
MasterScope MISSION CRITICAL OPERATIONS

ScenarioCmd

Import Definition File

Reference

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Revision History

Edition	Chapter/Section	Details
First Edition	-	-
Second Edition		<ul style="list-style-type: none">• Added the specification of the schedule definition mode to be used.• Enabled deletion of unused schedules.

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1. Preface

This document is an operation procedure manual that is used to import the scenario control definition by using a command on the manager in the MasterScope MISSION CRITICAL OPERATIONS Ver4.2 and later.

2. Supported OS

The supported OS is the same as that of the MasterScope MISSION CRITICAL OPERATIONS manager.

3. Functional outline

This function can be used to import group and scenario definition information by using a command on the manager.

When you import group and scenario definition information into an environment in which a group and scenario are already defined, the existing definition information is updated if the group and scenario defined in the import file has the same level and the same group and scenario name as the already defined group and scenario. Likewise, the definition information about the schedule and calendar used in the scenario is updated if the schedule and calendar names are the same.

Procedure for applying group and scenario definition information

1. Create an import definition file by using an editor or other application.
2. Import the import definition file by using the scenario control import command.

Cautions

- Edited import files cannot be imported from the console by using the method described in this manual. Specify a file exported from the console.
- Upgrade the version of all of the monitoring terminals when those with the version prior to MasterScope MISSION CRITICAL OPERATIONS Ver4.2.0 are used.

When the definition is updated in the monitoring terminal of the version prior to MasterScope MISSION CRITICAL OPERATIONS Ver4.2.0, incorrect operation of the monitoring terminal and the manager, and damage on the monitoring definition file may possibly occur. In that case, reinstall the product, or perform restoration from the backup file.

- The scenario for which import has been completed is not deleted when a failure occurred during the import in progress.
- When the imported definition is exported from the monitoring terminal, the files used for import and files output during export do not necessarily match even if export is performed without changing any definition at all. (The appearance order of the respective setting items in the file may possibly change.)
- Do not update the target import file while the import in progress by the command.
- The SG back-up command fails while the import in progress by the command.

Execute the command again after completing the import process by the command.

For the backup and restore procedures, see the Help.

[Command reference]-[Backup/restore function]-[Backup command]

- It is recommended to back up the monitoring definition file before performing the import process.
- For details about the settings and operation of parts, see Help.

4. Command Reference

For details, see the manual (Help) of MasterScope MISSION CRITICAL OPERATIONS.
[Command Reference]-[ScenarioCmd]-[ScenarioCmd IMPORT]

5. Outline of import definition file

An import definition file comprises the multiple files described below.
All of these files shall be stored in an identical directory.

File type	Details
Definition of the scenario configuration	Describes a scenario configuration (the hierarchy definition by the scenario control view) and a group definition.
Scenario definition	Describe the scenario definition.
Calendar definition	Describe the calendar definition. This file is used for a scenario that uses a business date.
Schedule definition	Describe the schedule definition.

For the calendar and schedule definitions, refer to the calendar and scheduler procedure manual (Calendar_Schedule_Import .pdf).

6. Scenario definition file

A scenario definition file describes a scenario configuration (the hierarchy definition by the scenario control view) and a group definition.

When creating a scenario definition file, note the following.

- Specify the character encoding and line feed codes in the file as described below.
Window manager: UTF-16 (without BOM), and CR+LF for the line feed code
UNIX manager (HP-UX(IPF) and Linux): UTF-8 (without BOM), and LF for the line feed code
- Indents are added using the tab character in the file description examples in this chapter to improve readability, however deleting indents does not cause any problems. To add an indent, the tab character and one-byte spaces can be used.
- The file is composed of a header part and a group definition part. In the header, specify data such as the product name and function name (Scenario). In the group definition part, specify the definition in section units (from [Section name] to [Section name_END]).
- For items where [Required] is described in the description of the "Value", the Key=Value line must be described when creating the scenario definition file. For items where no [Required] is described, they can be omitted; however, a whole line including the item must be omitted (Value only cannot be omitted when Key only is described).
- For the comment, "#" or "/" must be added at the beginning of a line.
- Single-byte or double-byte spaces and tabs at the beginning and at the end of Value are removed.

Example of description

```
FILE:MCOperations
DESCRIPTION:Definition-of-the-scenario-configuraition
FUNCTION:Scenario
VERSION:4.0
OPERATOR:Administrator
```

Header part

```
[S_GROUP]
  GROUPNAME=Group-1
  ICONPATH=
  WORKFLOWFILE=Scenario-1
[S_GROUP]
  GROUPNAME=Group-2
  ICONPATH=
  AUTHOR=Administrator
  WORKFLOWFILE=Scenario-2
[S_GROUP]
  GROUPNAME=Group-3
  ICONPATH=
  AUTHOR=Administrator
  WORKFLOWFILE=Scenario-3
[S_GROUP_END]
[S_GROUP_END]
[S_GROUP_END]
```

Group definition

6.1 Header part

The character strings in the header part are described as below:

FILE:MCOperations	... Product name (fixed) [Required]
DESCRIPTION:Definition-of-the-scenario-configuraition consisting of up to 64 characters, Japanese supported) [Required]	... Definition (arbitrary character string)
FUNCTION:Scenario	... Function name (fixed) [Required]
VERSION:4.0	... File version (fixed) [Required]
OPERATOR:Administrator	... User name (arbitrary character string consisting of up to 64 characters, Japanese supported) [Required]

* The restriction on the number of characters does not include the number of characters in the key (<Key name>:).

6.2 Group definition part

6.2.1 Group definition

6.2.1.1 [S_GROUP] to [S_GROUP_END]

In this section, the group definition is described.

For [S_GROUP], multiple definitions can be described (for the number of groups). However, the same group name cannot be defined on the same level.

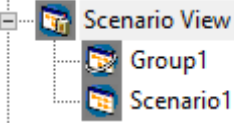
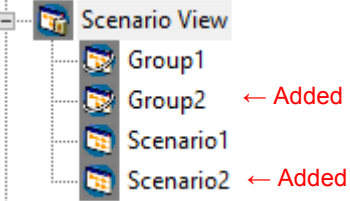
This section can be described under the root or under the [S_GROUP] section.

Key	Value
GROUPNAME	<p>Group name</p> <p>Describe the group name by using up to 64 characters. [Required]</p> <p>The name specified here is displayed in the scenario control view tree.</p> <p>Only when importing data directly below the scenario control view, can you import data without creating the top-level group by specifying a null character for the top-level group.* 1</p> <p>The specified character string can contain Japanese characters.</p> <p>Use characters other than "&", "%", "\$", and "!".</p> <p>A group name consisting only of periods (.) cannot be specified.</p> <p>Example: ". ", ". ."</p>
ICONPATH	<p>Icon file name to be used</p> <p>Describe an absolute path that is used as a group icon by using up to 256 characters. [Required]</p> <p>You must specify this key (ICONPATH=) even if you do not specify the icon file.</p> <p>The specified character string can contain Japanese characters.</p>
AUTHOR	<p>Author</p> <p>Describe the name of the author who created the group by using up to 64 characters. [Required]</p> <p>This is the author name displayed on the group property tab in the scenario control view.</p> <p>The setting is ignored during command-based importing as this key is always Administrator.</p>

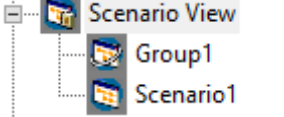
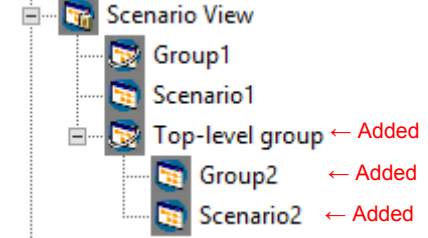
Key	Value
WORKFLOWFILE	<p>Scenario definition file name</p> <p>Specify the scenario definition file name (except for the extension) of the scenario to be defined in the group.</p> <p>Describe an absolute path of the scenario definition file by using up to 256 characters.</p> <p>The extension of the scenario definition file must be ".txt."</p> <p>The specified character string can contain Japanese characters.</p> <p>When the scenario definition file name is sample.txt: WORKFLOWFILE=sample</p>

*1: An example of importing data directly under the scenario control view is shown below.

When GROUPNAME is blank in the top-level group section

Group definition	Import destination	Import result
<pre>[S_GROUP] GROUPNAME= ICONPATH= AUTHOR=Administrator WORKFLOWFILE=Scenario-2 [S_GROUP] GROUPNAME=Group-2 ICONPATH= AUTHOR=Administrator [S_GROUP_END] [S_GROUP_END]</pre>	 <p>Scenario View</p> <ul style="list-style-type: none"> Group1 Scenario1 	 <p>Scenario View</p> <ul style="list-style-type: none"> Group1 Group2 ← Added Scenario1 Scenario2 ← Added

When GROUPNAME is specified in the top-level group section

Group definition	Import destination	Import result
<pre> [S_GROUP] GROUPNAME=Top-level group ICONPATH= AUTHOR=Administrator WORKFLOWFILE=Scenario-2 [S_GROUP] GROUPNAME=Group-2 ICONPATH= AUTHOR=Administrator [S_GROUP_END] [S_GROUP_END] </pre>	 <p>The diagram shows a tree structure where a 'Scenario View' folder (represented by a blue folder icon) contains two sub-items: 'Group1' and 'Scenario1', each also represented by a blue folder icon. Dotted lines indicate the hierarchical relationship.</p>	 <p>The diagram shows a tree structure where a 'Scenario View' folder (represented by a blue folder icon) contains five sub-items: 'Group1', 'Scenario1', 'Top-level group', 'Group2', and 'Scenario2', each represented by a blue folder icon. Dotted lines indicate the hierarchical relationship. To the right of 'Top-level group', 'Group2', and 'Scenario2' are red arrows pointing left with the text '← Added'.</p>

7. Scenario definition file

Specify a scenario definition in the scenario definition file.

When creating a scenario definition file, note the following.

- The scenario definition file must be stored in an identical directory to the one where the scenario configuration definition file is located.
- Specify the character encoding and line feed codes in the file as described below.
 - Window manager: UTF-16 (without BOM), and CR+LF for the line feed code
 - UNIX manager (HP-UX(IPF) and Linux): UTF-8 (without BOM), and LF for the line feed code
- Indents are added using the tab character in the file description examples in this chapter to improve readability, however deleting indents does not cause any problems. To add an indent, the tab character and one-byte spaces can be used.

However, indents using tab characters are required to specify the relationships between components in the component section.

- The file consists of the header part, scenario overview definition part, scenario start information definition part, component definition part, local object information, and global object information. In the header part, specify data such as the product name and function name (Scenario). In the scenario start information definition part, component definition part, local object information, and global object information, specify definitions in section units.
- For items where [Required] is described in the description of the "Value", the Key=Value line must be described when creating the scenario definition file. For items where no [Required] is described, they can be omitted; however, a whole line including the item must be omitted (Value only cannot be omitted when Key only is described).
- For the comment, "#" or "/" must be added at the beginning of a line.
- Single-byte or double-byte spaces and tabs at the beginning and at the end of Value are removed.
- The "&", "%", "\$", and "!" characters cannot be used in the component or condition name.
- The component name must be unique in a scenario definition. (The component name must be unique across scenario and component names.)
- The condition name must be unique in components to which the condition applies.
- Specify a component or condition name by using up to 64 characters.
- When the import command is executed, it is not checked whether regular expressions are correct.

Example of description

```
FILE:MCOperations
DESCRIPTION:Scenario-definition
FUNCTION:Scenario
VERSION:4.0
OPERATOR:Administrator
```

Header part

```
[ITEM2]
  WORKFLOWNAME=Flow_Scenario001
  ICONPATH=
  AUTHOR=Administrator
  TYPE=FLOW
  EXPLANATION=
[ITEM2_END]
```

Scenario overview
definition part

```
[Workflow]
  FlowType = 0
  SeverityFilter = 0
  ServiceID = 75
```

Scenario starting
information definition part

```
[1: Action example]
  P_COMMAND = echo
  PluginID = 1
  WorkflowName = Flow_Scenario001
  P_HOST = $MANAGER$
  P_DIRECTORY = c:\
  P_OPTION = %&go_test%
```

Component
definition part

```
[1051:]
  PluginID = 1051
```

```
[201:]
  PluginID = 201
```

```
[LocalObject]
  LineSeparator=<WORKFLOW_\r\n>
```

Local object definition part

```
[lo_test]
  LocalObjectAttribute=1
  LocalObjectInitialValue=0
  LocalObjectExplain=Sample
```

```
[lo_test_<character-string>]
  LocalObjectAttribute=0
  LocalObjectInitialValue=Initial-value
  LocalObjectExplain=Sample
```

[GlobalObject]

Global object definition part

[go_test]

GlobalObjectAttribute=1

GlobalObjectInitialValue=0

GlobalObjectExplain=GO-sample

7.1 Header part

The character strings in the header part are described as below:

FILE:MCOperations	... Product name (fixed) [Required]
DESCRIPTION:Definition-of-the- scenario ... Definition (arbitrary character string consisting of up to 64 characters, Japanese supported) [Required]	
FUNCTION:Scenario	... Function name (fixed) [Required]
VERSION:4.0	... File version (fixed) [Required]
OPERATOR:Administrator	... User name (arbitrary character string consisting of up to 64 characters, Japanese supported) [Required]

* The restriction on the number of characters does not include the number of characters in the key (<Key name>:).

7.2 Scenario overview definition part

7.2.1 Scenario overview definition

Define scenario overview definition information between [ITEM2] and [ITEM2_END].

Specify this section immediately after the header part.

This section can be specified only once.

Key	Value
WORKFLOWNAME	<p>Scenario name</p> <p>Describe the scenario name by using up to 64 characters. [Required]</p> <p>The specified character string can contain Japanese characters.</p> <p>Use characters other than "&", "%", "\$", and "!".</p> <p>A group name consisting only of periods (.) cannot be specified.</p> <p>Example: ".", ".."</p>
ICONPATH	<p>Icon file name to be used</p> <p>Describe an absolute path that is used as a scenario icon by using up to 256 characters. [Required]</p> <p>You must specify this key (ICONPATH=) even if you do not specify the icon file.</p> <p>The specified character string can contain Japanese characters.</p>
AUTHOR	<p>Author</p> <p>Describe the name of the author who created the scenario by using up to 64 characters. [Required]</p> <p>Author name displayed on the scenario property tab in the scenario control view.</p> <p>The setting is ignored during command-based importing as this key is always Administrator.</p>
TYPE	<p>Scenario type</p> <p>Specify the type of scenario. [Required]</p> <p>FLOW: Scenario that uses a business date</p> <p>NONFLOW: Scenario that does not use a business date</p>
EXPLANATION	<p>Description</p> <p>Specify the scenario description by using up to 256 characters.</p> <p>Description displayed on the scenario property tab in the scenario control view.</p> <p>The specified character string can contain Japanese characters.</p>
CALENDARFILE	<p>Calendar definition file</p> <p>Specify the calendar definition file name (with the extension) of the calendar used in the scenario.</p> <p>Describe an absolute path of the calendar definition file by using up to 256 characters.</p> <p>The specified character string can contain Japanese characters.</p> <p>This key cannot be specified in a scenario that does not use a business date.</p> <p>When the calendar definition file name is sample.txt: CALENDARFILE=sample.txt</p>

7.3 Defining a scenario that does not use a business date

What can be defined in the scenario start information definition part and in the component definition part differs depending on the scenario type.

