX910R2	EJX910	2	YOKOGAW	0F54EC	C2 M3	2013/05/21 11	As Modified	
🔲 🙎 EJX910R2 EJX910 2 YOKOGAW 0F54EC EJX910R2 2013/05/211C As Found -		3	EJX910R2	EJX910	2	YOKOGAW	OF54EC	EJX910R22	2013/05/21 11	As Modified	
		2	EJX910R2	EJX910	2	YOKOGAW	0F54EC	EJX910R2	2013/05/21 10	As Found	-

Figure 1-1 Data Converter window

No.	Name	Description
1	Menu bar	Displays two icons and performs operations on the content below.
		For the functions of the two icons, see Section 1.1.
2	Content	Displays the content on each page.
3	Status bar	Indicates the number of device configuration files selected.

1.1. List of Menus

The menu bar displays two icons.

The table below describes the icons and respective functions.

No.	Icon	Function
1	e de	 Communicates with the Handheld Communicator to update the list of device configuration files. This function is enabled in the window for selecting device configuration files, while it is not enabled in the window for confirming device configuration files.
		Enabled:
2	\$	The following functions are available: • Selects a language • Displays the version of Data Converter • Help: Displays this Manual This function is enabled in both windows described above.

Table 1-2 List of menu icons

1.1.1. Selecting the Language

Switches the language to be displayed between Japanese and English.

Click the icon and choose Japanese or English from the language item.

🔁 Select	data - F	ieldMate Hand	Iheld Communica	ator Data Converter	for FieldMate						
STEP1 :	Selec	t Device Co	nfiguration F	ile					23	\$**	
(All)		•								Language	▶ 日本語
		Device Tag	Model	Device Revision	Vendor	Device ID	File Name	Date	File Type	Version Information	english
	2	E001HYU	EJX910	2	YOKOGAW	0F54EC	E001HYU KRE	2013/11/21 20	As Modified		
		TAG11A	AXFA11	1	YOKOGAW	AC847B	AXFA11-0612	2013/06/13 12	As Left		
		YTAGH	YTA	2	YOKOGAW	899679	YTADEVREV20	2013/06/13 11	As Left	E	
	8	KATSUMA	EJX910	1	YOKOGAW	0F4492	EJX910-0611	2013/06/12 15	As Found		
	9	EJX110	EJX	1	YOKOGAW	0FA472	EJX110_NoRea	2013/06/12 14	As Left		
	8	EJX110	EJX	1	YOKOGAW	0FA472	EJX110	2013/06/12 14	As Left		
	3	EJX110	EJX	1	YOKOGAW	0FA472	EJX110-20130	2013/06/12 14	As Left		
	2	EJX110	EJX	1	YOKOGAW	0FA472	EJX110_readPa	2013/06/12 14	As Left		
	3	FFFF56	EJX_EXP	10	YOKOGAW	12CC13	FFFF56	2013/05/21 14	As Left		
	8	EJX910R2	EJX910	2	YOKOGAW	0F54EC	C2 M3	2013/05/21 11	As Modified		
	2	EJX910R2	EJX910	2	YOKOGAW	0F54EC	EJX910R22	2013/05/21 11	As Modified		
	2	EJX910R2	EJX910	2	YOKOGAW	0F54EC	EJX910R2	2013/05/21 10	As Found	-	
Displa	ay transm	itted data files	in FieldMate Devic	e Maintenance Info.							
				Se	lect type : 🔘	Save to Devic	e Maintenance Info.	Save t	o File	ext >	
Selected i	item cou	int:0									

Figure 1-2 Selecting a language

1.2. Window for Selecting Device Configuration Files

This window displays a list of device configuration files.

When communication with the Handheld Communicator is established successfully, a list of device configuration files is displayed.

