



MasterSceop SystemManager G

Upgrade Guide



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Revision History

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1. Preface

This document is an upgrade guide for MasterScope SystemManager G (abbreviated as SystemManager G below).

Note in advance that this document may be changed without prior notice.

1.1 Conventions in this document

The following notation rules are applied in this document:

Notations related to notes and complement

Notation	Description
	Information that should be carefully read.
	Supplementary explanation in the body.

Notation related to reference

Notation	How to use	Example
" " Double quotation marks	Used for the document name or chapter or section title in the document.	See "Installation" in the "MasterScope Media Release Memo."
[] Square brackets	Used for the screen name (dialog box, window, and others).	[Product Installation Settings] dialog box
" " Double quotation marks	Text on the screen or in the document	Select "service 1" in the [Product Installation Settings] dialog box

1.2 About this document

SystemManager G is a product that integrates MasterScope MISSION CRITICAL OPERATIONS, MasterScope SystemManager, MasterScope Application Navigator, and MasterScope OperationsNavigator.

This document describes the configuration, upgrade workflow, and notes when upgrading MasterScope MISSION CRITICAL OPERATIONS, MasterScope SystemManager, or MasterScope Application Navigator to SystemManager G.

MasterScope OperationsNavigator

This document does not cover how to upgrade MasterScope OperationsNavigator. Please contact the support center.

1.2.1 Structure of this document

This document has the following structure.

- 2. Considering Upgrade

This chapter provides information you should read first when considering the upgrade to SystemManager G. The product versions covered in this document and supported configuration are shown.

- 3. Each Step of the Upgrade Procedure

This chapter describes the work required to upgrade an existing product to SystemManager G. This document does not show each specific procedure. This document describes notes on the upgrade to SystemManager G, introducing the document that describes the procedures.

- 4. Upgrade Procedures

This chapter describes how to upgrade the manager, agent, and console. It is assumed that you perform the procedure suitable for your environment.

- 5. Notes on upgrading

This chapter describes changes made between versions and other points to be noted on upgrading.

- 6. Remarks

This chapter describes other information and reference information from this document.

1.3 Terminology

The following terms are used in this document:

Terms related to product names

Term	Description
SystemManager G	Stands for MasterScope SystemManager G.
MISSION CRITICAL OPERATIONS	Stands for MasterScope MISSION CRITICAL OPERATIONS.
SystemManager	Stands for MasterScope SystemManager.
Application Navigator	Stands for MasterScope Application Navigator.
OperationsNavigator	Stands for MasterScope OperationsNavigator.
Old product	<p>Refers to the group of the following products provided before integration into SystemManager G that are to be upgraded this time.</p> <ul style="list-style-type: none"> • MISSION CRITICAL OPERATIONS • SystemManager • Application Navigator • OperationsNavigator <p> OperationsNavigator is not included because this document only applies to MISSION CRITICAL OPERATIONS, SystemManager, and Application Navigator.</p>

Terms related to function names

Term	Description
Agent	Function to notify the manager of information collected by each function.
Manager	Function to integrate and manage information collected by agents.
Console (view), view	Console to display information collected in the manager and issue commands to the server.
Upper-level manager	Manager that centrally monitors lower-level managers in the manager hierarchical structure.
Lower-level manager	Links with the upper-level manager in the manager hierarchical structure and notifies the upper-level manager of collected messages and performance information.

Terms related to product operations

Term	Description
Installation overwriting the existing product	Refers to the operation to install the product in the same directory in the environment where SystemManager G or old product is installed. This operation is used to upgrade the existing environment. In this document, this term means "installing SystemManager G overwriting an old product."
New installation	Refers to the operation to newly install SystemManager G in the environment where SystemManager G or old product is not installed.

1.4 Related documents

This is a list of documents referenced from this document. Refer to them with this document.

Document title	Description
MasterScope Media Release Memo	Release memo for MasterScope Media that contains SystemManager G and other products. This document describes how to install and uninstall the products in MasterScope Media and other details.
MasterScope SystemManager G Release Memo	Release memo for SystemManager G. This document describes the versions of OS supported by SystemManager G and other information such as notes and restrictions.
MasterScope SystemManager G Manual	Manual for SystemManager G. This document describes details such as how to set up each function and how to run commands in SystemManager G.

-  In particular, if it is necessary to see documents for old products before upgrade, it is clarified that the description applies to old versions or products.

2. Considering Upgrade

This chapter describes the items that must be considered before upgrade.

2.1 Products to be upgraded

The following products and versions to be upgraded are described in this document.

Product name	Product version	MasterScope Media that contains the relevant version
MISSION CRITICAL OPERATIONS	3.4.1 or later	7.1
SystemManager	5.3.1 or later	7.1
Application Navigator	3.0.2 or later	7.1

The procedure for upgrading a version older than the product version or MasterScope Media version in the above table to SystemManager G is different and not described in this document.

If you consider upgrading such a version, contact the support center.

2.2 Configuration after upgrade

Configuration after upgrade may not be supported depending on the procedure for upgrading to SystemManager G.

This section describes whether the configuration is supported in each case between the manager and the console or between the manager and the agent and notes when installing SystemManager G overwriting the manager and when newly installing SystemManager G.

Hereafter, the following images are used to represent configurations.

Used image	Description
	<p>The blue rectangle indicates that SystemManager G was newly installed. There are "SystemManager G" on the first line and the function name on the second line.</p>
	<p>The orange rectangle indicates that SystemManager G was installed overwriting the old product environment. There are "SystemManager G" on the first line and the function name on the second line.</p>

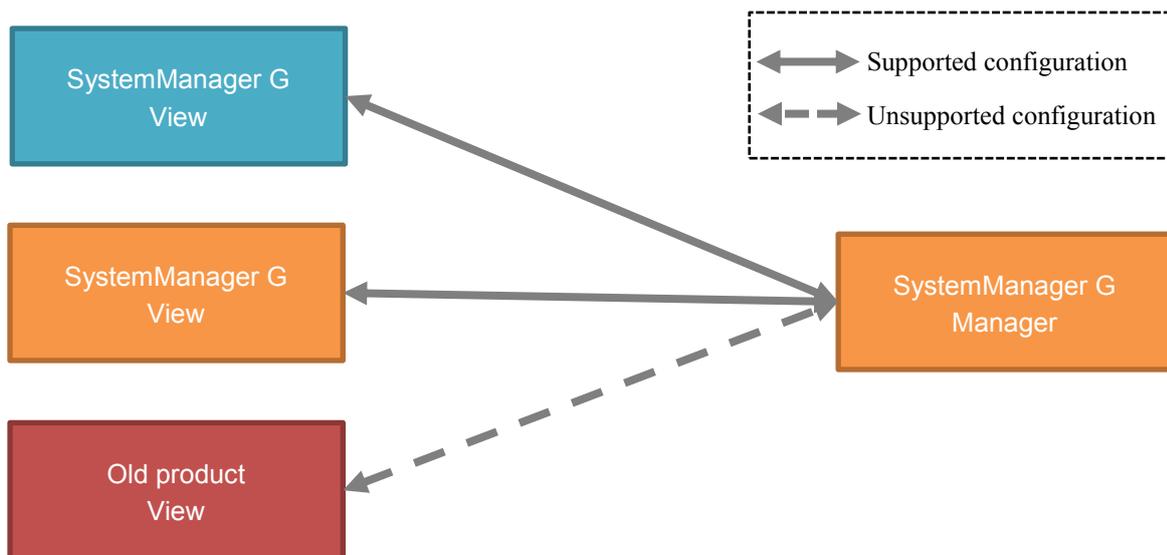
Used image	Description
	<p>The red rectangle indicates that the old product is not upgraded.</p> <p>There are the old product name ("old product" if a product is not specified) on the first line and the function name on the second line.</p>

2.2.1 When installing SystemManager G overwriting the manager

This section describes whether each configuration is supported when installing SystemManager G overwriting the manager in the old product.