This chapter describes the definition of a scenario that does not use a business date.

7.3.1 Scenario starting information definition

Define the scenario start definition (START component) information in the [Workflow] section.

Specify this section immediately after the scenario overview definition part.
 This section can be specified only once.

Key	Value
FlowType	Scenario type Specify the type of scenario. [Required] 0: Scenario that uses a business date This must match the type specified for "TYPE" in the scenario overview definition part.
ServiceID	Service ID Specifies the service ID. [Required] Specify "75" (fixed).
TRIGGER_ID	Entry trigger Specify the entry trigger. 0: Manually entered *Default 1: (Not used.) 2: Time-trigger 3: Message-trigger
P_MONITOR_START_TIME	Start time monitoring setting Specify whether to monitor the start time. 0: Do not monitor the start time. 1: Monitor the start time. *Default
P_MONITOR_END_TIME	End time monitoring setting Specify whether to monitor the end time. 0: Do not monitor the end time. 1: Monitor the end time. *Default
P_LIMIT_INSTANCE_COUNT	Restriction of the number of instances that can be executed in parallel Specify the number of instances that can be executed in parallel in the range from 1 to 65536. If this key is omitted, the number of instances is unlimited.

Specify the following keys for each entry trigger.

Manual entry

Specify the following keys when TRIGGER_ID=0.

Key	Value
P_ENABLED_SCHEDULE_MANUAL	Specification of validity period Specify whether to enable the specification of a validity period for manual entry. 0: Do not enable *Default 1: Enable When you enable this setting, you must specify SCHEDULE_FILE.

Key	Value
SCHEDULE_FILE	<p>Schedule definition file</p> <p>Specify the schedule definition file name (with the extension) of the schedule used in the scenario.</p> <p>Describe an absolute path of the schedule definition file by using up to 256 characters.</p> <p>The specified character string can contain Japanese characters.</p> <p>Specify "period schedule" as the used schedule definition mode.</p> <p>When the schedule definition file name is sample.txt: SCHEDULE_FILE=sample.txt</p>

Time trigger

Specify the following keys when TRIGGER_ID=2.

If the scenario is time-triggered, you must specify SCHEDULE_FILE.

Key	Value
SCHEDULE_FILE	<p>Schedule definition file</p> <p>Specify the schedule definition file name (with the extension) of the schedule used in the scenario.</p> <p>Describe an absolute path of the schedule definition file by using up to 256 characters.</p> <p>The specified character string can contain Japanese characters.</p> <p>Specify "time schedule" as the used schedule definition mode.</p> <p>When the schedule definition file name is sample.txt: SCHEDULE_FILE=sample.txt</p>

Message trigger

Specify the following keys when TRIGGER_ID=3.

Key	Value
P_ENABLED_SCHEDULE_MESSAGE	<p>Specification of validity period</p> <p>Specify whether to enable the specification of a validity period for a message trigger.</p> <p>0: Do not enable *Default</p> <p>1: Enable</p> <p>When you enable this setting, you must specify SCHEDULE_FILE.</p>
SCHEDULE_FILE	<p>Schedule definition file</p> <p>Specify the schedule definition file name (with the extension) of the schedule used in the scenario.</p> <p>Describe an absolute path of the schedule definition file by using up to 256 characters.</p> <p>The specified character string can contain Japanese characters.</p> <p>Specify "period schedule" as the used schedule definition mode.</p> <p>When the schedule definition file name is sample.txt: SCHEDULE_FILE=sample.txt</p>
[Message filter key]	<p>Specify the message filter to wait for messages.</p> <p>For details of the message filter keys, see "Message filter".</p>

7.3.2 Component definition

Define the components in the scenario that does not use a business date.

Specify component definitions in the section specified according to the [<Plug-in ID>:<Component name>] rule.

7.3.2.1 Action component

Specify the action component definition in the [1:<Component name>] section.

Key	Value
PluginID	<p>Plug-in ID</p> <p>Specify the plug-in ID of the component. [Required]</p> <p>Specify "1" (fixed).</p>
WorkflowName	<p>Scenario name</p> <p>Specify the scenario name by using up to 64 characters. [Required]</p> <p>This must match the scenario name specified for "WORKFLOWNAME" in the scenario overview definition part.</p> <p>The specified character string can contain Japanese characters.</p>
P_HOST	<p>Command execution host</p> <p>Specify the command execution host name by using up to 256 characters. [Required]</p> <p>When the manager is specified for the destination to which the command is sent, specify \$MANAGER\$.</p> <p>The specified character string can contain Japanese characters.</p> <p>A property reference can be used.*1</p>
P_COMMAND	<p>Command to be executed</p> <p>Describe the command to be executed by using up to 260 characters. [Required]</p> <p>If a space is included in the path, enclose it in the double quotation marks ("").</p> <p>The specified character string can contain Japanese characters.</p> <p>A property reference can be used.*1</p>
P_DIRECTORY	<p>Work directory</p> <p>Specify the working directory for executing the command by using up to 260 characters.</p> <p>If a space is included in the path, do not enclose it in the double quotation marks ("").</p> <p>The specified character string can contain Japanese characters.</p> <p>A property reference can be used.*1</p>
P_OPTION	<p>Option</p> <p>Specify the parameters for executing the command by using up to 1024 characters.</p> <p>The specified character string can contain Japanese characters.</p> <p>A property reference can be used.*1</p>
P_NORMAL_CODE	<p>Normal end code</p> <p>Specify the range of values that are assumed as a normal end of the command execution result (return value).</p> <p>Specify the value by using one-byte numbers (-2147483648 to 2147483647).</p> <p>To specify multiple values, separate each numerical value with a one-byte comma.</p> <p>To specify a range, concatenate the first numerical value and the last numerical value of the range with a one-byte hyphen.</p> <p>Up to 64 characters can be specified.</p> <p>Example:</p> <p>P_NORMAL_CODE = -1,2,5,10,90-99</p>

Key	Value
P_WARNING_CODE	<p>Warning end code</p> <p>Specify the range of values that are assumed as a warning end of the command execution result (return value).</p> <p>Specify the value by using one-byte numbers (-2147483648 to 2147483647).</p> <p>To specify multiple values, separate each numerical value with a one-byte comma.</p> <p>To specify a range, concatenate the first numerical value and the last numerical value of the range with a one-byte hyphen.</p> <p>Up to 64 characters can be specified.</p> <p>Example: P_WARNING_CODE = -1,2,5,10,90-99</p>
P_ABNORMAL_CODE	<p>Abnormal end code</p> <p>Specify the range of values that are assumed as an abnormal end of the command execution result (return value).</p> <p>Specify the value by using one-byte numbers (-2147483648 to 2147483647).</p> <p>To specify multiple values, separate each numerical value with a one-byte comma.</p> <p>To specify a range, concatenate the first numerical value and the last numerical value of the range with a one-byte hyphen.</p> <p>Up to 64 characters can be specified.</p> <p>Example: P_ABNORMAL_CODE = -1,2,5,10,90-99</p>
P_WARNING_EXIT_CHECK	<p>Warning end definition</p> <p>Specify whether to regard the command execution result as termination with a warning.</p> <p>0: Do not regard the command execution result as termination with a warning.</p> <p>1: Regard the command execution result as termination with a warning.</p> <p>*Default</p>
P_ABNORMAL_EXIT_CHECK	<p>Abnormal end definition</p> <p>Specify whether to regard the command execution result as abnormal termination.</p> <p>0: Do not regard the command execution result as abnormal termination.</p> <p>1: Regard the command execution result as abnormal termination. *Default</p>
P_OPERATE_IN_ABNORMAL	<p>Specification of execution continuation at abnormal termination</p> <p>Specify the operation at abnormal termination.</p> <p>0: Stop the flow. *Default</p> <p>1: Continue execution.</p> <p>When continuing execution is specified, you must specify P_CONTINUE_CODE.</p>
P_CONTINUE_CODE	<p>End code to continue execution at abnormal termination</p> <p>Specify the end code to continue execution at abnormal termination in the range from -2147483648 to 2147483647.</p>
P_START_CHECK	<p>Start time monitoring setting</p> <p>Specify whether to monitor the start time.</p> <p>0: Do not monitor the start time. *Default</p> <p>1: Monitor the start time.</p> <p>If you specify monitoring, you must specify P_START_CHECK_KIND and P_START_CHECK_TIME.</p>

Key	Value
P_START_CHECK_KIND	Start time monitoring type Specify the start time monitoring type. 0: Direct specification 1: Relative specification from the start of flow
P_START_CHECK_TIME	Time and period specification of start time monitoring Specify the time and period of start time monitoring. Specify the HH:MM:SS format in the range from 00:00:00 to 23:59:59.
P_END_CHECK	End time monitoring setting Specify whether to monitor the end time. 0: Do not monitor the end time. *Default 1: Monitor the end time. If you specify monitoring, you must specify P_END_CHECK_KIND and P_END_CHECK_TIME.
P_END_CHECK_KIND	End time monitoring type Specify the end time monitoring type. 0: Direct specification 1: Relative specification from the start of flow 2: Specification using the expected execution time
P_END_CHECK_TIME	Time and period specification of end time monitoring Specify the time and period of end time monitoring. Specify the HH:MM:SS format in the range from 00:00:00 to 23:59:59.

*1. For details about how to specify the property reference, see "Property reference".

7.3.2.2 Condition branching component

Specify the condition branching component definition in the [2:<Component name>] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "2" (fixed).
WorkflowName	Scenario name Specify the scenario name by using up to 64 characters. [Required] This must match the scenario name specified for "WORKFLOWNAME" in the scenario overview definition part. The specified character string can contain Japanese characters.
P_REFERENCE	Value used for condition evaluation Specify the reference destination used as the condition in the property reference format by using up to 256 characters. Required (*1) The specified character string can contain Japanese characters.

Key	Value
BranchValue?	<p>Branch condition value</p> <p>Specify the branch condition value. [Required]</p> <ul style="list-style-type: none"> When the reference destination for condition evaluation is an integer type Specify the value by using one-byte numbers (-2147483648 to 2147483647). To specify multiple values, separate each numerical value with a one-byte comma. To specify a range, concatenate the first numerical value and the last numerical value of the range with a one-byte hyphen. Up to 64 characters can be specified. When the reference destination for condition evaluation is a string type Specify this item by using up to 64 characters. You can use regular expressions. The specified character string can contain Japanese characters. <p>Specify this key once for each branch. You must specify at least two branches. Specify a serial number beginning from 1 for "?." Always specify "other" for the last branch condition. "other" cannot be specified for the other conditions.</p> <p>Specify the [group] section once for each branch and specify the components placed in the branch in that section. (Indent the component section with tabs.) The items in the [group] section are linked with the branch condition values from the top.</p>

*1. For details about how to specify the property reference, see "Property reference".

Definition example

```
[2: Conditional branching 1]
    PluginID = 2
    P_REFERENCE = %&Global object 1%
    WorkflowName = Sample scenario
    BranchValue1 = 0
    BranchValue2 = 1
    BranchValue3 = other

    [group]

        [9: Event waiting 1]
            PluginID = 9
            WorkflowName = Sample-scenario
            P_EVENTNAME = Event-1

    [group]

        [9: Event waiting 2]
            PluginID = 9
            WorkflowName = Sample-scenario
            P_EVENTNAME = Event-2

    [group]

        [9: Event waiting 3]
            PluginID = 9
            WorkflowName = Sample-scenario
            P_EVENTNAME = Event-3
```

7.3.2.3 Parallel branching component

Specify the parallel branching component definition in the [3:<Component name>] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "3" (fixed).
P_EXIT_KIND	End code definition Specify which end code for each component placed in the branch is used as the end code of the parallel branching component. [Required] 0: Maximum value 1: Minimum value 2: Maximum value at the end 3: Minimum value at the end 4: End code of the preceding component

Like with the condition branching component, specify the [group] section once for each branch and specify the components placed in the branch in that section. (Indent the component section with tabs.)

7.3.2.4 Screen response component

Specify the screen response component definition in the [4:<Component name>] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "4" (fixed).
WorkflowName	Scenario name Specify the scenario name by using up to 64 characters. [Required] This must match the scenario name specified for "WORKFLOWNAME" in the scenario overview definition part. The specified character string can contain Japanese characters.
P_COMMENT	Comment Specify a comment displayed when the screen responds by using up to 256 characters. Specify <CR> as the line feed. The specified character string can contain Japanese characters. A property reference can be used.*1
P_SEL_RESULTTYPE	End code definition Specify the end code definition. 1: Direct specification 2: End code of the preceding component 3: Specify the definition at response. *Default If you specify direct specification, you must specify P_DIRECT_EXITCODE.
P_DIRECT_EXITCODE	End code Specify the end code for direct specification in the range from -2147483648 to 2147483647.
P_START_CHECK	Start time monitoring setting Specify whether to monitor the start time. 0: Do not monitor the start time. *Default 1: Monitor the start time. If you specify monitoring, you must specify P_START_CHECK_KIND and P_START_CHECK_TIME.
P_START_CHECK_KIND	Start time monitoring type Specify the start time monitoring type. 0: Direct specification 1: Relative specification from the start of flow
P_START_CHECK_TIME	Time and period specification of start time monitoring Specify the time and period of start time monitoring. Specify the HH:MM:SS format in the range from 00:00:00 to 23:59:59.
P_END_CHECK	End time monitoring setting Specify whether to monitor the end time. 0: Do not monitor the end time. *Default 1: Monitor the end time. If you specify monitoring, you must specify P_END_CHECK_KIND and P_END_CHECK_TIME.
P_END_CHECK_KIND	End time monitoring type Specify the end time monitoring type. 0: Direct specification 1: Relative specification from the start of flow 2: Specification using the expected execution time
P_END_CHECK_TIME	Time and period specification of end time monitoring Specify the time and period of end time monitoring. Specify the HH:MM:SS format in the range from 00:00:00 to 23:59:59.

*1. For details about how to specify the property reference, see "Property reference".

