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KONE Elevator System Integration for C•CURE 9000

User Guide

Version 3.00

Access Control and Event Management

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Johnson Controls

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Preface

The C•CURE KONE Elevator System Integration Guide is for new and experienced security system users who want to learn to use this product for the C•CURE 9000 Security Management System.

In this preface

How to Use this Manual

This manual contains chapters that provide the following information about the C•CURE something-something.

Chapter 1: Introduction

This chapter introduces the KONE Elevator Integration software that provides integration between KONE Elevator System and C•CURE 9000.

Chapter 2: Installation

This chapter provides the instructions to install the KONE Integration software on a server or client system.

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This chapter describes the C•CURE 9000 Monitoring Station Activity Viewer and also provides the procedure to cancel KONE manual actions.

Chapter 14: Journal and Audit Messages

This chapter discusses the Journal and the Audit messages and how to locate them.

Chapter 15: Troubleshooting

This chapter helps to resolve problems you may encounter with C•CURE 9000 KONE Elevator Integration.

Appendix A: Third-Party Copyright, Trademarks and License Information

This appendix contains the third-part copyright, trademarks and license information.

Appendix B: Cache Loading Time and Card Swipe Dispatch Time

This appendix contains the information about the time taken to load cache and the Card Swipe Dispatch Time.

Finding More Information

You can access C•CURE 9000 manuals and online Help for more information about C•CURE 9000.

Manuals

C•CURE 9000 software manuals and Software House hardware manuals are available in Adobe PDF format on the C•CURE 9000 DVD.

You can access the manuals if you copy the appropriate PDF files from the C•CURE 9000 Installation DVD English\Manuals folder and install the Adobe Acrobat reader. Adobe Acrobat Reader can be installed from the C•CURE 9000 Installation DVD English\Reader folder.

The available C•CURE 9000 and Software House manuals are listed in the *C•CURE 9000 Installation and Upgrade Guide*, and appear as hyperlinks in the online.pdf file on the C•CURE 9000 DVD English\Manuals folder.

These manuals are also available from the Software House Member Center website (http://www.swhouse.com/TechnicalLibrary/TechLibSW.aspx).

Online Help

You can access C•CURE 9000 Help by pressing F1 or clicking Help from the menu bar in the Administration/Monitoring Station applications.

Conventions

This manual uses the following text formats and symbols.

Convention	Meaning
Bold	This font indicates screen elements, and also indicates when you should take a direct action in a procedure. Bold font describes one of the following items: • A command or character to type, or • A button or option on the screen to press, or • A key on the keyboard to press • A screen element or name
blue color text	Indicates a hyperlink to a URL, or a cross-reference to a figure, table, or section in this guide.
Regular italic font	Indicates a new term.
<text>	Indicates a variable.

The following items are used to indicate important information.

NOTE Indicates a note. Notes call attention to any item of information that may be of special importance.

TIP Indicates an alternate method of performing a task.

Indicates a caution. A caution contains information essential to avoid damage to the system. A caution can pertain to hardware or software.

Indicates a warning. A warning contains information that advises users that failure to avoid a specific action could result in physical harm to the user or to the hardware.

Indicates a danger. A danger contains information that users must know to avoid death or serious injury.

Software House Customer Support Center

Telephone Technical Support

During the period of the Agreement, the following guideline applies:

- Software House accepts service calls **only** from employees of the Systems Integrator of Record for the installation associated with the support inquiry.

Before Calling

Ensure that you:

- Are the Dealer of record for this account.
- Are certified by Software House for this product.
- Have a valid license and current Software Support Agreement (SSA) for the system.
- Have your system serial number available.
- Have your certification number available.

Hours	Normal Support Hours	Monday through Friday, 8:00 a.m. to 8:00 p.m., EST. Except holidays.
	Emergency Support Hours	24 hours/day, seven days a week, 365 days/year. Requires Enhanced SSA “7 x 24” Standby Telephone Support (emergency) provided to Certified Technicians. For all other customers, billable on time and materials basis. Minimum charges apply – See MSRP.
Phone	U.S. Puerto Rico U.S. Virgin Islands	+1-800-392-2873
	For other regions, see http://www.swhouse.com/support/contact_technical_support.aspx.	

1

Introduction

This chapter introduces the KONE Elevator Integration software that provides integration between KONE Elevator System and C•CURE 9000.

In this chapter:

KONE Elevator Integration Overview

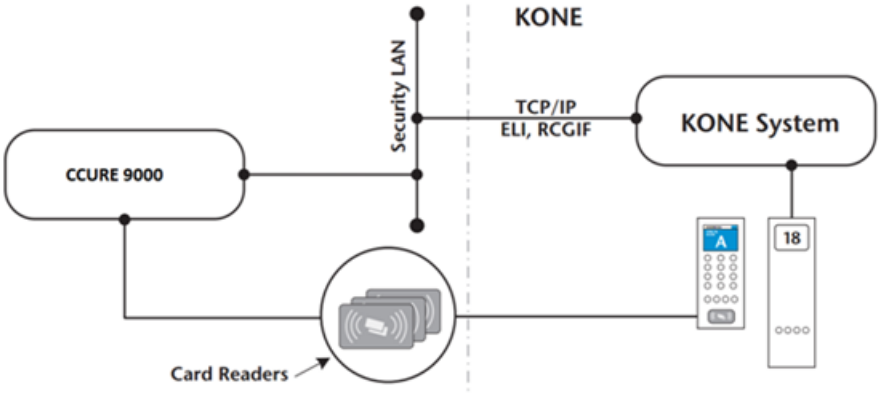
The KONE Elevator System Integration with the C•CURE 9000 provides security to particular landings (floors) in a multi-level building by ensuring that only those authorized may go to a particular landing, or exit on that landing. Access to particular landings is determined through a swipe of a card to a card reader called a Destination Operation Panel (DOP) outside of the elevator or a Car Operation Panel (COP) situated inside the Elevator Car. The card reader accesses the personnel privilege assigned to a specific KONE Elevator access configuration.

When the KONE Elevator is configured for Direct Elevator Access, the C•CURE 9000 makes direct calls to the elevator system.

Traditional Destination Control System

Figure 1 on Page 14 shows the traditional destination control system used by the KONE Elevator System.

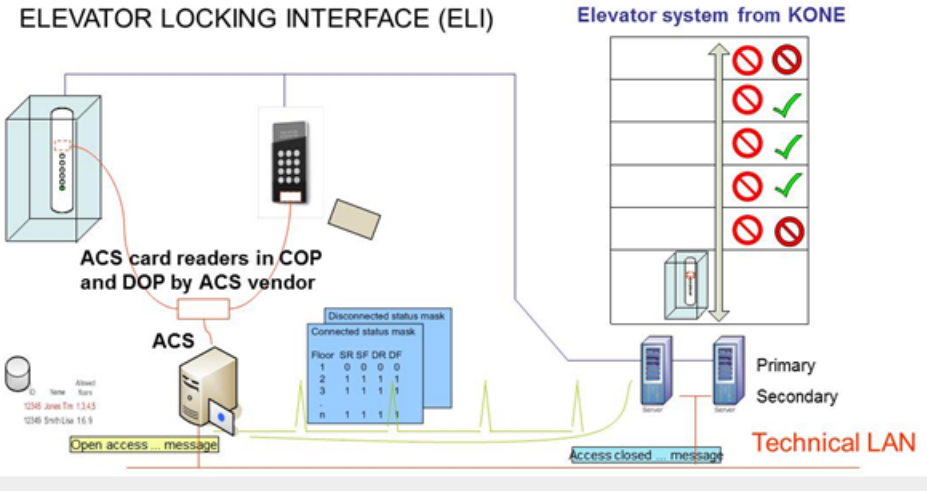
Figure 1: Traditional Destination Control System



Elevator Locking Interface Example

Figure 2 on Page 15 shows an example of an elevator interlocking interface configuration.

Figure 2: Elevator Locking Interface Example



Global Landing Matrix and Default Landing Matrix Configuration Example

Table 1: Global Landing Matrix Configuration and Default Landing Matrix Example

Global Landing Matrix		Default Landing Matrix		Clearance Landing Matrix	Floors Selectable in DOP/COP	
Connected Mask	Disconnected Mask	Connected Mask	Disconnected Mask		Connected Mask	Disconnected Mask
1	2	4	3	5	1, 4, 5	2, 3
2	6	3	5	10	2, 3, 10	6, 5

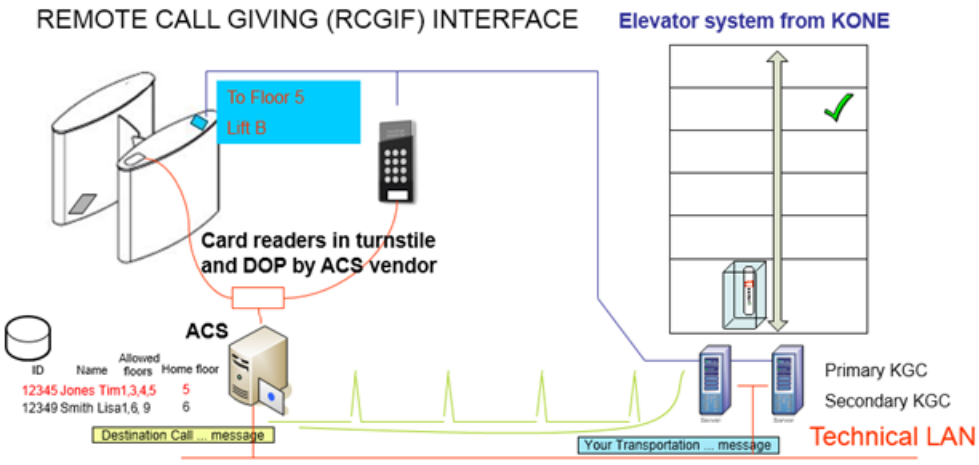
In the above example (Table 1 on Page 15), if a card is swiped, then the open floors for that clearance (configured in the Clearance Landing Matrix) will be available to that individual on the DOP/COP.

If the connection is lost between the elevator system and the C•CURE server, the Disconnected Mask is used instead of the Connected Mask, but still functions the same way as the Global and Default Landing Matrix shown in Table 1 on Page 15.

Figure 3 on Page 16 shows an example of a KONE Direct Elevator Access configuration.

KONE Direct Elevator Access Example

Figure 3: KONE Direct Elevator Access Example



Features

The following is the list of major features supported by C•CURE 9000 KONE Elevator Integration.

- Secure access to particular floors of multi-level buildings by ensuring that only authorized personnel may go to a particular floor or exit on that floor.
- Schedule-based floor access for all personnel.
- C•CURE 9000 event configuration based on elevator communication status.
- Journaling and reporting of floor selections by personnel.
- Remote monitoring using the C•CURE 9000 Monitoring Station.
- Support of up to 5 KONE Elevator systems/groups.
- Each elevator group controller is associated with the following IP addresses: (Integration supports a minimum of 1 controller and maximum of 5 controllers per group)
  - Server A (Mandatory)
  - Server B (Optional)
  - Server C (Optional)
  - Server D (Optional)
  - Server E (Optional)
- Communication Status supports five servers such as Server A, Server B, Server C, Server D and Server E.
- Trigger configurations used to activate C•CURE 9000 events are based on **Server A**, **Server B**, **Server C**, **Server D** and **Server E** communication status.
- Each elevator group supports a maximum of 8 elevator cabs per group – for a total of 240 elevator cabs on a C•CURE 9000 server.
- Each elevator group supports 255 floors, and the front and rear doors of each elevator cab.
- Each landing supports up to 6 DOP devices.
- Support for Elevator Direct Access.
- Home Floor configuration allows selection of only one floor (front or rear).
- Support for configuring Global Mask to COP using check box **Send Global Mask to COP** in KONE Elevator System.
- Support for configuring Global Mask to DOP using check box **Send Global Mask to DOP** in KONE Elevator System.
- For COP Global Landing Matrix, only Destination Front and Destination Rear data is sent to KONE elevator system.
- Enhancement of RCGIF call types: Default values are 20, 21 and 23.
  - Call type 20: For normal person, call type 20 is dispatched to the KONE server.
  - Call type 21: For an ADA, call type 21 is dispatched to the KONE server.
  - Call type 23: For a VIP, call type 23 (Empty car call type) is dispatched to the KONE server.

  NOTE RCGIF call types are configurable in Configuration File.
- Added check box **Start the Tyco CrossFire services** in the Completed KONE Integration Setup Wizard, which enables the user to start the CrossFire services by default after the Setup is successful.

NOTE Check box **Start the Tyco CrossFire services** is selected by default, user can disable this option if not required.

- Support for Car Operating Panels(COP).
- Support for DOP without readers attached.
- Manual actions to secure or unsecure floors.
- Exemption Group can access Secured Floors.
- TLS1.2 support for security

Terminology

on Page 19 describes the terms and their definitions related to the KONE Elevator System integration.

Table 2: Terminology

Term	Definition
COP	Car Operation Panel In this integration, this is the floor control operation available inside the elevator.
DCS	Distributed Control System
DOP	Destination Operator Panel
ELI	Elevator Locking Interface
EDA	Elevator Director Access
ES	Elevator System ES is the KONE destination dispatch elevator system.
RCGIF	Remote Call Giving Interface
SS	Security System SS is the Access Control system. In this integration, SS is the C•CURE 9000.

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Installation

This chapter provides the instructions to install the KONE Integration software on a server or client system.

In this chapter

Installation Overview

The C•CURE 9000 software must be installed before the KONE Elevator integration software is installed. For information on installing C•CURE 9000, see the C•CURE 9000 Installation and Upgrade Guide. Similar to the C•CURE 9000 system, the KONE Elevator Integration has client and server components. You must install the client components on every computer that runs C•CURE 9000 client applications, and you must install the server components on the server computer. The KONE Elevator Integration has the same hardware, software, and disk space requirements as C•CURE 9000; if the target computer meets the requirements for the C•CURE 9000, then it meets the KONE Elevator Integration requirements.

The installation wizard prompts you to install the KONE Elevator Integration software. You must perform the basic installation process on each computer in your C•CURE 9000 security system. Be sure to close all C•CURE 9000 and virus--checking applications on client workstations before performing the installation.

Table 3 on Page 21 provides an overview of the steps to install and register the KONE Elevator System on each computer in your C•CURE 9000 security system.

Table 3: Installation Tasks Overview

Task	See...
1. Install C•CURE 9000, if not already installed.	C•CURE 9000 Installation and Upgrade Guide
2. Ensure that the Pre-installation requirements are met.	Before You Begin on Page 23
3. Get the KONE Elevator Integration software.	Getting the KONE Integration Software on Page 24
4. Install the KONE Elevator System Integration software.	Getting the KONE Integration Software on Page 24
5. Verify that a license exists for the KONE Elevator System.	
6. If you did not select to restart the services during the installation, start the Server Services and the KONE Elevator Driver Service.	Starting the Server Services on Page 32

Table 4 on Page 21 provides the installation information on a MAS (Master Application Server) and SAS (Satellite Application Server) environment.

Table 4: Installation on MAS/SAS

Installation on a	Installs...
MAS (Master Application Server)	Nothing is installed. Installation on MAS is not supported.
MAS remote client and any other client systems.	• Only the KONE Elevator System client objects are installed • No server or database objects are installed.
SAS (Satellite Application Server)	All KONE Elevator System components and database are installed.

Installation on a	Installs...
SAS remote client and any other client systems	• Only the KONE Elevator System client objects are installed • No server or database objects are installed.