(All)	•								
	Device Tag	Model	Device Revision	Vendor	Device ID	File Name	Date	File Type	
	E001HYU	EJX910	2	YOKOGAW	0F54EC	E001HYU KRE	2013/11/21 20	As Modified	
	TAG11A	AXFA11	1	YOKOGAW	AC847B	AXFA11-0612	2013/06/13 12	As Left	
•	YTAGH	YTA	2	YOKOGAW	899679	YTADEVREV20	2013/06/13 11	As Left	
	KATSUMA	EJX910	1	YOKOGAW	0F4492	EJX910-0611	2013/06/12 15	As Found	
	EJX110	EJX	1	YOKOGAW	0FA472	EJX110_NoRea	2013/06/12 14	As Left	
	EJX110	EJX	1	YOKOGAW	0FA472	EJX110	2013/06/12 14	As Left	
	EJX110	EJX	1	YOKOGAW	0FA472	EJX110-20130	2013/06/12 14	As Left	
	EJX110	EJX	1	YOKOGAW	0FA472	EJX110_readPa	2013/06/12 14	As Left	
	FFFF56	EJX_EXP	10	YOKOGAW	12CC13	FFFF56	2013/05/21 14	As Left	
	EJX910R2	EJX910	2	YOKOGAW	OF54EC	C2 M3	2013/05/21 11	As Modified	
8	EJX910R2	EJX910	2	YOKOGAW	OF54EC	EJX910R22	2013/05/21 11	As Modified	
	EJX910R2	EJX910	2	YOKOGAW	0F54EC	EJX910R2	2013/05/21 10	As Found	
🔲 Display t	ransmitted data files	in FieldMate Devic	e Maintenance Info.						
			Se	lect type : 🔘	Save to Devic	e Maintenance Info.	Save t	o File	Vext >

Figure 1-3 Window for selecting device configuration files

No.	Name	Specifications
1	Search Category	Specify the category of target devices.
		• All
		• Device tag
		• Device type
		Device revision
		Device vendor
		• Device ID
		• File name
		• Date and time
		• File type
2	Search Word	• A field in which to enter a character string to be searched.
		• There are no limitations on characters or the number of
		letters.
		• Pressing the [Enter] key when the pointer is in the entry field
		starts the search.
3	Search Button	Starts the search.
4	Device	• Displays a list of device configuration files in the Handheld
	Configuration	Communicator.
	File List	• For details, see Section 1.2.1.
5	Filtering	Switches between display and non-display of files already
	Function	saved in the device maintenance information in FieldMate.
6	Select a Saving	• Selects the device maintenance information or file as the data
	Destination	saving destination.

Table 1-3	Window	for	selecting	device	configuration	files

		• Data can be saved in the device maintenance information
		only for FieldMate Advance.
		• Data can be saved in a file for both FieldMate Basic and
		Advance.
7	To Confirmation	Moves to the window for confirming device configuration files.
	Window	

1.2.1. List of Device Configuration Files

	Device Tag	Model	Device Revision	Vendor	Device ID	File Name	Date	File Type
O.	E001HYU	EJX910	2	YOKOGAW	0F54EC	E001HYU KRE	2013/11/21 20	As Modified
	TAG11A	AXFA11	1	YOKOGAW	AC847B	AXFA11-0612	2013/06/13 12	As Left
6	YTAGH	YTA	2	YOKOGAW	899679	YTADEVREV20	2013/06/13 11	As Left
g	KATSUMA	EJX910	1	YOKOGAW	0F4492	EJX910-0611	2013/06/12 15	As Found
O.	EJX110	EJX	1	YOKOGAW	0FA472	EJX110_NoRea	2013/06/12 14	As Left
g	EJX110	EJX	1	YOKOGAW	0FA472	EJX110	2013/06/12 14	As Left
O'	EJX110	EJX	1	YOKOGAW	0FA472	EJX110-20130	2013/06/12 14	As Left
g	EJX110	EJX	1	YOKOGAW	0FA472	EJX110_readPa	2013/06/12 14	As Left
O'	FFFF56	EJX_EXP	10	YOKOGAW	12CC13	FFFF56	2013/05/21 14	As Left
g	EJX910R2	EJX910	2	YOKOGAW	0F54EC	C2 M3	2013/05/21 11	As Modified
OT .	EJX910R2	EJX910	2	YOKOGAW	0F54EC	EJX910R22	2013/05/21 11	As Modified

