# 11.1 Try to Write Recipe Data in Device/PLC

#### [Action Example]

Detect the rising of the trigger device (bit device: "M01") of Device/PLC and write recipe sheet data created in Excel into 5 devices (word device: address "D50" to "D54") of Device/PLC.

(Example) Writing the data of record No. "1" of a recipe sheet.



This section describes the setting procedures for executing the above action (ACTION) as an example.

### [Setting Procedure]

1	Creating a Recipe Sheet	This step creates a recipe sheet in 'Microsoft Excel' to write in Device/PLC.
2	Starting 'Pro-Studio EX'	This step starts 'Pro-Studio EX'.
3	Registering Entry Nodes	This step registers the PC and the GPs as entry nodes.
4	Registering Symbols	This step registers as a symbol the device of Device/ PLC to write data in.
5	Specifying a Recipe Sheet and its Output File	<ul><li>This step sets the following items:</li><li>Specify a recipe sheet</li><li>Specify an output file</li></ul>
6	Setting the Contents of a Recipe Sheet	<ul><li>This step sets the following items:</li><li>Set a writing device</li><li>Set the area to read out</li></ul>
l		
7	Setting ACTION Node/Process Completion Notification	This step sets the name of an ACTION node and the alert setting whether it should be tuned on or off when the ACTION is completed.
8	Verifying Setting Result	This step verifies setting results on the setting content list screen.
9	Saving a Network Project File	This step saves the current settings as a network project file and reloads.
	+	
10	Transferring a Network Project File	This step transfers a saved network project file to the GP.
	+	
11	Executing ACTION	This step verifies that recipe data is written in the specified area of Device/PLC when the preset trigger condition has become effective.

### 11.1.1 Creating a Recipe Sheet

This step creates a recipe sheet where data to write in Device/PLC exists.

1 Start 'Microsoft Excel' and create the recipe sheet below in Sheet 1.

#### [Creation Example]



Leave both spaces for "Symbol Name" (Cells B1 to F1) and those for "Record No." (Cells A2 to A4) blank for these will be automatically allotted and filled in after completing the setting.

• You can prepare multiple recipe data on Excel. Allot a record No. for each recipe to specify data to write in Device/PLC. For details, refer to "11.1.6 Setting the Contents of a Recipe Sheet" mentioned later.

- **2** Save the recipe sheet with the file name "recipe.xls" on PC desktop after creating.
  - NOTE

You can create a recipe sheet in the direction (horizontal) as shown below.



# 11.1.2 Starting 'Pro-Studio EX'

This step starts 'Pro-Studio EX'.

Refer to "3 Trial of Pro-Server EX" for details about starting method.

### 11.1.3 Registering Entry Nodes

This step registers the PC and the GP connected with network as nodes. Refer to "29 Node Registration" for details about entry nodes.



Node Name	:PC1
IP Address	:192.168.0.1



Node Name	:AGP1
IP Address	:192.168.0.100
Device/PLC Inform	nation



Entry node	Setting item	Setting example
PC	Node Name	PC1
	IP Address	192.168.0.1
	Туре	GP3000 series
GP	Node Name	AGP1
	IP Address	192.168.0.100

# 11.1.4 Registering Symbols

This step registers as a symbol the device address of Device/PLC to which device data is written. Refer to "30 Symbol Registration" for details about symbols.





#### • Trigger (Trigger Condition)

Setting item	Setting content
Symbol Name	Start writing
Data Type	Bit
Device address for symbol registration	"01" of Device/PLC (PLC1)
No. of Devices	1

#### Record No. storage

Setting item	Setting content
Symbol Name	Record No. Storage
Data Type	16Bit (Unsigned)
Device address for symbol registration	"10" of Device/PLC (PLC1)
No. of Devices	1

#### • Writing Device

Setting item	Setting content
Symbol Name	PLC1 data
Data Type	16Bit (Signed)
Device address for symbol registration	"D50" to "D54" of Device/PLC (PLC1)
No. of Devices	5

# 11.1.5 Specifying a Recipe Sheet and its Output File

This step specifies the pre-created recipe sheet and its output file. Refer to "11.3 Setting Guide" for more details.