7.3.2.5 Time waiting component

Specify the time waiting component definition in the [5:<Component name>] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "5" (fixed).
P_SELECT	Time waiting type Specify the time waiting type. [Required] 1: Specified time 2: Waiting time If you specify the specified time, you must specify P_END. If you specify the waiting time, you must specify P_PLUS_PLUGIN_START.
P_END	Time specification for specified time Specify the time in the HH:MM:SS format in the range from 00:00:00 to 23:59:59.
P_PLUS_PLUGIN_START	Period specification for waiting time Specify the period in the HH:MM:SS format in the range from 00:00:00 to 23:59:59.
P_SEL_RESULT	End code definition Specify the end code definition. 1: Direct specification 2: End code of preceding component *Default If you specify direct specification, you must specify P_RESULT.
P_RESULT	End code Specify the end code for direct specification in the range from -2147483648 to 2147483647.
P_START_CHECK	Start time monitoring setting Specify whether to monitor the start time. 0: Do not monitor the start time. *Default 1: Monitor the start time. If you specify monitoring, you must specify P_START_CHECK_KIND and P_START_CHECK_TIME.
P_START_CHECK_KIND	Start time monitoring type Specify the start time monitoring type. 0: Direct specification 1: Relative specification from the start of flow
P_START_CHECK_TIME	Time and period specification of start time monitoring Specify the time and period of start time monitoring. Specify the HH:MM:SS format in the range from 00:00:00 to 23:59:59.

7.3.2.6 Message transmission component

Specify the message transmission component definition in the [6:<Component name>] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "6" (fixed).

Key	Value
WorkflowName	<p>Scenario name</p> <p>Specify the scenario name by using up to 64 characters. [Required]</p> <p>This must match the scenario name specified for "WORKFLOWNAME" in the scenario overview definition part.</p> <p>The specified character string can contain Japanese characters.</p>
P_CATEGORY	<p>Message category</p> <p>Specify the message category by using up to 256 characters.</p> <p>If you omit the key or if the value is blank, the message is sent with "Unified Management Framework."</p> <p>The specified character string can contain Japanese characters.</p> <p>A property reference can be used.*1</p>
P_SEVERITY	<p>Severity</p> <p>Specify the ID of severity.</p> <p>If you omit the key or if the value is blank, the message is sent with "Normal."</p> <p>For details about the severity ID, see "Appendix: Severity ID List".</p>
P_NODE	<p>Message node</p> <p>Specify the node of the message to be sent by using up to 256 characters.</p> <p>If you omit the key or if the value is blank, the message is sent with the manager node name.</p> <p>The specified character string can contain Japanese characters.</p> <p>A property reference can be used.*1</p>
P_APPLICATION	<p>Message application</p> <p>Describe the application that is used to send the message by using up to 256 characters.</p> <p>If you omit the key or if the value is blank, the message is sent with "Unified Management Framework."</p> <p>The specified character string can contain Japanese characters.</p> <p>A property reference can be used.*1</p>
P_OBJECT	<p>Message object</p> <p>Specify the object of the message to be sent by using up to 256 characters.</p> <p>If you omit the key or if the value is blank, the message is sent with "System."</p> <p>The specified character string can contain Japanese characters.</p> <p>A property reference can be used.*1</p>
P_MESSAGE_ID	<p>Message ID</p> <p>Describe the ID of the message by using up to 256 characters.</p> <p>If you omit the key or if the value is blank, the message is sent with "00000000."</p> <p>The specified character string can contain Japanese characters.</p> <p>A property reference can be used.*1</p>
P_MESSAGE_TEXT	<p>Message text</p> <p>Specify the message text by using up to 1024 characters.</p> <p>If you omit the key, the message is sent with a null character.</p> <p>Specify <CR> as the line feed.</p> <p>The specified character string can contain Japanese characters.</p> <p>A property reference can be used.*1</p>
P_EXIT_CODE_TYPE	<p>End code definition</p> <p>Specify the end code definition.</p> <p>0: Direct specification</p> <p>1: End code of preceding component *Default</p> <p>If you specify direct specification, you must specify P_EXIT_CODE_VALUE.</p>

Key	Value
P_EXIT_CODE_VALUE	End code Specify the end code for direct specification in the range from -2147483648 to 2147483647.
P_START_CHECK	Start time monitoring setting Specify whether to monitor the start time. 0: Do not monitor the start time. *Default 1: Monitor the start time. If you specify monitoring, you must specify P_START_CHECK_KIND and P_START_CHECK_TIME.
P_START_CHECK_KIND	Start time monitoring type Specify the start time monitoring type. 0: Direct specification 1: Relative specification from the start of flow
P_START_CHECK_TIME	Time and period specification of start time monitoring Specify the time and period of start time monitoring. Specify the HH:MM:SS format in the range from 00:00:00 to 23:59:59.

*1. For details about how to specify the property reference, see "Property reference".

7.3.2.7 Message waiting component

Specify the message waiting component definition in the [7:<Component name>] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "7" (fixed).
WorkflowName	Scenario name Specify the scenario name by using up to 64 characters. [Required] This must match the scenario name specified for "WORKFLOWNAME" in the scenario overview definition part. Note that a replacement character string can be specified for the value.
P_EXIT_CODE_TYPE	End code definition Specify the end code definition. 0: Direct specification 1: End code of preceding component *Default If you specify direct specification, you must specify P_EXIT_CODE_VALUE.
P_EXIT_CODE_VALUE	End code Specify the end code for direct specification in the range from -2147483648 to 2147483647.
P_START_CHECK	Start time monitoring setting Specify whether to monitor the start time. 0: Do not monitor the start time. *Default 1: Monitor the start time. If you specify monitoring, you must specify P_START_CHECK_KIND and P_START_CHECK_TIME.
P_START_CHECK_KIND	Start time monitoring type Specify the start time monitoring type. 0: Direct specification 1: Relative specification from the start of flow
P_START_CHECK_TIME	Time and period specification of start time monitoring Specify the time and period of start time monitoring. Specify the HH:MM:SS format in the range from 00:00:00 to 23:59:59.
P_END_CHECK	End time monitoring setting Specify whether to monitor the end time. 0: Do not monitor the end time. *Default 1: Monitor the end time. If you specify monitoring, you must specify P_END_CHECK_KIND and P_END_CHECK_TIME.
P_END_CHECK_KIND	End time monitoring type Specify the end time monitoring type. 0: Direct specification 1: Relative specification from the start of flow 2: Specification using the expected execution time
P_END_CHECK_TIME	Time and period specification of end time monitoring Specify the time and period of end time monitoring. Specify the HH:MM:SS format in the range from 00:00:00 to 23:59:59.
P_TIMEOUT	Timeout period Specify the timeout period (seconds) in the range from 0 to 86400. Timeouts do not occur if you specify 0. The default value is 0.

Key	Value
[Message filter key]	Specify the message filter to wait for messages. For details of the message filter keys, see "Message filter".

7.3.2.8 Event transmission component

Specify the event transmission component definition in the [8:<Component name>] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "8" (fixed).
WorkflowName	Scenario name Specify the scenario name by using up to 64 characters. [Required] This must match the scenario name specified for "WORKFLOWNAME" in the scenario overview definition part. The specified character string can contain Japanese characters.
P_EVENTNAME	Event name Describe the event name by using up to 64 characters. [Required] The specified character string can contain Japanese characters. A property reference can be used.*1
P_EVENT_SEND_UNIT	Event transmission unit Specify the event transmission unit. [Required] 0: Single 1: All
P_EXIT_CODE_TYPE	End code definition Specify the end code definition. 0: Direct specification 1: End code of preceding component *Default If you specify direct specification, you must specify P_EXIT_CODE_VALUE.
P_EXIT_CODE_VALUE	End code Specify the end code for direct specification in the range from -2147483648 to 2147483647.
P_OPERATE_IN_ABNORMAL	Operation when event transmission times out Specify the operation at timeout. 0: Stop *Default 1: Continue When continuing execution is specified, you must specify P_CONTINUE_CODE.
P_CONTINUE_CODE	End code to continue execution at timeout Specify the end code to continue execution at timeout in the range from -2147483648 to 2147483647.
P_START_CHECK	Start time monitoring setting Specify whether to monitor the start time. 0: Do not monitor the start time. *Default 1: Monitor the start time. If you specify monitoring, you must specify P_START_CHECK_KIND and P_START_CHECK_TIME.
P_START_CHECK_KIND	Start time monitoring type Specify the start time monitoring type. 0: Direct specification 1: Relative specification from the start of flow

Key	Value
P_START_CHECK_TIME	Time and period specification of start time monitoring Specify the time and period of start time monitoring. Specify the HH:MM:SS format in the range from 00:00:00 to 23:59:59.
P_END_CHECK	End time monitoring setting Specify whether to monitor the end time. 0: Do not monitor the end time. *Default 1: Monitor the end time. If you specify monitoring, you must specify P_END_CHECK_KIND and P_END_CHECK_TIME.
P_END_CHECK_KIND	End time monitoring type Specify the end time monitoring type. 0: Direct specification 1: Relative specification from the start of flow 2: Specification using the expected execution time
P_END_CHECK_TIME	Time and period specification of end time monitoring Specify the time and period of end time monitoring. Specify the HH:MM:SS format in the range from 00:00:00 to 23:59:59.
P_RECEIVE_CHECK	Event reception check Specify whether to check event reception. 0: Do not check reception. *Default 1: Check reception. If you check reception, you must specify P_TIMEOUT.
P_TIMEOUT	Timeout time at reception check Specify the timeout period (seconds) for a reception check in the range from 0 to 86400. Event reception is waited for infinitely if you specify 0.

*1. For details about how to specify the property reference, see "Property reference".

7.3.2.9 Event waiting component

Specify the event waiting component definition in the [9:<Component name>] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "9" (fixed).
WorkflowName	Scenario name Specify the scenario name by using up to 64 characters. [Required] This must match the scenario name specified for "WORKFLOWNAME" in the scenario overview definition part. The specified character string can contain Japanese characters.
P_EVENTNAME	Event name Describe the event name by using up to 64 characters. [Required] The specified character string can contain Japanese characters. A property reference can be used.*1
P_EXIT_CODE_TYPE	End code definition Specify the end code definition. 0: Direct specification 1: End code of preceding component *Default If you specify direct specification, you must specify P_EXIT_CODE_VALUE.

Key	Value
P_EXIT_CODE_VALUE	End code Specify the end code for direct specification in the range from -2147483648 to 2147483647.
P_START_CHECK	Start time monitoring setting Specify whether to monitor the start time. 0: Do not monitor the start time. *Default 1: Monitor the start time. If you specify monitoring, you must specify P_START_CHECK_KIND and P_START_CHECK_TIME.
P_START_CHECK_KIND	Start time monitoring type Specify the start time monitoring type. 0: Direct specification 1: Relative specification from the start of flow
P_START_CHECK_TIME	Time and period specification of start time monitoring Specify the time and period of start time monitoring. Specify the HH:MM:SS format in the range from 00:00:00 to 23:59:59.
P_END_CHECK	End time monitoring setting Specify whether to monitor the end time. 0: Do not monitor the end time. *Default 1: Monitor the end time. If you specify monitoring, you must specify P_END_CHECK_KIND and P_END_CHECK_TIME.
P_END_CHECK_KIND	End time monitoring type Specify the end time monitoring type. 0: Direct specification 1: Relative specification from the start of flow 2: Specification using the expected execution time
P_END_CHECK_TIME	Time and period specification of end time monitoring Specify the time and period of end time monitoring. Specify the HH:MM:SS format in the range from 00:00:00 to 23:59:59.
P_TIMEOUT	Timeout period Specify the timeout period (seconds) in the range from 0 to 86400. Timeouts do not occur if you specify 0. The default value is "0".

*1. For details about how to specify the property reference, see "Property reference".

7.3.2.10 Global object component

Specify the global object update component definition in the [10:<Component name>] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "10" (fixed).
WorkflowName	Scenario name Specify the scenario name by using up to 64 characters. [Required] This must match the scenario name specified for "WORKFLOWNAME" in the scenario overview definition part. The specified character string can contain Japanese characters.

Key	Value
P_GLOBALOBJECT	Global object name Specify the global object name by using up to 64 characters. [Required] The "&", "%", "\$", and "!", characters cannot be used in the global object name. The specified character string can contain Japanese characters.
P_SEL_VALUE	Update type Specify the update type. [Required] 1: Specified value 2: Incrementing 3: Decrementing If you specify incrementing or decrementing, you must specify an integer type global object. If you specify the specified value, you must specify P_DIRECT_VALUE.
P_DIRECT_VALUE	Update value Specify the update value when selecting the specified value for the update type. Specify the value in the range from -2147483648 to 2147483647 for an integer type global object. Specify the character string type global object name by using up to 1024 characters. The specified character string can contain Japanese characters. A property reference can be used.*1 A string type property cannot be specified for an integer type.global object.
P_SEL_RESULT	End code definition Specify the end code definition. 1: Direct specification 2: End code of preceding component *Default If you specify direct specification, you must specify P_RESULT.
P_RESULT	End code Specify the end code for direct specification in the range from -2147483648 to 2147483647.
P_START_CHECK	Start time monitoring setting Specify whether to monitor the start time. 0: Do not monitor the start time. *Default 1: Monitor the start time. If you specify monitoring, you must specify P_START_CHECK_KIND and P_START_CHECK_TIME.
P_START_CHECK_KIND	Start time monitoring type Specify the start time monitoring type. 0: Direct specification 1: Relative specification from the start of flow
P_START_CHECK_TIME	Time and period specification of start time monitoring Specify the time and period of start time monitoring. Specify the HH:MM:SS format in the range from 00:00:00 to 23:59:59.

*1. For details about how to specify the property reference, see "Property reference".

7.3.2.11 Local object component

Specify the local object component definition in the [11:<Component name>] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "11" (fixed).

Key	Value
WorkflowName	<p>Scenario name</p> <p>Specify the scenario name by using up to 64 characters. [Required]</p> <p>This must match the scenario name specified for "WORKFLOWNAME" in the scenario overview definition part.</p> <p>The specified character string can contain Japanese characters.</p>
P_LOCALOBJECT	<p>Local object name</p> <p>Specify the name of the local object to be updated by using up to 64 characters. [Required]</p> <p>The "&", "%", "\$", "!", and "=" characters cannot be used in the local object name.</p> <p>The specified character string can contain Japanese characters.</p>
P_SEL_VALUE	<p>Update type</p> <p>Specify the task name. [Required]</p> <p>1: Specified value 2: Incrementing 3: Decrementing 4: File</p> <p>If you specify incrementing or decrementing, you must specify the local object of the integer type.</p> <p>If you specify the file, you must specify P_FILE_PATH and P_CHARACTER_CODE.</p> <p>If you specify the specified value, you must specify P_DIRECT_VALUE.</p>
P_DIRECT_VALUE	<p>Update value</p> <p>Specify the update value when selecting the specified value for the update type.</p> <p>Specify a value within the range from -2147483648 to 2147483647 for the integer type local object name.</p> <p>Specify a value by using up to 65535 characters for the character string type local object name.</p> <p>Specify <CR> as the line feed.</p> <p>The specified character string can contain Japanese characters.</p> <p>A property reference can be used.*1</p> <p>A string type property cannot be specified for an integer type.local object.</p>
P_FILE_PATH	<p>File</p> <p>If you select a file as the update type, specify the absolute path of the file that contains the local object value using up to 1024 characters.</p> <p>The specified character string can contain Japanese characters.</p> <p>* Loading components fails if the maximum length of the file path that can be used in the OS is exceeded.</p> <p>A property reference can be used.*1</p>
P_CHARACTER_CODE	<p>Character encoding</p> <p>Specify the character encoding scheme for the file specified by P_FILE_PATH.</p> <p>0: UTF16 *Default 1: UTF8 2: SJIS</p>
P_SEL_RESULT	<p>End code definition</p> <p>Specify the end code definition.</p> <p>1: Direct specification 2: End code of preceding component *Default</p> <p>If you specify direct specification, you must specify P_RESULT.</p>

Key	Value
P_RESULT	End code Specify the end code for direct specification in the range from -2147483648 to 2147483647.
P_OPERATE_IN_ABNORMAL	Specification of execution continuation at abnormal termination Specify the operation at abnormal termination. 0: Stop the flow *Default 1: Continue the flow When continuing execution is specified, you must specify P_CONTINUE_CODE.
P_CONTINUE_CODE	End code to continue execution at abnormal termination Specify the end code to continue execution at abnormal termination in the range from -2147483648 to 2147483647.
P_START_CHECK	Start time monitoring setting Specify whether to monitor the start time. 0: Do not monitor the start time. *Default 1: Monitor the start time. If you specify monitoring, you must specify P_START_CHECK_KIND and P_START_CHECK_TIME.
P_START_CHECK_KIND	Start time monitoring type Specify the start time monitoring type. 0: Direct specification 1: Relative specification from the start of flow
P_START_CHECK_TIME	Time and period specification of start time monitoring Specify the time and period of start time monitoring. Specify the HH:MM:SS format in the range from 00:00:00 to 23:59:59.

