

General Specifications

Model RS4E5170
Access Control and Operation
History Management Package

ProSafe-RS

GS 32P04D30-01EN

OVERVIEW

Access Control and Operation History Management Package is used to set the operation rights of engineers who operate the safety engineering station (SENG), as well as to record the operation history.

This software is an optional function of Automation Design Suite (AD Suite) to be used in combination with RS4E5100 Safety System Engineering and Maintenance Function.

FUNCTION SPECIFICATIONS

This software consists of Access Control function and Operation History Management function.

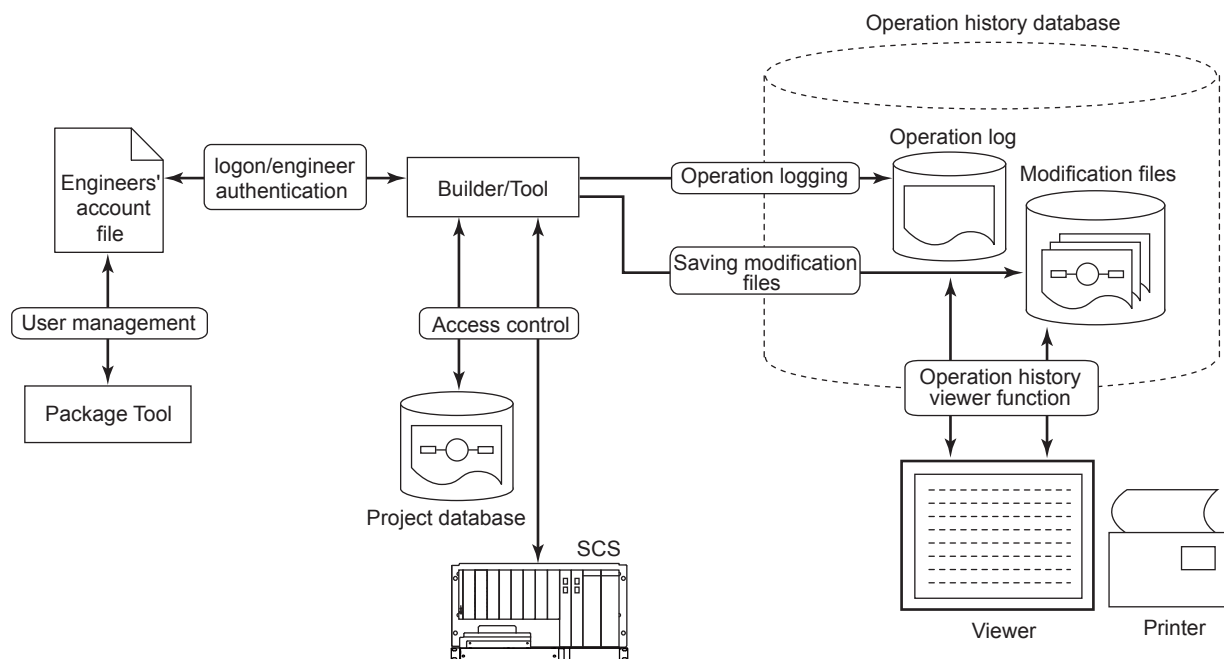
Access Control

This function is used to manage engineers who operate SENG. It is useful to prevent unauthorized engineers from manipulating project database and making unintended changes of safety control station (SCS). This is effective for enhancing security.

Operation History Management

This function is used to record the operation history of software on SENG. It allows an engineer to view the operation history; for example, who operated what, when, how, and why. The recorded operation history can be used for engineer job handover, and troubleshooting and analysis.

The following shows the positioning of access control and operation history management.



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Figure Positioning of Access Control and Operation History Management

Table Function of Access Control and Operation History Management

Category	Function	Description
Access Control	User management	This is used to register engineers.
	Logon/engineer authentication	This is used for SENG to authenticate engineers who start and operate builders and tools to perform engineering.
	Access control	This is used to set the operation rights for each engineer.
Operation History Management	Operation logging	This is used to save the operation history of changes made by the engineer.
	Saving modification files	This is used to save the information changed by the engineer.
	Operation history viewer	This is used to view and print the operation log and modification files.

● Specifying Access Rights

This function is used to specify the rights for engineers to operate the project database for each engineering procedure category.

The following shows the main categories.

- New project creation
- Application logic change
- Process data I/O addition, change, and deletion
- Inter-SCS safety communication setting
- Modbus communication function setting
- Off-line download
- Online change download
- Test function
- Diagnostic information message check

● Objects of Operation History Recording

The operation history of the following two objects is recorded.