# **Ex.**

Setting item		Setting content
Specify a Template	Template File	C:\Documents and Settings\Administrator\Desktop\recipe.xls
	Folder Name	C:\Documents and Settings\Administrator\Desktop
Output File	File Name	Recipe write.xls
	Start with the output file checked	Not checked

1 Click the [Feature] icon on the toolbar.

饕 Pro-Studio EX 🛛 ?	лрх		
File Edit Tool Pro	ogramming Assist – Settin	ng Help	
对 Start >	Node ≫	Symbol Symbol	Save 2
Symbol		Node Name AGP1	Device Name
Group	Ungroup	Sheet Name Sheet3	Set it as a glob
Insert	Delete		<u>-</u>

2 Select [ACTION] from the tree display on the left of the screen, then click the [Add] button.

📚 Pro-Studio EX	test.npx	
	Programming Assist	Setting Help
对 Start 🔉	Node	🔊 🔑 Symbol
Add	Import	
Edit	Delete	ACTION
ACTION     Trigger Cor     Data Trans     Device Cad	fer	In addition using appli- using Acce In the Pro-S referred to a

**3** Click the [ACTION Type] list button, and select "Create form using EXCEL".

Then, enter the name of ACTION to set in the [ACTION Name] field. In this example, enter "Recipe write".

NOTE • [ACTION N	ame] can be an arbitrary name.
------------------	--------------------------------

Set ACTION Name/Parameter	×
Add a new ACTION. Specify an ACTION name, and set its parameter.	
ACTION Type Create form using Excel.	•
ACTION Name Writes Data to CSV file. Upload of GP JPEG Data. Upload of GP Log Data. Upload of GP Log Data. Upload to the database. Download from the database.	
Next	Cancel

4 Click the [Click here to set ACTION parameter] button.

ACTION Type Create form using Excel.	•
Display the Actions of the old version of Pro-Server	
ACTION Name RecipeWrite	
Click here to set the ACTION parameter.	

- 5 Make settings regarding an Excel template and its output file.
  - 1) Click the [More] button of [Template file] to set the template file "templete.xlt" which you created.

Create form using Excel		
		Version 1.00
Template Designation —		
When you use the wiza	e of Excel template file that is the source of forms. (d, the theme template file is copied to a file with this name. , template, please specify the file name.	
Template File	C:\Documents and Settings\Administrator\Desktop\exceltable	Reference
	Edit Template	
Output File		
I he template file stores	setting info. The actual output result will be displayed in the follo	wing file.
Folder Name	C:\Program Files\Pro-face\Pro-Server EX\NpxDatabase	Reference
File Name	Report_%Y%M%D.xls Return to D	efault Settings
Start from Displayed	l State	
	ОК	Cancel

2) Click the [More] button of [Folder Name] and specify "Desktop" as a folder to save the output file.

Output File The template file stores setting info. The actual output result will be displayed in the following file.									
Folder Name	Folder Name C:VProgram FilesVPro-faceVPro-Server EXWpxDatabase Reference								
File Name	Report_%Y%M%D.xls		Return to	Default Settings					
Start from Displayed	Start from Displayed State								
			ок	Cancel					

3) Set the file name "Recipe write.xls" in the [File Name] field for the output file to set.

Output File The template file stores setting info. The actual output result will be displayed in the following file.								
Folder Name File Name								
🔽 Start from Disp	yed State							
	OK Cancel							

### 11.1.6 Setting the Contents of a Recipe Sheet

This step sets the contents of a recipe sheet for writing data to Device/PLC. The example below shows the setting of data write area (recipe area) of a recipe sheet. Refer to "11.3 Setting Guide" for more details.



/ Ex. /

Setting item	Setting content
Entry Node	AGP1
Device Name	PLC1
Device Address/Symbol Group	PLC1 data
Add Device Address/ Symbol Name	Checked
Target Cell Range	A1 to F4
Data Direction	Specify the direction of record No.s as "Vertical".
Trigger Condition Name	Turn on write start bit
Trigger Condition	When "Start writing" (M01) is ON

1 Click the [Edit Template] button.

Create form using E	(cel	
		Version 1.00
_ Template Designation	۱	
When you use the	name of Excel template file that is the source of forms. wizard, the theme template file is copied to a file with this name. .new template, please specify the file name.	
Template File	C: Documents and Settings \Administrator Desktop \exceltable	Reference
	Edit Template	

The recipe sheet appears.