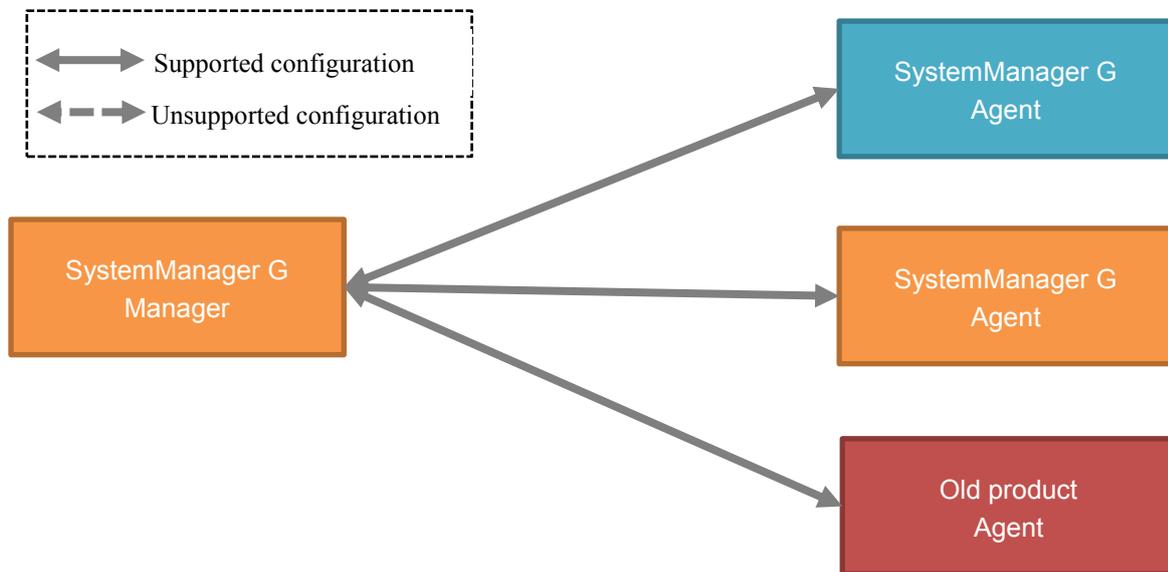
(1) Between manager and console

Configuration consisting of the manager in SystemManager G and the console in the old product is not supported. Match the version of the console to that of the manager. Be sure to upgrade the console to SystemManager G.



(2) Between manager and agent

Configuration consisting of the manager installed overwriting the existing one and the agent in any case is supported.



⚠ When using service operation monitoring (former Application Navigator Probe option)

When the service operation monitoring function is used, configuration consisting of the manager in SystemManager G and the probe agent in the old product is not supported. Upgrade the probe agent to SystemManager G.

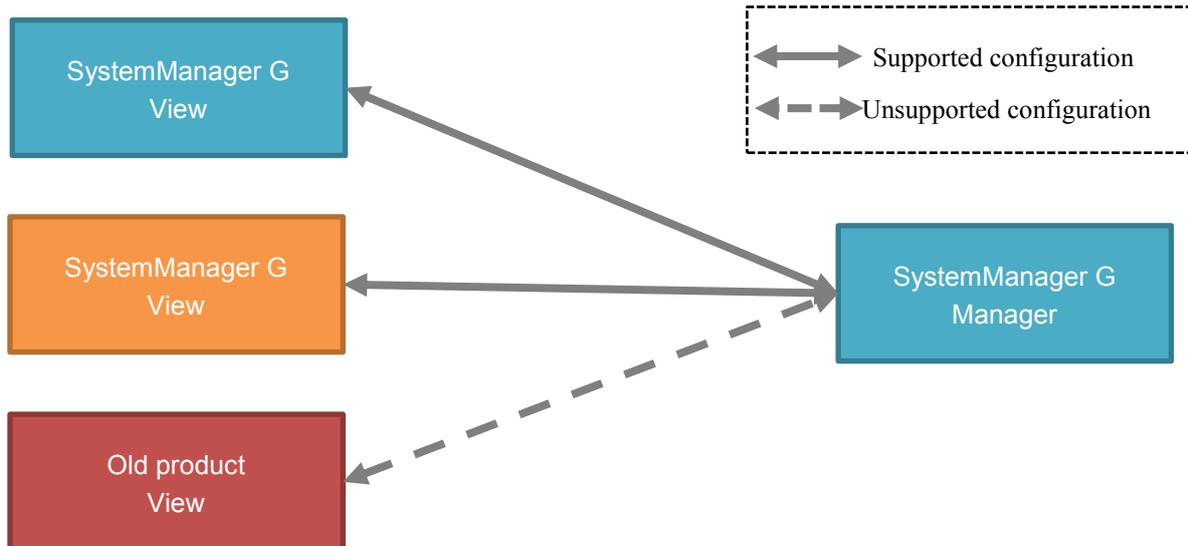
2.2.2 When newly installing the manager

This section describes whether each combination is supported when connecting each agent to the manager in newly installed SystemManager G.

(1) Between manager and console

Configuration consisting of the manager in SystemManager G and the console in the old product is not supported.

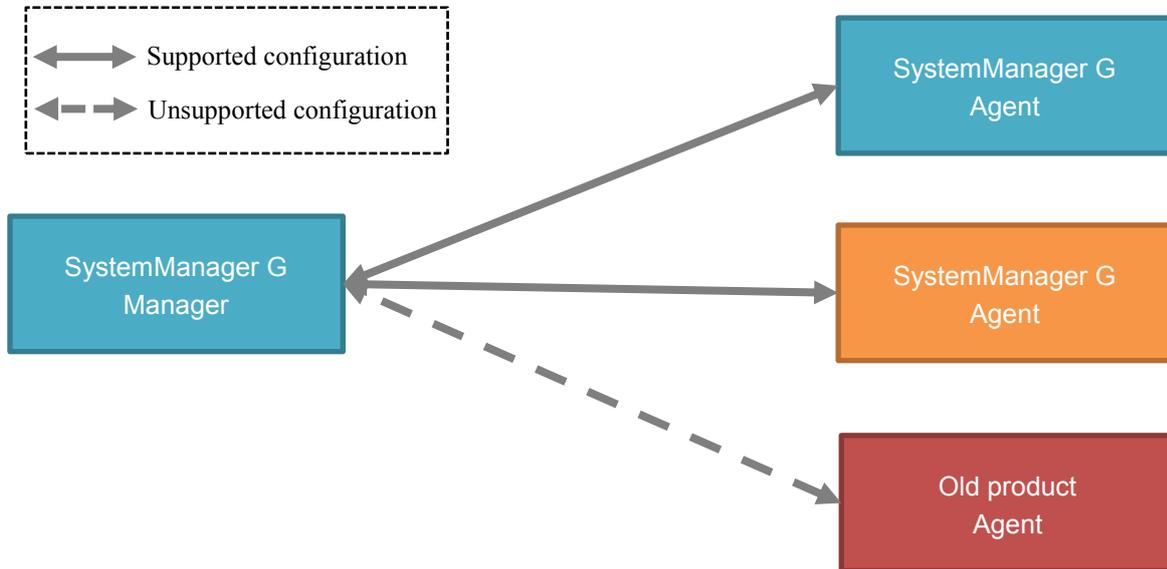
Match the version of the console to that of the manager. Be sure to upgrade the console to SystemManager G.



(2) Between manager and agent

Connection between the manager in newly installed SystemManager G and the agent in the old product is not supported.

Create a supported configuration by performing one of the operations described below.



■ Installing SystemManager G overwriting the manager

A supported configuration can be created by upgrading the manager overwriting the old product.

If old products are not installed in the environment where the manager in SystemManager G will be installed, first install the manager in the old product and install the manager in SystemManager G, overwriting it.