*1. For details about how to specify the property reference, see "Property reference".

7.3.2.12 SSC linkage component

Specify the SSC linkage component definition in the [1001:<Component name>] section.

* This is only available if the SSC linkage option license has been acquired.

An error occurs in this section during import if there is no license.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "1001" (fixed).
WorkflowName	Scenario name Specify the scenario name by using up to 64 characters. [Required] This must match the scenario name specified for "WORKFLOWNAME" in the scenario overview definition part. The specified character string can contain Japanese characters.
P_HOST	Command execution host Specify the command execution host name by using up to 256 characters. [Required] You can specify multiple entries by separating them with commas. The specified character string can contain Japanese characters. A property reference can be used.*1

Key	Value
P_COMMAND	<p>Command to be executed</p> <p>Describe the command to be executed by using up to 260 characters.</p> <p>[Required]</p> <p>If a space is included in the path, enclose it in the double quotation marks ("").</p> <p>The specified character string can contain Japanese characters.</p> <p>A property reference can be used.*1</p>
P_DIRECTORY	<p>Work directory</p> <p>Specify the working directory for executing the command by using up to 260 characters.</p> <p>If a space is included in the path, do not enclose it in the double quotation marks ("").</p> <p>The specified character string can contain Japanese characters.</p> <p>A property reference can be used.*1</p>
P_OPTION	<p>Option</p> <p>Specify the parameters for executing the command by using up to 1024 characters.</p> <p>The specified character string can contain Japanese characters.</p> <p>A property reference can be used.*1</p>
P_EXIT_CODE_TYPE	<p>End code definition</p> <p>Specify the end code definition.</p> <p>0: Maximum value *Default</p> <p>1: Minimum value</p> <p>2: Direct specification</p> <p>3: End code of the preceding component</p> <p>If you specify direct specification, you must specify P_EXIT_CODE_VALUE.</p>
P_EXIT_CODE_VALUE	<p>End code</p> <p>Specify the end code for direct specification in the range from -2147483648 to 2147483647.</p>
P_NORMAL_CODE	<p>Normal end code</p> <p>Specify the range of values that are assumed as a normal end of the command execution result (return value).</p> <p>Specify the value by using one-byte numbers (-2147483648 to 2147483647).</p> <p>To specify multiple values, separate each numerical value with a one-byte comma.</p> <p>To specify a range, concatenate the first numerical value and the last numerical value of the range with a one-byte hyphen.</p> <p>Up to 64 characters can be specified.</p> <p>Example:</p> <p>P_NORMAL_CODE = -1,2,5,10,90-99</p>
P_WARNING_CODE	<p>Warning end code</p> <p>Specify the range of values that are assumed as a warning end of the command execution result (return value).</p> <p>Specify the value by using one-byte numbers (-2147483648 to 2147483647).</p> <p>To specify multiple values, separate each numerical value with a one-byte comma.</p> <p>To specify a range, concatenate the first numerical value and the last numerical value of the range with a one-byte hyphen.</p> <p>Up to 64 characters can be specified.</p> <p>Example:</p> <p>P_WARNING_CODE = -1,2,5,10,90-99</p>

Key	Value
P_ABNORMAL_CODE	<p>Abnormal end code</p> <p>Specify the range of values that are assumed as an abnormal end of the command execution result (return value).</p> <p>Specify the value by using one-byte numbers (-2147483648 to 2147483647).</p> <p>To specify multiple values, separate each numerical value with a one-byte comma.</p> <p>To specify a range, concatenate the first numerical value and the last numerical value of the range with a one-byte hyphen.</p> <p>Up to 64 characters can be specified.</p> <p>Example: P_ABNORMAL_CODE = -1,2,5,10,90-99</p>
P_WARNING_EXIT_CHECK	<p>Warning end definition</p> <p>Specify whether to regard the command execution result as termination with a warning.</p> <p>0: Do not regard the command execution result as abnormal termination.</p> <p>1: Regard the command execution result as abnormal termination. *Default</p>
P_ABNORMAL_EXIT_CHECK	<p>Abnormal end definition</p> <p>Specify whether to regard the command execution result as abnormal termination.</p> <p>0: Do not regard the command execution result as abnormal termination.</p> <p>1: Regard the command execution result as abnormal termination. *Default</p>
P_OPERATE_IN_ABNORMAL	<p>Specification of execution continuation at abnormal termination</p> <p>Specify the operation at abnormal termination.</p> <p>0: Stop the flow *Default</p> <p>1: Continue the flow</p> <p>When continuing execution is specified, you must specify P_CONTINUE_CODE.</p>
P_CONTINUE_CODE	<p>End code to continue execution at abnormal termination</p> <p>Specify the end code to continue execution at abnormal termination in the range from -2147483648 to 2147483647.</p>
P_START_CHECK	<p>Start time monitoring setting</p> <p>Specify whether to monitor the start time.</p> <p>0: Do not monitor the start time. *Default</p> <p>1: Monitor the start time.</p> <p>If you specify monitoring, you must specify P_START_CHECK_KIND and P_START_CHECK_TIME.</p>
P_START_CHECK_KIND	<p>Start time monitoring type</p> <p>Specify the start time monitoring type.</p> <p>0: Direct specification</p> <p>1: Relative specification from the start of flow</p>
P_START_CHECK_TIME	<p>Time and period specification of start time monitoring</p> <p>Specify the time and period of start time monitoring.</p> <p>Specify the HH:MM:SS format in the range from 00:00:00 to 23:59:59.</p>
P_END_CHECK	<p>End time monitoring setting</p> <p>Specify whether to monitor the end time.</p> <p>0: Do not monitor the end time. *Default</p> <p>1: Monitor the end time.</p> <p>If you specify monitoring, you must specify P_END_CHECK_KIND and P_END_CHECK_TIME.</p>

Key	Value
P_END_CHECK_KIND	End time monitoring type Specify the end time monitoring type. 0: Direct specification 1: Relative specification from the start of flow 2: Specification using the expected execution time
P_END_CHECK_TIME	Time and period specification of end time monitoring Specify the time and period of end time monitoring. Specify the HH:MM:SS format in the range from 00:00:00 to 23:59:59.

*1. For details about how to specify the property reference, see "Property reference".

7.3.2.13 Scenario execution component

Specify the scenario execution component definition in the [1003:<Component name>] section.

Key	Value
PluginID	<p>Plug-in ID</p> <p>Specify the plug-in ID of the component. [Required]</p> <p>Specify "1003" (fixed).</p>
WorkflowName	<p>Scenario name</p> <p>Specify the scenario name by using up to 64 characters. [Required]</p> <p>This must match the scenario name specified for "WORKFLOWNAME" in the scenario overview definition part.</p> <p>The specified character string can contain Japanese characters.</p>
P_MANAGER	<p>Execution manager name</p> <p>Specify the name of the manager that includes the scenario to be executed by using up to 64 characters. [Required]</p> <p>When the manager is specified for the destination to which the command is sent, specify \$MANAGER\$.</p> <p>A property reference can be used.*2</p>
P_FLOW_NAME	<p>Execution scenario name</p> <p>Specify an absolute or relative path of the scenario to be executed by using up to 1024 characters. Required (*1)</p> <p>The "&", "\$", and "!" characters cannot be used in the scenario name.</p> <p>The specified character string can contain Japanese characters.</p> <p>A property reference can be used.*2</p>
P_COMMENT	<p>Comment</p> <p>Specify a comment about the execution destination scenario by using up to 256 characters.</p> <p>The specified character string can contain Japanese characters.</p> <p>A property reference can be used.*2</p>
P_LO_COUNT	<p>Number of local objects</p> <p>Specify the number of local objects in the execution destination scenario whose values are specified at execution in the range from 0 to 1000.</p> <p>The default value is 0.</p> <p>You must specify P_LO_KEY_XXX and P_LO_VALUE_XXX once for each entry.</p>
P_LO_KEY_XXX	<p>Local object variable names</p> <p>Specify the names of the local object variables in the execution destination scenario whose values are specified at execution by using up to 64 characters.</p> <p>Define P_LO_KEY_XXX as many times as the number specified by P_LO_COUNT.</p> <p>Specify a serial number beginning with 000 for XXX in the range from 000 to 999.</p> <p>The "&", "%", "\$", "!", and "=" characters cannot be used in the variable name.</p> <p>Duplicate variable names cannot be specified.</p> <p>The specified character string can contain Japanese characters.</p> <p>A property reference can be used.*2</p>

Key	Value
P_LO_VALUE_XXX	Local object specification value Specify the value specified for the local object in the execution destination scenario during execution by using up to 65535 characters. Specify P_LO_VALUE_XXX as many times as the number specified by P_LO_COUNT. Specify a serial number beginning with 000 for XXX in the range from 000 to 999. The specified character string can contain Japanese characters. A property reference can be used.*2
P_OPERATE_IN_ABNORMAL	Specification of execution continuation at abnormal termination Specify the operation at abnormal termination. 0: Stop the flow *Default 1: Continue the flow When continuing execution is specified, you must specify P_CONTINUE_CODE.
P_CONTINUE_CODE	End code to continue execution at abnormal termination Specify the end code to continue execution at abnormal termination in the range from -2147483648 to 2147483647.
P_START_CHECK	Start time monitoring setting Specify whether to monitor the start time. 0: Do not monitor the start time. *Default 1: Monitor the start time. If you specify monitoring, you must specify P_START_CHECK_KIND and P_START_CHECK_TIME.
P_START_CHECK_KIND	Start time monitoring type Specify the start time monitoring type. 0: Direct specification 1: Relative specification from the start of flow
P_START_CHECK_TIME	Time and period specification of start time monitoring Specify the time and period of start time monitoring. Specify the HH:MM:SS format in the range from 00:00:00 to 23:59:59.
P_END_CHECK	End time monitoring setting Specify whether to monitor the end time. 0: Do not monitor the end time. *Default 1: Monitor the end time. If you specify monitoring, you must specify P_END_CHECK_KIND and P_END_CHECK_TIME.
P_END_CHECK_KIND	End time monitoring type Specify the end time monitoring type. 0: Direct specification 1: Relative specification from the start of flow 2: Specification using the expected execution time
P_END_CHECK_TIME	Time and period specification of end time monitoring Specify the time and period of end time monitoring. Specify the HH:MM:SS format in the range from 00:00:00 to 23:59:59.

*1. For how to specify the path, refer to the following section in the help.

[Using Scenario Control]-[Defining Scenarios]-[Scenario Control Components]-[Scenario Execution]

*2. For details about how to specify the property reference, see "Property reference".

7.3.3 Condition definition

Define the conditions for the scenario that does not use a business date.

Specify the condition definition in the section specified according to the [<Plug-in ID>:<Condition name>] rule. Specify it under the component for which the condition is set. (Indent the condition section with tabs.)

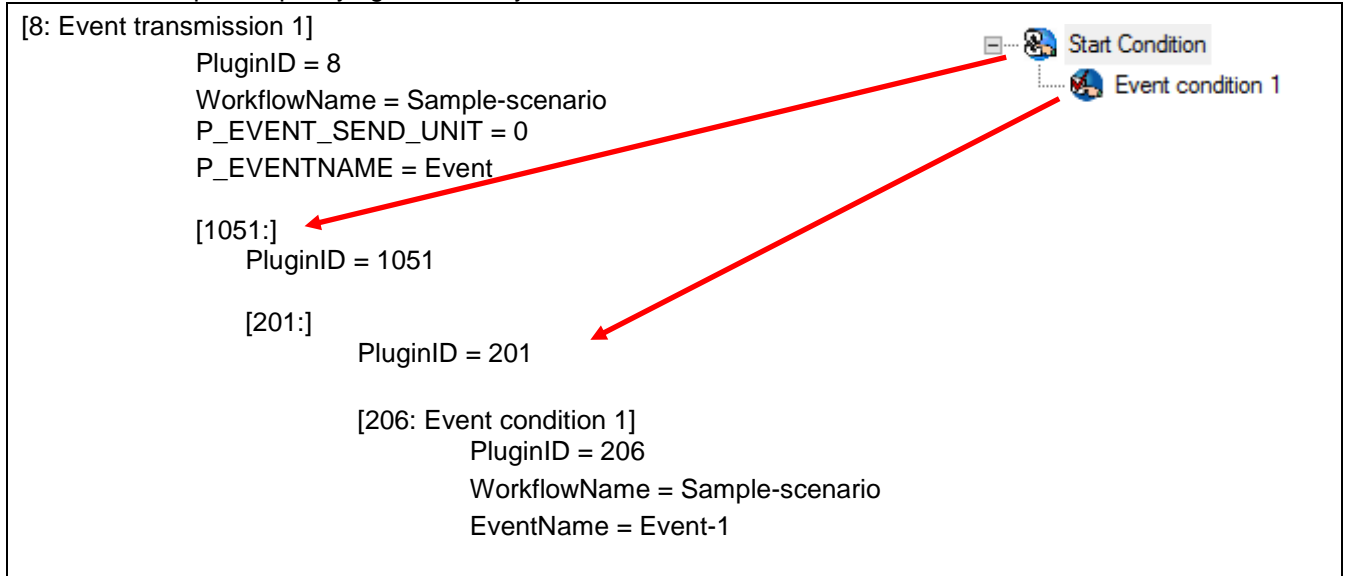
However, specify the conditions for the START component immediately after the [Workflow] section without indent.