- 2 Set a data write area.
  - 1) Click the [Recipe Area] icon on Excel.

M	🔀 Microsoft Excel - template.xlt											
	Eile Edit View Insert Format Iools Data Window Help ExcelAction(A)											
	🗋 😂 🖬 🖨 📾 🔹 🕫 τ 🍓 Σ 🏂 斜 🏨 🖗 🐥 Arial 💿 τ 10 🔹 Β Ζ Ψ 📰 🗄 τ 🖄								🕭 - 🏅			
	🔊 🔂 🔽	abi 💷	• == ==	F 🕈 🕄	A 🖾 💈	<u> -                                   </u>						
1			9 🛱 🖪									
	J K •		-									
	A Recipe	Area	С	D	E	F	G	Н		J	K	-
1												
2		10	20	30	40	50						
3		60	70	80	90	100						
4		110	120	130	140	150						
5												
8								1 1				



• Selecting "Recipe Area" from [Excel ACTION] of the menu displays the same screen.



2) Click the list button of [Entry Node] and select "AGP1" as a data transfer destination node.

🖗 Recipe	X
Action Settings Record No. Settings Trigger Condition Setting	
Device Settings Node [Trigger-Source Node]	Device
Device Address/Symbol Group	No. of 1
Data Type 16Bit(Signed)	
Add Device Address/Symbol Name	Note: When specifying inconcecutive memory data, please use a group symbol.

3) Click the list button of [Device Name] and select "PLC1" as a data transfer destination device.

🖗 Recipe		-	. 🗆 ×
Action Settings Rec	cord No. Settings 🛛 Trigger Conditi	on Settings	
Device Setting Node Device Addres Group	e AGP1		
Data Ty		Note: When specifying inconcecutive	
IV Add Devic	ce Address/Symbol Name	wrie: wrien specifying inconcecutive memory data, please use a group symbol.	

 Click the list button of [Device Address/Symbol Group] and select "PLC1 data" as a symbol of the data to write in.

Necipe 😽						_ 🗆 🗙
Action Settings Record No. Se	ettings   Trigger Condition Settir	ngs				
Device Settings	AGP1	]]	Device Name	PLC1	•	
Device Address/Symbol Group		<b>V</b> =	- Local:She Writes			
Data Type	16Bit(Signed)			rdNoStorage		
Add Device Address	/Symbol Name		PLC10			

The device number "1" will be automatically entered in [No. of Devices], and "16Bit(Signed)" in [Data Type].

👹 Recipe			_ 🗆 X
Action Settings	Record No. Se	ttings Trigger Condition Settings	
Device 9	ettings Node	AGP1 Device PLC1 V	
Device	Address/Symbol Group	PLC1data No. of Devices	
D	ata Type (	16Bit(Signed)	
Mada Ada	I Device Address	/Symbol Name Note: When specifying inconcecutive memory data, please use a group symbol.	

5) Check [Add Device Address/Symbol Name].

🐝 Reo	tipe					_ 🗆 ×
Actio	on Settings Record No. Se	ttings   Trigger Conditio	on Settings			
	Device Settings	AGP1	<b>•</b>	Device Name	PLC1	<b>.</b>
	Device Address/Symbol Group	PLC1data	¥	No. of Devices	1 =	3
	Data Type	16Bit(Signed)				
	Add Device Address	/Symbol Name	me	te: When sp mory data, p nbol.	pecifying inconcecutive please use a group	

• The Device Address/Symbol Name will be reflected in the template after "11.1.9 Saving a Network Project File" mentioned later.

6) Click the cell range specify button of [Target Cell Range].

Layout Settings	Sample
Target Cell	An image of writing to a cell is shown below.
Range	The arrow points in the direction of arranging
Data Direction	recipe data.
No. of Records 1	D101         D102         D103         D104           1         25         25         25           2         50         20         20         10           3         20         20         30         30           4         10         10         10         70

7) Drag the mouse to specify the data write area (cells A1 to F4). Then click the [OK] button.