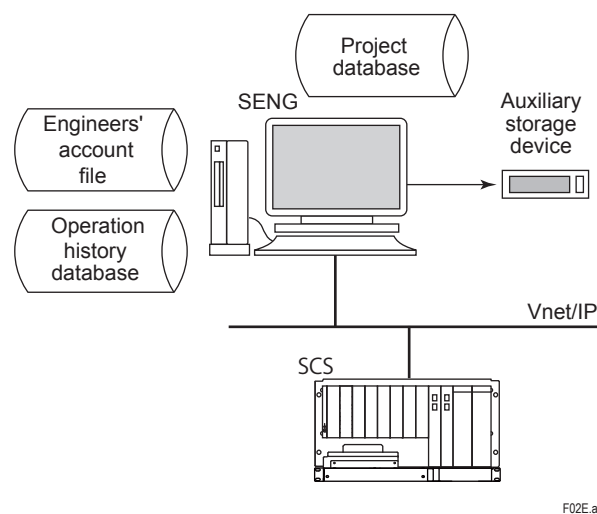
Operation log: This is information on operations performed by the engineer.

Modification files: This is information in the project database that was changed as a result of the operation of the engineer. The file is saved at the time when download operation is performed on the SCS.

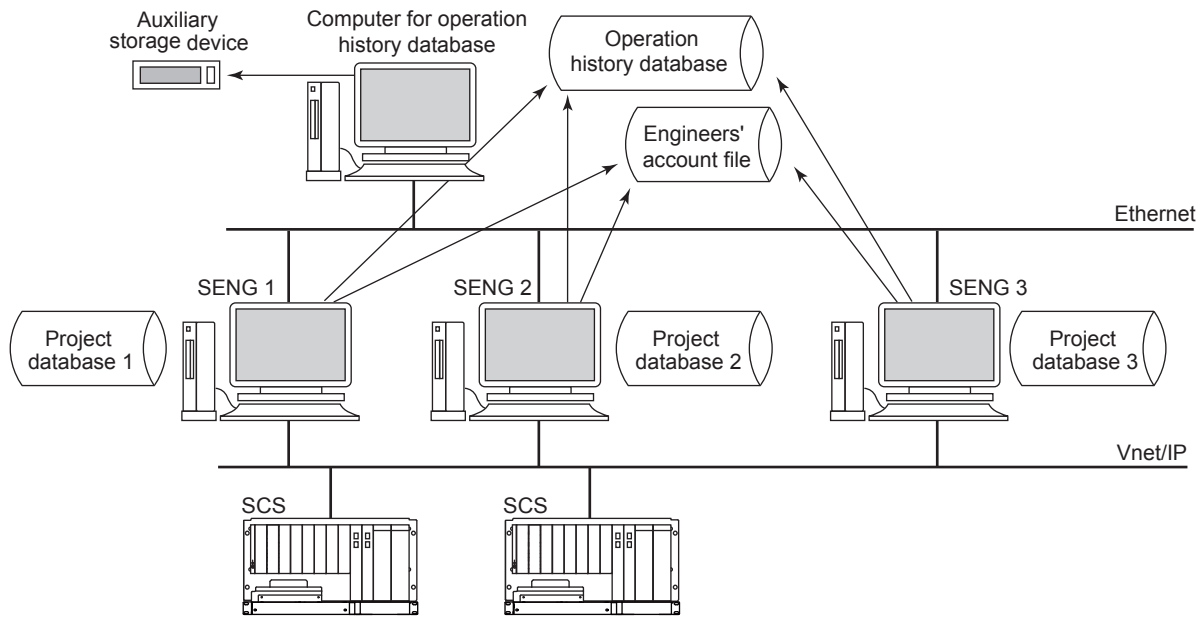
■ SYSTEM CONFIGURATION

The following shows examples of system configurations that use Access Control and Operation History Management Package.

Example of Minimum System Configuration

**Figure Minimum System Configuration**

Example of Multiple SENGs Configuration



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Figure Example of System Configuration to Perform Engineering Using Multiple SENGs

■ SYSTEM REQUIREMENTS

Refer to the GS "ProSafe-RS Safety Instrumented System Overview (for Vnet/IP)" (GS 32P01B10-01EN) or "ProSafe-RS Safety Instrumented System Overview (for Vnet/IP-Upstream)" (GS 32P01B30-01EN).

● Software Requirements

When five or more SENG access the computer where the operation history database is stored, use Windows Server OS for this computer.

When integrated with CENTUM VP, and when Windows Server OS is not installed on the computer where only the operation history database is stored, do not place the CENTUM VP project databases there.

"RS4E5170 Access Control and Operation History Management Package" and "RS4F5100 Safety System Engineering and Maintenance Function" are not required for a computer where only the operation history database is stored.

● Hardware Requirements

60 GB or more of hard disk space is recommended for a computer where the history management database is placed. In addition, it is recommended to use an auxiliary storage device to back up the history management database.

■ MODELS AND SUFFIX CODES

		Description
Model	RS4E5170	Access Control and Operation History Management Package
Suffix Codes	-V	Software license
	1	Always 1
	1	English version

■ ORDERING INFORMATION

Specify the model and suffix code(s).

■ TRADEMARKS

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