Before You Begin

You should perform the following pre-installation steps described below:

Pre-installation Steps

- If you are installing KONE Integration on a corporate network, be sure to coordinate with your corporate network administrator.
- To perform the installation, you must have the appropriate Window's permissions. You must be in the local Administrators group, or have equivalent privileges. See the Microsoft Operating System documentation or your system administrator for more information.
- Ensure that you have two NIC (Network Interface Card) cards on the system where the C•CURE 9000 server is installed; one to communicate with the iSTAR panel and one to communicate with the KONE Elevator system.

Getting the KONE Integration Software

The KONE Elevator System Integration software is located on the C•CURE 9000 2.40 DVD in the Integrations\Elevator\KONE folder, and can also be downloaded from the Software House website.

To Download the KONE Elevator Integration Software from the Software House Website

1. Open a browser and navigate to www.swhouse.com.
2. Select **Products**, and then select **Software Downloads** in the list.
3. When the login page opens, log in. If you do not have account, you must create one.
4. On the Software Downloads page, select the **"Software House Connected"** link.
5. Select **Elevator** from the list.
6. When the Elevator Driver Downloads list is displayed on the right hand of the page, select the KONE driver link for the version of C•CURE 9000 that you have installed.
7. Unzip the files to the folder on your local computer, or to a shared drive on the network.

Installation

You can install the C•CURE 9000 KONE Elevator Integration on a local computer from a shared drive over a network.

To Install KONE Elevator Integration from a Local Drive (DVD or Download)

1. Log into the Server or Client machine with Administrative privileges.
2. Insert the C•CURE 9000 2.40 DVD into the system drive, or navigate to where you have downloaded the software.
3. Navigate to the **Integrations\Elevator\KONE** folder.

To Install KONE Elevator Integration from a Network Drive

1. Log into the Server or Client machine with the Administrative privileges.
2. Map the shared drive (download area where you copied the KONE Elevator software integration folder).

To Install KONE Elevator Integration from the Software House Portal

1. In the browser, Go to http://www.swhouse.com/Support/Default.aspx.
2. In the Software House home page, click **Login**.
3. In the Login page, enter the credentials and click **Login**.
4. Click **Software Downloads**.
5. Click **Software House Connected** and then click **Elevator**.
6. Download the KONE Integration software to a folder in your computer.

Running the Setup Program

To Run the Installation Program

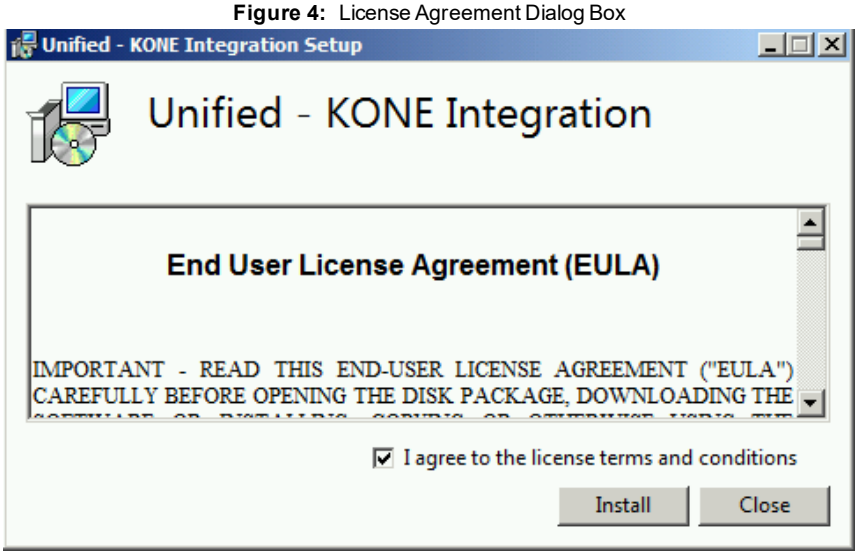
NOTE

Before installing the KONE Elevator Integration, follow the below steps:

1. Close the C•CURE 9000 Administration Station and Monitoring Station.
2. Open the C•CURE 9000 Server Configuration Application and stop the following server services:
   - CrossFire Framework Service
   - CrossFire Server Component Framework Service
3. Close the C•CURE 9000 Server Configuration Application.

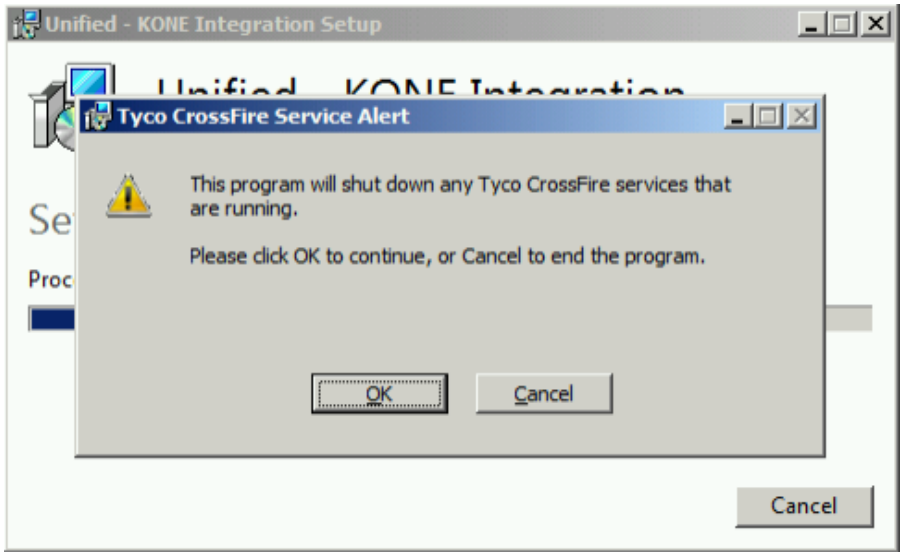
1. Open the **KONE** folder and double-click the **KONE_Integration.exe**. The **End User License Agreement** dialog box appears, as shown in Figure 4 on Page 26.

Figure 4: License Agreement Dialog Box



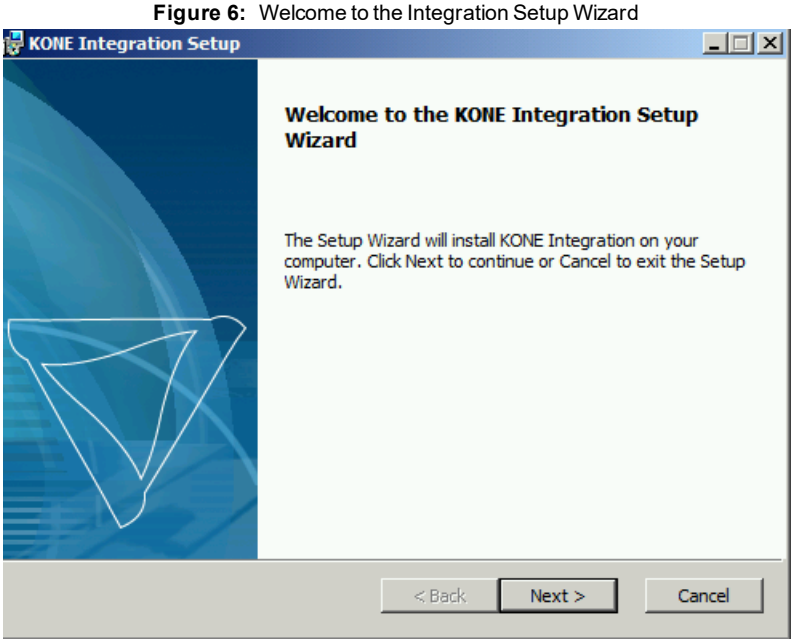
2. Select the **I agree to the license terms and conditions** check box, and then click **Install**. For server installations running CrossFire service, the **Tyco CrossFire Service Alert** dialog box appears, as shown in Figure 5 on Page 26.

Figure 5: Tyco CrossFire Service Alert Dialog Box



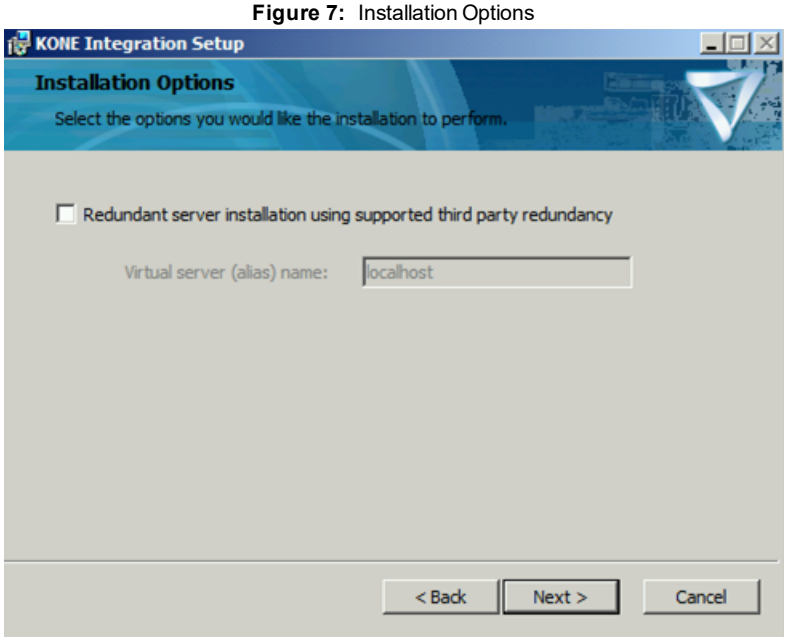
3. Click **OK** to continue with the installation. The **Welcome to the KONE Integration Setup Wizard** appears, as shown in Figure 6 on Page 27.

Figure 6: Welcome to the Integration Setup Wizard



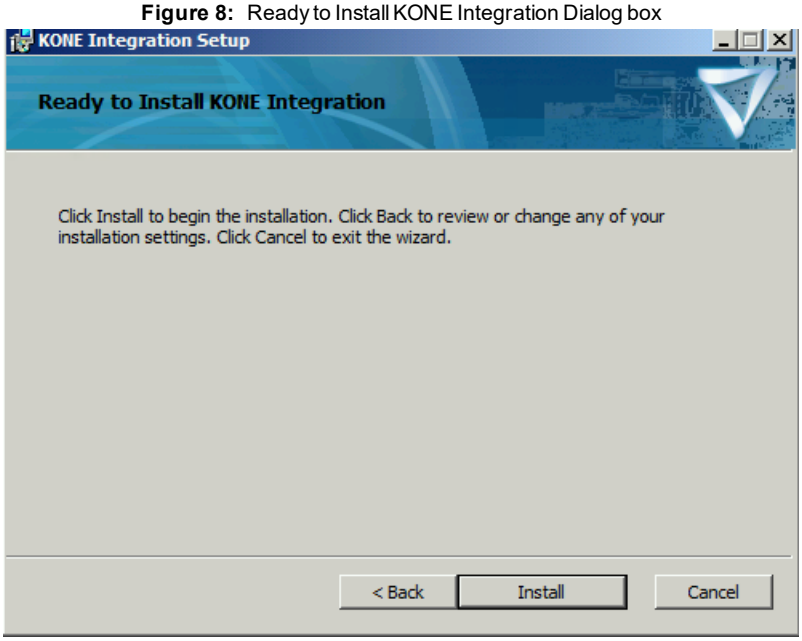
4. Click **Next** to continue with the installation. The **Installation Options** dialog box appears, as shown in Figure 7 on Page 27.

Figure 7: Installation Options



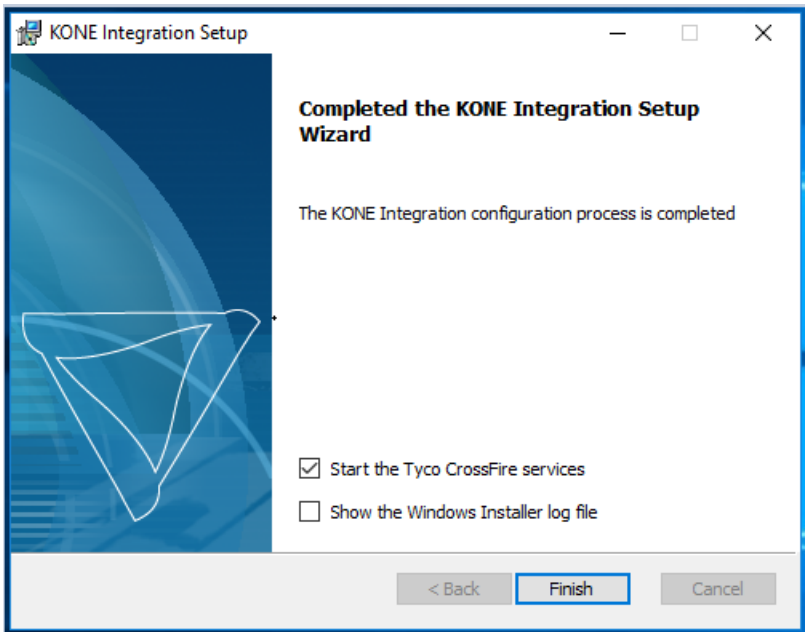
5. If you choose to enable the driver for redundancy, select the **Redundant server installation using supported third party redundancy** check box and enter the Virtual sever (alias) name.
6. Click **Next**. The **Ready to Install the Integration** dialog box appears, as shown, in Figure 8 on Page 28

Figure 8: Ready to Install KONE Integration Dialog box



7. Click **Install** to start the installation or click **Back** to modify the installation settings. After a few minutes, the **Completed the Kone Integration Setup Wizard**, as shown in Figure 9 on Page 28, appears. If you select **Cancel**, installation will roll back to clean state.

Figure 9: Completed the KONE Integration Setup Dialog Box



NOTE Check box **Start the Tyco CrossFire services** is selected by default, user can disable this option if not required.

8. Click **Finish** to exit the Setup Wizard. The **Setup Successful** dialog box, as shown in Figure 10 on Page 29, appears.

Figure 10: Setup Successful Dialog Box

9. Click **Close** to exit the KONE Installation.

NOTE

For the redundant environment, if you have not provided the Virtual sever (alias) name during installation or want to modify the Virtual sever (alias) name after installation, do the following:

1. Navigate to the folder **.../Tyco/CrossFire/ServerComponents**.
2. Open the file **KoneElevatorDriverService.exe** file.
3. Scroll down to the client section and change the localhost in all the endpoints to the required Virtual sever (alias) name except for the endpoint name="TraceViewerURI".

Upgrading the KONE Elevator System Integration

- To upgrade the KONE Elevator integration from v2.80 to v3.00: Upgrade C•CURE 9000 v2.80 to C•CURE 9000 v3.00 and then install the associated KONE Elevator v3.00 integration.
- To upgrade the KONE Elevator integration from v2.90 to v3.00, upgrade C•CURE 9000 v2.80 to C•CURE 9000 v2.90 and then install the associated KONE Elevator v3.00 integration.

Configuration File

The KONE configuration file: KoneElevatorDriverService.exe is located at \Tyco\CrossFire\ServerComponents. This section describes the values that you can change in KoneElevatorDriverService.exe:

NOTE

If you make any changes in the configuration file you must restart the driver.

Ensure that you change the values only after consulting with the product support team.

ServerPortNo - Use this variable to specify the ELI port number. This port is used for communication between the ELI server and Security Server. The default value is 2005.

RCGIFServerPortNo - Use this variable to specify the RCGIF port number. This port is used for communication between the RCGIF server and Security Server. The default value is 2004.

RCGIFCallType - Use this variable to specify the RCGIF Call Types in Configuration File. This call type is used for communication between the RCGIF Server and Security Server. Default values are 20, 21 and 23. The following are the description for the default values:

- Call type 20: For normal person, call type 20 is dispatched to the KONE server.
- Call type 21: For an ADA, call type 21 is dispatched to the KONE server.
- Call type 23: For a VIP, call type 23 (Empty car call type) is dispatched to the KONE server.