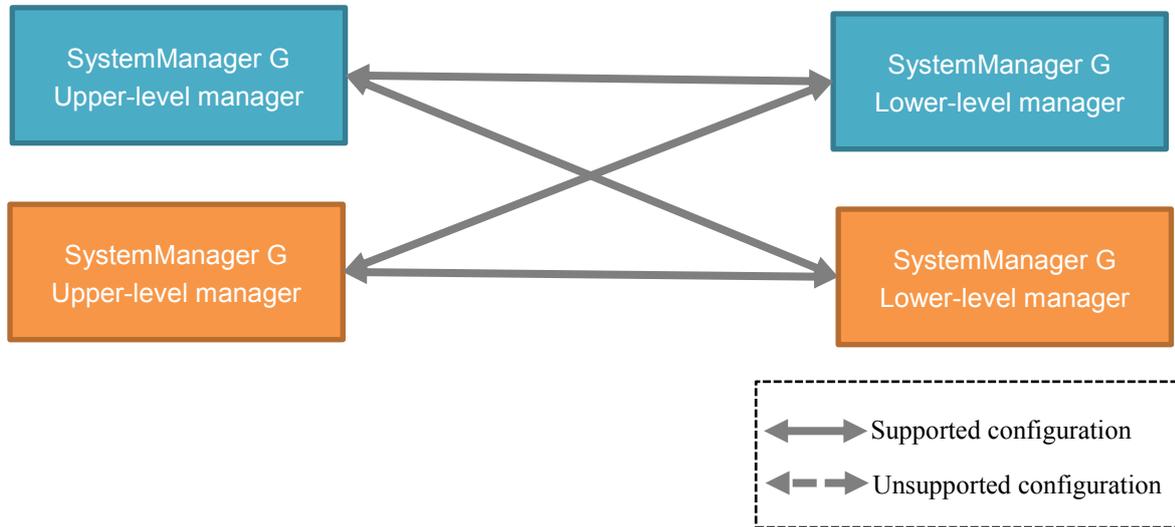
- The old product installed at this time must correspond to the agent. Install the product with the same product configuration as that of the currently used manager.

■ Installing SystemManager G overwriting the agent

Consider upgrading the agent to SystemManager G.

2.2.3 When using the manager hierarchical structure

In the manager hierarchical structure, the upper-level manager and the lower-level manager must be upgraded to SystemManager G regardless of whether SystemManager G is installed overwriting the old product or newly installed. Relationships between the upper-level manager and the lower-level manager connected by arrows in the figure below are supported.



2.3 Functions deprecated in SystemManager G

The following functions are deprecated in SystemManager G.

Old product name	Function name
Application Navigator	Application performance monitoring: Exchange monitoring function
Application Navigator	Application performance monitoring: SAP monitoring function *UNIX version only
Application Navigator	Function to link with the MISSION CRITICAL OPERATIONS (Ver2.x) manager
Application Navigator	Introscope linkage function
MISSION CRITICAL OPERATIONS	EXPRESSCLUSTER monitoring function
MISSION CRITICAL OPERATIONS	SigmaSystemCenter linkage function

! The deprecated functions cannot be used in the SystemManager G environment. If you want to continue to use these functions in the SystemManager G environment, contact the support center.

3. Each Step of the Upgrade Procedure

This chapter describes each step performed for upgrade.

Reference to each document that describes the relevant work and points to be noted on the upgrade to SystemManager G are provided.

3.1 Starting and shutting down the functions

For details about how to start or shut down the manager, agent, or console, see "MasterScope SystemManager G Manual."

[Before Starting Operation]-[Starting and Shutting Down Manager and Agent Functions]

[Before Starting Operation]-[Opening and Closing the Monitoring Screen]

[Before Starting Operation]-[Opening and Closing the Web Monitoring Screen] (*when using the Web monitoring screen)

3.2 Installing SystemManager G

Use the installer in MasterScope Media to upgrade to SystemManager G.

This section describes the procedures when newly installing SystemManager G and when installing SystemManager G overwriting the existing product.

3.2.1 New installation

To newly install SystemManager G, install each function of SystemManager G with the procedure described in "Installation" in the "MasterScope Media Release Memo."

3.2.2 Installation overwriting the existing product

To install SystemManager G overwriting the existing product, install each function of SystemManager G with the procedure described in "Installation" in the "MasterScope Media Release Memo."

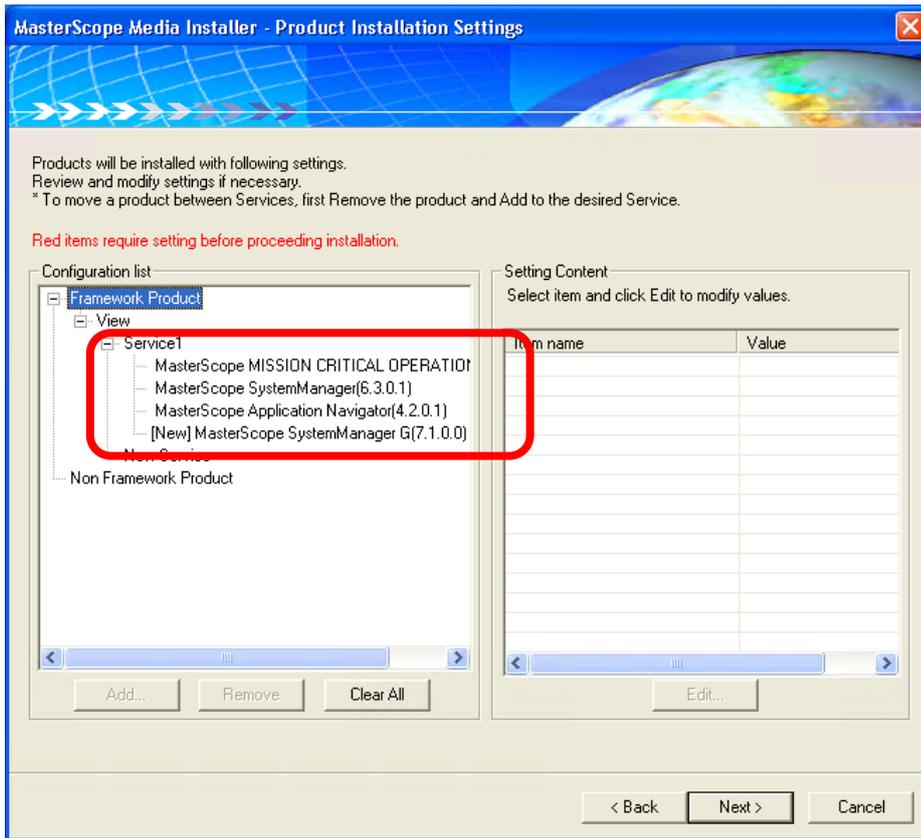


Product names displayed in the [Product Installation Settings] dialog box

When you install SystemManager G overwriting the existing product, the list of old products already installed is displayed with "MasterScope SystemManager G" added. This is normal display. Continue the installation work.

3.3 Backing up and restoring old products

Back up the manager in the old product before starting the upgrade work. This is a required procedure because you need to restore the old product if a problem occurs during or after the upgrade.



3.3.1 Backup

The manager can be backed up by using a command or copying files. Select the backup procedure suitable for your environment.

Types and features of backup

Backup type	State of manager during backup	Information that can be backed up
Backup by using a command	The manager must be operating.	<ul style="list-style-type: none"> • Definition data only
Backup by copying files	The manager must be stopped.	<ul style="list-style-type: none"> • Definition data • Collected data

- ! It may take time to back up the manager by copying files, depending on the amount of collected data accumulated on the manager.

(1) Backup by using a command

For details about how to back up the manager by using a command, see the following page in "MasterScope SystemManager G Manual."

[Command Reference]-[Backup/restoration functions]-[Backup command]

(2) Backup by copying files

For details about how to back up the manager by using a command, see the following page in "MasterScope SystemManager G Manual."

[Maintenance]-[Backup]

3.3.2 Restoration

The manager can be restored with two procedures as with the backup procedure. Restore the manager with the procedure corresponding to the backup procedure you used.

Types and features of restoration

Restoration type	State of manager during restoration	Corresponding backup procedure
Restoration by using a command	The manager must be stopped.	Backup by using a command
Restoration by copying files	The manager must be stopped.	Backup by copying files

(1) Restoration by using a command

For details about restoration of the manager, see the following page in "MasterScope SystemManager G Manual."

[Command Reference]-[Backup/restoration functions]-[Restoration command]

(2) Restoration by copying files

For details about how to restore the manager by using a command, see the following page in "MasterScope SystemManager G Manual."

[Maintenance]-[Backup]

3.4 Registering a license

It is necessary to register the license of SystemManager G after the upgrade to SystemManager G.

3.4.1 Obtaining a license

After applying for upgrade based on the maintenance contract, you receive the license of SystemManager G corresponding to your old product model number. Register the received license after the upgrade to SystemManager G.



You must purchase a new model number of SystemManager G if you do not have the maintenance contract for the model number you want to upgrade.

3.4.2 Registering a license

For details about license registration, see the following page in "MasterScope SystemManager G Manual."

[Register a license]-[Registering a license key]

[Register a license]-[Registering a code word]



When using LicenseCmd, note that the specifications are changed as of SystemManager G. For details, see "6.2 Changes to the license system and the specifications of LicenseCmd" in this document.