	A	В	С	D	E	F	G	Н	 J	K	
1											
2		10	20	30	40	501					
<b>2</b> 3		60	70	80	90	100j					
4		110	120	130	140	150]					
5				Specify R	ange			? ×			
6 7				Discourse and	cify the rang	_					
				Please spe	eciry the range	в.					
8											
9											
10											
11				\$A\$1:\$F\$	54						
12											
12 13						OK N	G	ncel			
14							Z				
15											
16											
17											
18											-

```
NOTE
```

• When specifying the area, cover the cells to insert record No.s and Device Address/Symbol Names.

8) Select "Vertical" of [Data Direction].

Layout Settings	
Target Cell \$4\$1:\$F\$4	Sample An image of writing to a cell is shown below.
Data Direction	The arrow points in the direction of arranging recipe data.
Pev	D101 D102 D103 D104
No. of Records 3	1 25 25 25 25 2 50 20 20 10
Note: The layout of a group symbol is fixed.	3 20 20 30 30 4 10 10 70

9) Click [Allot Record No. from 1 to Cell Range].

Layout Settings Target Cell \$A\$1:\$F\$4	Sample
Data Direction	The arrow points in the direction of arranging recipe data.
No. of Records Note: The layout of a group symbol is fixed.	D101         D102         D103         D104           1         25         25         25         25           2         50         20         20         10           3         20         20         30         30           4         10         10         10         70
	Allot Record No. from 1 to Cell Range

• Specify the recipe data to write in Device/PLC with record No.s This example allots record No.s to the recipe data.

Record No.s and ruled lines are automatically added on the recipe sheet.

	A	В	С	D	E	F
1		PLC1data[0]	PLC1data[1]	PLC1data[2]	PLC1data[3]	PLC1data[4]
2	1	10	20	30	40	50
3	2	60	70	80	90	100
4	3	110	120	130	140	150

**3** Specify a record No.

Specify the recipe data by entering a record No. in the symbol "Record No. Storage" from GP or Device/PLC.

(Example) In case of storing device data "1" in the device "Record No. Storage".



1) Click the [Record No. Settings] tab.

😻 Recipe			_ 🗆 🗙
Action Settings Record No. Settings rigger Condition Settings			
Device Settings			1
Node AGP1	Device Name	PLC1 💌	
Device Address/Symbol IPLC1data	No. of Devices	5 📑	

2) Click "Specify by Device/Symbol Values" in [Record No. at Write Recipe].

🎬 Recipe	_ 🗆 X
Action Settings Record No. Settings Trigger Condition Settings	
The recipe has two or more records. Please configure the specification method of them.	
Record No. at Write Recipe	
Node (Trigger-Source Node Device Name	
Device Data Type 16Bit(Signed)	
No. of Characters	
Specify by cell value	
\$4\$1	
100 200 From Cell to PLC	

• If you select [Specify by cell value], specify any cell on Excel. The number entered in the cell is recognized as the record No.

Refer to "11.3 Setting Guide" for more details.

3) Click the list button of [Entry Node] and select the node name "AGP1" which has the Device/PLC to store the record No.

🎳 R	lecipe			_ 🗆 🗙
Ad	ction Settings	Record No. Settings	Trigger Condition Settings	1
	The recip	e has two or more rec	ords. Please configure the s	specification method of them.
Г	Record No. a	it Write Recipe		
	💿 Spec	ify by device/symbol v	alue	
	Node	rigge	r-Source Node) 🗾 📖	Device  Name
	Device Address	/Symbol (Tria	1 geNSource Node)	Data Type 16Bit(Signed)
				No. of Characters

4) Click the list button of [Device Name] and select the Device/PLC "PLC1" to store the record No.

👸 Recipe	_ 🗆 X
Action Settings Record No. Settings Trigger Condition Settings	
The recipe has two or more records. Please configure the specification method of them.	
Record No. at Write Recipe	1
Specify by device/symbol value	
Node AGP1 Device HINTERNAL .	
Device Address/Symbol	
No. of Characters	

5) Click the list button of [Device Address/Symbol] and select the symbol name "Record No. Storage" of the device to store the record No.