OldTransactionsInSeconds - Use this variable to specify the latency. Elevator drivers rely on card activity messages from iStar and listen to journal notification. After receiving journal notification, KONE Integration drivers authorize floors and dispatch it to the Elevator system. The default value is 5 seconds, any card swipe beyond 5 seconds of latency is ignored.

DOPOpenTimeOut - Use this variable to set the duration for which the landing matrix is displayed on the kiosk after a user swipes at the reader. The default value is 10000 milliseconds (10 sec).

SendRetriesInterval - Use this variable to specify the duration between the retries when the Security System receives no response from the KONE server for a particular request. The default value is 5000 milliseconds (5 Sec).

HeartBeatTimeOut - Use this variable to specify the timeout value for the heartbeat which is compared with the last successful heartbeat received time from the Elevator Server to the driver. This value is used to set the communication status of the Elevator server. The default value is 20000 milliseconds (20 sec).

COPOpenTimeOut - Use this variable to set the duration for which the landing matrix is displayed on the kiosk after a user swipes at the reader. The default value is 10000 milliseconds (10 sec).

UsePerformanceCounters - Use this variable to set performance counters for KONE integration. The default value is 0. Set this variable to 1 to turn on the performance counter.

Licensing

You need a license to use the C•CURE 9000 KONE Elevator Integration software. Please contact your local Software House Sales Representative.

To Verify That You Have a KONE License

1. Double-click on the Licensing icon on your desktop to open the C•CURE 9000 License dialog box (Alternately, you can select All Programs>Software House>Licensing.)
2. Click **Options** tab.
3. Scroll down the list to verify that **KONE Destination Control Integration** is listed.

Starting the Server Services

Before you can configure KONE Elevator integration object, the CrossFire Framework Service, CrossFire Server Component Framework Service, and the KONE Elevator Driver Integration Service must be running.

To Start the Server Services

1. From the Start Menu, select Start>All Programs>Tyco>Server Configuration. The Server Configuration Application opens.
2. Click **Services** tab.
3. If the Status is displayed as **Stopped** for the CrossFire Framework Service under Framework Services, click **Start**.
4. If the Status is displayed as **Stopped** for the CrossFire Server Component Framework Service under Framework Services, click **Start**.
5. After the CrossFire Framework Service and CrossFire Server Component Service displays a status of **Running**, click **Server Components** tab.
6. If the Status is displayed as **Stopped** for the KONE Elevator Driver Service in Extension Services, click in the **Enabled** check box and then click **Start**.
7. When the status of the KONE Driver Service changes to **Running** you can use the KONE Elevator System Integration software.

Uninstalling the KONE Elevator Integration

The Uninstall removes all software components that were installed on the computer by the KONE Elevator integration installation. Once the uninstall process completes, the computer will be in **clean** state.

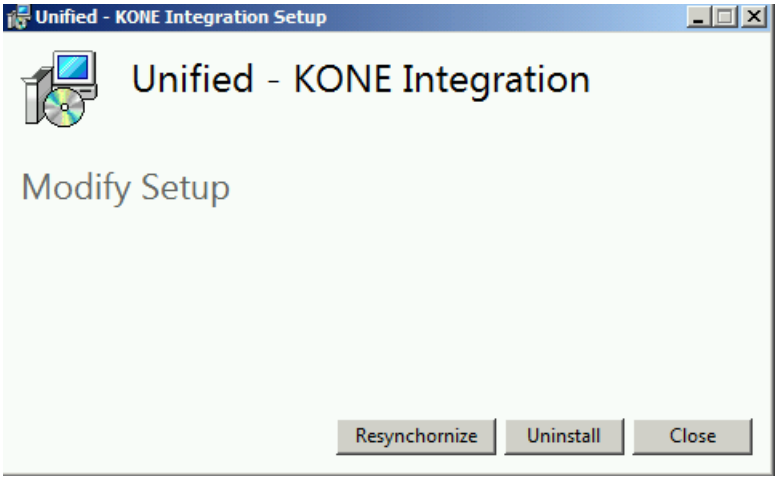
This section describes how to uninstall the KONE Elevator System integration from the Server computer and Client computers of your security system on a Windows 7 operating system. For additional operating systems, please refer to your Microsoft Windows documentation for instructions to access the Add and Remove programs.

- Uninstalling this integration does not automatically removes objects that were configured in the C•CURE 9000 using it. Before you proceed with this uninstall, you MUST manually remove the objects from C•CURE 9000 to avoid potential issues with functions, such as partition deletion.
- Please be advised that the KONE Elevator integration shuts down and restarts the Server Services automatically. Therefore, the KONE Elevator integration uninstall should be planned accordingly.

To Uninstall the KONE Elevator System

1. Close the C•CURE 9000 Administration Workstation and the Monitoring Station.
2. Open the C•CURE 9000 Server Configuration Application, and stop the following server services:
   - CrossFire Framework Service
   - CrossFire Server Component Framework Service
   - KONE Driver Service
3. Close the C•CURE 9000 Server Configuration Application.
4. From the Windows Start menu, select **Control Panel> Programs>Programs and Features**.
5. Right-click the C•CURE 9000 Kone Elevator Integration and select Uninstall. The Modify Setup dialog box, as shown in Figure 11 on Page 33, appears.

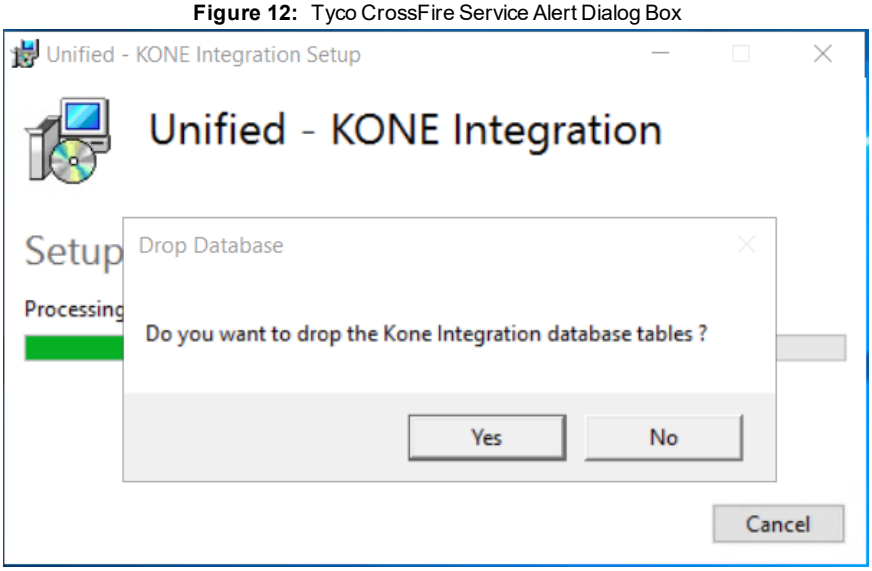
Figure 11: Modify Setup Dialog Box



6. Click **Uninstall**. On the **Drop Database** window, select one of the following options:
   - Click **Yes** to delete the database used in the Kone integration.
   - Click **No** to retain Kone integration tables.

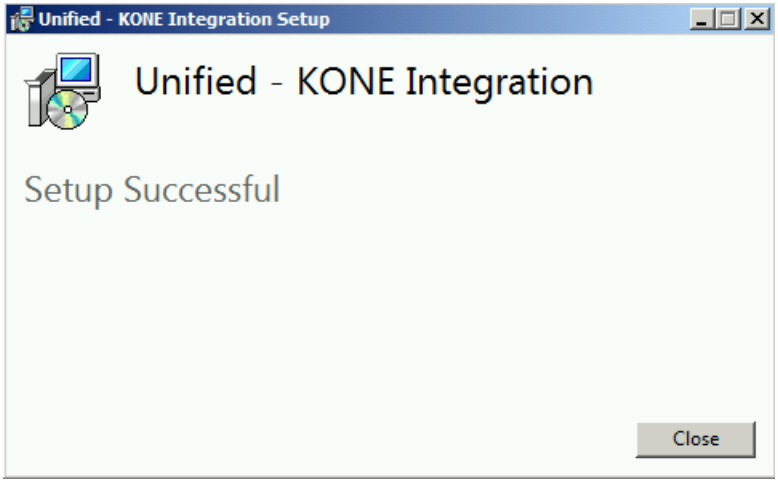
The **Drop Database** popup window appears, as shown in the following image

Figure 12: Tyco CrossFire Service Alert Dialog Box



7. The **Setup Successful** dialog box appears.

Figure 13: Setup Successful Dialog Box



After you uninstall the Kone integration, CrossFire services restart automatically.

3

KONE Elevator System Configuration

This chapter provides the KONE Elevator System Editor configuration procedures.

In this chapter:

Configuration Sequence Overview

This section provides the configuration sequences and where to find the configuration information.

See the following configuration sequences:

- KONE Elevator System Configuration Sequence
- Landing Matrix Configuration Sequence
- COP Configuration Sequence
- Landing Configuration Sequence
- DOP Configuration Sequence
- KONE Direct Elevator Access Configuration Sequence

KONE Elevator System Configuration Sequence

Table 5: KONE Elevator System Configuration Sequence

Order of Tasks	See...
Create a KONE Elevator System folder for the KONE Elevator System group.	See Creating a KONE Elevator System Folder on Page 39
Create the KONE Elevator System.	KONE Elevator System Editor dialog box. See KONE Elevator System Editor Dialog Box on Page 41
Assign Global connected mask to KONE Elevator System.	KONE Global Landing Matrix dialog box. See KONE Global Landing Matrix Dialog Box on Page 62
Assign Global disconnected mask to KONE Elevator System.	KONE Global Landing Matrix dialog box. See KONE Global Landing Matrix Dialog Box on Page 62

Landing Matrix Configuration Sequence

Table 6: Landing Matrix Configuration Sequence

Order of Tasks	See...
Create the Global Landing Matrix	KONE Global Landing Matrix dialog box. See KONE Global Landing Matrix Dialog Box on Page 62
Create the Default Landing Matrix	KONE Default Landing Matrix dialog box. SeeKONE Default Landing Matrix Dialog Box on Page 67
Create COP Clearance Landing Matrix	KONE COP Clearance Landing Matrix dialog box. See KONE DOP Clearance Landing Matrix Dialog Box on Page 120

Order of Tasks	See...
Create DOP Clearance Landing Matrix	KONE DOP Clearance Landing Matrix dialog box. See KONE DOP Clearance Landing Matrix Dialog Box on Page 120
Create DOP Clearance Landing Matrix with Home Floor	Creating a DOP Clearance Landing Matrix with the Home Floor. See KONE DOP Clearance Landing Matrix Dialog Box Tasks on Page 122

COP Configuration Sequence

Table 7: COP Configuration Sequence

Order of Tasks	See...
Create a KONE Elevator System folder for the KONE Elevator System group.	See Creating a KONE Elevator System Folder on Page 39
Create the KONE Elevator System.	KONE Elevator System Editor dialog box. See KONE Elevator System Editor Dialog Box on Page 41
Configure a COP	KONE COP dialog box. See KONE COP Dialog Box on Page 90.
Assign a door to COP	Selecting an iSTAR Door for the Front Reader See COP Front Reader Tab on Page 96 Selecting an iSTAR Door for the Rear Reader See COP Rear Reader Tab on Page 98
Assign Default Connected Mask and Default Disconnected Mask to COP	Configuring a COP See KONE COP Dialog Box Tasks on Page 91

Landing Configuration Sequence

Table 8: Landing Configuration Sequence

Order of Tasks	See...
Create a KONE Elevator System folder for the KONE Elevator System group.	See Creating a KONE Elevator System Folder on Page 39

Order of Tasks	See...
Create the KONE Elevator System.	KONE Elevator System Editor dialog box. See KONE Elevator System Editor Dialog Box on Page 41
Create a Landing	KONE Landing dialog box. See KONE Landing Dialog Box on Page 73

DOP Configuration Sequence

Table 9: DOP Configuration Sequence

Order of Tasks	See...
Create a KONE Elevator System folder for the KONE Elevator System group.	See Creating a KONE Elevator System Folder on Page 39
Create the KONE Elevator System.	KONE Elevator System Editor dialog box. See KONE Elevator System Editor Dialog Box on Page 41
Create a Landing	KONE Landing dialog box. See KONE Landing Dialog Box on Page 73
Create a DOP	KONE DOP dialog box. See KONE DOP Dialog Box on Page 110.

KONE Direct Elevator Access Configuration Sequence

Table 10: KONE Direct Elevator Access Configuration Sequence

Order of Tasks	See...
Create a KONE Elevator System folder for the KONE Elevator System group.	See Creating a KONE Elevator System Folder on Page 39
Create the KONE Elevator System.	KONE Elevator System Editor dialog box. See KONE Elevator System Editor Dialog Box on Page 41
Create a KONE Direct Elevator Access	KONE Direct Elevator Access dialog box. See KONE Direct Elevator Access Dialog Box on Page 101
Assign VIP Group	KONE Direct Elevator Access dialog box tasks. See KONE Direct Elevator Access Dialog Box Tasks on Page 103

Creating a KONE Elevator System Folder

To Create a New KONE Elevator System Folder

1. Double-click on the Administration Workstation icon on the desktop to open it. (Alternately, you can select **All Programs>Software House>C•CURE 9000>Administration Station**).
2. Click **Hardware** pane button.
3. Right-click **Hardware** under the Hardware tree and select **Hardware Folder>New**.
4. Enter a name and description (optional) for the KONE Elevator System folder.
5. Click **Save and Close**. The new folder is listed under the Hardware tree.

Accessing the KONE Elevator System Editor Dialog Box

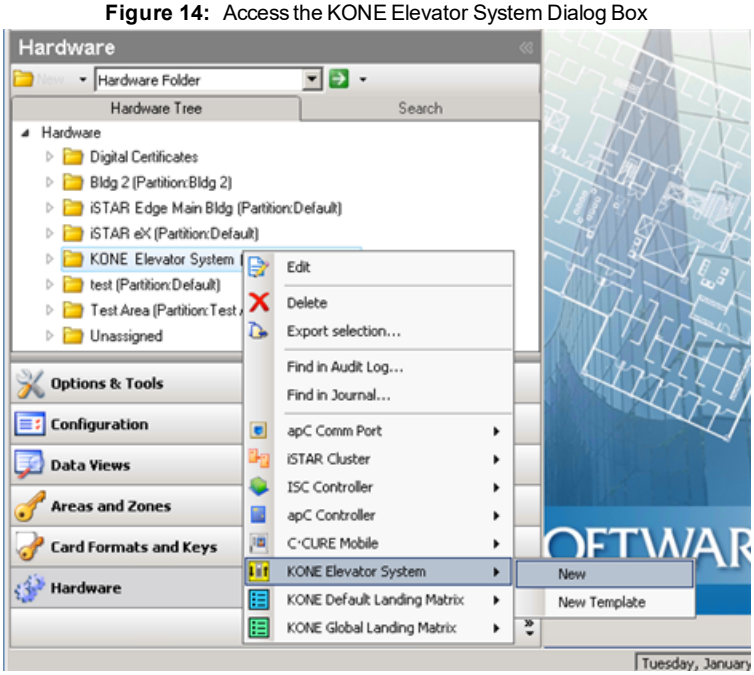
This section explains how to access the KONE Elevator System Editor in the C•CURE 9000.

NOTE This section assumes that you already created a folder for the KONE Elevator System. See Creating a KONE Elevator System Folder on Page 39 for more information.

To Access the KONE Elevator System Editor

1. Open the C•CURE 9000 Administration Station.
2. Click **Hardware** Pane.
3. Click **Hardware** drop-down menu and select **Hardware Folder**.
4. Right-click the **KONE Elevator System** folder and select **KONE Elevator System>New**, as shown in Figure 14 on Page 40.