Figure 1-4 List of device configuration files

Order	Item	Description
1		• Check this box for the data to be converted.
		• This box cannot be checked for files already saved in the
		device maintenance information of FieldMate.
2	ļt	This mark appears for files already saved in the device
	-	maintenance information of FieldMate.
3	Device Icon	• Displays device icons.
		• For any device other than Yokogawa devices, the HART
		protocol icon 💷 is displayed.
4	Device Tag	• Displays device tags.
		• The display items depend on the setting in the FieldMate
		Setup Tool.
5	Device Type	Displays device types.
6	Device Rev.	Displays device revisions in decimal notation.
7	Device Vendor	Displays device vendor names.
8	Device ID	Displays device IDs in hexadecimal notation.
9	File Name	• Displays the device configuration file names.
		• Displays the file name which was used to save the device
		configuration file in the Handheld Communicator.
10	Date and Time	Displays the date and time when the file was saved in the
		Handheld Communicator.
11	File Type	Displays the file type which was used to save the file in the
		Handheld Communicator.

Table 1-4 Items in the list of device configuration files

Upon checking a box in the list, the characters of the chosen item become bold as shown in Figure 1-5.

Checking the box in the header selects all data on the page. Unchecking the box deselects all data (see Figure 1-6).

	. Selec	T Device Col	ingulation P	lle						
,		Device Tag	Model	Device Revision	Vendor	Device ID	File Name	Date	File Type	
/	8	E001HYU	EJX910	2	YOKOGAV	0F54EC	E001HYU KRE	2013/11/21 2	As Modified	
v		TAG11A	AXFA11	1	YOKOGAW	AC847B	AXFA11-0612	2013/06/13 1	As Left	
<i>7</i>	٢	YTAGH	YTA	2	YOKOGAV	899679	YTADEVREV2	2013/06/13 1	As Left	
	8	KATSUMA	EJX910	1	YOKOGAW	0F4492	EJX910-0611	2013/06/12 15	As Found	
	o l	EJX110	EJX	1	YOKOGAW	0FA472	EJX110_NoRea	2013/06/12 14	As Left	
	2	EJX110	EJX	1	YOKOGAW	0FA472	EJX110	2013/06/12 14	As Left	
	2	EJX110	EJX	1	YOKOGAW	0FA472	EJX110-20130	2013/06/12 14	As Left	
	2	EJX110	EJX	1	YOKOGAW	0FA472	EJX110_readPa	2013/06/12 14	As Left	
	a.	FFFF56	EJX_EXP	10	YOKOGAW	12CC13	FFFF56	2013/05/21 14	As Left	
	8	EJX910R2	EJX910	2	YOKOGAW	0F54EC	C2 M3	2013/05/21 11	As Modified	
	3	EJX910R2	EJX910	2	YOKOGAW	0F54EC	EJX910R22	2013/05/21 11	As Modified	
	g	EJX910R2	EJX910	2	YOKOGAW	0F54EC	EJX910R2	2013/05/21 10	As Found	
Displ	ay transr	mitted data files ir	n FieldMate Device	e Maintenance Info.						