*	Recipe				_ 🗆 🗙
	Action Settings Record No.	Settings Trigger Condition Se	ttings		
	The recipe has two or	more records. Please configu	e the specification method of t	them.	
	Record No. at Write Recipe				
	Specify by device/	symbol value			
	Node	AGP1 💌	··· Device PLC1 ··· Name	•	
	Device Address/Symbol	<b></b>	▼ ⊟ Local:Sheet3		
			WriteStart RecordNoStorag		
	Specify by cell value	e		R. C.	
		\$A\$1			

The device data type "16Bit(Unsigned)" will be automatically entered in [Data Type].

- 4 Set trigger conditions.
  - 1) Click the [Trigger Condition Settings] tab.

👹 Recipe						_ 🗆 🗙
Action Settings Record N	No. Settings Trigger Condition	on Settings				
The recipe has two	or more records. Please cor	nfigure the s	pecification m	nethod of them.		
Record No. at Write Re	cipe					
Specify by devi	ce/symbol value					
Node	AGP1	<b>•</b>	Device Name	PLC1	•	
Device Address/Symbol	RecordNoStorage	•	Data Type	16Bit(Signed)		

The "Trigger Condition Settings" screen will appear.

🖗 Recipe	
Recipe         Action Settings       Record No. Settings         Action Area No.       Image: Condition Settings         When the specified trigger type (under-condition button) is satisfied, this area is executed.         Please specify a trigger type.         New Trigger Condition         Write         Edit       Delete         Trigger Condition         *	
If two or more are specified, the Action is executed when any of them is satisfied. For more complicated operation, please configure from [Excel Action]-[Execution Sequence List] in the menu.	
OK	Cancel

2) Click the [New Trigger Condition] button.



• You can also activate ACTION by placing a button on Excel from [New Trigger Button] and clicking it. Refer to "11.3 Setting Guide" for more details.

3) Click the [New Trigger Condition] button.

Set Trigger Condition
Specify a trigger condition of the ACTION.
Trigger Condition
New Trigger Condition
Edit
Node
Close

 Enter the trigger condition name "Turn on write start bit" in [Trigger Condition Name], and select "AGP1" in [Node Name] as a name of the data transfer source.

			×
Trigger Condition Name	TumOnWriteStartBit	r 🕰	Find Node
Node Name	PC1 Add Node		Find Node
(	AGP1		
			•

5) Click the [When Device ON] button in the [Condition 1] tab and select "PLC1" for the device name.

Condition 1 Specify the Trigger Condition.				
🛒 When Turned ON	While Device is ON	While Condition Satisfied		
G Specified Time	While Device is OFF	When Condition Satisfied		
Constant Cycle	When Device ON	<table-of-contents> When Partner Node ON</table-of-contents>		
When Device Changes	When Device OFF	When Partner Node OFF		
Device Name #INTERNAL #INTERNAL Data Type 16Bit(Signed)				
Limited Time Offer Check Cycle Always				
	Detail Settings	OK Cancel		

6) Click the [Device Address] list button and select "Start writing" for the device symbol name which serves as the trigger.

Device Name	
PLC1	7
Device Address WriteStart	
Tecordity Storage	
Data Type 16Bit(Signed)	
Limited Time Offer	
0 to hour 0 to min - 0 to hou	
	el

[Data Type] automatically appears after selection, too.

7) Click the [OK] button.

Device Name PLC1	<ul> <li>Turn OFF the Specified Device Address after Processing.</li> </ul>
Device Address	i locossing.
WriteStart	
Data Type Bit	
🔲 Limited Time Offer	Check Cycle 🔲 Always
0 + hour 0 + min · 0 + hour	0 min 500 ms
	Detail Settings OK Cancel

8) Click the [Close] button.

Set Trigger Condition	×
Specify a trigger condition of the ACTION.	
Trigger Condition	
New Trigger Condition	
TurnOnWriteStartBit	Edit
Node AGP1	
When WriteStart of Node AGP1 is Turned ON	
	Close

9) Click the blank line of [Write] and select "Turn on write start bit" as a trigger condition.

New Trigger Condition New Trigger But	tton
Edit Delete	ReadEdit
Trigger Condition	Trigger Condition

10) Click the [OK] button.

If two or more are specified, the Action is executed when any of them is satisfied. For more complicated operation, please configure from [Excel Action]-[Execution Sequence List] in the menu.
OK Cancel

11) Click the [OK] button.