Figure 14: Access the KONE Elevator System Dialog Box



The KONE Elevator System dialog box, shown in Figure 15 on Page 41, opens with the General tab selected.

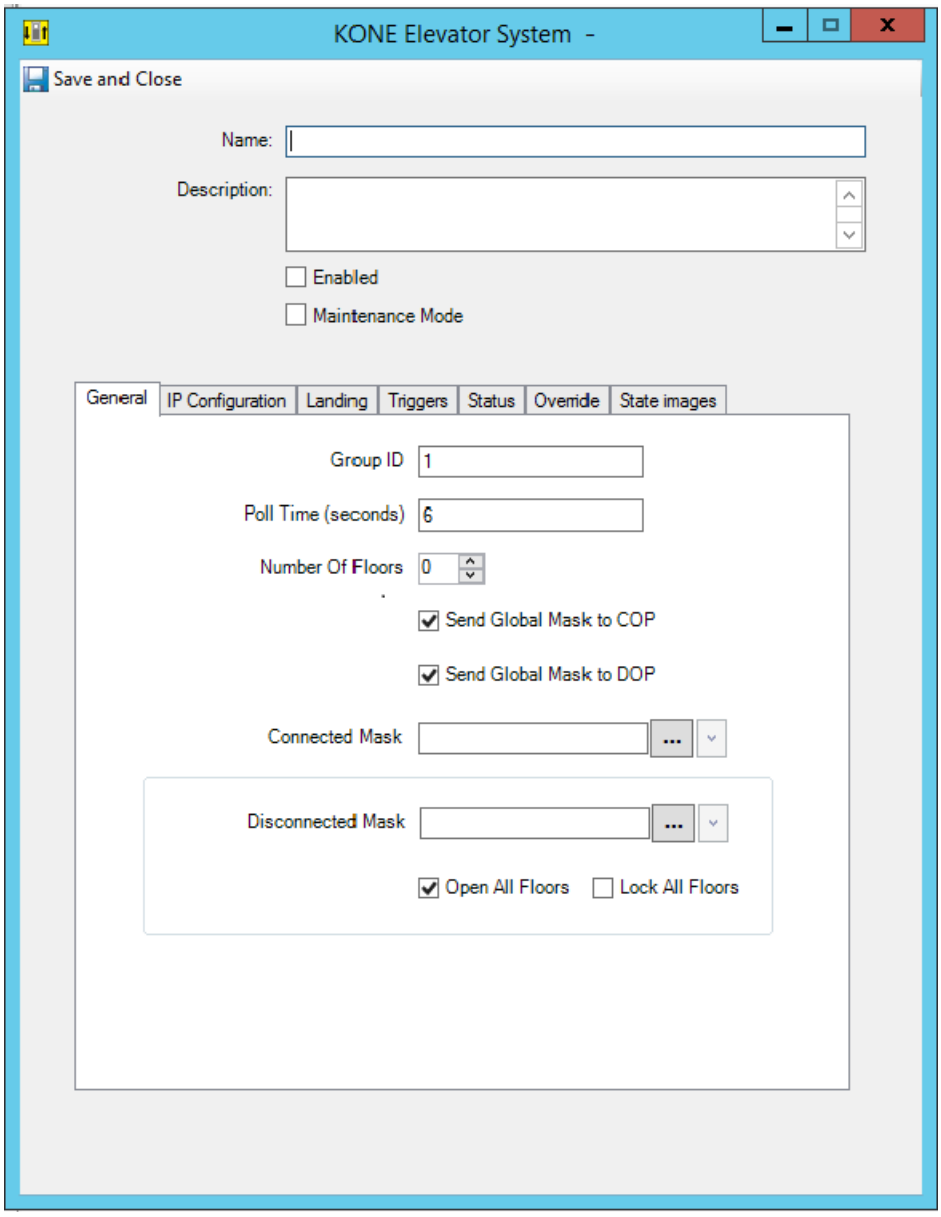
KONE Elevator System Editor Dialog Box

The KONE Elevator System Editor dialog box, shown in Figure 15 on Page 41, is used to create an identity for the elevator system, enter IP addresses for the primary server (Server A) and back up servers (Servers B, C, D and E), select **Connected** or **Disconnected Mask** state, select the check box **Lock All Floors** or **Open All Floors**, configure triggers and events, view configured Landings in the elevator group, and optionally change state images.

For more information, see the following:

- KONE Elevator System Editor Dialog Box Definitions on Page 41
- KONE Elevator System Editor Tasks on Page 43
- KONE Elevator System Editor Tabs on Page 46

Figure 15: KONE Elevator System Editor Dialog Box



KONE Elevator System Editor Dialog Box Definitions

Table 11 on Page 42 describes the KONE Elevator System Editor dialog box fields and buttons.

Table 11: KONE Elevator System Editor Dialog Box Definitions

Field/Button	Description
Name	A unique name identifying the KONE Elevator System. • The name is not case-sensitive • Minimum number of characters: 1 • Maximum number of characters: 100
Description	Optional. A description for the KONE Elevator System. • The description is not case-sensitive • Minimum number of characters: None • Maximum number of characters: 500
Enabled	Enables (checked) or disables (unchecked) communication between the C•CURE 9000 and the KONE Elevator system. Default: Disabled (unchecked). **NOTE**: If the configuration is enabled and then disabled, it will be displayed in the Monitoring Station as **Unknown**.
Maintenance Mode	Select the Maintenance mode check box to limit information about the object, that is displayed on the Monitoring Station. Maintenance Mode only affects the information reported at the Monitoring Station. For more information see Maintenance Mode on Page 59.
Save and Close	Saves the configuration and closes the dialog box.
General Tab	
Group ID	A number, between 1 and 30, that identifies the elevator group.
Server A	(Mandatory) The IP address of the server A. **Note**: IPv6 addresses are not supported.
Server B	(Optional) The IP address of the server B. **Note**: IPv6 addresses are not supported.
Server C	(Optional) The IP address of the server C. **Note**: IPv6 addresses are not supported.
Server D	(Optional) The IP address of the server D. **Note**: IPv6 addresses are not supported.
Server E	(Optional) The IP address of the server E. **Note**: IPv6 addresses are not supported.
Poll Time	The time to poll. The value can be between 5 and 15 seconds. Default: 6 seconds.
Number of Floors	The number of floors required while sending the Landing Matrix to the KONE Elevator System.
Send Global Mask to COP	This check box is selected by default. This is used to send Global Landing Mask data to COP. You can disable this option if not required.
Send Global Mask to DOP	This check box is selected by default. This is used to send Global Landing Mask data to DOP. You can disable this option if not required.
The following fields and check boxes are not configurable until a KONE Global Landing Matrix is configured:	

Field/Button	Description
Connected Mask	The Connected Mask is used when the connection between the C•CURE 9000 and the KONE Elevator System is active. The KONE Elevator System automatically loads the pre-configured Global Landing Matrix to all the COP's and DOP's in the elevator system to enable the floors assigned in the connected mask.
Disconnected Mask	The Disconnected Mask is used when the connection between the C•CURE 9000 and the KONE Elevator System is dis-connected. The KONE Elevator System automatically loads the pre-configured Global Landing Matrix to all the COP's and DOP's in the elevator system to enable all the floors assigned to the disconnected mask.

KONE Elevator System Editor Tasks

This section describes the tasks performed in the KONE Elevator System Editor Dialog box.

NOTE The Landing and State Images tabs are not active until the Landing, DOP, and Clearance Landing Matrix are configured. See KONE Elevator System Editor Tabs on Page 46.

The following tasks are performed in the KONE Elevator System Editor dialog box - General tab:

- Creating a KONE Elevator System on Page 43
- Selecting a Connected Mask and a Disconnected Mask on Page 44
- Selecting Send Global Mask to COP or Send Global Mask to DOP on Page 44
- Selecting Open All Floors or Lock All Floors on Page 44
- Creating a KONE Elevator System Template on Page 45
- Editing a KONE Elevator System on Page 45
- Viewing KONE Elevator System Configurations on Page 45
- Deleting a KONE Elevator System on Page 45

Creating a KONE Elevator System

To Create a KONE Elevator System

1. Open the C•CURE 9000 Administration Station.
2. Click **Hardware** pane.
3. Click on the drop-down menu located under Hardware and select **Hardware Folder**.
4. Right-click on the folder you created in the Hardware tree and select **KONE Elevator System>New**. (Alternately, you can create a new folder by clicking on **New** located next to the Hardware drop-down menu.

NOTE KONE Elevator System is used for the folder name throughout this guide.

The KONE Elevator System Editor opens. See KONE Elevator System Editor Dialog Box on Page 41.

5. Enter a name for the elevator group in the **Name** field.
6. Enter a description (optional) for the elevator group in the **Description** field.
7. Click on the IP Configuration tab and perform the following:
   a. Enter the IP address of the C•CURE 9000 server in the **Server A** field (Server A is mandatory).
   b. Enter the IP address of the C•CURE 9000 server in the **Server B** field (Server B is optional).

c. Enter the IP address of the C•CURE 9000 server in the **Server C** field (Server C is optional).

d. Enter the IP address of the C•CURE 9000 server in the **Server D** field (Server D is optional).

e. Enter the IP address of the C•CURE 9000 server in the **Server E** field (Server E is optional).

8. Click **Save and Close**. The Elevator System is listed under the KONE Elevator System folder in the Hardware tree.
9. Go to KONE Default Landing Matrix Dialog Box on Page 67 to configure the default landing matrix.

Selecting a Connected Mask and a Disconnected Mask

The global landing matrix must be configured before you can configure the connected mask and the disconnected mask. See KONE Elevator System Editor Dialog Box on Page 41 for more information.

To Select a Connected Mask and a Disconnected Mask

1. (Optional) Click on the selection button  to the right of the Connected Mask field to open the KONE Global Landing Matrix selection box listing global landing matrix configurations.
2. Click on a global landing matrix configuration to select it.
3. (Optional) Click on the selection button  to the right of the Disconnected Mask field to open the KONE Global Landing Matrix selection box listing global landing matrix configurations.
4. Click on a global landing matrix configuration to select it.
5. Click Save and Close.

Selecting Send Global Mask to COP or Send Global Mask to DOP

Send Global Mask to Cop - Sends the Global Mask Landing data to COP. This option is selected by default. You can disable this option if not required.

Send Global Mask to DOP - Sends the Global Mask Landing data to DOP. This option is selected by default. You can disable this option if not required.

To Select Send Global Mask to COP or Send Global Mask to DOP

1. Click in the check box next to **Send Global Mask to COP** to select it, or click in the check box next to **Send Global Mask to DOP** to select it.
2. Click **Save and Close**.

Selecting Open All Floors or Lock All Floors

Open All Floors - Opens all floors as part of the Connected state. This option is used if you do not want to associate a global landing matrix to the elevator system.

Lock All Floors - Locks all floors as part of the Disconnected state. This option is used if you do not want to associate a global landing matrix to the elevator system.

To Select Open All Floors or Lock All Floors

1. Click in the check box next to **Open All Floors** to select it, or click in the check box next to **Lock All Floors** to select it.
2. Click **Save and Close**.

Creating a KONE Elevator System Template

Creating a template saves you time because you do not have to re-enter the same information again.

To Create a Template

1. Click on the **Hardware** pane.
2. Click on the drop-down menu located under Hardware and select **Hardware Folder**.
3. Right-click on the KONE Elevator System folder in the Hardware tree and select **KONE Elevator System>New Template**.
4. Enter the information for the KONE Elevator System template.
5. Click **Save and Close**.
6. The new template is listed under **KONE Elevator System>Templates**.

Editing a KONE Elevator System

To Edit a KONE Elevator System

1. Double-click on the **Elevator System** under the KONE Elevator System folder in the Hardware tree to open the KONE Elevator System dialog box. (Alternately, you can right-click on the Elevator System and select **Edit** from the context menu)
2. Make the changes to the configuration.
3. Click **Save and Close**.

Viewing KONE Elevator System Configurations

To View KONE Elevator System Configurations

1. Select **KONE Elevator System** from the Hardware drop-down menu.
2. Click on the green right arrow  to open a Dynamic View displaying all KONE Elevator System Configurations. The KONE Elevator System tab opens in the Dynamic View displaying a list of KONE Elevator System configurations.

Deleting a KONE Elevator System

NOTE	The Elevator System DOP and Landing configurations must be deleted before you can delete the Elevator System.

To Delete a KONE Elevator System

1. Click on the Elevator System under the KONE Elevator System folder in the Hardware tree.
2. Click on a Landing to expand the DOP configurations.
3. Right-click on the DOP configuration and select Delete from the context menu.
4. Repeat step 3 for all DOP configurations listed under the Landing.
5. Right-click on the Landing and select Delete from the context menu.
6. Right-click on the Elevator System and select Delete from the context menu.

KONE Elevator System Editor Tabs

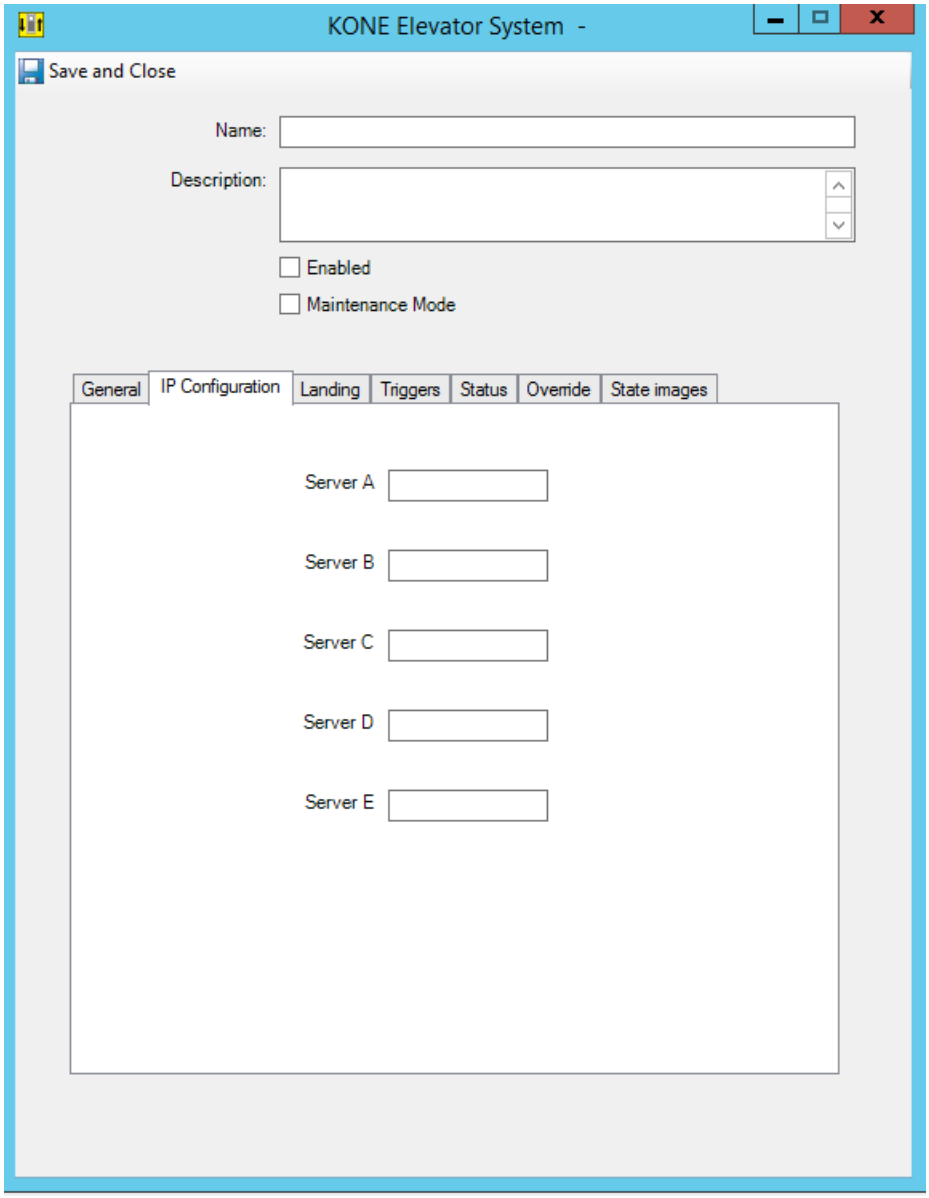
The following sections provide information about the KONE Elevator System Editor tabs:

IP Configuration Tab

The IP Configuration tab, shown in Figure 16 on Page 47, lists the configured Servers for the elevator group. KONE Integration supports a minimum of one Server and a Maximum of 5 Servers.