4. Upgrade Procedures

This chapter describes how to upgrade each function.

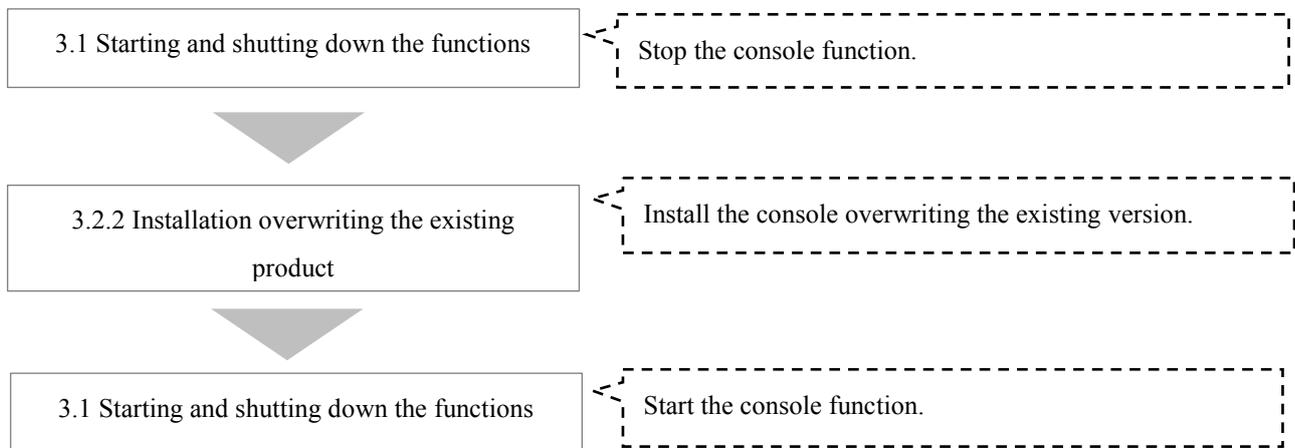
4.1 Procedure for upgrading the console

4.1.1 Upgrade on the same server

When upgrading the console on the same server, install SystemManager G overwriting the existing version.

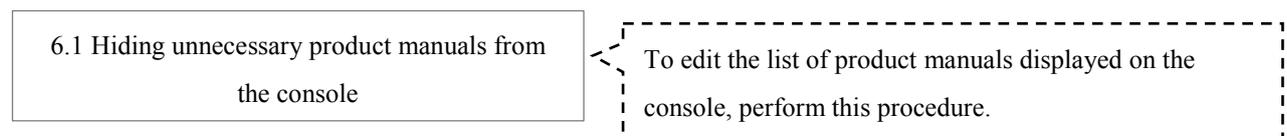
Perform the upgrade work with the following procedure.

■ Upgrade procedure



This completes the console upgrade work. Perform the following additional procedure as needed.

■ Additional procedure

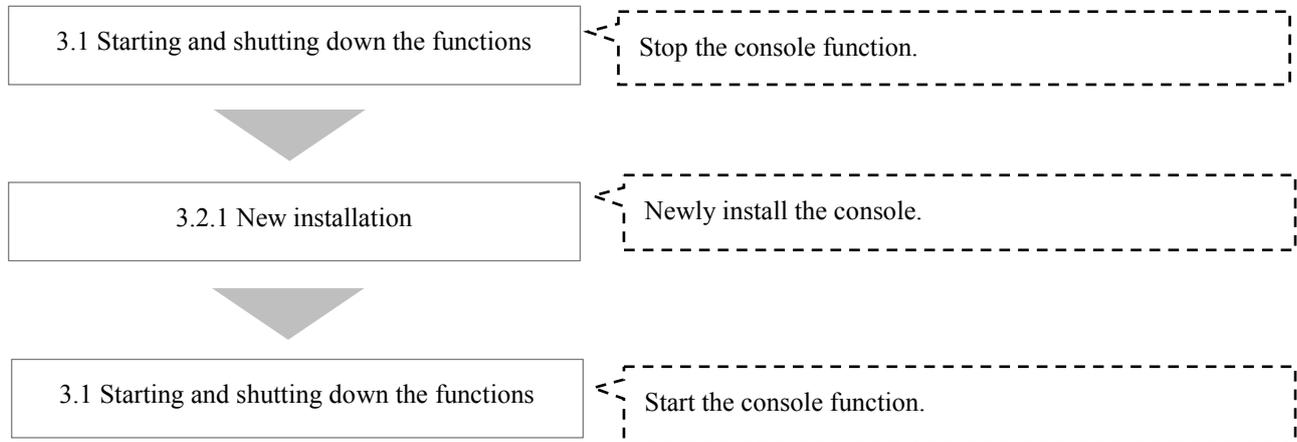


4.1.2 Upgrade to a different server

When upgrading SystemManager G on a different server, newly install SystemManager G.

Perform the upgrade work with the following procedure.

■ Upgrade procedure



This completes the console upgrade work.

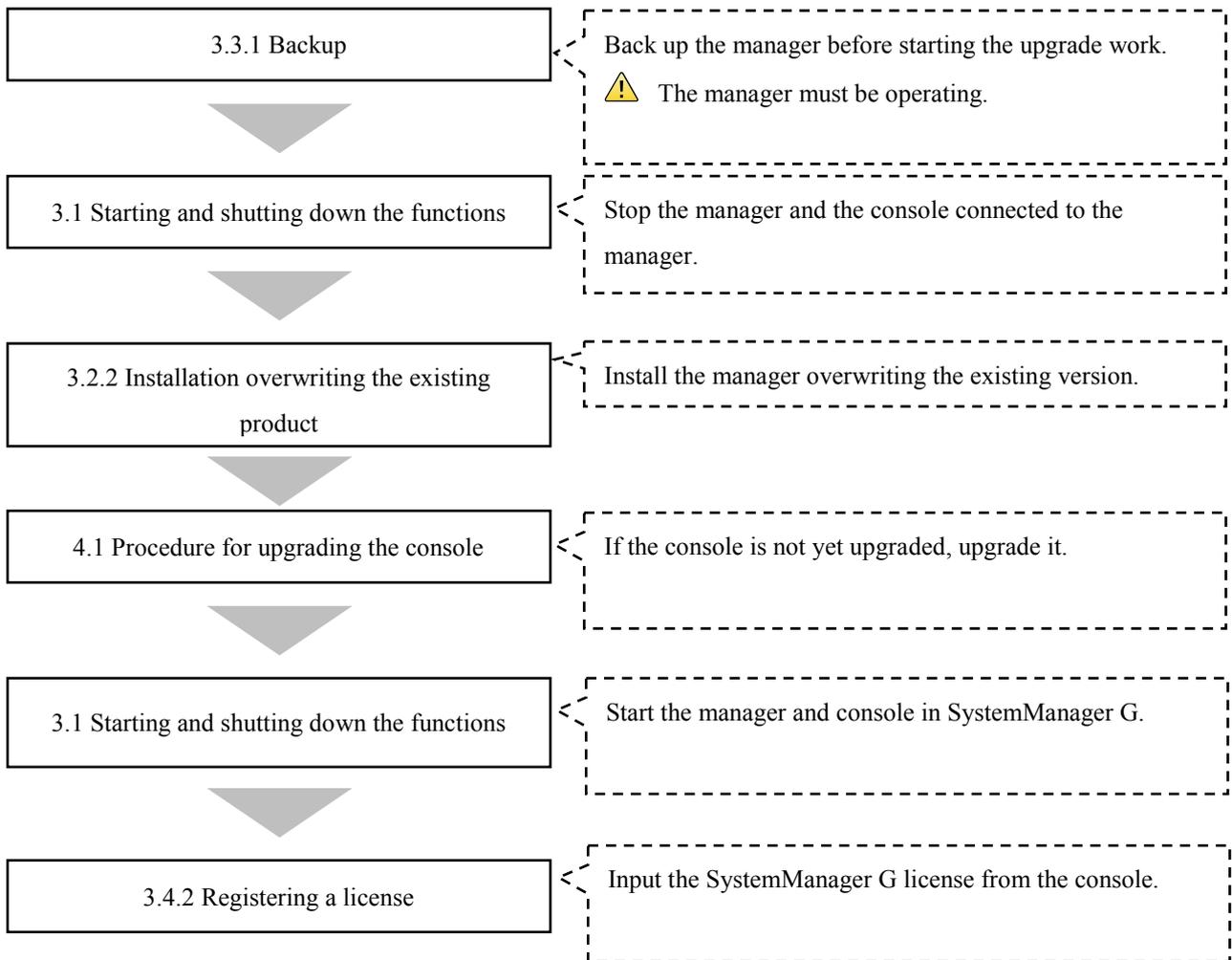
4.2 Procedure for upgrading the manager

4.2.1 Upgrade on the same server

When upgrading the manager on the same server, install SystemManager G overwriting the existing version.