Cautions

- You can only specify the component start condition in a scenario that does not use a business date.
- Place one condition management unit under the component.
- You can specify only one route condition corresponding to the start condition under condition management.
- The sections under the component can be omitted when conditions are not used.
- Conditions cannot be placed under conditions (message condition, event condition, time condition, or global object condition). Be sure to place conditions under the route condition, AND condition, or OR condition.
- Conditions cannot be set for the following components.
 - Condition or parallel branching component
 - Screen response component
 - Time waiting component
 - Message waiting component
 - [9: Event waiting 1]

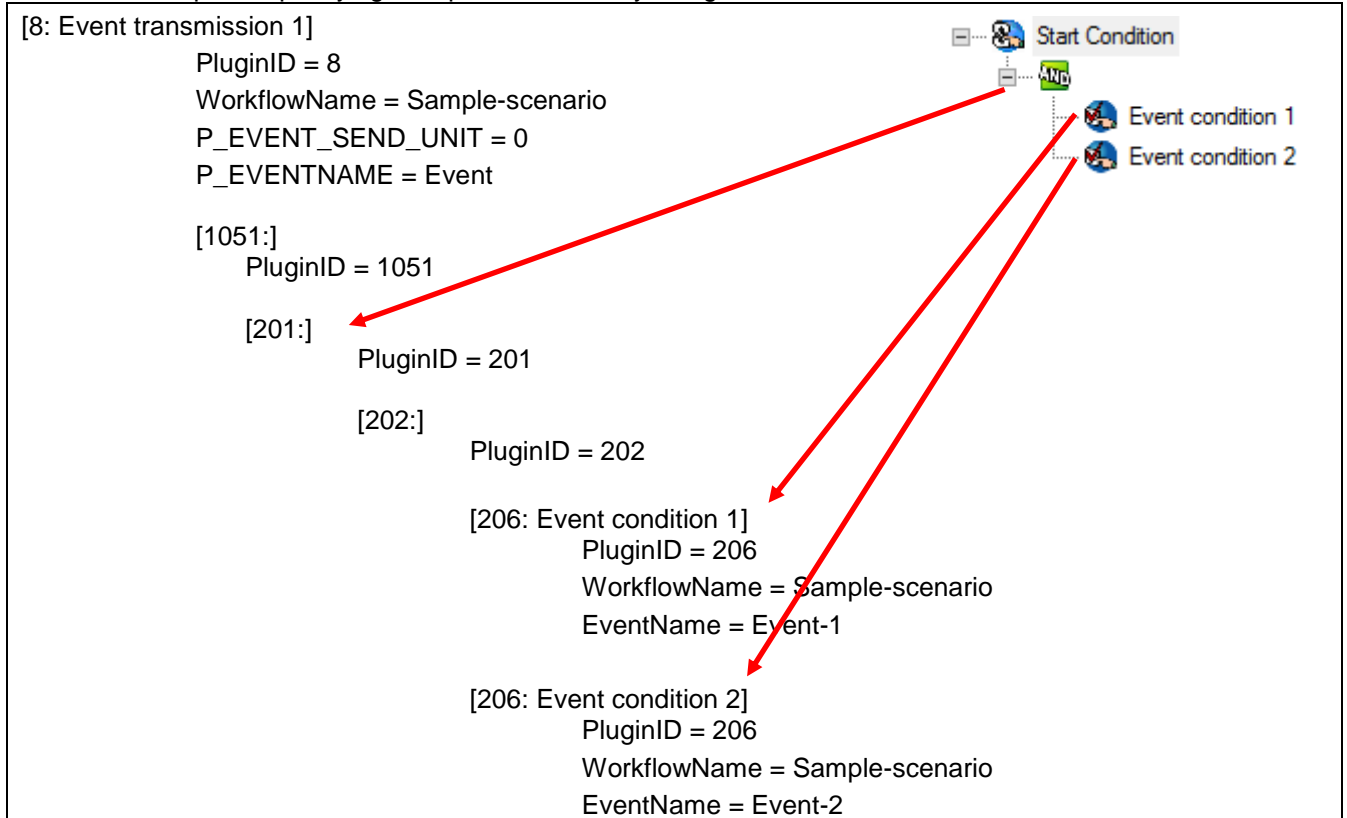
Definition example 1

This is an example of specifying an arbitrary condition as the start condition.



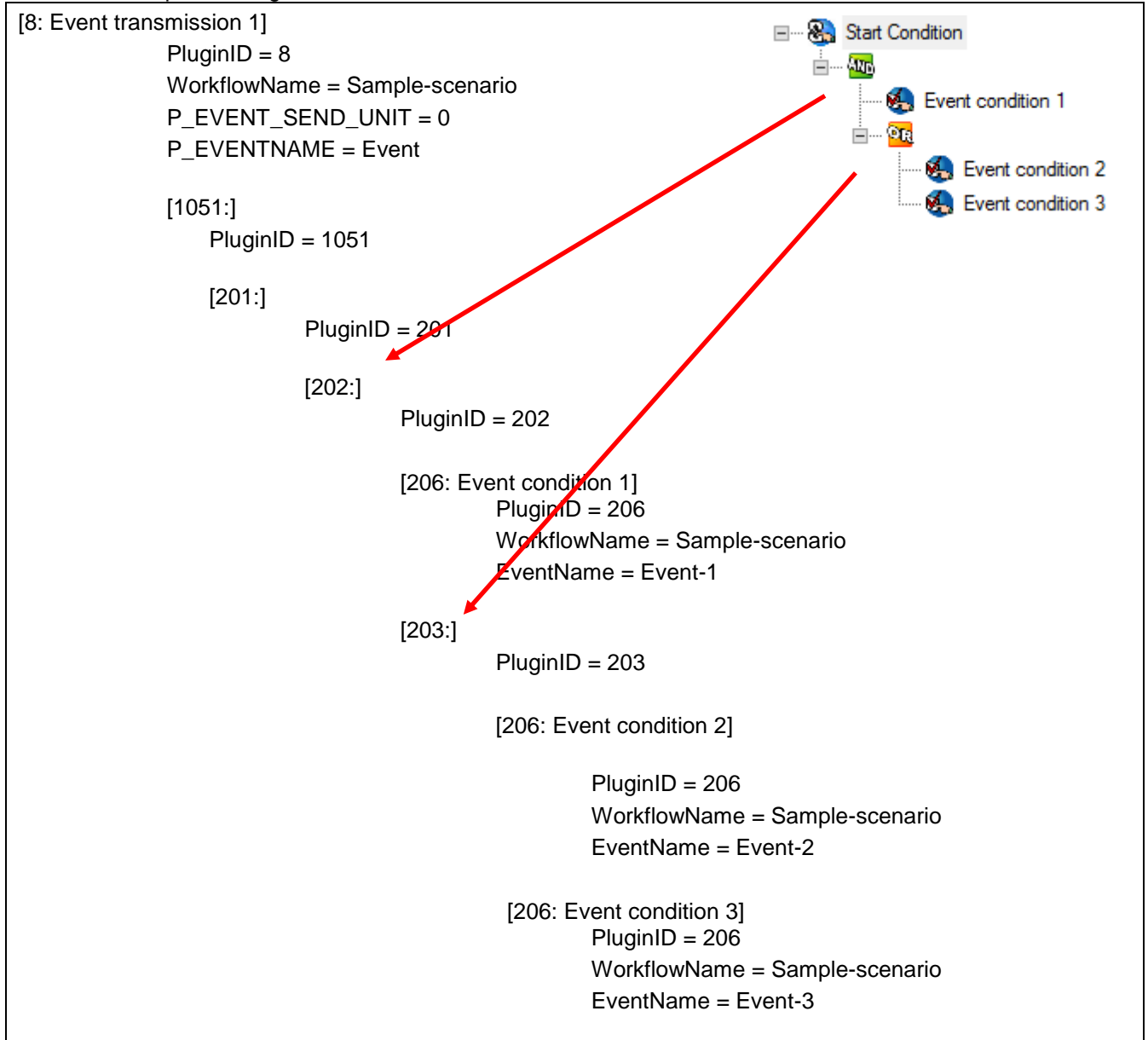
Definition example 2

This is an example of specifying multiple conditions by using the AND condition.



Definition example 3

This is an example of using the AND and OR conditions in combination.



7.3.3.1 Condition management

Specify the condition management definition in the [1051:] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "1051" (fixed).

7.3.3.2 Route condition

Specify the route condition definition in the [201:] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "201" (fixed).

7.3.3.3 AND condition

Specify the AND condition definition in the [202:] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "202" (fixed).

7.3.3.4 OR condition

Specify the OR condition definition in the [203:] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "203" (fixed).

7.3.3.5 Message condition

Specify the message condition definition in the [205:<Condition name>] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "205" (fixed).
WorkflowName	Scenario name Specify the scenario name by using up to 64 characters. [Required] This must match the scenario name specified for "WORKFLOWNAME" in the scenario overview definition part. The specified character string can contain Japanese characters.
ReceiveTime	Specification of reception time slot Specify whether to specify the reception time slot. 0: Disable specification of the reception time slot. *Default 1: Enable specification of the reception time slot. When you specify to enable specification of the reception time slot, you must specify StartTime and EndTime.
StartTime	Start time of reception time slot Specify the time in the HH:MM:SS format in the range from 00:00:00 to 23:59:59.
EndTime	End time of reception time slot Specify the time in the HH:MM:SS format in the range from 00:00:00 to 23:59:59.
[Message filter key]	Specify the message filter to wait for messages. For details of the message filter keys, see "Message filter".

7.3.3.6 Event condition

Specify the event condition definition in the [206:<Condition name>] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "206" (fixed).
WorkflowName	Scenario name Specify the scenario name by using up to 64 characters. [Required] This must match the scenario name specified for "WORKFLOWNAME" in the scenario overview definition part. The specified character string can contain Japanese characters.
EventName	Event name Specify the event name by using up to 64 characters. [Required] The specified character string can contain Japanese characters. A property reference can be used except for the conditions for the START component.*1

*1. For details about how to specify the property reference, see "Property reference".

7.3.3.7 Time condition

Specify the time condition definition in the [207:<Condition name>] section.

Key	Value
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Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "207" (fixed).
P_SELECT	Time waiting type Specify the time waiting type. [Required] 1: Specified time 2: Waiting time If you specify the specified time, you must specify P_END. If you specify the waiting time, you must specify P_PLUS_PLUGIN_START.
P_END	Time specification for specified time Specify the time in the HH:MM:SS format in the range from 00:00:00 to 23:59:59.
P_PLUS_PLUGIN_START	Period specification for waiting time Specify the period in the HH:MM:SS format in the range from 00:00:00 to 23:59:59.

7.3.3.8 Global object condition

Specify the global object condition definition in the [208:<Condition name>] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "208" (fixed).
WorkflowName	Scenario name Specify the scenario name by using up to 64 characters. [Required] This must match the scenario name specified for "WORKFLOWNAME" in the scenario overview definition part. The specified character string can contain Japanese characters.
VariableName	Global object name Specify the global object name by using up to 64 characters. [Required] The "&", "%", "\$", and "!", characters cannot be used in the global object name. The specified character string can contain Japanese characters.
CompType	Condition type Specify the comparison condition. [Required] 0:= 1:<> 2:>= 3:> 4:<= 5:<

Key	Value
ComparisonValue	<p>Comparison value</p> <p>Specify the comparison value. [Required]</p> <ul style="list-style-type: none"> • Integer type global object <p>Specify a value within the range from -2147483648 to 2147483647.</p> <ul style="list-style-type: none"> • Character string type global object <p>Specify a value by using up to 1024 characters.</p> <p>When "=" is specified for the condition, a comparison can be specified in a regular expression.</p> <p>The specified character string can contain Japanese characters.</p> <p>A property reference can be used except for the conditions for the START component.*1</p>

*1. For details about how to specify the property reference, see "Property reference".

7.4 Defining a scenario that uses a business date

What can be defined in the scenario start information definition part and in the component definition part differs depending on the scenario type.

This chapter describes the definition of a scenario that uses a business date

7.4.1 Scenario starting information definition

Define the start definition (START component) information for the scenario that uses a business date in the [Workflow] section.

Specify this section immediately after the scenario overview definition part.

This section can be specified only once.

Key	Value
FlowType	Scenario type Specify the type of scenario. [Required] 1: Scenario that uses a business date This must match the type specified for "TYPE" in the scenario overview definition part.
ServiceID	Service ID Specifies the service ID. [Required] Specify "75" (fixed).
TRIGGER_ID	Entry trigger Specify the entry trigger. 101: Change of business date *Default
P_MONITOR_START_TIME	Start time monitoring setting Specify whether to monitor the start time. 0: Do not monitor the start time. 1: Monitor the start time. *Default
P_MONITOR_END_TIME	End time monitoring setting Specify whether to monitor the end time. 0: Do not monitor the end time. 1: Monitor the end time. *Default
StartItemPosX	X coordinate position of START component Specify the position (the coordinate of the top left of the icon) of the START component when a scenario is displayed on the definition editing screen or the monitoring screen using an integer of 0 or larger. The origin (X=0, Y=0) is the top left of the screen. The size of one component is 36 by 36. If this key is omitted, 34 is used.
StartItemPosY	Y coordinate position of START component Specify the position (the coordinate of the top left of the icon) of the START component when a scenario is displayed on the definition editing screen or the monitoring screen using an integer of 0 or larger. The origin (X=0, Y=0) is the top left of the screen. The size of one component is 36 by 36. If this key is omitted, 34 is used.

Key	Value
EndItemPosX	<p>X coordinate position of END component</p> <p>Specify the position (the coordinate of the top left of the icon) of the END component when a scenario is displayed on the definition editing screen or the monitoring screen using an integer of 0 or larger.</p> <p>The origin (X=0, Y=0) is the top left of the screen.</p> <p>The size of one component is 36 by 36.</p> <p>If this key is omitted, the position is automatically adjusted to the bottom right position when the screen is displayed.</p>
EndItemPosY	<p>Y coordinate position of END component</p> <p>Specify the position (the coordinate of the top left of the icon) of the END component when a scenario is displayed on the definition editing screen or the monitoring screen using an integer of 0 or larger.</p> <p>The origin (X=0, Y=0) is the top left of the screen.</p> <p>The size of one component is 36 by 36.</p> <p>If this key is omitted, the position is automatically adjusted to the bottom right position when the screen is displayed.</p>

7.4.2 Component definition

Define the components in the scenario that uses a business date.

Specify component definitions in the section specified according to the [<Plug-in ID>:<Component name>] rule.