IP address of Server A is Mandatory and the IP address of Servers B, C, D and E are optional.

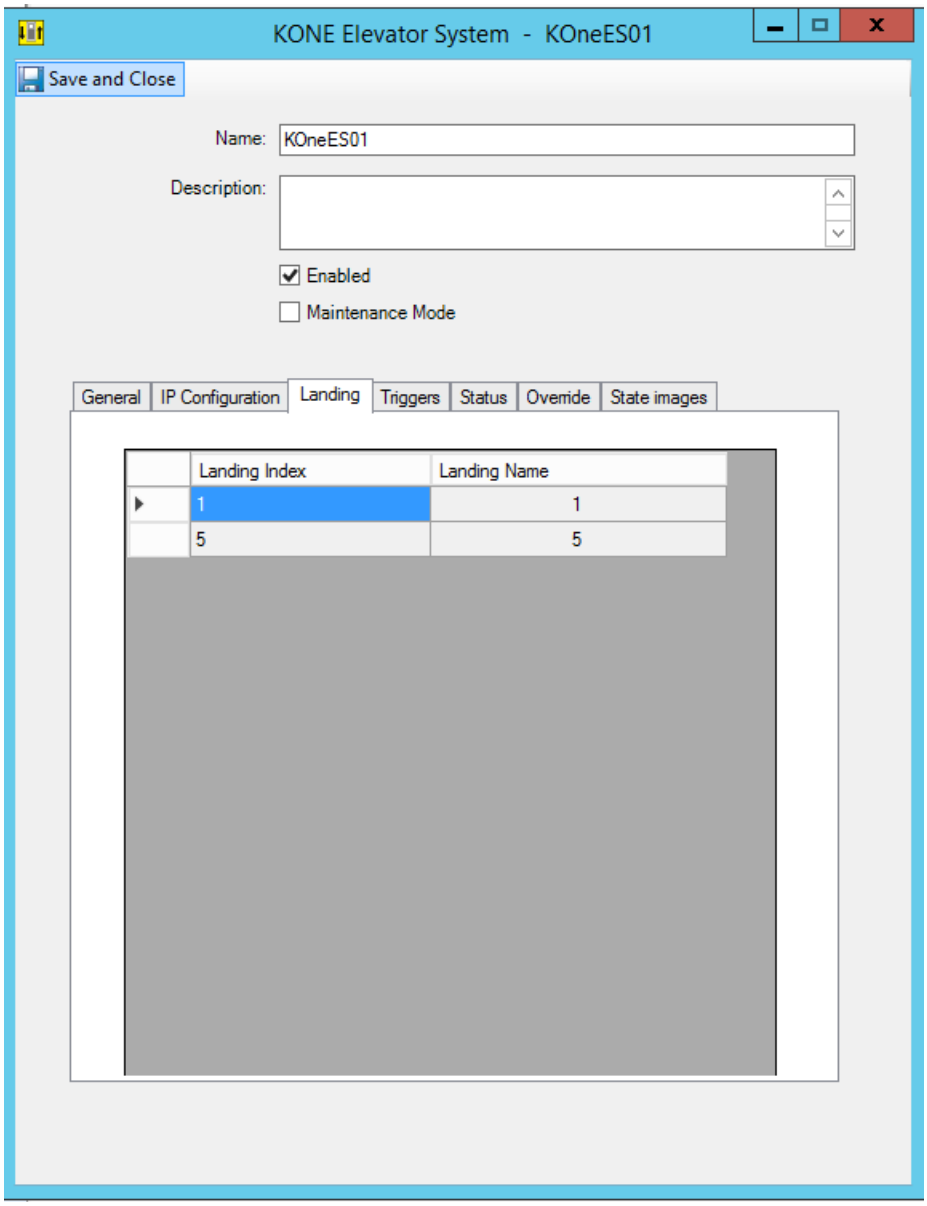
Figure 16: KONE Elevator System Editor – IP Configuration Tab



Landing Tab

The Landing tab, shown in Figure 17 on Page 48, lists the configured Landings for the elevator group. This tab is read-only.

Figure 17: KONE Elevator System Editor – Landing Tab



Triggers Tab

The Triggers tab, shown in Figure 18 on Page 50, is used to configure triggers to activate events.

Triggers are configured procedures used by C•CURE 9000 to activate specific actions when a particular predefined condition occurs. Once the Elevator status matches one of these values, the linked Activate Event action is triggered and the user-specified event is set to an active state (if allowed by the event, which should be armed at the time). Typically, you would use the activated event to send messages to a security guard or administrator when an elevator has a particular status.

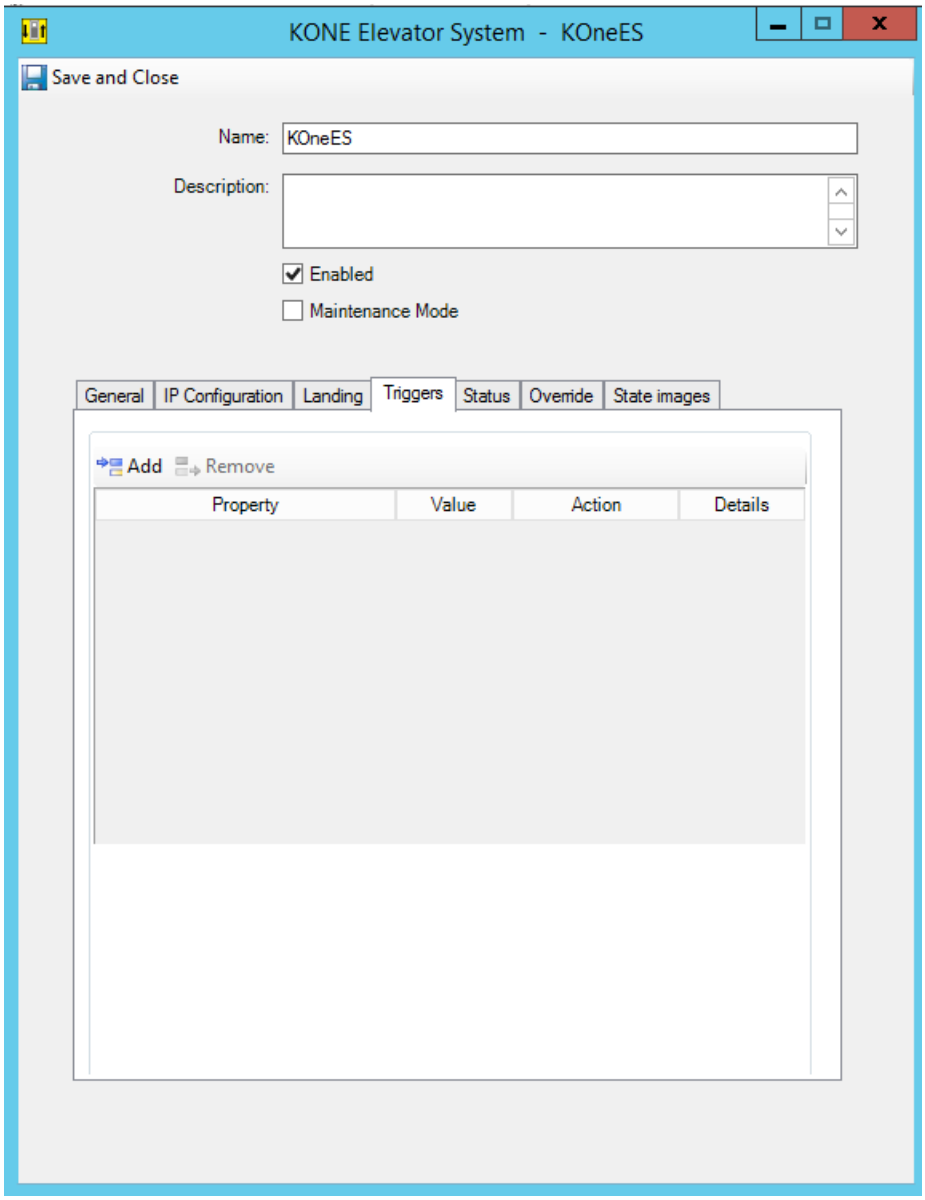
By creating new rows and selecting different values for each row, each value of the Status field can trigger its own event. It is also possible to trigger two different events for the same status value by creating two rows with the same value and then linking each row to its own event.

Supported triggers are Offline and Online.

For more information, see the following:

- Triggers Tab Definitions on Page 50
- Triggers Tab Tasks on Page 51

Figure 18: KONE Elevator System Editor – Triggers Tab



Triggers Tab Definitions

The KONE Elevator System Editor – Triggers tab fields and buttons are described in Table 12 on Page 50

Table 12: KONE Elevator System Editor Dialog Box–Triggers Tab Definitions

Field/Button	Description
Add	Click this button to create a new row in the Triggers table. You must configure all fields in the row to complete the Add operation.
Remove	Click this button to remove a selected row from the Triggers table.

Field/Button	Description
Property	Click in the Property field to display the selection button [...], and then click [...] to select Status (the only selection available).
Value	Selections are Online and Offline.
Action	Click on the drop-down menu to select an action to occur. This action selected will occur when the object's selected Property receives the selected Value.
Details	The name of the event configured for the row (read-only) entered by the system.
Event	Click on the selection button [...] to select a Event that you want to associate with the trigger. Events are created in the C•CURE 9000 Configuration pane. See the C•CURE 9000 Software Configuration Guide for more information.

Triggers Tab Tasks

The following tasks are performed in the Triggers tab:

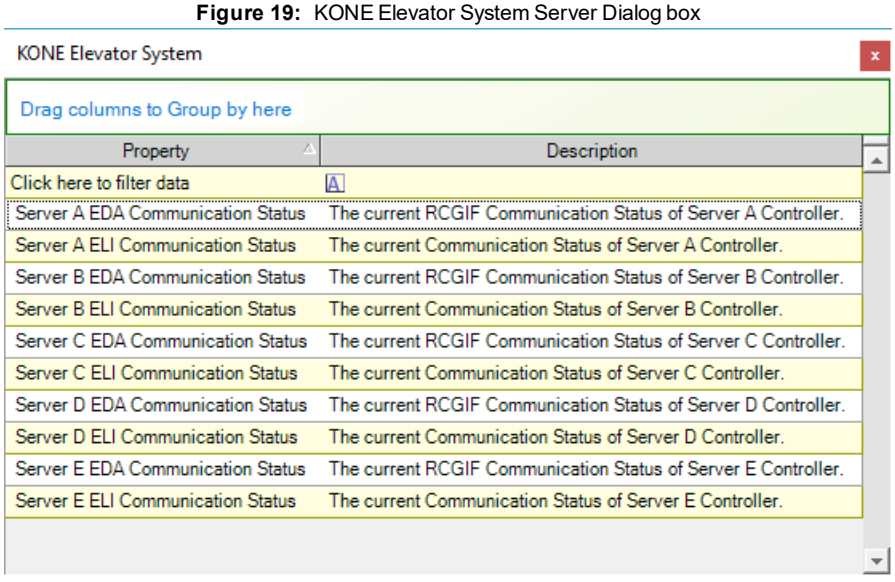
- Selecting Triggers to Activate Events on Page 51
- Deleting Triggers and Events on Page 52

Selecting Triggers to Activate Events

To Select Triggers to Activate Events

1. Click on the **Triggers** tab.
2. Click on the **Add** button.
3. Click in the blank row under **Property**, and then click on the selection button [...] to open the KONE Elevator System Server dialog box. KONE Elevator System Server dialog box appears, refer to Figure 19 on Page 51.

Figure 19: KONE Elevator System Server Dialog box



4. Click on the **ELI** or **EDA** Communication Status Servers A to E to select it.

NOTE Triggers support both ELI and RCGIF Servers from A to E.

5. Click in the blank field under **Value**.
6. Click on the drop-down menu and select **Offline** or **Online**.
7. Click on the drop-down menu under **Action** and select **Activate Event**. The Event field appears at the bottom of the dialog box.
8. Click on the selection button  .
9. Click on a pre-configured event to activate.
10. Click **Save and Close**.

Deleting Triggers and Events

To Delete a Trigger and Event from the Elevator Group

1. Click on the row selector button  to select the row.
2. Click the **Remove** button.

Status Tab

The Status tab, shown in Figure 20 on Page 54, provides read-only information about the operational status of Server A, Server B, Server C, Server D and Server E used by the KONE Elevator system.

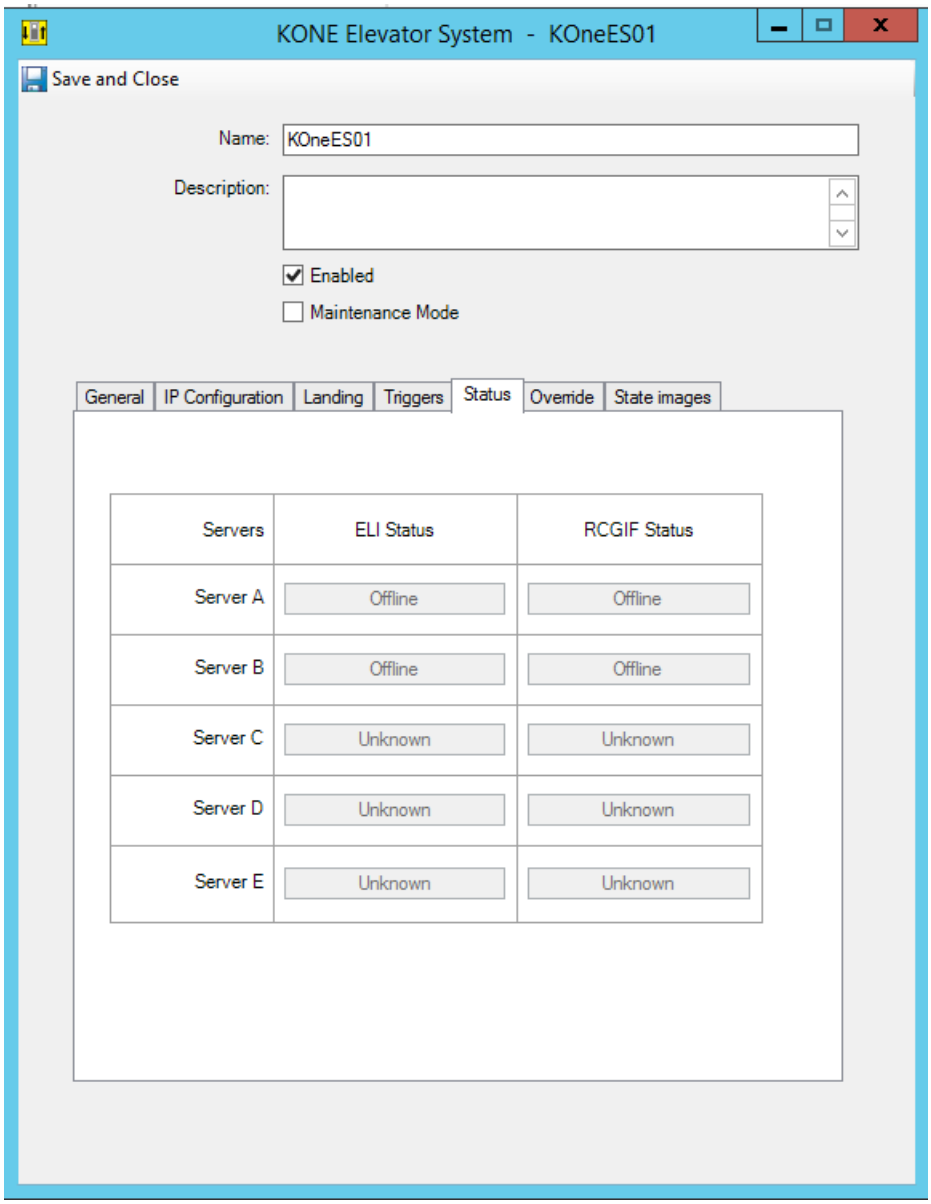
Supported values are:

- Online
- Offline
- Unknown

For more information, see the following:

- Status Tab Descriptions on Page 54

Figure 20: KONE Elevator System Editor – Status Tab



Status Tab Descriptions

The KONE Elevator System Editor–Status tab fields are described in Table 13 on Page 55.