Perform upgrade with the following procedure.

■ Upgrade procedure



This completes the manager upgrade work.

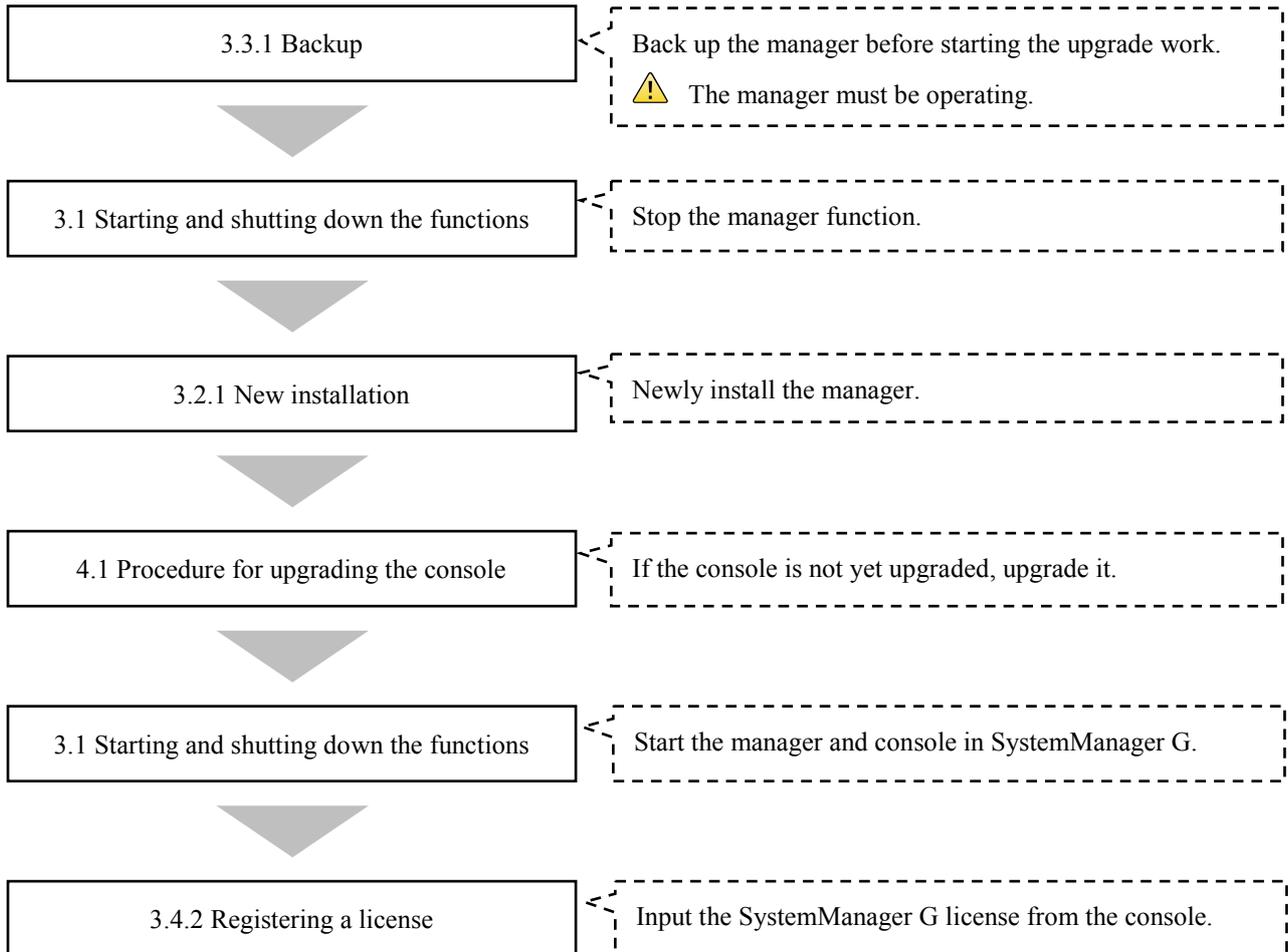
4.2.2 Upgrade to a different server

When upgrading the manager on a different server, you may newly install SystemManager G or install SystemManager G overwriting the existing version, depending on the case described in "2.2 Configuration after upgrade."

This section describes the procedure in each case.

(1) Newly installing SystemManager G

■ Upgrade procedure

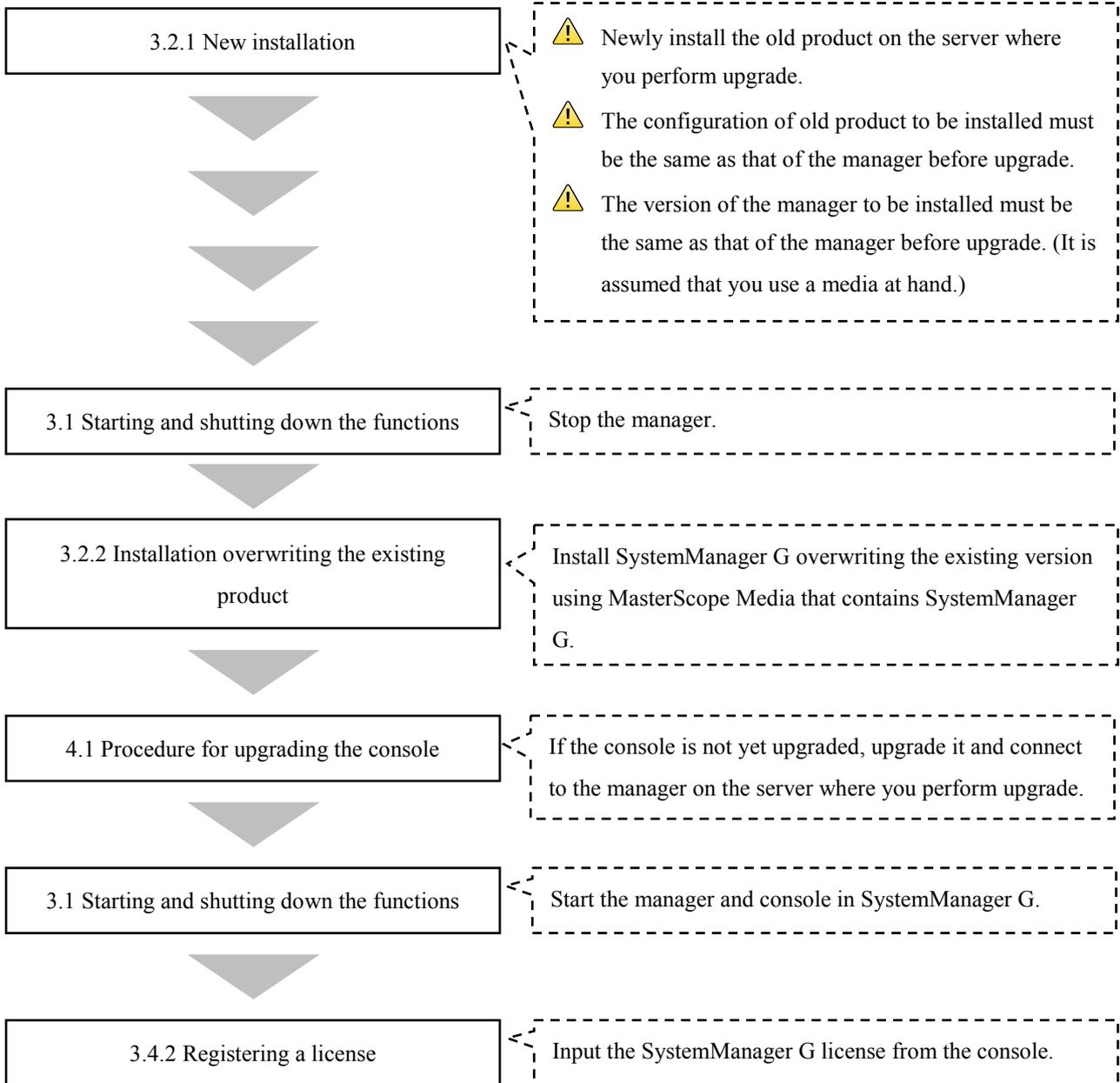


This completes the manager upgrade work.