Figure 1-5 Selecting data

	lect Device Co	nfiguration F	ile						6. Q.							
	•								4							
	Device Tag	Model	Device Revision	Vendor	Device ID	File Name	Date	File Type								
1	E001HYU	EJX910	2	YOKOGAM	OF54EC	E001HYU KRE	2013/11/21 2	As Modified								
8	TAG11A	AXFA11	1	YOKOGAW	AC847B	AXFA11-0612	2013/06/13 1	As Left								
	YTAGH	YTA	2	YOKOGAW	899679	YTADEVREV2	2013/06/13 1	As Left								
\$	KATSUMA	EJX910	1	YOKOGAN	0F4492	EJX910-0611	2013/06/12 1	As Found								
\$	EJX110	EJX	1	YOKOGAN	0FA472	EJX110_NoRe	2013/06/12 1	As Left								
-	EJX110	EJX	1	YOKOGAV	0FA472	EJX110	2013/06/12 1	As Left	U.			Devi	ce Tag	Model		
\$	EJX110	EJX	1	YOKOGAV	0FA472	EJX110-2013	2013/06/12 1	As Left				-				
-	EJX110	EJX	1	YOKOGAM	0FA472	EJX110_readF	2013/06/12 1	As Left				7)				
\$	FFFF56	EJX EXP	10	YOKOGAW	12CC13	FFFF56	2013/05/21 1	As Left				1				
ę	EJX910R2	FJX910	2	YOKOGAV	OF54FC	C2 M3	Select data - F	ieldMate Handh	d Communicat	tor Data Converter	for FieldMate				1	
4	EIVOLOP2	EIVOID	2	VOROGAN	OFFAFC	EIX010822	STEP1 : Selec	t Device Con	iguration Fi	le						52
1	B EXATORS	EXATO	-	TOROGAN	UF 34EC	EDA910R22	(IIA)	•								
1	EJX910R2	EJX910	2	YOKOGAN	OF54EC	EJX910R2	•	Device Tag	Model	Device Revision	Vendor	Device ID	File Name	Date	File Type	
ay tri	insmitted data files i	n FieldMate Devic	e Maintenance Info.					E001HYU	EJX910	2	YOKOGAW	OF54EC	E001HYU KRE	2013/11/21 20	As Modified	
			Se	lect type: 0	Save to Device	e Maintenance Info	0	TAG11A	AXFA11	1	YOKOGAW	AC847B	AXFA11-0612	2013/06/13 12	As Left	
item	count: 23						E 🦉	YTAGH	YTA	2	YOKOGAW	899679	YTADEVREV20	2013/06/13 11	As Left	
								KATSUMA	EJX910	1	YOKOGAW	0F4492	EJX910-0611	2013/06/12 15	As Found	
			$\widehat{\mathbf{n}}$					E/X110	EJX	1	YOKOGAW	0FA472	EJX110_NoRea	2013/06/12 14	As Left	
			l					EJX110	EIX	1	YOKOGAW	0FA472	EJX110	2013/06/12 14	As Left	
						- 1		EJX110	E/X	1	YOKOGAW	0FA472	EJX110-20130	2013/06/12 14	As Left	
ſ		De	vice Tag	Mode	1	_		EJX110	EIX	1	YOKOGAW	0FA472	EJX110_readPa	2013/06/12 14	As Left	
		De	nee nug	mode				FFFF56	EJX_EXP	10	YOKOGAW	120013	FFFF56	2013/05/21 14	As Left	
								EJX910R2	E/X910	2	YOKOGAW	OF54EC	C2 M3	2013/05/21 11	As Modified	
								EIV910P2	FIX910	2	YOKOGAW	OF54FC	FIX910R22	2013/05/21 11	As Modified	
												100 at 12 at 1	and the state of the best of the second	many in the later of the second second	and the second se	
								EIV010P2	EDY910	2	VOROGAN	OFFARC	EIV010P2	2012/05/21 14	As Found	

Figure 1-6 Selecting/deselecting all data on a page

2. Converting Device Configuration Files

2.1. Saving Data in Device Maintenance Information (possible only in FieldMate Advance)

On the window for selecting device configuration files, select Device Maintenance Information as the saving destination, choose the files to be saved, and then press the [Next] button. This moves to the confirmation window shown below.