Excel Rep	port Action - Info X
٩	Cannot perform Test Read. Please confirm the followings. - The network project file (npx) has been correctly loaded into Pro-Server EX. - The target node is participating. - The cable is not broken.
	OK



This is the end of the content settings of a recipe sheet.

NOTE

• Can display Data/Time on an Excel sheet.

"5.2 Writing Date/Time in a Form"

- Can display arrows on an Excel sheet.
   "5.3 Writing Arrows in a Form"
- Can display a trigger source node on an Excel sheet.

"5.4 Writing Trigger Source Node Names in a Form"

5 Close 'Excel'.

Microsoft Excel - template.xlt	
File Edit View Insert Format Tools Data	Window Help ExcelAction(A)
Ctrl+N	🛃 🛍 🕐 🐥 Arial 🔹 10 🗸 B 🖌 🗓 📰 🗸 🦄 🗸 💥
Ctrl+O	LA 🖾 🕅 -
Liose	
Gave Ctrl+S	
🛁 🙀 Save as Web Page	
1 Web Page Preview	
2 web Page Preview	- 30 40 50
3 Page Setup	80 90 100
4 Print Area	▶ <u>130</u> 140 150
5 🐧 Print Preview	
6	
8 Send To	• · · · · · · · · · · · · · · · · · · ·
9	
10 <u>1</u> \Documents and Se\exceltablexis.xis	
11 2 \Documents and Settings\A\Book1.xls	
12 <u>3</u> \Documents and Settings\m\aaaa.xls	
13 <u>4</u> \Documents and Settings\mh\test.xls	
14 15 Exit	
16 × ×	
17	
18	
H I H Sheet1	
	1
Ready	

The following dialog box will appear, asking you if you want to save changes before closing. Click the [Yes] button.



6 On the "Create a Form Using Excel" screen, click the [OK] button.

Folder Name	C:\Documents and Settings\A	C:\Documents and Settings\Administrator\Desktop Reference		
File Name	RecipeWrite.xIs	Return	to Default Settings	
🔽 Start from Displ	ayed State			

## 11.1.7 Setting ACTION Node/Process Completion Notification

This step sets the name of an ACTION node and the alert setting whether it should be tuned on or off when the ACTION is completed.



- ACTION Node : PC1
- Receive Notification: OFF

1 On the "ACTION Name/Parameter Settings" screen, click the [Next] button.

Set ACTION Name/Parameter	×
Add a new ACTION. Specify an ACTION name, and set its parameter.	
ACTION Type Create form using Excel.	-
Display the Actions of the old version of Pro-Server	
ACTION Name RecipeWrite	
Click here to set the ACTION parameter.	
Next Cancel	

2 Click the list button of [Action Node] and select "PC1" as a node where ACTION operates.

Set ACTION Node/Process Completion Notification	×
ACTION Type Create form using Excel.	
ACTION Name RecipeWrite	
Specify an action node (Windows PC) where the ACTION works practically.	
PC1 PC1 Referre Netification Exists	
Please specify the notified device that will be informed of the execution of the ACTION. After the execution of the ACTION, it will be is turned on.	

**3** Turn off the [Receive Notification Exists] check box, if checked.

ACTION Nod	le
PC1	
the ex	e Notification Exists - specify the notified device that will be informed of ecution of the ACTION. After the execution of the IN, it will be is turned on.
	Device Name
	#INTERNAL
	Notified Device
	Data Type Bit



4 Click the [End] button.

The "ACTION Node/Process Completion Notification Settings" screen will disappear. On the left of the screen, the name of ACTION you set will appear.

	Device Name
	#INTERNAL
	Notified Device
	Data Type Bit
Ba	ck Complete Cancel

This is the end of the settings of the ACTION node and process completion notification.

## 11.1.8 Verifying Setting Result

This step verifies setting results on the setting content list screen.

1 Select the ACTION name "Recipe write" from the tree display on the left of the screen.



Confirm that the setting content appears on the right of the screen.