(2) Installing SystemManager G overwriting the existing version

Perform the following procedure on the server where you perform upgrade.

■ Upgrade procedure



This completes the manager upgrade work.

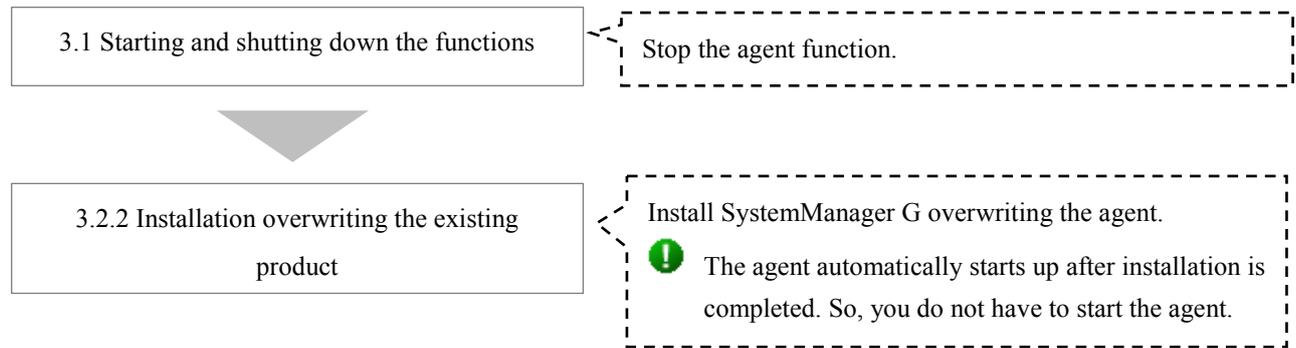
4.3 Procedure for upgrading the agent

4.3.1 Upgrade on the same server

When upgrading the agent on the same server, install SystemManager G overwriting the existing version.

Perform the upgrade work with the following procedure.

■ Upgrade procedure



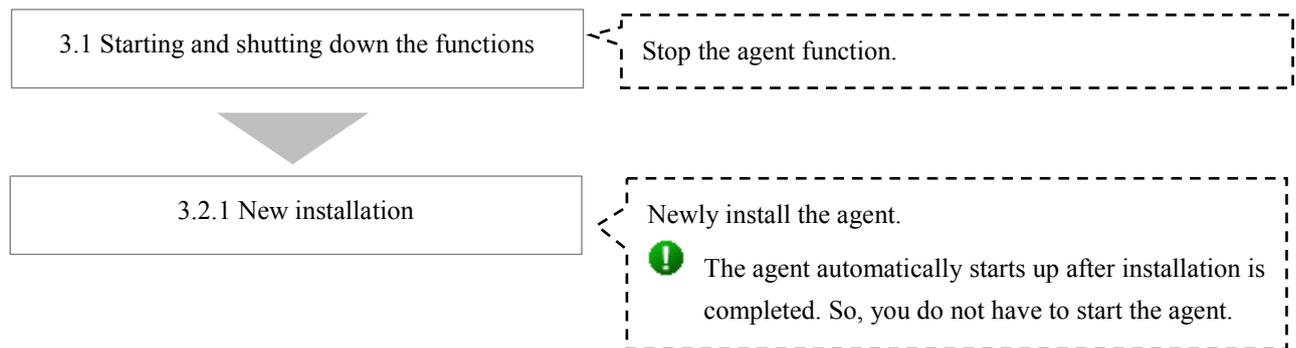
This completes the agent upgrade work.

4.3.2 Upgrade to a different server

When upgrading the agent on a different server, newly install SystemManager G.

Perform the upgrade work with the following procedure.

■ Upgrade procedure



5. Notes on upgrading

This chapter describes notes on upgrading.

Common notes on upgrading and individual notes when upgrading each target product are provided. Check common notes and notes on the product you upgrade.



Example: To upgrade the environment where MISSION CRITICAL OPERATIONS and Application Navigator are installed in the same directory, see the following sections in this document.

- 5.1 Notes on upgrading (common to all the products)
- 5.2 Notes when upgrading Application Navigator
- 5.3 Notes when upgrading

5.1 Notes on upgrading (common to all the products)

- The service settings are initialized when SystemManager G is installed overwriting the existing version. Specifically, the service startup type is reset to "Auto" in Windows while the rc script is registered again in UNIX. Reconfigure the settings if you changed the default service settings in the cluster or other environment.
- When SystemManager G is installed overwriting the existing version, user-customizable files retain existing settings, and therefore, are not replaced. However, some files are updated as a result of installation. Therefore, you must take some action such as saving customized files under different names. For details, see "Files not updated by installation overwriting the existing version" in the "MasterScope SystemManager G Release Memo."
- When SystemManager G is installed overwriting the existing version, the knowledge files updated or added by upgrade are not automatically imported. Manually create a category and import them. For details, see "Knowledge configuration" in "MasterScope SystemManager G Release Memo."

5.2 Notes when upgrading Application Navigator

This section describes notes when upgrading each version of Application Navigator. Notes are described from the older version. So, check all the sections after the section on the version to be upgraded.

5.2.1 Notes when upgrading Ver 3.0.2 to Ver 3.1.0

- In the SAP monitoring function, the monitoring interval has been changed from 30 seconds to 60 seconds for SAP syslog monitoring.
 - There is no corresponding action.

5.2.2 Notes when upgrading Ver 3.1.0 to Ver 3.1.3 to Ver 3.2.0

- In the WebLogic server monitoring function, the formulas of the ExecuteThreadIdleRate(%) and ExecuteThreads counters of the Thread instance have been changed as follows:

- ExecuteThreadIdleRate(%)
ExecuteThreadIdleCount / (ExecuteThreadTotalCount - StandbyThreadCount) * 100
- ExecuteThreads
ExecuteThreadTotalCount - (StandbyThreadCount + ExecuteThreadIdleCount)
- ✧ There is no corresponding action.

5.2.3 Notes when upgrading Ver 3.2.0 to Ver 3.2.1 to Ver 3.2.2

- In some UNIX agents, the default performance data acquisition method has been changed from the momentary value mode to the average value mode. For details, see "Default values of performance data acquisition method for UNIX agent" in "MasterScope SystemManager G Release Memo."
- How to change the default performance data acquisition method is also described in the above document.

5.2.4 Notes when upgrading Ver 3.2.2 to Ver 3.3.0 to Ver 3.3.1

- In the SAP monitoring function, the default SAP system log monitoring interface has been changed from XAL to XMB.
- For details about how to change the interface, see the following page in "MasterScope SystemManager G Manual."
[Monitoring applications]-[Monitoring SAP]-[Monitoring and operating the SAP system log]-[Changing the interface]

5.2.5 Notes when upgrading Ver 3.3.1 to Ver 3.3.2

- In the syslog monitoring function in the Linux agent, the backup file specification pattern has been changed depending on the version of logrotate. For details, see "■ Backup file" in "Changing the syslog monitoring specifications" in "MasterScope SystemManager G Release Memo."
- Effects during upgrade are also described in the above document.

5.2.6 Notes when upgrading Ver 3.3.2 to Ver 4.0.0 to Ver 4.0.1

- In the performance monitoring function, the configuration under the Processor object has been changed for UNIX agents with single processor core. For details, see "Changing the performance monitoring specifications" in "MasterScope SystemManager G Release Memo."
- Effects during upgrade are also described in the above document.
- In Ver 4.0.1 or later, the default values of monitoring timeout, the number of threads and some other parameters have been changed to simplify the operation of monitoring agent. For details, see "Upgrading the agent to Ver 4.0.1 or later" in "MasterScope SystemManager G Release Memo."
- Effects during upgrade are also described in the above document.
- In Ver 4.0.1 or later, the specifications of Oracle monitoring have been changed to call stored procedures. For details, see "Upgrading the Oracle monitoring agent" in "MasterScope SystemManager G Release Memo."
- Effects during upgrade and necessary work are also described in the above document.