	🔁 Check	data - FieldMa	te Handheld	Communicator Data Conve	erter for FieldMate	
	STEP2 :	Verify data	a to save to	o Device Maintenanc	e Info.	ê 🔅
		Device Tag	Model	File Name	Date	Reason
	₽	E001HYU	EJX910	E001HYU KRE	2013/11/21 20:16	E001HYU KRE : Data from FieldMate Handheld Communicator
	₽	TAG11A	AXFA11	AXFA11-0612	2013/06/13 12:50	AXFA11-0612 : Data from FieldMate Handheld Communicator
	₽	YTAGH	YTA	YTADEVREV20612	2013/06/13 11:52	YTADEVREV20612 : Data from FieldMate Handheld Communic
	₽	KATSUMA	EJX910	EJX910-0611	2013/06/12 15:21	EJX910-0611 : Data from FieldMate Handheld Communicator
	₽	EJX110	EJX	EJX110_NoReadParam	2013/06/12 14:31	EJX110_NoReadParam : Data from FieldMate Handheld Comm
	₽	EJX110	EJX	EJX110	2013/06/12 14:31	EJX110 : Data from FieldMate Handheld Communicator on 2
	₽	EJX110	EJX	EJX110-20130611-NOI	2013/06/12 14:30	EJX110-20130611-NORMAL : Data from FieldMate Handheld
	*	EJX110	EJX	EJX110_readParam	2013/06/12 14:30	EJX110_readParam : Data from FieldMate Handheld Communi
	₽	FFFF56	EJX_EXP	FFFF56	2013/05/21 14:02	FFFF56 : Data from FieldMate Handheld Communicator on 2
	*	EJX910R2	EJX910	C2 M3	2013/05/21 11:20	C2 M3 : Data from FieldMate Handheld Communicator on 201
	₽	EJX910R2	EJX910	EJX910R22	2013/05/21 11:18	EJX910R22 : Data from FieldMate Handheld Communicator or
	*	EJX910R2	EJX910	EJX910R2	2013/05/21 10:54	EJX910R2 : Data from FieldMate Handheld Communicator on
						· · · · · · · · · · · · · · · · · · ·
	🔽 Creat	te a new Devic	e Maintenano	ce Info automatically, if not	: present.	
	Progre	ess :				< Back Send
2	Selected i	item count : 2	3			
3						4 5

Figure 2-1 Window for confirming device configuration files (to save files in device maintenance information)

No.	Name	Specifications
1	Device Setting File List	Displays a list of selected device configuration
		files. For details, see Section 2.3.
2	Checkbox for Creating Automatic	Specifies whether to create the target device
	Device Maintenance Information	maintenance information automatically if it does
		not exist in FieldMate.
3	Progress Bar	Displays the progress of the conversion process.
4	Back Button	Returns to the previous window.
5	Send Button	Starts the conversion process and saves the data
		in the device maintenance information.

Table 2-1	Window	for confir	ming devic	e configurat	tion files
(to s	ave files	in device	maintenan	ce informat	ion)

Confirm the device configuration files to be saved and click the [Send] button to start the conversion. Once started, the device configuration files are automatically converted into DTM data and saved in the device maintenance information except for some specific conditions.

In the case of specific conditions, a confirmation dialog appears.

For specific conditions and respective confirmation dialogs, see Section 2.4.

2.2 Saving Data to File (possible in both FieldMate Basic and Advance)

On the window for selecting device configuration files, select File as the saving destination, choose the files to be saved, and click the [Next] button. This moves to the confirmation window shown below.

	Device Tag	Model	File Name	Date	Export File Name
7	E001HYU	EJX910	E001HYU KRE	2013/11/21 20:16	E001HYU KRE
₽	TAG11A	AXFA11	AXFA11-0612	2013/06/13 12:50	AXFA11-0612
F	YTAGH	YTA	YTADEVREV20612	2013/06/13 11:52	YTADEVREV20612
æ	KATSUMA	EJX910	EJX910-0611	2013/06/12 15:21	EJX910-0611
Ł	EJX110	EJX	EJX110_NoReadParam	2013/06/12 14:31	EJX110_NoReadParam
P	EJX110	EJX	EJX110	2013/06/12 14:31	EJX110
F	EJX110	EJX	EJX110-20130611-NOI	2013/06/12 14:30	EJX110-20130611-NORMAL
F	EJX110	EJX	EJX110_readParam	2013/06/12 14:30	EJX110_readParam
Ł	FFFF56	EJX_EXP	FFFF56	2013/05/21 14:02	FFFF56
'n	EJX910R2	EJX910	C2 M3	2013/05/21 11:20	C2 M3
Ł	EJX910R2	EJX910	EJX910R22	2013/05/21 11:18	EJX910R22
-	FIX910R2	FIX910	FIX910R2	2013/05/21 10:54	FJX910R2