Setting Help	
>> ≽ Symbol >> ≷ Feature >> 📄 Save >> 🖄	Transfer Monitor Status
ACTION-Specific Trigger Condition/Process List	ACTION
Add Edit Release	Delete ACTION
Data Source Node AGP1	RecipeWrite
Trigger When WriteStart of Node AGP1 is Tu Condition Data	Rename
Completion TurnOn	Create form using Excel.
	Set Parameter
L	ACTION Node
	PC1

2 Select the trigger condition name "Turn on write start bit" from the tree display on the left of the screen.

🂱 Pro-Studio EX 🛛 ?.npx				
File Edit Tool	Programming Assist			
Start 🤇	Node			
Add	Import			
Edit	Delete			
ACTION				

Confirm that the setting content appears on the right of the screen.

					_	
Setting Help						
» ┝ Symbol » 襓 Feature	» 🔡	Save >	Ľ	🤰 Transfei		Monitor Status
Trigger Condition	Sec	juence D	iag	ram by Ti	rigger Condition	
	<b></b>	Collapse		Tra	insfer ACTION/Data	
TurnOnWrib Edit	Feature	Source		Destinat	Receive/Process Co.	
Node AGP1	RecipeW	AGP1.#	->	PC1.Re		
						_
When WriteStart of Node AGP1						

This is the end of the verification of the settings.

### 11.1.9 Saving a Network Project File

This step saves the current settings as a network project file and reloads to 'Pro-Server EX'.

Refer to "24 Saving" for details about saving a network project file.

- Pro-Server EX' reads a created network project file, and then executes ACTION according to the settings in the file. The settings therefore need be saved in the network project file.
  - Be sure to reload the network project file to 'Pro-Server EX' If not, ACTION will not work.



#### 11.1.10 Test Write

You can check if the settings are correct before transferring a created network project file to entry nodes.

NOTE	You do not necessarily have to perform a test write. If you skip this, proceed to "11.1.11 Transferring a Network Project File".
[MPORTANT]	Note that the data will be actually written in the Device/PLC when you specify the device of Device/PLC as a write destination. To perform a test write, it is necessary that 'Pro-Server EX', to which a created network project file has been loaded, is running.

**1** Click the [Feature] button.

2 Click "Excel Report ACTION" from the tree display on the left of the screen, then click the [Edit] button.

**3** On the "ACTION Name/Parameter Settings" screen, click the [Click here to set ACTION parameter] button.

**4** On the "Create a Form Using Excel" screen, click the [Edit Template] button.

5 With the ACTION area selected, click the [Test Write] icon.

Microsoft Excel - Recipe.xlt		_ <b>D</b> ×
Bile Edit View Insert Format Iools Data Window Help ExcelAction(A)		_ 8 ×
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M 🛱 🖓 🔽 🖬 🗆 ° 🖽 🖼 ≓ 🚔 🗒 A 🖾 💸 -		
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Object 2 = =EMBE		
A B C U E F G H		JK
3 2		
4 3		
6		

At this point, data is written in the Device/PLC.

- You can check that data is being written on the "Symbol Monitor" screen of "Status Monitor". For more details, see "27 Simply Confirming On-site Status".
  - Refer to "11.4 Restrictions" for details about the restrictions on test writes.

#### 11.1.11 Transferring a Network Project File

This step loads a saved network project file to 'Pro-Server EX' and then transfers to entry nodes.

Refer to "25 Transferring" for details about transferring a network project file.

**NOTE** • Be sure to transfer a network project file. If not, ACTION will not work.

#### 11.1.12 Executing ACTION

This step verifies that enabling a trigger condition activates ACTION and writes the data of the recipe sheet (File name: "Recipe write.xls") to the specified device of Device/PLC.

🐺 Symbol - Monitor of Pro-Server EX			
Node AGP1   Device/PLC PLC1  Device Add	dress Sheet3	4	
Set Polling time 1000ms Time expended for read 3047ms	Time expended for write	Start Start	
G G Symbol Data type + Address Count WriteStart Bit M0001 1	+00 +01	+02	+03 +04 📥
RecordNoStor16Bit(Signed) D0010 1			
PLC1data 16Bit(Signed) D0050 5	10 20	30	40 50

NOTE

You can check the write/read status using the symbol or device monitor. For more details, see "27 Simply Confirming On-site Status".

• If error occurs, you can check the log in the Log Viewer. For more details, refer to "27.5 Monitoring System Event Logs".

This is the end of the explanation of this ACTION.