5.2.7 Notes when upgrading Ver 4.0.1 to Ver 4.1.1

- To upgrade an agent in which the LogicalDisk object in performance monitoring is specified to be monitored to Ver4.1.1 or later in a Red Hat Enterprise Linux 7 environment, see "Upgrading the agent from Ver 4.1.0.2" in "MasterScope SystemManager G Release Memo."
- The contents of the audit log that is output when the agent monitoring definition is imported from the console have been changed. For details about new messages, see "Changes to audit logs when the agent monitoring definition is imported from the console" in "MasterScope SystemManager G Release Memo."
 - There is no corresponding action.
- The contents of the audit log that is output when the schedule definition and calendar definitions are imported from the console have been changed. For details about new messages, see "Changes to audit logs when the schedule/calendar definition is imported from the console" in "MasterScope SystemManager G Release Memo."
 - There is no corresponding action.

5.2.8 Notes when upgrading Ver 4.1.1 to Ver 4.1.2

- For Web scenario monitoring in the service operation monitoring function, the HTTP error status is displayed when the server returns an error message if pattern match/pattern unmatched fails.
 - There is no corresponding action.

5.2.9 Notes when upgrading Ver 4.1.2 to Ver 4.2.2 to SystemManager G

- "Default Filter" defined to filter all the logs saved in syslog in the Linux agent (the Linux remote host for the agentless monitoring) is no longer set at new installation.
 - There is no corresponding action.
- "Default Filter" defined to filter all the logs saved in the event log in the Windows agent (the Windows remote host for the agentless monitoring) is no longer set at new installation.
 - There is no corresponding action.
- The agent and console license in LicenseCmd has been changed to be guarded. Be careful when registering the license after the upgrade. For details, see "6.2 Changes to the license system and the specifications of LicenseCmd."

5.3 Notes when upgrading MISSION CRITICAL OPERATIONS

This section describes notes when upgrading each version of MISSION CRITICAL OPERATIONS. Notes are described from the older version. So, check all the sections after the section on the version to be upgraded.

5.3.1 Notes when upgrading Ver 3.4.1 to Ver 3.6.1 to Ver 3.6.2

- In some UNIX agents, the default performance data acquisition method has been changed from the momentary value mode to the average value mode. For details, see "Default values of performance data acquisition method for UNIX agent" in "MasterScope SystemManager G Release Memo."
 - How to change the default performance data acquisition method is also described in the above document.

5.3.2 Notes when upgrading Ver 3.6.2 to Ver 3.7.0

- In the operation control function, the history of commands executed in Ver 3.6.2 or earlier cannot be searched after upgrade.
 - There is no corresponding action.

5.3.3 Notes when upgrading Ver 3.7.0 to Ver 3.7.1 to Ver 4.0.0

- In the configuration information collection function, how the Windows edition is displayed has been changed. For details, see "10) Displaying the Windows edition" and "11) Displaying the version information of Windows OS" in "Collection/display of configuration information" in "MasterScope SystemManager G Release Memo."
 - There is no corresponding action.

5.3.4 Notes when upgrading Ver 4.0.0 to Ver 4.0.2 to Ver 4.0.3

- In the configuration information collection function, the procedure for acquiring the distribution displayed as the Linux OS name and the procedure for displaying the Linux OS name have been changed. For details, see "12) Displaying the Linux OS name" in "Collection/display of configuration information" in "MasterScope SystemManager G Release Memo."
 - There is no corresponding action.

5.3.5 Notes when upgrading Ver 4.0.3 to Ver 4.1.0

- In the performance monitoring function, the configuration under the Processor object has been changed for UNIX agents with single processor core. For details, see "Changing the performance monitoring specifications" in "MasterScope SystemManager G Release Memo."
 - Effects during upgrade are also described in the above document.

5.3.6 Notes when upgrading Ver 4.1.0 to Ver 4.1.1 to Ver 4.1.2

- The specification has been changed so that the command execution is stopped when the number of counters exceeds 2000 when all of the counter data items are subjected to being obtained by PerformanceCmd MSCV. For details, see the following page in "MasterScope SystemManager G Manual."
[Command Reference]-[PerformanceCmd]-[PerformanceCmd MCSV]

- How to change the upper limit is described in the above document.

5.3.7 Notes when upgrading Ver 4.1.2 to Ver 4.1.3 to Ver 4.2.0

- If a manager is upgraded from the version prior to the version 4.2.0 of this product, the history before the upgrading cannot be referred to in the event correlation function. It is necessary to execute the conversion command in advance when referring to the history before the upgrade. For details about the conversion command, see the following page in "MasterScope SystemManager G Manual."
[Command Reference]-[EventCorrelationCmd]-[EventCorrelationCmd CNV]

5.3.8 Notes when upgrading Ver 4.2.0 to Ver 4.2.1

- The default connection timeout value for service port monitoring has been changed from one second to three seconds. For details, see "Changing the default connection timeout for service port monitoring" in "MasterScope SystemManager G Release Memo."
 - Effects during upgrade are also described in the above document.
- The contents of the audit log that is output when the agent monitoring definition is imported from the console have been changed. For details about new messages, see "Changes to audit logs when the agent monitoring definition is imported from the console" in "MasterScope SystemManager G Release Memo."
 - There is no corresponding action.
- The contents of the audit log that is output when the schedule definition and calendar definitions are imported from the console have been changed. For details about new messages, see "Changes to audit logs when the schedule/calendar definition is imported from the console" in "MasterScope SystemManager G Release Memo."
 - There is no corresponding action.

5.3.9 Notes when upgrading Ver 4.2.1 to Ver 4.3.1 to SystemManager G

- "Default Filter" defined to filter all the logs saved in syslog in the Linux agent (the Linux remote host for the agentless monitoring) is no longer set at new installation.
 - There is no corresponding action.
- "Default Filter" defined to filter all the logs saved in the event log in the Windows agent (the Windows remote host for the agentless monitoring) is no longer set at new installation.
 - There is no corresponding action.
- The agent and console license in LicenseCmd has been changed to be guarded. Be careful when registering the license after the upgrade. For details, see "6.2 Changes to the license system and the specifications of LicenseCmd."

5.4 Notes when upgrading SystemManager

This section describes notes when upgrading each version of SystemManager. Notes are described from the older version. So, check all the sections after the section on the version to be upgraded.

5.4.1 Notes when upgrading Ver 5.3.1 to Ver 5.5.1 to Ver 5.5.2

- In some UNIX agents, the default performance data acquisition method has been changed from the momentary value mode to the average value mode. For details, see "Default values of performance data acquisition method for UNIX agent" in "MasterScope SystemManager G Release Memo."
 - How to change the default performance data acquisition method is also described in the above document.

5.4.2 Notes when upgrading Ver 5.5.2 to Ver 5.6.1 to Ver 6.0.0

- In the configuration information collection function, how the Windows edition is displayed has been changed. For details, see "10) Displaying the Windows edition" and "11) Displaying the version information of Windows OS" in "Collection/display of configuration information" in "MasterScope SystemManager G Release Memo."
 - There is no corresponding action.

5.4.3 Notes when upgrading Ver 6.0.0 to Ver 6.0.2 to Ver 6.0.3

- In the configuration information collection function, the procedure for acquiring the distribution displayed as the Linux OS name and the procedure for displaying the Linux OS name have been changed. For details, see "12) Displaying the Linux OS name" in "Collection/display of configuration information" in "MasterScope SystemManager G Release Memo."
 - There is no corresponding action.
- In the performance monitoring function, the configuration under the Processor object has been changed for UNIX agents with single processor core. For details, see "Changing the performance monitoring specifications" in "MasterScope SystemManager G Release Memo."
 - Effects during upgrade are also described in the above document.

5.4.4 Notes when upgrading Ver 6.0.3 to Ver 6.2.0 to Ver 6.2.1

- The default connection timeout value for service port monitoring has been changed from one second to three seconds. For details, see "Changing the default connection timeout for service port monitoring" in "MasterScope SystemManager G Release Memo."
 - Effects during upgrade are also described in the above document.
- The contents of the audit log that is output when the agent monitoring definition is imported from the console have been changed. For details about new messages, see "Changes to audit logs when the agent monitoring definition is imported from the console" in "MasterScope SystemManager G Release Memo."
 - There is no corresponding action.
- The contents of the audit log that is output when the schedule definition and calendar definitions are imported from the console have been changed. For details about new messages, see "Changes to audit logs when the schedule/calendar definition is imported from the console" in "MasterScope SystemManager G Release Memo."