Figure 2-2 Window for confirming device configuration files (saving data to a file)

		8 8 8
No.	Name	Specifications
1	Saving Destination	Specifies a folder in which to save DTM data (.dns).
		Clicking Ref displays the dialog for selecting folders.
2	List of Device	Displays a list of selected device configuration files.
	Configuration Files	For details, see Section 2.3.
3	Progress Bar	Displays the progress of the conversion process.
4	Back Button	Returns to the previous display.
5	Export Button	Starts the conversion process and saves data in the target
		folder.

Table 2-2 Window	for confirm	ing device	configuration	files (saving (data to a	file)
I GOIO A A TTHIGOT	TOT COMMITM	mg aorioo	oomegaration	1100 (outing .	aava vo a	TTTO/

Confirm the device configuration files to be saved and click the [Export] button to start the conversion process.

The conversion is automatically executed. The converted DTM data is saved in the target folder.

2.3. List of Device Configuration Files

A list of the device configuration files to be converted is shown below.

	Device Tag	Model	File Name	Date	Export File Name
*	E001HYU	EJX910	E001HYU KRE	2013/11/21 20:16	E001HYU KRE
*	TAG11A	AXFA11	AXFA11-0612	2013/06/13 12:50	AXFA11-0612
*	YTAGH	YTA	YTADEVREV20612	2013/06/13 11:52	YTADEVREV20612
*	KATSUMA	EJX910	EJX910-0611	2013/06/12 15:21	EJX910-0611
*	EJX110	EJX	EJX110_NoReadParam	2013/06/12 14:31	EJX110_NoReadParam
*	EJX110	EJX	EJX110	2013/06/12 14:31	EJX110
*	EJX110	EJX	EJX110-20130611-NOI	2013/06/12 14:30	EJX110-20130611-NORMAL
*	EJX110	EJX	EJX110_readParam	2013/06/12 14:30	EJX110_readParam
*	FFFF56	EJX_EXP	FFFF56	2013/05/21 14:02	FFFF56
*	EJX910R2	EJX910	C2 M3	2013/05/21 11:20	C2 M3
×	EJX910R2	EJX910	EJX910R22	2013/05/21 11:18	EJX910R22
ç.	FIX910R2	FIX910	FIX910R2	2013/05/21 10:54	FIX910R2

Figure 2-3 List of device configuration files

Table 2-3 Items of device configuration file list

Order	Item	Description				
1	Ł	Displays the details of the device configuration file. See Section 2.4.4.				
2	Device Tag	Displays device tags in the format set by the FieldMate Setup Tool.				
3	Device Type	Displays device type names.				
4	File Name	Displays the device configuration file name under which the device configuration file was saved in the Handheld Communicator.				
5	Date and Time	Displays the date and time when the file was saved in the Handheld Communicator.				
6	Reason	Displays the content of the reason item that has been entered when saving DTM data in the device maintenance information. The default is "[File name] data from FieldMate Handheld Communicator on [Conversion date & time]".				
7	Conversion Status	Displays the status of conversion, which is one of the following:				

2.4. List of Dialogs

2.4.1. Confirmation Dialog for Creating New Device Maintenance Information

This dialog is displayed when the following three conditions are all met before saving DTM data in the device maintenance information.

- There is no device maintenance information which corresponds to the device ID of the device configuration file data to be saved.
- "Create device maintenance information automatically" is not checked.
- There is device maintenance information of the same device type and device revision, but no device maintenance information which corresponds to the device ID of the device configuration file data to be saved.