Table 13: Status Tab Definitions

Elevator Interface	Field/Button	Description
Elevator Locking Interface (ELI)	Server A Communication Status	Value (Status): • Online: The KONE Elevator System is configured and communicating with the C•CURE 9000 server. • Offline: The KONE Elevator System is configured, but not communicating with the C•CURE 9000 server. • Unknown: The status cannot be determined, usually displayed after the initial KONE Elevator System configuration while waiting for the C•CURE 9000 server to update the status.
	Server B Communication Status	
	Server C Communication Status	
	Server D Communication Status	
	Server E Communication Status	
Remote Call Giving Interface (RCGIF)	Server A Communication Status	
	Server B Communication Status	
	Server C Communication Status	
	Server D Communication Status	
	Server E Communication Status	

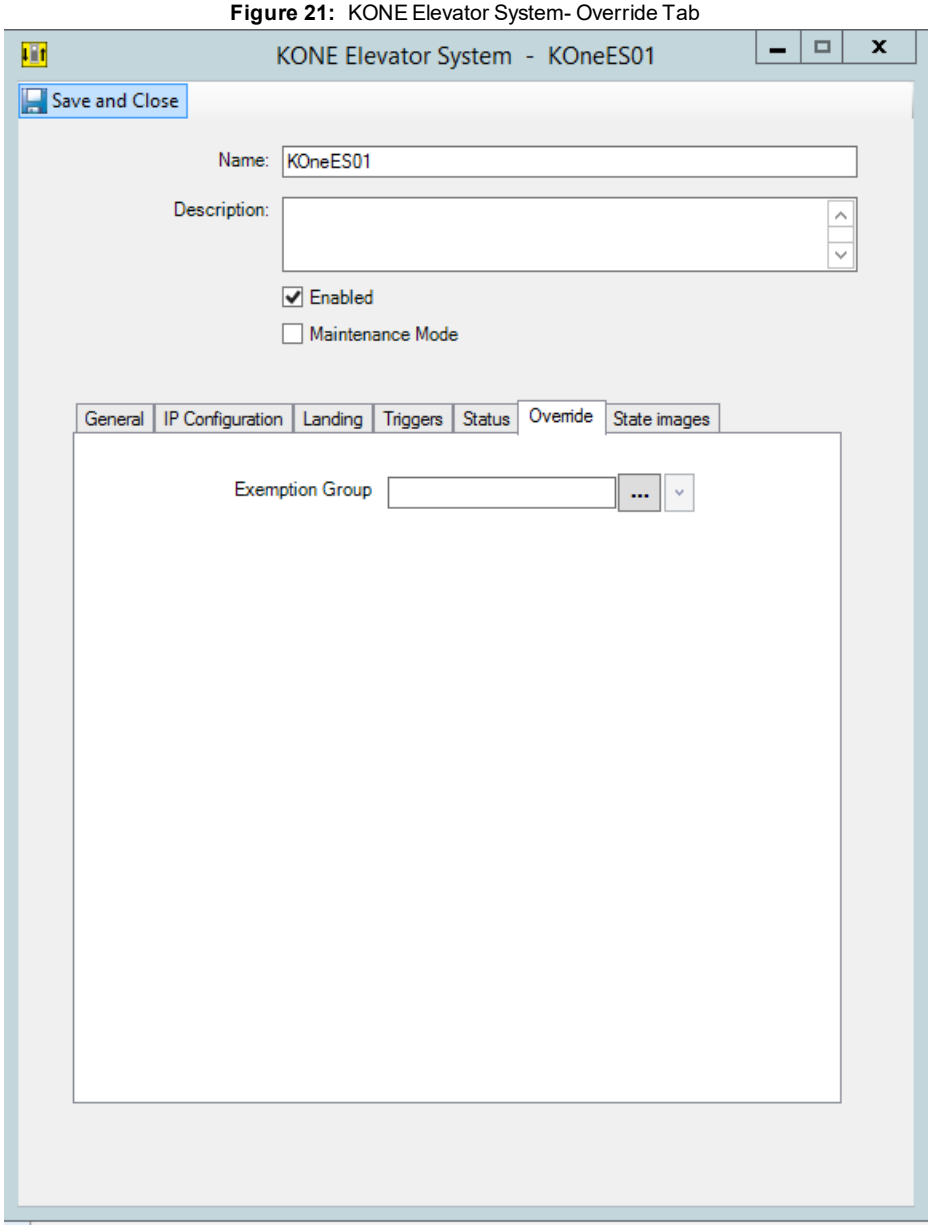
Override Tab

The Override tab, shown in Figure 21 on Page 56, is used to select a pre-configured personnel group that will be exempt from the manual secure landing action. The exempt personnel group selected allows the personnel in the group access to the landing when it is in the secured state.

For more information, see the following:

- Override Tab Definitions on Page 56
- Selecting an Exempt Personnel Group on Page 57

Figure 21: KONE Elevator System- Override Tab



Override Tab Definitions

See Table 14 on Page 57 for more information on the KONE Elevator System **Override** Tab.

Table 14: KONE Elevator System- Override Tab

Field	Description
Exemption Group	Click on the selection button  to select the pre- configured personnel group. See the C•CURE 9000 Software Configuration Guide for information on creating personnel groups.

Selecting an Exempt Personnel Group

To Select n Exempt Personnel Group

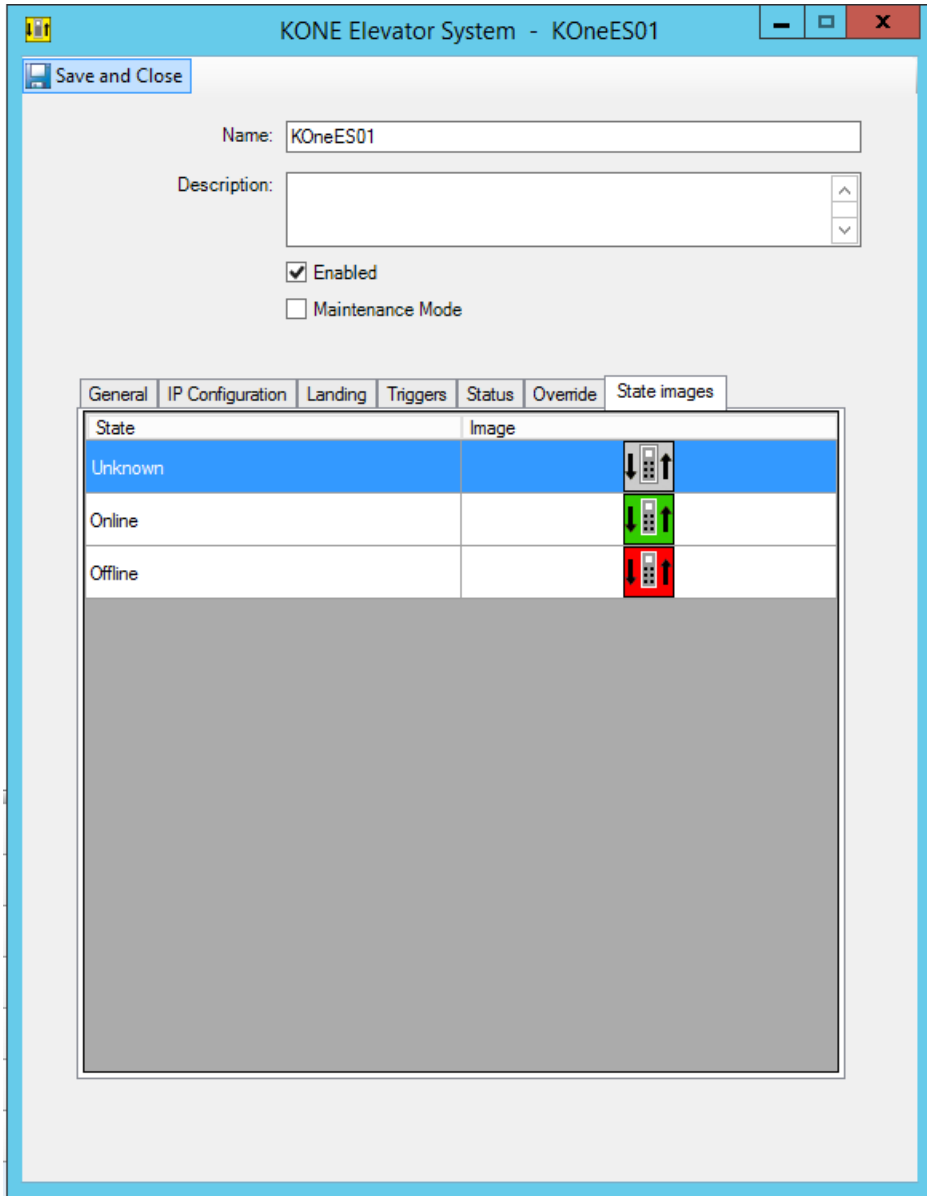
1. Click on the **Override** tab.
2. Click on the selection button  locate to the right of Exception Group. The Group selection box opens.
3. Click in the row below the **Name** column.
4. Click on the drop-down arrow to select the exempt personnel group.
5. Click **Save and Close** to save the configuration.

State Images Tab

The State Images tab, shown in Figure 22 on Page 58, displays the current elevator system images that display in the Monitoring Station to represent activities concerning the elevator system. You can select other images to display for this elevator system and return back to the default images, as described in this section.

See State Images Tab Tasks on Page 58 for information about changing the state images.

Figure 22: KONE Elevator System- State Images Tab



State Images Tab Tasks

The following tasks are performed in the State Images tab:

- Replace a State Image on Page 59
- Restore the Default State Image on Page 59

Replace a State Image

To Replace an Image

1. Double-click the default image in the tab to open a Windows file selection dialog box.
2. If necessary, navigate to find the new image.
3. Select the desired replacement image and click **Open**. The new image replaces the default image and displays in the State Images tab.

Restore the Default State Image

To Restore the Default Image

- Right-click on the image in the State Images tab and select **Restore Default**.

Maintenance Mode

Maintenance Mode is used to limit information about an object that is displayed on the Monitoring Station. Maintenance Mode only affects the information reported at the Monitoring Station.

A few examples for using the Maintenance Mode are:

- To prevent the display of information about:
  - Parts of the system being installed by an integrator
  - Hardware being serviced, requiring maintenance, or being tested.
- To only monitor information about hardware being serviced, requiring maintenance, or being tested.
- To view information about all objects, including those tagged to Maintenance Mode.

If you place an object in the Maintenance Mode, it does not prevent actions from occurring. For example, if an event assigned to an intrusion zone in Maintenance Mode activates an output that turns on the building-wide evacuation alarm, the activation of the output will still occur.

Maintenance Mode is only reported in Journal messages when an object is tagged to Maintenance Mode.

Operator Privilege and Application Layout Filtering assignments determine whether or not an object in Maintenance Mode is viewable, as being in Maintenance Mode, on the Monitoring Station.

Operators with the appropriate privileges and Application Layout Filtering can view objects in Maintenance Mode.

4

KONE Global Landing Matrix Configuration

This chapter provides the global landing matrix configuration procedures.

In this chapter

Accessing the KONE Global Landing Matrix Dialog Box

This section describes how to access the KONE Global Landing Matrix dialog box.

To Access the KONE Global Landing Matrix Dialog Box

1. Right-click on the KONE Elevator System folder and select **KONE Global Landing Matrix>New** as shown in Figure 23 on Page 61.

Figure 23: Access the KONE Global Landing Matrix Dialog Box

The KONE Global Landing Matrix dialog box, shown in Figure 24 on Page 62, opens.

KONE Global Landing Matrix Dialog Box

The KONE Global Landing Matrix dialog box, shown inFigure 24 on Page 62, is used to configure the Destination Front, Destination Rear, Source Front, and Source Rear floors of the elevator system. User can configure Global Landing Matrix from 1 to 255.

If an elevator system configured is with a global landing matrix and a DOP/COP is associated with another landing matrix, the global landing matrix is used by all DOPs/COPs in the elevator system.

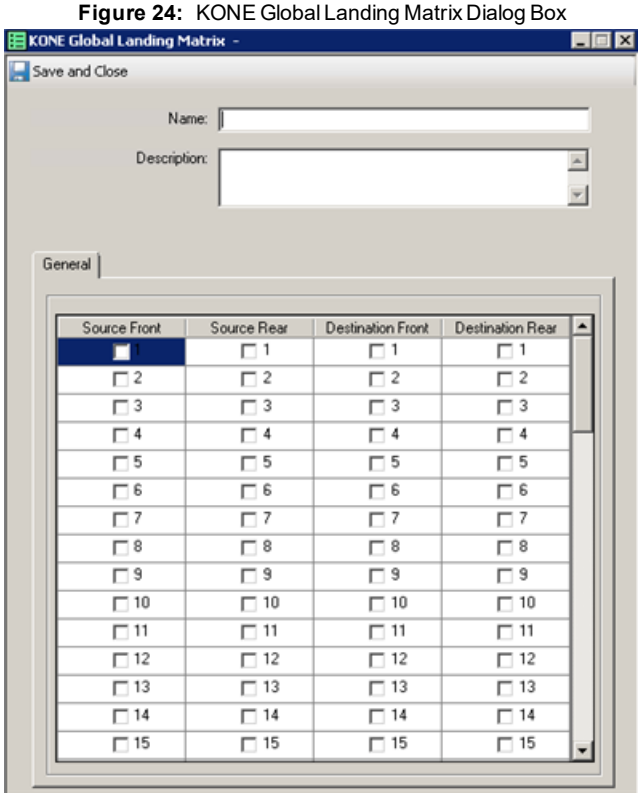
NOTE

- COP Global Landing Matrix: only Destination Front and Destination Rear data is sent to KONE elevator system.
- DOP Global Landing Matrix: Destination Front, Destination Rear, Source Front, and Source Rear data is sent to the elevator system.

For more information see the following:

- KONE Global Landing Matrix Dialog Box Definitions on Page 62
- KONE Global Landing Matrix Dialog Box Tasks on Page 63

Figure 24: KONE Global Landing Matrix Dialog Box



KONE Global Landing Matrix Dialog Box Definitions

Table 15 on Page 63 describes the KONE Global Landing Matrix dialog box fields and buttons.