- There is no corresponding action.

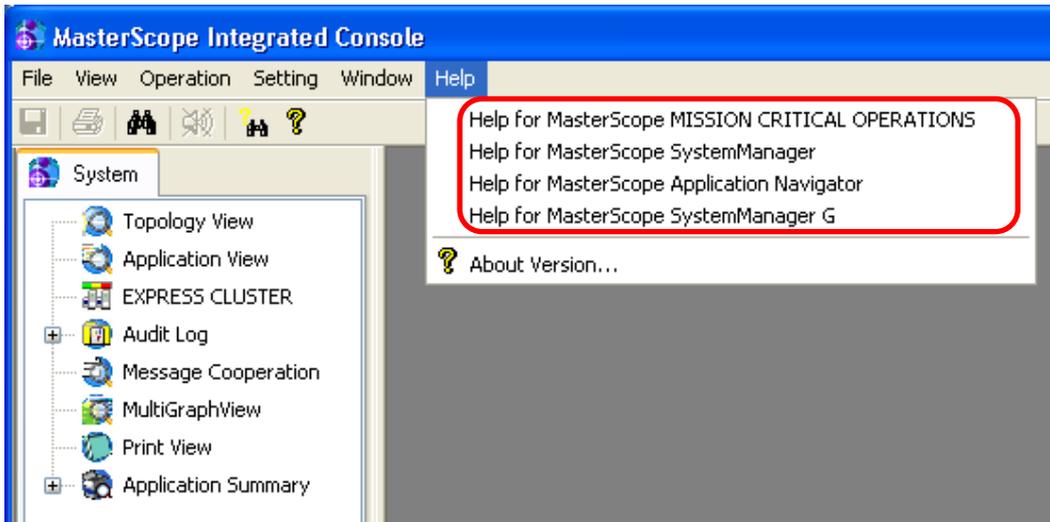
5.4.5 Notes when upgrading Ver 6.2.1 to Ver 6.3.1 to SystemManager G

- "Default Filter" defined to filter all the logs saved in syslog in the Linux agent (the Linux remote host for the agentless monitoring) is no longer set at new installation.
 - There is no corresponding action.
- "Default Filter" defined to filter all the logs saved in the event log in the Windows agent (the Windows remote host for the agentless monitoring) is no longer set at new installation.
 - There is no corresponding action.
- The agent and console license in LicenseCmd has been changed to be guarded. Be careful when registering the license after the upgrade. For details, see "6.2 Changes to the license system and the specifications of LicenseCmd."

6. Remarks

6.1 Hiding unnecessary product manuals from the console

When the console is installed overwriting the existing version, the product manuals of all the products installed in the same directory including SystemManager G are displayed on the [Help] menu on the console.



Unnecessary product manuals can be hidden with the following procedure.

1. Stop the console.
2. Check the file names of product manuals you want to hide from the following table.

Product name	File name of product manual
MISSION CRITICAL OPERATIONS	MISSION CRITICAL OPERATIONS.chm
SystemManager	SystemManager.chm
Application Navigator	ApplicaitonNavigator.chm
SystemManager G	SystemManagerG.chm

3. Edit the console configuration file.

File to be edited	<Console installation path>\Svc\sg\SysMonSvc.ini
Editing	Comment out the following line several lines below [ProductXXX] by adding # (pound) to the beginning of it. HelpFile=<console installation path> \Svc\bin\SystemManager.chm

4. Start the console.

■ Example of editing

To hide the product manuals of MISSION CRITICAL OPERATIONS and SystemManager when the product manuals of MISSION CRITICAL OPERATIONS, SystemManager, Application Navigator, and SystemManager G are displayed, edit as follows:

```
[Product]
MaxProduct=4
HelpFile=MISSION CRITICAL OPERATIONS.chm ←Do not edit this line.
(Snip) * Edit HelpFile below [ProductXXX].

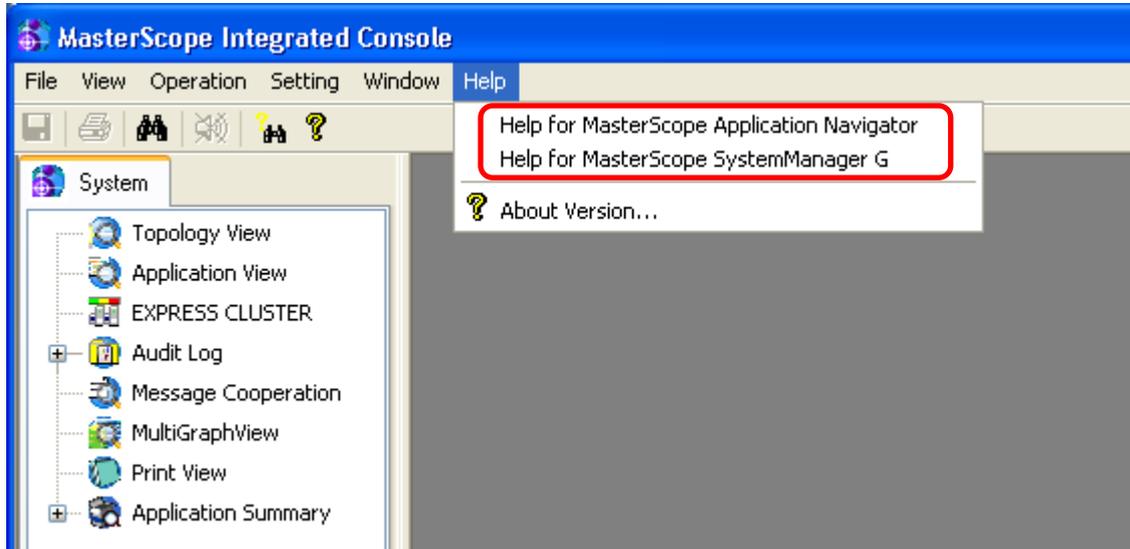
[Product001]
ProductID=4
DisplayName=WebSAM MISSION CRITICAL OPERATIONS
DisplayVersion=4.3.0.1
Copyright=Copyright (c)2007-2016 NEC Corporation.
#HelpFile=C:\Program Files\NEC\UMF\Operations\Svc\bin\MISSION CRITICAL
OPERATIONS.chm ←Add # (pound) to the beginning.
(Snip)

[Product002]
(Snip)
#HelpFile=C:\Program Files\NEC\UMF\Operations\Svc\bin\SystemManager.chm ←Add # (pound)
to the beginning.
(Snip)

[Product003]
(Snip)
HelpFile=C:\Program Files\NEC\UMF\Operations\Svc\bin\ApplicationNavigator.chm ←Do
not change the specification of the displayed product manual.
(Snip)

[Product004]
(Snip)
HelpFile=C:\Program Files\NEC\UMF\Operations\Svc\bin\SystemManagerG.chm ←Do not change
the specification of the displayed product manual.
(Snip)
```

When you edit SysMonSvc.ini and start the console, the product manuals of MISSION CRITICAL OPERATIONS and SystemManager are no longer displayed while the product manuals of Application Navigator and SystemManager G are displayed as in the figure below.



6.2 Changes to the license system and the specifications of LicenseCmd

As of SystemManager G, the license system was reviewed to simplify the license concept.

The license system was improved so that you only need one license for agent and console in the manager cluster configuration.

Reviewed license type	Details of change
Agent and agent option license	You no longer have to input the HA Option license.
Console license	You no longer have to input the license to the standby manager in the manager cluster environment.

The specifications of SystemManager G have been changed not to allow the user to register a license in the stopped manager from LicenseCmd, assuming that the agent license, agent option license, and console license are registered from the the console connected to the operating manager.

- Changes to operation of LicenseCmd

LicenseCmd is a command to register a license and code word in the stopped manager.

If you try to register the agent license, agent option license, or console license with LicenseCmd in SystemManager G, execution fails outputting the following error.

```
Invalid License Key! (Shared license)
```

Register the license key for which this error is output from the console connected to the operating manager.

(End of document)