🚘 Create a new Device Maint	enance Info FFFF					
There is no Device Maintenance Info with same Device ID.						
Create a new data?						
Vendor :	YOKOGAWA					
Model:	EJX_EXP					
Device Revision :	10					
Device ID :	12CC13					
Device Tag :	FFFF56					
	OK Skip					

Figure 2-4 Confirmation dialog for creating new device maintenance information

When the [OK] button is clicked, new device maintenance information is created based on the device ID of the device configuration file, and DTM data is saved.

When the [Skip] button is clicked, the process is skipped.

2.4.2. Dialog for Selecting Target Device Maintenance Information

This dialog is displayed when the following conditions are all met before saving DTM data in the device maintenance information.

- There is no device maintenance information which corresponds to the device ID of the device configuration file data to be saved.
- "Create device maintenance information automatically" is not checked.
- There is device maintenance information of the same device type and device revision, but the device ID is blank.

ĺ	Select Device Maintenance Info YTADEVREV20612					
	There is no Device Maintenance Info with same Device ID. Save data options: Create a new Database or available existing Database.					
	Oreate a new data					
	Vendor : YOKOGAWA Model: YTA Device Revision : 2 Device ID : 899679 Device Tag : YTAGH					
	⊘ Available existing data					
2	Vendor Model Device Revision Device Tag YOKOGAWA YTA 2 TAG-005					
	ОК Skip					

Figure 2-5 Confirmation dialog for selection

- 1. If "Create new device maintenance information" is selected When [OK] is clicked, new device maintenance information is created based on the device ID of the device configuration file, and DTM data is saved.
- 2. If "Use the existing device maintenance information" is selected Device maintenance information with a blank device ID is displayed in the list. When device maintenance information is selected in the list and [OK] is clicked, the device ID of the device configuration file is used as the device ID of the selected device maintenance information, and DTM data is saved.

When the [Skip] button is clicked, transfer of the device configuration file is skipped.

2.4.3. Confirmation Dialog for Overwriting Data

This dialog is displayed when the following conditions are met before saving DTM data in the device maintenance information.

■ There are five pieces of DTM data of the device maintenance information to be saved.

E	Select save parameters E001HYU 37540F54EC E001HYU KRE						
Cannot save E001HYU KRE to Device Maintenance Info. (maximum limit is 5)							
						DTM Marrian	
	NO	Redson	Date	DIMINAME	DTM Vendor	DTM version	
	1	E001HYU : Data from FieldMate Handheld Comn	2016/03/01 2:37:00	HART Built-in DTM	YOKOGAWA	3.3.0.154	
	2	E001HYUMODI : Data from FieldMate Handheld (2013/11/22 8:36:25	HART Built-in DTM	YOKOGAWA	3.3.0.154	
	3	AS FOUNF : Data from FieldMate Handheld Comn	2013/05/21 11:36:00	HART Built-in DTM	YOKOGAWA	3.3.0.154	
	4	AS LEFT : Data from FieldMate Handheld Commu	2013/05/21 11:36:00	HART Built-in DTM	YOKOGAWA	3.3.0.154	
	5	C1 M1 : Data from FieldMate Handheld Communi	2013/05/21 11:23:00	HART Built-in DTM	YOKOGAWA	3.3.0.154	
Skip the next confict data with same DeviceID						Skip	

Figure 2-6 Confirmation dialog for overwriting DTM data

When data to be overwritten is selected and [OK] is clicked, the DTM data is overwritten and saved. When the [Skip] button is clicked, the process is skipped. If "Skip the process if the same device ID is found during the subsequent processes" is checked, data of the same device ID is automatically skipped in the subsequent processes.

2.4.4. Dialog for Displaying Details

Clicking \checkmark on the window for confirming device configuration files (DCF) displays the details of the target date for conversion.