7.4.2.1 Scenario action component

Specify the scenario action component definition in the [1101:<Component name>] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "1101" (fixed).
WorkflowName	Scenario name Specify the scenario name by using up to 64 characters. [Required] This must match the scenario name specified for "WORKFLOWNAME" in the scenario overview definition part. The specified character string can contain Japanese characters.
P_EXEC_TYPE	Execution form Specify the command execution form. 0: Automatic execution *Default 1: Manual execution
P_EXEC_PROC	Execution processing Specify the command execution processing. 0: Parallel execution *Default 1: Sequential execution If you specify sequential execution, you must specify P_EACH_HOST and P_EXEC_ALL_COMMAND.
P_EACH_HOST	Host unit Specify the processing unit for sequential execution. 0: Do not perform sequential execution in host units. 1: Perform sequential execution in host units.
P_EXEC_ALL_COMMAND	Execution of all commands Specify processing of subsequent commands if the issued command results in an error. 0: Do not issue commands after the command that results in an error. 1: Issue all the commands.
P_ACTION_COMMENT	Action comment Specify a comment about the action by using up to 256 characters. The specified character string can contain Japanese characters.
P_START_CHECK	Start time monitoring setting Specify whether to monitor the start time. 0: Do not monitor the start time. *Default 1: Monitor the start time. If you specify monitoring, you must specify P_START_CHECK_KIND and P_START_CHECK_TIME.
P_START_CHECK_KIND	Start time monitoring type Specify the start time monitoring type. 0: Direct specification
P_START_CHECK_TIME	Time and period specification of start time monitoring Specify the time and period of start time monitoring. Specify the value in the HHH:MM:SS format in the range from 000:00:00 to 999:59:59.

Key	Value
P_END_CHECK	End time monitoring setting Specify whether to monitor the end time. 0: Do not monitor the end time. *Default 1: Monitor the end time. If you specify monitoring, you must specify P_END_CHECK_KIND and P_END_CHECK_TIME.
P_END_CHECK_KIND	End time monitoring type Specify the end time monitoring type. 0: Direct specification
P_END_CHECK_TIME	Time and period specification of end time monitoring Specify the time and period of end time monitoring. Specify the value in the HHH:MM:SS format in the range from 000:00:00 to 999:59:59.
P_EXIT_CODE_TYPE	End code definition Specify the end code definition. 0: Maximum value *Default 1: Minimum value 2: Direct specification 3: End code of the preceding component If you specify direct specification, you must specify P_EXIT_CODE_VALUE.
P_EXIT_CODE_VALUE	End code Specify the end code for direct specification in the range from -2147483648 to 2147483647.
ItemPosX	X coordinate position of component Specify the position (the coordinate of the top left of the icon) of the component when a scenario is displayed on the definition editing screen or the monitoring screen using an integer of 0 or larger. The origin (X=0, Y=0) is the top left of the screen. The size of one component is 36 by 36. The default value is "0".
ItemPosY	Y coordinate position of component Specify the position (the coordinate of the top left of the icon) of the component when a scenario is displayed on the definition editing screen or the monitoring screen using an integer of 0 or larger. The origin (X=0, Y=0) is the top left of the screen. The size of one component is 36 by 36. The default value is "0".

Specify the scenario action component command in the format described below.

Command definition

Define one command using the keys from "P_HOST?" to "P_OPTION?" in the table below.

You can define multiple commands. Specify a serial number beginning with 1 for each command for ? in each key.

Key	Value
P_HOST?	Command execution host Specify the command execution host name by using up to 256 characters. [Required] When the manager is specified for the destination to which the command is sent, specify \$MANAGER\$. You can specify multiple entries by separating them with commas. The specified character string can contain Japanese characters. A property reference can be used.*1
P_COMMAND?	Command to be executed Describe the command to be executed by using up to 260 characters. [Required] If a space is included in the path, enclose it in the double quotation marks (""). The specified character string can contain Japanese characters. A property reference can be used.*1
P_DIRECTORY?	Work directory Specify the working directory for executing the command by using up to 260 characters. If a space is included in the path, do not enclose it in the double quotation marks (""). The specified character string can contain Japanese characters. A property reference can be used.*1
P_OPTION?	Option Specify the parameters for executing the command by using up to 1024 characters. The specified character string can contain Japanese characters. A property reference can be used.*1

*1. For details about how to specify a property reference, see "Property reference".

7.4.2.2 Message transmission component

Specify the message transmission component definition in the [1102:<Component name>] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "1102" (fixed).
WorkflowName	Scenario name Specify the scenario name by using up to 64 characters. [Required] This must match the scenario name specified for "WORKFLOWNAME" in the scenario overview definition part. The specified character string can contain Japanese characters.
P_CATEGORY	Message category Specify the message category by using up to 256 characters. If you omit the key or if the value is blank, the message is sent with "Unified Management Framework." The specified character string can contain Japanese characters. A property reference can be used.*1
P_SEVERITY	Severity Specify the ID of severity. If you omit the key or if the value is blank, the message is sent with "Normal." For details about the severity ID, see "Appendix: Severity ID List".
P_NODE	Message node Specify the node of the message to be sent by using up to 256 characters. If you omit the key or if the value is blank, the message is sent with the manager node name. The specified character string can contain Japanese characters. A property reference can be used.*1
P_APPLICATION	Message application Describe the application that is used to send the message by using up to 256 characters. If you omit the key or if the value is blank, the message is sent with "Unified Management Framework." The specified character string can contain Japanese characters. A property reference can be used.*1
P_OBJECT	Message object Specify the object of the message to be sent by using up to 256 characters. If you omit the key or if the value is blank, the message is sent with "System." The specified character string can contain Japanese characters. A property reference can be used.*1
P_MESSAGE_ID	Message ID Describe the ID of the message by using up to 256 characters. If you omit the key or if the value is blank, the message is sent with "00000000." The specified character string can contain Japanese characters. A property reference can be used.*1
P_MESSAGE_TEXT	Message text Specify the message text by using up to 1024 characters. If you omit the key, the message is sent with a null character. Specify <CR> as the line feed. The specified character string can contain Japanese characters. A property reference can be used.*1

Key	Value
P_EXIT_CODE_TYPE	End code definition Specify the end code definition. 0: Direct specification 1: End code of preceding component *Default If you specify direct specification, you must specify P_EXIT_CODE_VALUE.
P_EXIT_CODE_VALUE	End code Specify the end code for direct specification in the range from -2147483648 to 2147483647.
P_START_CHECK	Start time monitoring setting Specify whether to monitor the start time. 0: Do not monitor the start time. *Default 1: Monitor the start time. If you specify monitoring, you must specify P_START_CHECK_KIND and P_START_CHECK_TIME.
P_START_CHECK_KIND	Start time monitoring type Specify the start time monitoring type. 0: Direct specification
P_START_CHECK_TIME	Time and period specification of start time monitoring Specify the time and period of start time monitoring. Specify the value in the HHH:MM:SS format in the range from 000:00:00 to 999:59:59.
P_END_CHECK	End time monitoring setting Specify whether to monitor the end time. 0: Do not monitor the end time. *Default 1: Monitor the end time. If you specify monitoring, you must specify P_END_CHECK_KIND and P_END_CHECK_TIME.
P_END_CHECK_KIND	End time monitoring type Specify the end time monitoring type. 0: Direct specification
P_END_CHECK_TIME	Time and period specification of end time monitoring Specify the time and period of end time monitoring. Specify the value in the HHH:MM:SS format in the range from 000:00:00 to 999:59:59.
ItemPosX	X coordinate position of component Specify the position (the coordinate of the top left of the icon) of the component when a scenario is displayed on the definition editing screen or the monitoring screen using an integer of 0 or larger. The origin (X=0, Y=0) is the top left of the screen. The size of one component is 36 by 36. The default value is "0".
ItemPosY	Y coordinate position of component Specify the position (the coordinate of the top left of the icon) of the component when a scenario is displayed on the definition editing screen or the monitoring screen using an integer of 0 or larger. The origin (X=0, Y=0) is the top left of the screen. The size of one component is 36 by 36. The default value is "0".

*1. For details about how to specify the property reference, see "Property reference".

7.4.2.3 Event transmission component

Specify the event transmission component definition in the [1103:<Component name>] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "1103" (fixed).
WorkflowName	Scenario name Specify the scenario name by using up to 64 characters. [Required] This must match the scenario name specified for "WORKFLOWNAME" in the scenario overview definition part. The specified character string can contain Japanese characters.
P_EVENTNAME	Event name Specify the event name by using up to 64 characters. [Required] The specified character string can contain Japanese characters. A property reference can be used.*1
P_EVENT_SEND_UNIT	Event transmission unit Specify the event transmission unit. [Required] 0: Single 1: All
P_EXIT_CODE_TYPE	End code definition Specify the end code definition. 0: Direct specification 1: End code of preceding component *Default If you specify direct specification, you must specify P_EXIT_CODE_VALUE.
P_EXIT_CODE_VALUE	End code Specify the end code for direct specification in the range from -2147483648 to 2147483647.
P_OPERATE_IN_ABNORMAL	Operation when event transmission times out Specify the operation at timeout. 0: Stop *Default 1: Continue the flow When continuing execution is specified, you must specify P_CONTINUE_CODE.
P_CONTINUE_CODE	End code to continue execution at timeout Specify the end code to continue execution at timeout in the range from -2147483648 to 2147483647.
P_START_CHECK	Start time monitoring setting Specify whether to monitor the start time. 0: Do not monitor the start time. *Default 1: Monitor the start time. If you specify monitoring, you must specify P_START_CHECK_KIND and P_START_CHECK_TIME.
P_START_CHECK_KIND	Start time monitoring type Specify the start time monitoring type. 0: Direct specification
P_START_CHECK_TIME	Time and period specification of start time monitoring Specify the time and period of start time monitoring. Specify the value in the HHH:MM:SS format in the range from 000:00:00 to 999:59:59.

Key	Value
P_END_CHECK	End time monitoring setting Specify whether to monitor the end time. 0: Do not monitor the end time. *Default 1: Monitor the end time. If you specify monitoring, you must specify P_END_CHECK_KIND and P_END_CHECK_TIME.
P_END_CHECK_KIND	End time monitoring type Specify the end time monitoring type. 0: Direct specification
P_END_CHECK_TIME	Time and period specification of end time monitoring Specify the time and period of end time monitoring. Specify the value in the HHH:MM:SS format in the range from 000:00:00 to 999:59:59.
P_RECEIVE_CHECK	Event reception check Specify whether to check event reception. 0: Do not check reception. *Default 1: Check reception. If you check reception, you must specify P_TIMEOUT.
P_TIMEOUT	Timeout time at reception check Specify the timeout period (seconds) for a reception check in the range from 0 to 86400. Event reception is waited for infinitely if you specify 0.
ItemPosX	X coordinate position of component Specify the position (the coordinate of the top left of the icon) of the component when a scenario is displayed on the definition editing screen or the monitoring screen using an integer of 0 or larger. The origin (X=0, Y=0) is the top left of the screen. The size of one component is 36 by 36. The default value is "0".
ItemPosY	Y coordinate position of component Specify the position (the coordinate of the top left of the icon) of the component when a scenario is displayed on the definition editing screen or the monitoring screen using an integer of 0 or larger. The origin (X=0, Y=0) is the top left of the screen. The size of one component is 36 by 36. The default value is "0".

*1. For details about how to specify the property reference, see "Property reference".

7.4.2.4 Global object component

Specify the global object component definition in the [1104:<Component name>] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "1104" (fixed).
WorkflowName	Scenario name Specify the scenario name by using up to 64 characters. [Required] This must match the scenario name specified for "WORKFLOWNAME" in the scenario overview definition part. The specified character string can contain Japanese characters.

Key	Value
P_GLOBALOBJECT	Global object name Specify the global object name by using up to 64 characters. [Required] The "&", "%", "\$", and "!", characters cannot be used in the global object name. The specified character string can contain Japanese characters.
P_SEL_VALUE	Update type Specify the update type. [Required] 1: Value specification 2: Incrementing 3: Decrementing If you specify incrementing or decrementing, you must specify an integer type global object. If you specify the specified value, you must specify P_DIRECT_VALUE.
P_DIRECT_VALUE	Update value Specify the update value when selecting the specified value for the update type. Specify a value within the range from -2147483648 to 2147483647 for an integer type global object. Specify the character string type global object name by using up to 1024 characters. The specified character string can contain Japanese characters. A property reference can be used.*1 A string type property cannot be specified for an integer type.global object.
P_SEL_RESULT	End code definition Specify the end code definition. 1: Direct specification 2: End code of preceding component *Default If you specify direct specification, you must specify P_RESULT.
P_RESULT	End code Specify the end code for direct specification in the range from -2147483648 to 2147483647.
P_START_CHECK	Start time monitoring setting Specify whether to monitor the start time. 0: Do not monitor the start time. *Default 1: Monitor the start time. If you specify monitoring, you must specify P_START_CHECK_KIND and P_START_CHECK_TIME.
P_START_CHECK_KIND	Start time monitoring type Specify the start time monitoring type. 0: Direct specification
P_START_CHECK_TIME	Time and period specification of start time monitoring Specify the time and period of start time monitoring. Specify the value in the HHH:MM:SS format in the range from 000:00:00 to 999:59:59.
P_END_CHECK	End time monitoring setting Specify whether to monitor the end time. 0: Do not monitor the end time. *Default 1: Monitor the end time. If you specify monitoring, you must specify P_END_CHECK_KIND and P_END_CHECK_TIME.
P_END_CHECK_KIND	End time monitoring type Specify the end time monitoring type. 0: Direct specification

Key	Value
P_END_CHECK_TIME	Time and period specification of end time monitoring Specify the time and period of end time monitoring. Specify the value in the HHH:MM:SS format in the range from 000:00:00 to 999:59:59.
ItemPosX	X coordinate position of component Specify the position (the coordinate of the top left of the icon) of the component when a scenario is displayed on the definition editing screen or the monitoring screen using an integer of 0 or larger. The origin (X=0, Y=0) is the top left of the screen. The size of one component is 36 by 36. The default value is "0".
ItemPosY	Y coordinate position of component Specify the position (the coordinate of the top left of the icon) of the component when a scenario is displayed on the definition editing screen or the monitoring screen using an integer of 0 or larger. The origin (X=0, Y=0) is the top left of the screen. The size of one component is 36 by 36. The default value is "0".

*1. For details about how to specify the property reference, see "Property reference".

7.4.2.5 Local object component

Specify the local object component definition in the [1105:<Component name>] section.