Table 15: KONE Global Landing Matrix Dialog Box Definitions

Field/Button	Description
Name	A unique name identifying the global landing matrix configuration. • The name is not case-sensitive • Minimum number of characters: 1 • Maximum number of characters: 100
Description	(Optional) A description for the global landing matrix configuration. • The description is not case-sensitive. • Minimum number of characters: None • Maximum number of characters: 500
Save and Close	Saves the configuration and closes the dialog box
General Tab	
Source Front	The front side of the floor from where the passenger can enter the elevator
Source Rear	The rear side of the floor from where the passenger can enter the elevator
Destination Front	Front side of the elevator where the passenger travels
Destination Rear	Destination side of the elevator where the passenger travels

KONE Global Landing Matrix Dialog Box Tasks

This section describes the following tasks:

- Creating a Global Landing Matrix Configuration on Page 63
- Editing a Global Landing Matrix Configuration on Page 64
- Viewing Global Landing Matrix Configurations on Page 64
- Deleting a Global Landing Matrix Configuration on Page 64
- Creating a Global Landing Matrix Configuration Template on Page 64

Creating a Global Landing Matrix Configuration

To Create a Global Landing Matrix Configuration

1. Right-click on the **KONE Elevator System** folder in the Hardware tree and select **KONE Global Landing Matrix>New**. Alternately, you can select **KONE Global Landing Matrix** from the Hardware drop-down menu, and then click on the **New** icon.
2. Enter a name for the global landing matrix in the **Name** field.
3. Enter a description (optional) for the global landing matrix in the **Description** field.

4. Click in the check-boxes next to the floors in the Source and Destination columns that you want to include in the global landing matrix configuration.

Editing a Global Landing Matrix Configuration

To Edit a Global Landing Matrix Configuration

1. Double-click on the **Global Landing Matrix** in the hardware tree. Alternately, you can select **KONE Global Landing Matrix** from the Hardware drop-down menu, and then click on the green right-arrow  to open a Dynamic View displaying all global landing matrix configurations.
2. Make the changes to the configuration.
3. Click **Save and Close**.

Viewing Global Landing Matrix Configurations

To View Global Landing Matrix Configurations

1. Select **KONE Global Landing Matrix** from the Hardware drop-down menu.
2. Click on the green right-arrow  to open a Dynamic View displaying all Global Landing Matrix configurations.

Deleting a Global Landing Matrix Configuration

To Delete a Global Landing Matrix Configuration

1. Right-click on the **Global Landing Matrix** that you want to delete and select **Delete** from the context menu. The Deleting KONE Global Landing Matrix objects dialog box opens.
2. Click **Yes** to confirm the deletion. The object is deleted.
3. Click **OK** to confirm that the object was deleted.

Creating a Global Landing Matrix Configuration Template

To Create a Global Landing Matrix Configuration Template

1. Right-click on the **KONE Elevator System** folder and select **KONE Global Landing Matrix>New Template**. (Alternately, you can right-click on the **KONE Global Landing Matix** icon and select **New Template**.)
2. Enter a name for the template in the **Name** field.
3. Enter a description (optional) in the **Description** field.
4. Click in the check-boxes next to the floors in the Source and Destination columns that you want to include in the global landing matrix configuration template.
5. Click **Save and Close** when done. The new template is listed under **KONE Global Landing Matrix>Templates**.

5

KONE Default Landing Matrix Configuration

This chapter describes how to configure a default landing using the KONE Default Landing Matrix

dialog box.

In this chapter

Accessing the KONE Default Landing Matrix Dialog Box

This section describes how to access the KONE Default Landing Matrix dialog box.

To Access the Dialog Box

1. Open the C•CURE 9000 Administration Station.
2. Click on the **Hardware Pane**.
3. Click on the Hardware drop-down menu and select Hardware Folder.
4. Right-click on the **KONE Elevator System** folder and select **KONE Default Landing Matrix>New**, as shown in Figure 25 on Page 66. (Alternately, you can right-click on the **KONE Default Landing Matrix** icon and select **New**.)

Figure 25: Access the KONE Default Landing Matrix Dialog Box

The KONE Default Landing Matrix dialog box, as shown in Figure 26 on Page 67, opens.

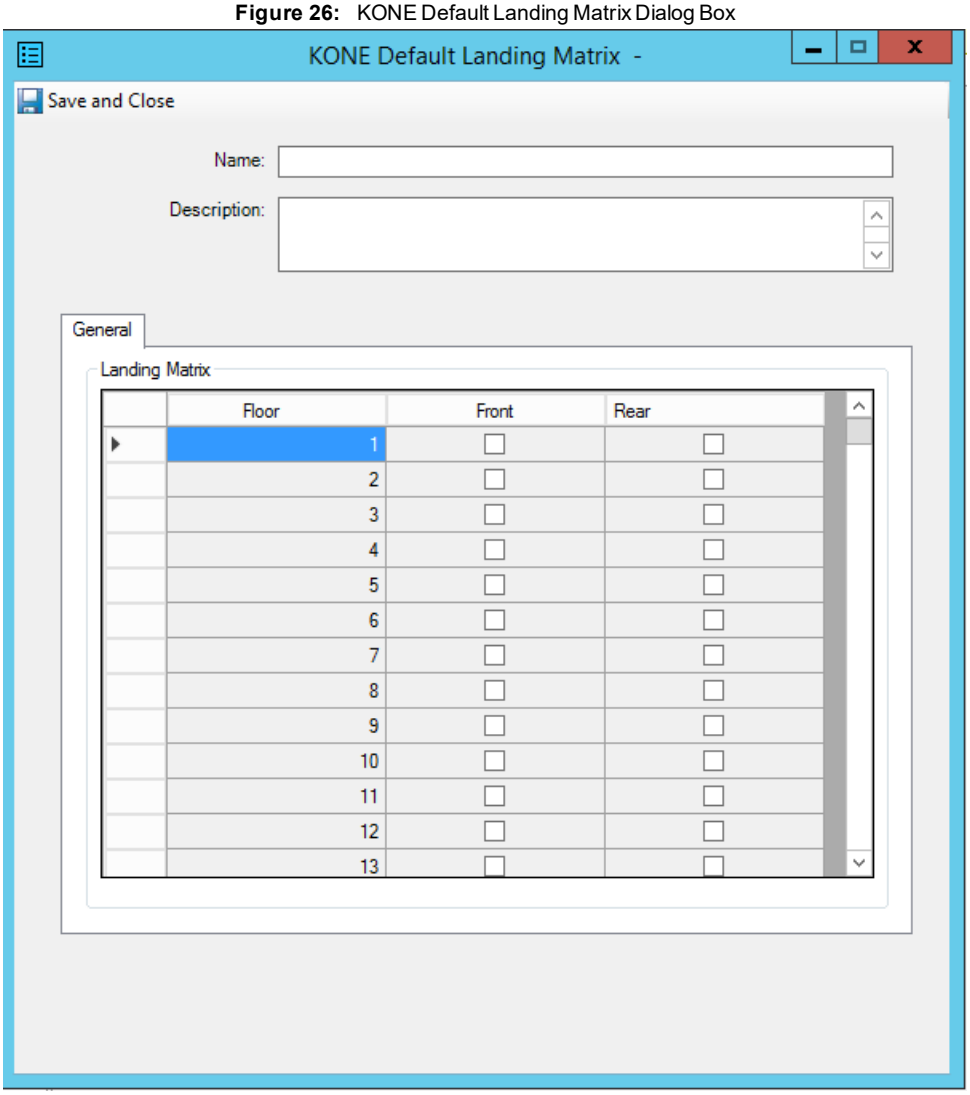
KONE Default Landing Matrix Dialog Box

The KONE Default Landing Matrix dialog box, shown in Figure 26 on Page 67, is used to configure a common access Landing Matrix with no personnel clearances. User can configure up to 255 front and 255 rear doors.

For more information, see the following:

- KONE Default Landing Matrix Dialog Box Definitions on Page 67
- KONE Default Landing Matrix Tasks on Page 68

Figure 26: KONE Default Landing Matrix Dialog Box



KONE Default Landing Matrix Dialog Box Definitions

The KONE Default Landing Matrix dialog box fields and buttons are described in Table 16 on Page 68.

Table 16: KONE Elevator System Default Landing Dialog Box Definitions

Field/Button	Description
Name	A unique name identifying the default landing matrix configuration. • The name is not case-sensitive • Minimum number of characters: 1 • Maximum number of characters: 100
Description	(Optional) A description for the default landing matrix configuration. • The description is not case-sensitive • Minimum number of characters: None • Maximum number of characters: 500
Save and Close	Saves the configuration and closes the dialog box.
General Tab	
Landing Matrix	Select the front and rear doors of the floors to be included in the configuration. • Checked indicates selected • Unchecked indicates not selected

KONE Default Landing Matrix Tasks

This section describes the following tasks.

- Creating a Default Landing Matrix on Page 68
- Editing a Default Landing Matrix Configuration on Page 69
- Viewing Default Landing Matrix Configurations on Page 69
- Creating a Default Landing Matrix Template on Page 69
- Deleting a Default Landing Matrix Configuration on Page 69

Creating a Default Landing Matrix

To Create a Default Landing Matrix

1. Right-click on the **KONE Elevator System** folder in the Hardware tree and select **KONE Default Landing Matrix>New**. (Alternately, you can select **KONE Default Landing Matrix** from the Hardware drop-down menu, and then click on the **New** icon.
2. Enter a name for the default landing matrix in the **Name** field.
3. Enter a description (optional) for the default landing matrix in the **Description** field.
4. Click in the check-boxes next to the floors that you want to include in the default landing matrix. • F = Front • R = Rear
5. Click **Save and Close** when done. The default landing matrix is listed under **KONE Default Landing Matrix** in the tree under the **KONE Elevator System** folder.

Editing a Default Landing Matrix Configuration

To Edit a Default Landing Matrix Configuration

1. Click on the arrow located to the left of the **KONE Elevator System** folder.
2. Click on the arrow located to the left of **KONE Default Landing Matrix** icon.
3. Right-click on the **Default Landing Matrix** that you want to edit and select **Edit** from the context menu. (Alternately, you. can double-click on the **KONE Default Landing Matrix** icon to open a Dynamic View displaying **KONE Default Landing Matrix** configurations. Then, either double-click on the **Default Landing Matrix** or right-click on the **Default Landing Matrix** that you want to edit to open the **KONE Default Landing Matrix** dialog box.) The **KONE Default Landing Matrix Dialog** box opens.
4. Make your changes to the configuration.
5. Click **Save and Close**.

Viewing Default Landing Matrix Configurations

Default Landing Matrix configurations are viewed in the Dynamic View

To View Default Landing Matrix Configurations

1. Double-click on the **KONE Default Landing Matrix** icon under the **KONE Elevator System** folder. Default Landing Matrix configurations are displayed in the KONE Default Landing Matrix tab in the Dynamic View.

Creating a Default Landing Matrix Template

To Create a Default Landing Template

1. Right-click on the **KONE Elevator System** folder and select **KONE Default Landing Matrix>New Template**. (Alternately, you can right-click on the **KONE Default Landing Matrix** icon and select **New Template**.)
2. Enter a name for the template in the **Name** field.
3. Enter a description (optional) in the **Description** field.
4. Click in the check boxes next to the floors that you want to include in the Default Landing Matrix template.
   - F = Front
   - R = Rear
5. Click **Save and Close** when done. The new template is listed under **KONE Default Landing Matrix>Templates**.

Deleting a Default Landing Matrix Configuration

NOTE You cannot delete a Default Landing Matrix if there are DOP configurations associated with the Default Landing Matrix. You must delete the DOP configurations before you can delete the Default Landing Matrix.

To Delete a Default Landing Matrix Configuration

1. Click on the arrow located to the left of the KONE Elevator System folder.
2. Click on the arrow located to the left of the **KONE Default Landing Matrix**.

3. Right-click on the **Default Landing Matrix** that you want to delete and select **Delete**. (Alternately, you can right-click on a **Default Landing Matrix** configuration in the Dynamic View and select **Delete**.) The Deleting KONE Default Landing Matrix objects dialog box opens.
4. Click **Yes** to confirm the deletion. The object is deleted.
5. Click **OK** to confirm that the object was deleted.

6

KONE Landing Configuration

This chapter describes how to configure a landing using the KONE Landing dialog box.

In this chapter:

Accessing the KONE Landing Dialog Box

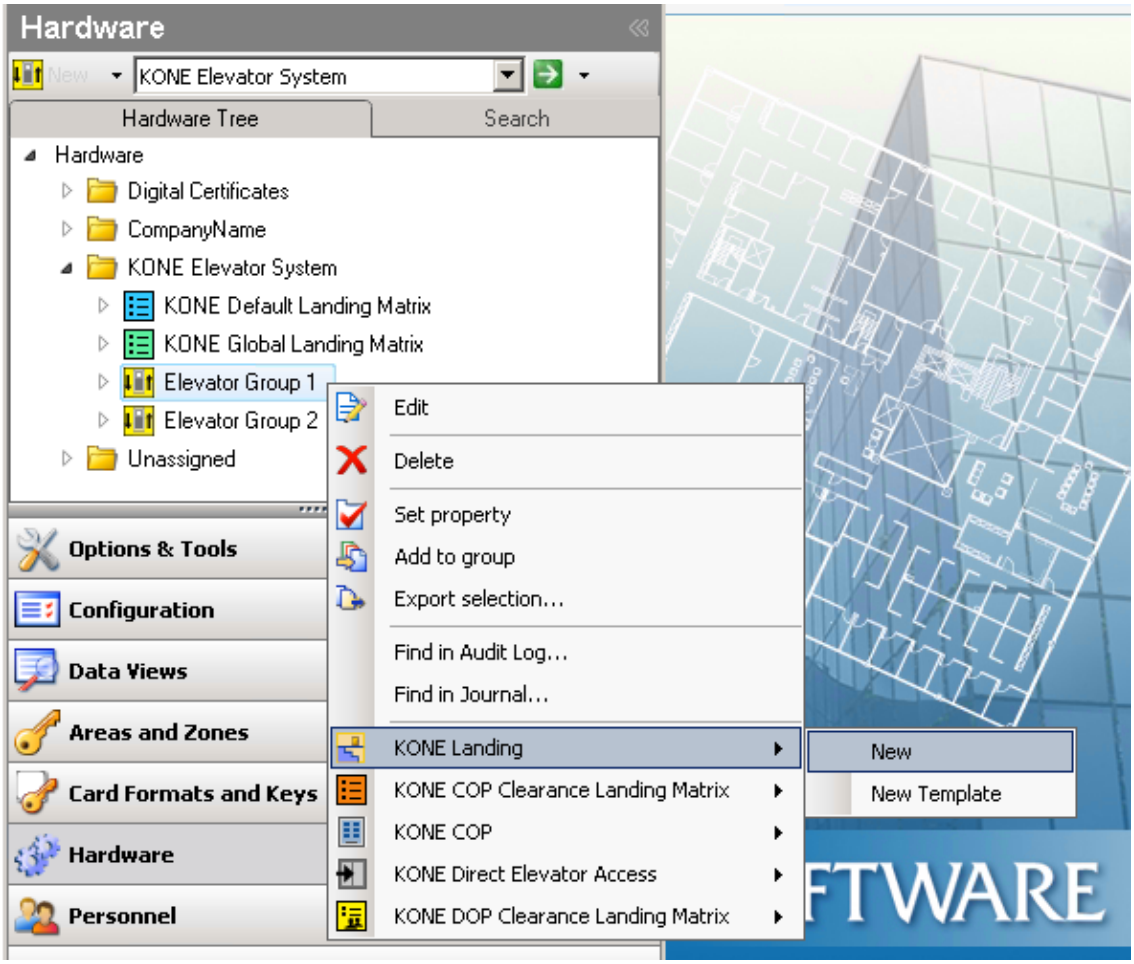
The KONE Landing dialog box is used to identify a Landing index to be used by the Elevator System.