EJX91	.0:E001HYU	100000-0010	an creation	and the owner where the	X
	Vendor : Model: Device Revision : Device ID : Device Tag :	YOKOGAWA EJX910 2 F54EC E001HYU	LongTag : HART Protocol Rev. : HART Descriptor : HART Message :	5 DES	
	File Name : Date :	E001HYU KRE 2013/11/21 20:1	6		
Reason	:				
E001HYU KRE : Data from FieldMate Handheld Communicator on 2014/01/06					
				ОК Са	incel

Figure 2-7 Dialog for displaying details

The display items are as follows:

Table 2-4				
Device Vendor Name	Displays a device vendor name.			
Device Type	Displays a device type name.			
Device Revision	Displays a device revision in decimal notation.			
Device ID	Displays a device ID in hexadecimal notation.			
Device Tag	Displays a device tag.			
Long Tag	Displays a device long tag.			
HART Protocol Rev.	Displays a HART protocol revision.			
HART Descriptor	Displays a HART descriptor value.			
HART Message	Displays a HART message value.			
File Name	Displays the name of a DCF.			
Date and Time	Displays the date and time when DCF was created.			
Reason or Target File	If Device Maintenance Information is selected as the saving			
Name	destination, this item shows the reason. If File is selected, this			
indicates the target file name.				

2.4.5. Dialog for Required DD File List

After the conversion process, the following dialog may be displayed.

 Required DD file - FieldMate Handheld Communicator Da Export was cancelled. It is necessary to install DD file in FieldMate. Please retry after installation. (Refer to the help for installation of the DD file) 				
Vendor	Mode	Device Revision	File Name	
YOKOGAWA	YTA	2	YTADEVREV20612	
YOKOGAWA	EJX	1	EJX110	
YOKOGAWA	EJX	1	EJX110_NoReadParam	
YOKOGAWA	EJX	1	EJX110-20130611-NORMAL	
YOKOGAWA	EJX	1	EJX110_readParam	
Export required DD file list OK				

Figure 2-8 Dialog for required DD file list

To display converted DTM data in the HART Built-in DTM, the DD file of the target device configuration file is required.

Therefore, the conversion process is skipped for the device type or device revision for which the corresponding DD file has not been installed in FieldMate and the dialog is displayed with a list of required DD files.

If this dialog is displayed, exit the Data Converter and install the required DD files in the FieldMate (for details, see Chapter 3).

Then, start the Data Converter again, convert the target device configuration files into DTM data, and save it.

3. How to Install DD Files into FieldMate

This chapter explains how to install DD files into FieldMate.

3.1. Using "Device Files Setup for this device ..."

Use FieldMate's Segment Viewer or Device Navigator to choose a target device and install HART DD files in the FieldMate.

• Startup

Select the device using the Segment Viewer or Device Navigator and choose "Device Files Setup for this device ..." from the Action menu.



Figure 3-1 Segment Viewer

Then, the following dialog appears.



Figure 3-1 Set device files for this device ...

Select "Install the EDD file for this device, specifying the location" and click the [OK] button. This causes the Select Folder dialog to appear; choose the folder containing the target DD file and then click [OK].

(Obtain DD files to be installed from the website of the relevant associations or other sources.)

Browse for Folder		-X
Select folder with DD file.		
	N	
-	I 🌆 HART	^
	⊳ 퉬 000000	
	Þ 퉬 000003	
	⊳ 鷆 00000a	
	⊳ 퉬 00000d	
	> 퉬 00000e	
	D 000011	
	D 000012	
	D 000013	
	000014	
	000015	-
	OK Can	cel

Figure 2-3 Selecting a DD file

If an appropriate file is found in the folder, the following dialog is displayed.

Confirm DD file installation	••	—
DD file is installed.		
Communication Type Vendor	: HART : YOKOGAWA (0x000037)	
Model Device Revision	: 2	
The following files are installe 0201.fm6 0201.sym 0202.fm6 0202.sym	ed corresponding to the device above.	
Do you want to install?	ОК	Cancel

Figure 3-4 Confirmation dialog Click [OK] on the Confirmation dialog to start installing DD files.

Appendix Appendix A: Target Device Configuration Files

The Data Converter deals with device configuration files that meet the following condition.

• Device configuration created with the language setting of English or Japanese in the Handheld Communicator

*Other device configuration files are not displayed on the Select File window.