Key	Value
PluginID	<p>Plug-in ID</p> <p>Specify the plug-in ID of the component. [Required]</p> <p>Specify "1105" (fixed).</p>
WorkflowName	<p>Scenario name</p> <p>Specify the scenario name by using up to 64 characters. [Required]</p> <p>This must match the scenario name specified for "WORKFLOWNAME" in the scenario overview definition part.</p> <p>The specified character string can contain Japanese characters.</p>
P_LOCALOBJECT	<p>Local object name</p> <p>Specify the name of the local object to be updated by using up to 64 characters. [Required]</p> <p>The "&", "%", "\$", "!", and "=" characters cannot be used in the local object name.</p> <p>The specified character string can contain Japanese characters.</p>
P_SEL_VALUE	<p>Update type</p> <p>Specify the update type. [Required]</p> <p>1: Value specification 2: Incrementing 3: Decrementing 4: File</p> <p>If you specify incrementing or decrementing, you must specify the local object of the integer type.</p> <p>If you specify the file, you must specify P_FILE_PATH.</p> <p>If you specify the specified value, you must specify P_DIRECT_VALUE.</p>
P_DIRECT_VALUE	<p>Update value</p> <p>Specify the update value when selecting the specified value for the update type.</p> <p>Specify a value within the range from -2147483648 to 2147483647 for the integer type local object name.</p> <p>Specify the value by using up to 65535 characters for the character string type local object name.</p> <p>Specify <CR> as the line feed.</p> <p>The specified character string can contain Japanese characters.</p> <p>A property reference can be used.*1</p> <p>A string type property cannot be specified for an integer type.local object.</p>
P_FILE_PATH	<p>File</p> <p>If you select a file as the update type, specify the absolute path of the file that contains the local object value by using up to 1024 characters.</p> <p>The specified character string can contain Japanese characters.</p> <p>* Loading components fails if the maximum length of the file path that can be used in the OS is exceeded.</p> <p>A property reference can be used.*1</p>
P_CHARACTER_CODE	<p>Character encoding</p> <p>Specify the character encoding scheme for the file specified by P_FILE_PATH.</p> <p>0: UTF16 *Default 1: UTF8 2: SJIS</p>

Key	Value
P_SEL_RESULT	End code definition Specify the end code definition. 1: Direct specification 2: End code of preceding component *Default If you specify direct specification, you must specify P_RESULT.
P_RESULT	End code Specify the end code for direct specification in the range from -2147483648 to 2147483647.
P_OPERATE_IN_ABNORMAL	Specification of execution continuation at abnormal termination Specify the operation at abnormal termination. 0: Stop the flow *Default 1: Continue the flow When continuing execution is specified, you must specify P_CONTINUE_CODE.
P_CONTINUE_CODE	End code to continue execution at abnormal termination Specify the end code to continue execution at abnormal termination in the range from -2147483648 to 2147483647.
P_START_CHECK	Start time monitoring setting Specify whether to monitor the start time. 0: Do not monitor the start time. *Default 1: Monitor the start time. If you specify monitoring, you must specify P_START_CHECK_KIND and P_START_CHECK_TIME.
P_START_CHECK_KIND	Start time monitoring type Specify the start time monitoring type. 0: Direct specification
P_START_CHECK_TIME	Time and period specification of start time monitoring Specify the time and period of start time monitoring. Specify the value in the HHH:MM:SS format in the range from 000:00:00 to 999:59:59.
P_END_CHECK	End time monitoring setting Specify whether to monitor the end time. 0: Do not monitor the end time. *Default 1: Monitor the end time. If you specify monitoring, you must specify P_END_CHECK_KIND and P_END_CHECK_TIME.
P_END_CHECK_KIND	End time monitoring type Specify the end time monitoring type. 0: Direct specification
P_END_CHECK_TIME	Time and period specification of end time monitoring Specify the time and period of end time monitoring. Specify the value in the HHH:MM:SS format in the range from 000:00:00 to 999:59:59.
ItemPosX	X coordinate position of component Specify the position (the coordinate of the top left of the icon) of the component when a scenario is displayed on the definition editing screen or the monitoring screen using an integer of 0 or larger. The origin (X=0, Y=0) is the top left of the screen. The size of one component is 36 by 36. The default value is "0".

Key	Value
ItemPosY	Y coordinate position of component Specify the position (the coordinate of the top left of the icon) of the component when a scenario is displayed on the definition editing screen or the monitoring screen using an integer of 0 or larger. The origin (X=0, Y=0) is the top left of the screen. The size of one component is 36 by 36. The default value is "0".

*1. For details about how to specify the property reference, see "Property reference".

7.4.3 Condition definition

Define the conditions in the scenario that uses a business date.

Specify the condition definition in the section specified according to the [<Plug-in ID>:<Condition name>] rule. Specify it under the component for which the condition is set. (Indent the condition section with tabs.)

However, specify the conditions for the START component immediately after the [Workflow] section without indent.

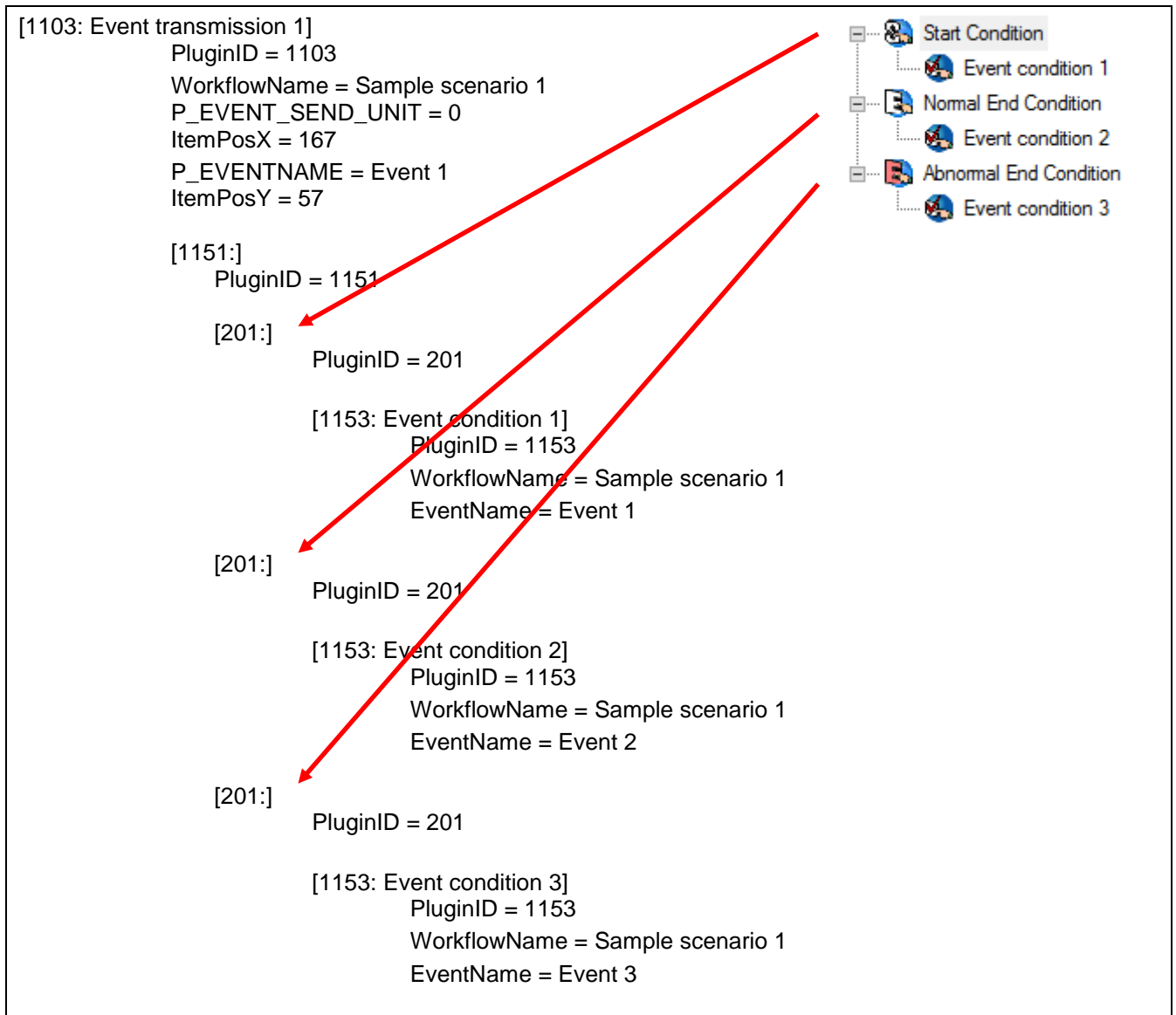
Cautions

- You can only specify the start condition, successful completion condition, and abnormal termination condition for the components in a scenario that uses a business date.
- The component start condition is required in a scenario that uses a business date.
- Be sure to place one condition management unit under the component.
- Specify three route conditions that correspond to the successful completion condition and abnormal termination condition under condition management.
- Conditions cannot be placed under conditions (time condition, event condition, message condition, global object condition, return value condition, or preceding component condition). Be sure to place conditions under the route condition, AND condition, or OR condition.
- You can specify the return value condition only for the successful completion condition and abnormal termination condition of the scenario action component.

Definition example

This is an example of specifying one condition for the start condition, termination condition, and abnormal termination condition.

For an example of placing the AND and OR conditions, see the example in "[Condition](#) definition" for the scenario that does not use a business date.



7.4.3.1 Condition management

Specify the condition management definition in the [1151:] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "1151" (fixed).

7.4.3.2 Route condition

Specify the route condition definition in the [201:] section.

- * The definition is the same as that specified in the chapter about the scenario that does not use a business date.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "201" (fixed).

7.4.3.3 AND condition

Specify the AND condition definition in the [202:] section.

- * The definition is the same as that specified in the chapter about the scenario that does not use a business date.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "202" (fixed).

7.4.3.4 OR condition

Specify the OR condition definition in the [203:] section.

- * The definition is the same as that specified in the chapter about the scenario that does not use a business date.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "203" (fixed).

7.4.3.5 Time condition

Specify the time condition definition in the [1152:<Condition name>] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "1152" (fixed).
P_SELECT	Time waiting type Specify the time waiting type. [Required] 1: Specified time If you specify the specified time, you must specify P_END.
P_END	Time specification for specified time Specify the time in the HHH:MM:SS format in the range from 000:00:00 to 999:59:59. [Required]

7.4.3.6 Event condition

Specify the event condition definition in the [1153:<Condition name>] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "1153" (fixed).
WorkflowName	Scenario name Specify the scenario name by using up to 64 characters. [Required] This must match the scenario name specified for "WORKFLOWNAME" in the scenario overview definition part. The specified character string can contain Japanese characters.
EventName	Event name Specify the event name by using up to 64 characters. [Required] The specified character string can contain Japanese characters. A property reference can be used except for the conditions for the START component.*1

*1. For details about how to specify the property reference, see "Property reference".

7.4.3.7 Message condition

Specify the message condition definition in the [1154:<Condition name>] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "1154" (fixed).
WorkflowName	Scenario name Specify the scenario name by using up to 64 characters. [Required] This must match the scenario name specified for "WORKFLOWNAME" in the scenario overview definition part. The specified character string can contain Japanese characters.
ReceiveTime	Specification of reception time slot Specify whether to specify the reception time slot. 0: Disable specification of the reception time slot. *Default 1: Enable specification of the reception time slot. When you specify to enable specification of the reception time slot, you must specify StartTime and EndTime.
StartTime	Start time of reception time slot Specify the time in the HH:MM:DD format in the range from 00:00:00 to 23:59:59.
EndTime	End time of reception time slot Specify the time in the HH:MM:DD format in the range from 00:00:00 to 23:59:59.
[Message filter key]	Specify the message filter to wait for messages. For details of the message filter keys, see "Message filter".

7.4.3.8 Global object condition

Specify the global object condition definition in the [1155:<Condition name>] section.

Key	Value
PluginID	Plug-in ID Specify the plug-in ID of the component. [Required] Specify "1155" (fixed).
WorkflowName	Scenario name Specify the scenario name by using up to 64 characters. [Required] This must match the scenario name specified for "WORKFLOWNAME" in the scenario overview definition part. The specified character string can contain Japanese characters.
VariableName	Global object name Specify the global object name by using up to 64 characters. [Required] The "&", "%", "\$", and "!", characters cannot be used in the global object name. The specified character string can contain Japanese characters.
CompType	Condition type Specify the comparison condition. [Required] 0:= 1:<> 2:>= 3:> 4:<= 5:<

Key	Value
ComparisonValue	<p>Comparison value</p> <p>Specify the comparison value. [Required]</p> <ul style="list-style-type: none"> For the integer type global object <p>Specify a value within the range from -2147483648 to 2147483647.</p> <ul style="list-style-type: none"> Character string type global object <p>Specify a value by using up to 1024 characters.</p> <p>When "=" is specified for the condition, a comparison can be specified in a regular expression.</p> <p>The specified character string can contain Japanese characters.</p> <p>A property reference can be used except for the conditions for the START component.*1</p>

*1. For details about how to specify the property reference, see "Property reference".

7.4.3.9 Return value condition

Specify the return value condition definition in the [1156:<Condition name>] section.

PluginID	<p>Plug-in ID</p> <p>Specify the plug-in ID of the component. [Required]</p> <p>Specify "1156" (fixed).</p>
Command	<p>Return value of the command</p> <p>Specify the range of values that are assumed as an end of the command execution result (return value). [Required]</p> <p>Specify the value by using one-byte numbers (-2147483648 to 2147483647).</p> <p>To specify multiple values, separate each numerical value with a one-byte comma.</p> <p>To specify a range, concatenate the first numerical value and the last numerical value of the range with a one-byte hyphen.</p> <p>Up to 64 characters can be specified.</p> <p>Example:</p> <p>Command = -1,2,5,10,90-99</p>
NodeID	<p>Component name</p> <p>Specify the name of the component that defines the return value condition by using up to 64 characters. [Required]</p> <p>This key must match the name of the component to which the condition applies.</p> <p>The "&", "%", "\$", and "!" characters cannot be used in the component name.</p>

7.4.3.10 Preceding component condition

Specify the preceding component condition definition in the [204:<Condition name>] section.

PluginID	<p>Plug-in ID</p> <p>Specify the plug-in ID of the component. [Required]</p> <p>Specify "204" (fixed).</p>
P_PRE_COMPONENT	<p>Preceding component name</p> <p>Specify the preceding component name by using up to 64 characters.</p> <p>[Required]</p> <p>The "&", "%", "\$", and "!" characters cannot be used in the component name.</p> <p>The specified character string can contain Japanese characters.</p>

7.5 Local object definition part

Specify the local object definition in the [LocalObject] section.

Key	Value
LineSeparator	Line feed string Specify the replacement character string that is converted into the line feed of the local object value. Specify <WORKFLOW_\\r\\n> (fixed).

7.5.1 Local object

Specify the local object definition in the [<Local object name>] section.

A local object with the same name cannot be defined multiple times in a scenario definition.

You can specify the local object name by using up to 64 characters except, for the "&", "%", "\$", "!", and "=" characters.

Key	Value
LocalObjectAttribute	Attribute Specify the attribute. [Required] 0: Character string type 1: Integer type
LocalObjectInitialValue	Initial value Specify the initial value. [Required] Specify a value by using up to 65535 characters for the character type. Specify a value within the range from -2147483648 to 2147483647 for the integer type. You can specify a character string that contains line feeds. Specify <WORKFLOW_\\r\\n> as the line feed. The specified character string can contain Japanese characters.
LocalObjectExplain	Description Specify the description by using up to 1024 characters. [Required] The specified character string can contain Japanese characters.

7.6 Global object definition part

7.6.1 Global object

Specify the global object definition in the [<Global object name>] section.

Importing fails if the import destination scenario definition file or the scenario definition file to be imported contains global objects that have different attributes and the same variable name.

The settings in the import file are ignored if the import destination scenario definition file contains global objects that have the same variable name and the same attributes.

The settings for the global object to be processed later are ignored if the scenario definition file to be imported contains global objects that have the same variable name and the same attributes.

You can specify the global object name by using up to 64 characters except, for the “&”, “%”, “\$”, and “!” characters.

Key	Value
GlobalObjectAttribute	Attribute Specify the attribute. [Required] 0: Character string type 1: Integer type
GlobalObjectInitialValue	Initial value Specify the initial value. [Required] Specify a value by using up to 1024 characters for the character type. Specify a value within the range from -2147483648 to 2147483647 for the integer type. The specified character string can contain Japanese characters.
GlobalObjectExplain	Description Specify the description by using up to 1024 characters. [Required] The specified character string can contain Japanese characters.

7.7 Message filter

Specify the message filter definition to be set to the START component, the message waiting component, and the message condition in the scenario that uses a business date.

Key	Value
Category	<p>Category</p> <p>Describe the filter condition to the category by using up to 256 characters. The specified character string can contain Japanese characters. A property reference can be used except for the START component and the message conditions for the START component.*2</p>
CategoryNot	<p>Category rejection specification</p> <p>Specify to reject the filter condition for categories.</p> <p>0: Do not reject *Default 1: Reject</p>
Node	<p>Node</p> <p>Describe the filter condition to the node by using up to 256 characters. You can use regular expressions. *1</p> <p>The specified character string can contain Japanese characters. A property reference can be used except for the START component and the message conditions for the START component.*2</p>
NodeNot	<p>Node rejection specification</p> <p>Specify to reject the filter condition for nodes.</p> <p>0: Do not reject *Default 1: Reject</p>
Application	<p>Application</p> <p>Describe the filter condition to the application by using up to 256 characters. You can use regular expressions. *1</p> <p>The specified character string can contain Japanese characters. A property reference can be used except for the START component and the message conditions for the START component.*2</p>
ApplicationNot	<p>Application rejection specification</p> <p>Specify to reject the filter condition for applications.</p> <p>0: Do not reject *Default 1: Reject</p>
Object	<p>Object</p> <p>Describe the filter condition to the object by using up to 256 characters. You can use regular expressions. *1</p> <p>The specified character string can contain Japanese characters. A property reference can be used except for the START component and the message conditions for the START component.*2</p>
ObjectNot	<p>Object rejection specification</p> <p>Specify to reject the filter condition for objects.</p> <p>0: Do not reject *Default 1: Reject</p>
MessageID	<p>Message ID</p> <p>Describe the filter condition to the message ID by using up to 256 characters. You can use regular expressions. *1</p> <p>The specified character string can contain Japanese characters. A property reference can be used except for the START component and the message conditions for the START component.*2</p>

Key	Value
MessageIDNot	<p>Message ID rejection specification</p> <p>Specify to reject the filter condition for message IDs.</p> <p>0: Do not reject *Default</p> <p>1: Reject</p>
MessageText	<p>Message text</p> <p>Describe the filter condition to the message text by using up to 1024 characters. You can use regular expressions. *1</p> <p>The specified character string can contain Japanese characters.</p> <p>A property reference can be used except for the START component and the message conditions for the START component.*2</p>
MessageTextNot	<p>Message text rejection specification</p> <p>Specify to reject the filter condition for message texts.</p> <p>0: Do not reject *Default</p> <p>1: Reject</p>
SELPOS?	<p>Position specification</p> <p>Specify the search conditions by specifying the position in the message text in the format of "Rejection specification,position,condition type,"comparison value".</p> <p>You can specify this key up to eight times entering an integer between 1 and 8 for "?."</p> <ul style="list-style-type: none"> • Rejection specification <p>0: Do not reject</p> <p>1: Reject</p> <ul style="list-style-type: none"> • Position <p>Specify a search position within the range from 1 to 1024.</p> <ul style="list-style-type: none"> • Condition type <p>0: =, 1: <>, 2: >=, 3: >, 4: <=, 5: <</p> <p>When "=" is specified, matched values are compared while "<>" is specified, unmatched values are compared, and then when others are specified, binary values (character codes) are compared.</p> <ul style="list-style-type: none"> • Comparison value <p>Specify the comparison character string by using up to 64 characters enclosed in double quotation marks.</p> <p>A double quotation mark (") cannot be used in the comparison character string.</p> <p>The specified character string can contain Japanese characters.</p> <p>To extract messages where the 10th character in the message text is "abnormal", specify as shown below.</p> <p>SELPOS1 = 0,10,0,"Abnormal"</p>

Key	Value
SELKEY?	<p>Key specification</p> <p>Specify the search condition by specifying the key in the message text in the format of "Rejection specification,"key value",condition type,"comparison value"."</p> <p>You can specify this key up to eight times entering an integer between 1 and 8 for "?."</p> <ul style="list-style-type: none"> • Rejection specification <p>0: Do not reject 1: Reject</p> <ul style="list-style-type: none"> • Key value <p>Specify the search key string by using up to 64 characters enclosed in double quotation marks.</p> <p>A double quotation mark (") cannot be used in the search key.</p> <p>The specified character string can contain Japanese characters.</p> <ul style="list-style-type: none"> • Condition type <p>0: =, 1: <>, 2: >=, 3: >, 4: <=, 5: <</p> <p>When [=] is specified, a regular expression is applied as a comparison value.</p> <p>When a condition other than [=] is specified, a binary (character encoding) comparison with the character string specified for the comparison value is performed. *1</p> <ul style="list-style-type: none"> • Comparison value <p>Specify the comparison character string by using up to 64 characters enclosed in double quotation marks.</p> <p>A double quotation mark (") cannot be used in the comparison character string.</p> <p>The specified character string can contain Japanese characters.</p> <p>The following is a definition example to extract the message whose value is 7 when the message text contains the string, "error_number = value," which has the "Key = Value" format.</p> <p>SELKEY1 = 0,"error_number",0,"7"</p>
Severity	<p>Severity</p> <p>Specify the ID of severity.</p> <p>For details about the severity ID, see "Appendix: Severity ID List".</p>
SeverityNot	<p>Importance rejection specification</p> <p>Specify to reject the filter condition for importance.</p> <p>0: Do not reject *Default 1: Reject</p>

*1. See the following sections of the Help.

[Readme first]-[Regular expression]

*2. For details about how to specify the property reference, see "Property reference".

7.8 Property reference

Use a property reference to use the result (property) of the preceding component as the setting value of the component.

Specify the property reference as described below.

The properties that can be referenced differ depending on the component.

For details, see the following sections of the Help.

[Using Scenario Control]-[Defining Scenarios]-[Creating and Saving Scenarios]-[Define actions by allocating parts]-[Viewing the result of precedent part (Viewing property)]

Reference	Character string to be specified
Previous component	%!<Property name>% * Only common properties (R_RESULT, Status, StartTime, EndTime) can be referenced in the immediately preceding component specification.
Preceding component	%<Component name>!<Property name>%
Local object	%&&<Local object name>%
Global object	%&<Global object name>%
Condition	%<Component name>\$<Condition name>!<Property name>%

The character string can be extracted from a string type property by specifying the position or key.

To use a position or key specification, specify the option in the following format following "!" after the property name.

- Key specification

!SELPOS(<Position>,<Number of characters>)

References the specified number of characters from the specified character position.

Position: Specify a position to start reference within the range from 1 to 65534.

Number of characters:

Specify the number of characters to reference within the range from 0 to 65534. If you specify 0 for the number of characters, the following operation is performed.

If the character at the specified position is a double quotation mark ("):

The character string immediately after the double quotation mark up to a line feed (CR+LF or LF) or double quotation mark is referenced.

Other cases: The character string from the specified position up to a space or line feed is referenced.

Example:

%Message waiting1!R_MESSAGETEXT!SELPOS(1,10)%

- Position specification

!SELKEY("<Key value>")

Specify the key value by using a regular expression.

When multiple matching key values exist, the character string of the key that appears first is obtained.

Key value: Specify a key value by using up to 64 characters.

If the character immediately after the key value is a double quotation mark:

The character string immediately after the double quotation mark up to a line feed (CR+LF or LF), right parenthesis ()), or double quotation mark (") is referenced. ("Up to the right parenthesis ())" only applies if the key value ends with an equal sign (=).)

Other cases:

The character string immediately after the key value up to a space, line feed (CR+LF or

LF), or right parenthesis ()) is referenced. (“Up to the right parenthesis ())” only applies if the key value ends with an equal sign (=).)

Example:

```
%Message waiting!R_MESSAGETEXT!SELKEY("Key")%
```

8. Appendix: Severity ID List

System importance

Severity display name (default)	Severity internal name	Severity ID
[STOP]	SEV_STOP	256
[FATAL]	SEV_FATAL	257
[CRITICAL]	SEV_CRITICAL	258
[MAJOR]	SEV_MAJOR	259
[MINOR]	SEV_MINOR	260
[WARNING]	SEV_WARNING	261
[UNKNOWN]	SEV_UNKNOWN	262
[NOMESSAGE]	SEV_NOMESSAGE	263
[NORMAL]	SEV_NORMAL	264
[PROCESSTOP]	SEV_PROCESSTOP	265
[SERVICESTOP]	SEV_SERVICESTOP	266
[PERFUPERROR]	SEV_PERFUPERROR	267
[PERFLOWERROR]	SEV_PERFLOWERROR	268
[HOSTEMPTY]	SEV_HOSTEMPTY	269
[PERFUPWARNING]	SEV_PERFUPWARNING	270
[PERFLOWWARNING]	SEV_PERFLOWWARNING	271
[PROCESSUNKNOWN]	SEV_PROCESSUNKNOWN	272
[SERVICEUNKNOWN]	SEV_SERVICEUNKNOWN	273
[PERFUNKNOWN]	SEV_PERFUNKNOWN	274
[PROCESSRUN]	SEV_PROCESSRUN	275
[SERVICERUN]	SEV_SERVICERUN	276
[PERFNORMAL]	SEV_PERFNORMAL	277
[HOSTNORMAL]	SEV_HOSTNORMAL	278
[PROCESSUPERROR]	SEV_PROCESSUPERROR	279
[FORCEEND]	SEV_FORCEEND	280
[DELAY]	SEV_DELAY	281
[CONDSTOP]	SEV_CONDSTOP	282
[EXECUTING]	SEV_EXECUTING	283
[NOTEXEC]	SEV_NOTEXEC	284
[CONFIRMATION]	SEV_CONFIRMATION	285
[UNMANAGED]	SEV_UNMANAGED	286

9. Appendix: Error Messages and Error Codes

If the format of the import definition file is invalid, the following detail messages are output to the standard command output.

Message	Remarks
Mandatory Section is not found.	Define the required section.
Mandatory Key is not found.	Define the required key.
An invalid Section was specified.	Correctly define the section.
Duplicate section.	The section is duplicated. Remove duplication.
An invalid Key was specified.	The Key specified in Key=Value is invalid. Define a key that can be specified.

Duplicate Key.	The key is duplicated. Remove duplication.
Specified value is out of acceptable range.	The value specified for Value in Key=Value is out of the specification range. Define a value within the specification range.
Specified string is too long.	The number of characters specified for Value in Key=Value exceeds the specifiable number of characters. Define a value within the specifiable number of characters.
Duplicate value.	The specified value is duplicated. Remove duplication.
An illegal value was specified.	The specified value is invalid. Correctly define the value.
Different global object type.	The global objects of the identical name but different types exist.
The property reference is incorrect.	The specification format or reference destination of the property reference is invalid. Specify the correct specification format or reference destination.
An invalid condition was specified.	The branch or component condition is invalid. *1
Same local object name exists.	A local object with the same name cannot be defined. Change the variable name.
The specified name is already used as a Node Name in the same hierarchy.	A scenario or group with the same name is defined in the scenario configuration file. Change the scenario or group name.
Invalid schedule file format.	Modify the definition according to the error code of the scheduler.
Invalid calendar file format.	Modify the definition according to the error code of the calendar.

*1: If an invalid definition is specified in component conditions, the problem output as the command error message is condition management ([1051:] section, [1151:] section). If this error message is output, check that the condition definitions are correct referring to the following chapter.

For the scenario that does not a business date: 7.3.3 Condition definition

For the scenario that uses a business date: 7.4.3 Condition definition

If the condition for the condition branching component is invalid, the problem output as the command error message is a condition branch ([2:<Component name>]). If this error message is output, check that the condition definitions are correct referring to the following chapter.

Branching component: 7.3.2.2Condition branching component

The command standard output attached with any of the following error cods is generated when the import of a schedule/calendar failed.

Error code	Details
101	The specified file does not exist.
102	The import file size exceeds the upper limit value. (1 MB)

103	Opening the specified file failed.
104	Reading the specified file failed.
105	The specified file is not the import file of a calendar/schedule definition. (Invalid header part)
106	The specified file does not include the calendar section.
107	The specified file does not include the calendar rule.
108	The specified number of columns is invalid.
109	The specified calendar does not exist in either the import file or calendar management.
110	The number of characters of the specified value is invalid.
111	The specified value is out of the specification range.
112	The specified value is invalid.
113	The required item is not specified.
114	The new calendar name already exists in calendar management. * This may occur if the definition is changed during the import process.
201	The specified file does not include the schedule section.
202	The specified file does not include the schedule rule.
203	A value other than the schedule mode that can be specified is specified.
204	The new schedule name already exists in schedule management. * This may occur if the definition is changed during the import process.

10. Appendix: Deleting Unnecessary Schedules

As of MasterScope MISSION CRITICAL OPERATIONS Ver4.2.1, you can delete unused schedules after completing command-based importing.

Enable this setting by using the following procedure.

10.1 Stopping the manager function

1. Stop the console if the console is implemented.
2. Stop the manager services.

For details about how to stop the manager service, see the manual (Help) of MasterScope MISSION CRITICAL OPERATIONS.

[Before Starting Operation]-[Starting and Exiting the Manager or Agent Function]

10.2 Editing the configuration file

Add the following section to the configuration file.

If the file already exists, save the character encoding and line feed code without changing these after editing the file.

If the file does not exist, create the file. Save UTF-16LE (no BOM, line feed code: CR+LF) in Windows or UTF-8 (no BOM, line feed code: LF) in UNIX as the character encoding for the ini file.

Configure settings on both systems (active and standby systems) in a redundant environment.

■ Configuration file

[Windows]

<Installation folder>\Manager\sg\WorkflowMgr.ini

[Linux/HP-UX(IPF)]

<Installation directory>/Manager/sg/WorkflowMgr.ini

■ Settings

[Import] section

DeleteSchedule	Specifies whether to delete unused schedules when command-based importing is complete. 0: Do not delete the schedule *Default 1: Delete the schedule
Data type	Integer
Valid values	0, 1 * 0 (disable) if a value other than 0 or 1 is specified.
Optional values	0

■ Description example

```
[Import]  
DeleteSchedule=1
```

10.3 Restarting the manager function

1. Start the manager service.

For details about how to start the manager service, see the manual (Help) of MasterScope MISSION CRITICAL OPERATIONS.

[Before Starting Operation]-[Starting and Exiting the Manager or Agent Function]

10.4 Use procedure

When you import a scenario control definition by using a command with settings enabled, all the unused schedule definitions are deleted when the import is complete.

At this time, only schedule definitions created on the scenario control console or during command import are deleted.