NOTE The KONE Elevator System must be configured before you can access this dialog box. See Chapter 3: KONE Elevator System Configuration for more information.

To Access the KONE Landing Dialog Box

1. Right-click on the **Elevator System** icon under the **KONE Elevator System** folder in the Hardware tree, and select **KONE Landing>New**, as shown in Figure 27 on Page 72.

Figure 27: Access the KONE Landing Dialog Box



The KONE Landing dialog box, shown in Figure 28 on Page 73, opens.

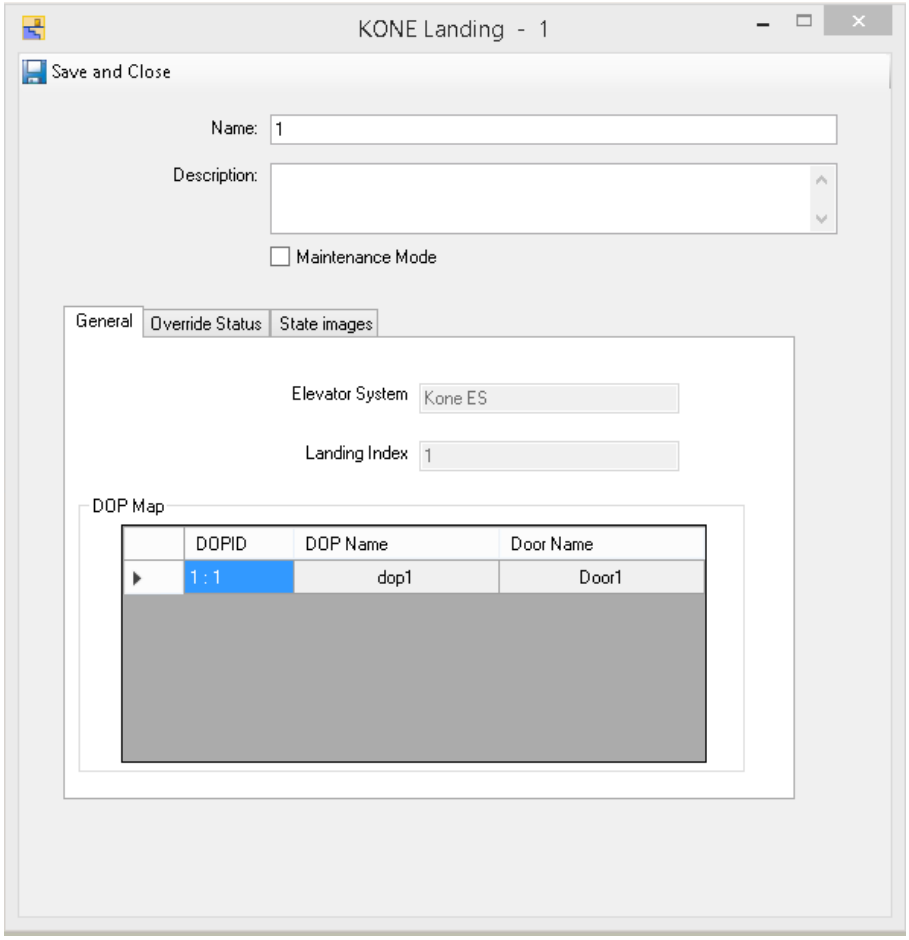
KONE Landing Dialog Box

The KONE Landing dialog box, shown in Figure 28 on Page 73, lets you create a landing to be used by the Elevator System.

For more information, see the following:

- KONE Landing Dialog Box Definitions on Page 73
- KONE Landing Dialog Box Tasks on Page 74

Figure 28: KONE Landing Dialog Box



KONE Landing Dialog Box Definitions

Table 17 on Page 73 describes the KONE Landing dialog box fields and buttons.

Table 17: KONE Elevator System Landing Dialog Box Definitions

Field/Button	Description
Name	The Landing Index value you enter appears in the Name field. • The name is not case-sensitive • Minimum number of characters: 1 • Maximum number of characters: 100

Table 17: KONE Elevator System Landing Dialog Box Definitions (continued)

Field/Button	Description
Description	Optional. Enter a description for the landing. • The description is not case-sensitive. • Minimum number of characters: None • Maximum number of characters: 500
Maintenance Mode	Select the Maintenance mode check box to limit information about the object, that is displayed on the Monitoring Station. Maintenance Mode only affects the information reported at the Monitoring Station. For more information see, Maintenance Mode on Page 59.
Save and Close	Saves the configuration and closes the dialog box
General Tab	
Elevator System	The name of the KONE Elevator System. This field is read-only.
Landing Index	Enter a numeric value of 1 to 255 to identify the Landing.
DOP Map	NOTE: The following read-only information is not available until the DOP Configuration and the Landing Matrix Configurations are complete. • DOPID – The unique identifier for the DOP, which contains the DOP ID and the Landing number. • DOP Name – The name of the configured DOP. • Door Name – The name of the assigned door.
Override Status Tab	
Override Status	Displays the override details of the floor object. This field is read-only.

KONE Landing Dialog Box Tasks

This section describes the following tasks:

- Creating a Landing Configuration on Page 74
- Editing a Landing Configuration on Page 75
- Viewing Landing Configurations on Page 75
- Deleting a Landing Configuration on Page 75

Creating a Landing Configuration

To Create a Landing Configuration

1. Click **Save and Close**.
2. Enter a description (optional) in the **Description** field for the Landing Index.

3. Enter a name for the landing in the **Name** field.
4. Enter a numeric value of 1 to 255 to uniquely identify the landing in the Landing Index field.
5. Right-click on the **Elevator System** in the tree and select **KONE Landing>New**.

Editing a Landing Configuration

To Edit a Landing Configuration

1. Double-click on the **Landing** configuration in the tree that you want to edit. (Alternately, you can right-click on the **Landing** configuration in the tree and select **Edit** from the context menu.)
2. Make the changes to the configuration.
3. Click **Save and Close**.

Viewing Landing Configurations

To View Landing Configurations

1. Select **KONE Landing** from the **Hardware** drop-down menu.
2. Click on the green right arrow  to open a Dynamic View displaying all Landings.
3. The KONE Landing tab opens in the Dynamic View displaying a list of KONE Landing configurations.

Deleting a Landing Configuration

NOTE You cannot delete a landing if there are DOP configurations associated with the landing. You must delete the DOP configurations before you can delete the landing.

To Delete a Landing Configuration

1. Right-click on the **Landing** configuration that you want to delete and select **Delete** from the context menu. (Alternately, you can select **KONE Landing** from the Hardware drop-down menu and click on the green right arrow  to open a Dynamic View displaying all Landings.)
2. The **Deleting KONE Landing** objects dialog box opens.
3. Click **Yes** to confirm the deletion. The object is deleted.
4. Click **OK** to confirm that the object was deleted.

KONE Landing Dialog Box Tabs

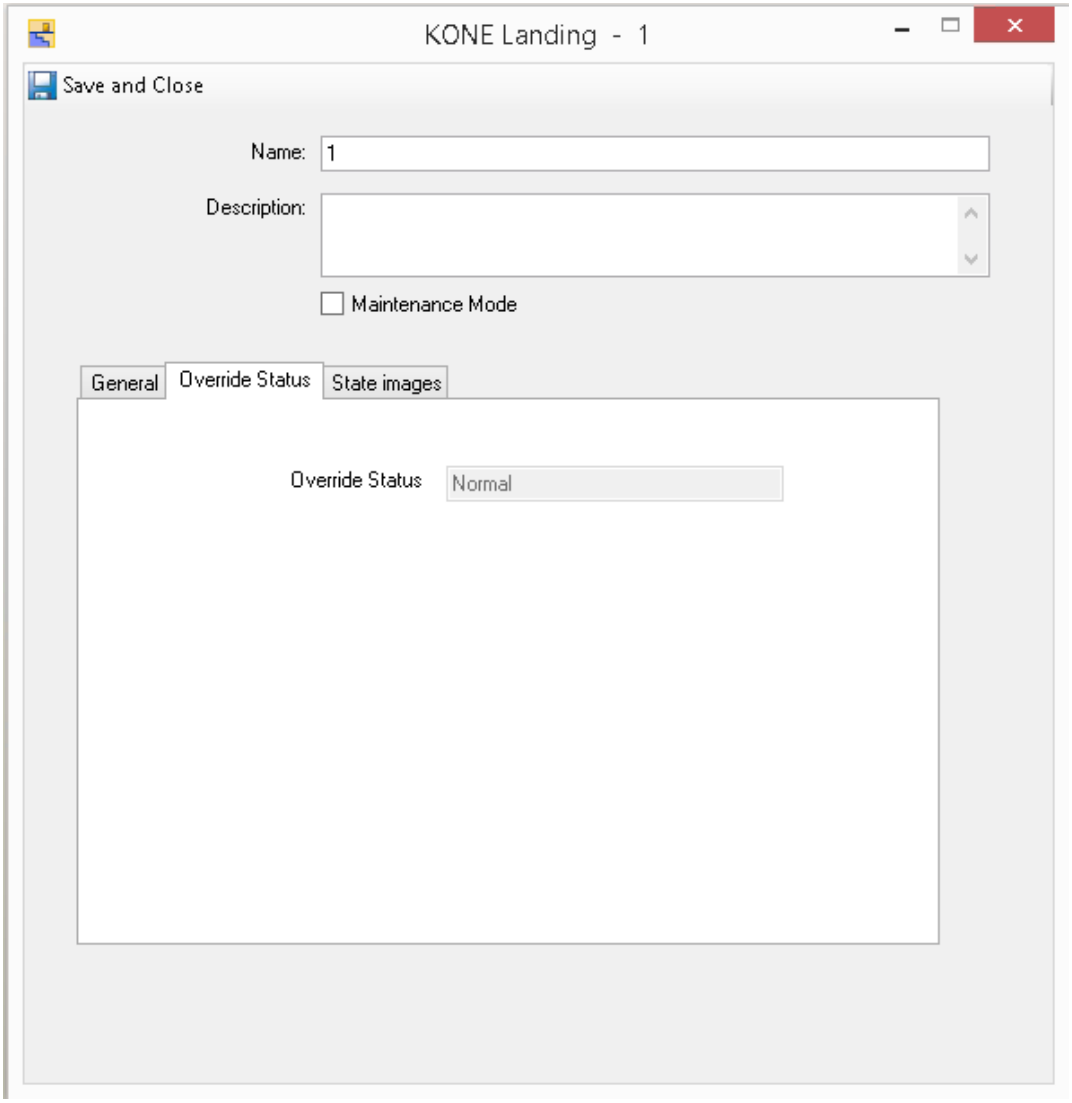
The following sections provide information about the KONE Landing dialog box tabs:

- Landing Dialog Box - Override Tab on Page 76
- Landing Dialog Box - State Images Tab on Page 77

Landing Dialog Box - Override Tab

The Override tab, shown in Figure 29 on Page 76, provides read-only information about override status of the landing for which manual action is performed. For a landing, the Override Status can be, Secure, Unsecure or Normal.

Figure 29: Landing Dialog Box - Override Tab



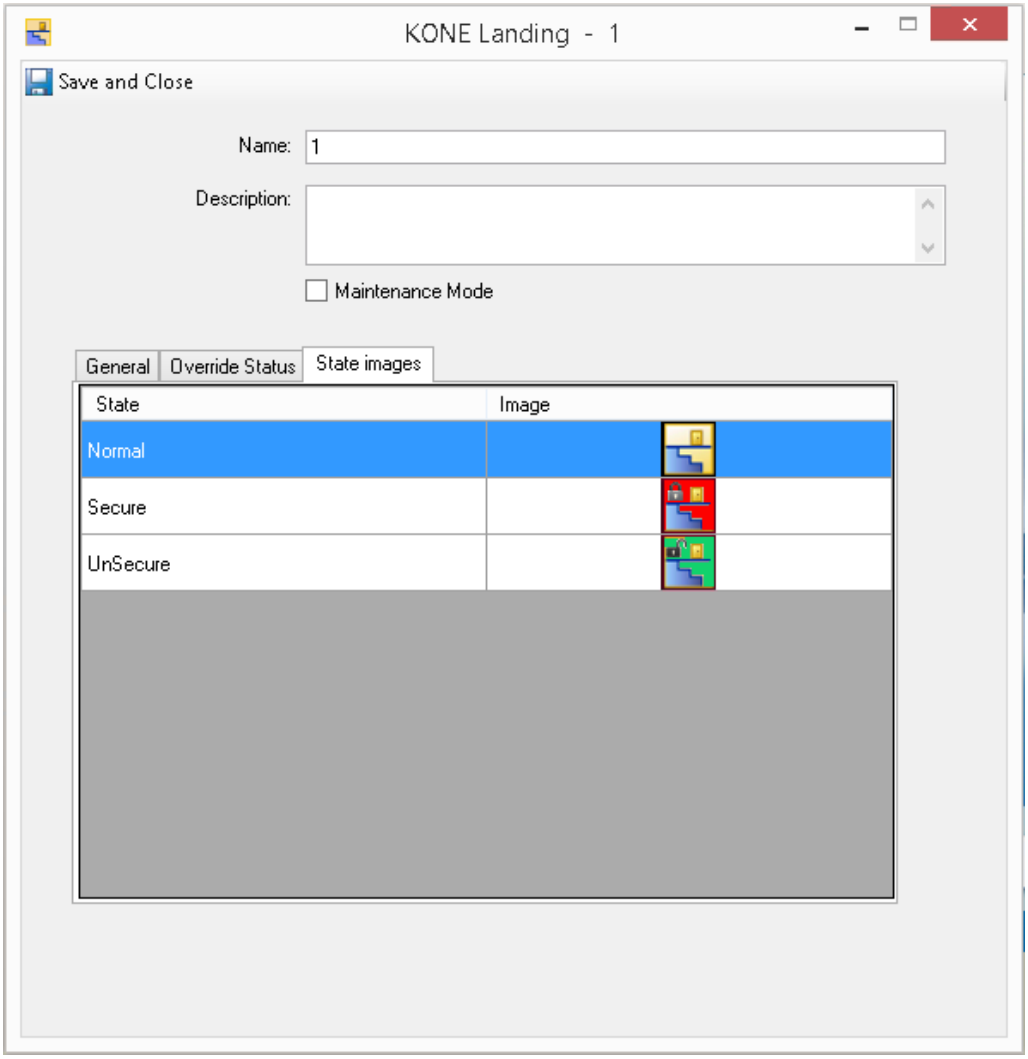
Landing Dialog Box - State Images Tab

The State Images tab, shown in Figure 30 on Page 77, displays the current elevator system images that display in the Monitoring Station to represent the manual action activities concerning the elevator system. You can select other images to display for this elevator system and return back to the default images, as described in this section.

For information about manual actions, see KONE Landing Manual Actions on Page 79.

See State Images Tab Tasks on Page 77 for information about changing the state images.

Figure 30: Landing Dialog Box - State Images Tab



State Images Tab Tasks

The following tasks are performed in the State Images tab:

- Replace a State Image on Page 78
- Restore the Default State Image on Page 78

Replace a State Image

To Replace an Image

1. Double-click the default image in the tab to open a Windows file selection dialog box.
2. If necessary, navigate to find the new image.
3. Select the desired replacement image and click **Open**. The new image replaces the default image and displays in the State Images tab.

Restore the Default State Image

To Restore the Default Image

- Right-click on the image in the State Images tab and select **Restore Default**.

KONE Landing Manual Actions

A Manual Action is a specific type of action that the operator can perform on objects in the system. Manual Actions are those actions that open a Manual Action dialog box, and the actions are also logged in the Activity Viewer as “Manual Event by Operator Name,” along with the Name of the action, Name of the Event, Partition, date and time. Completed Manual actions are logged in the Activity Viewer.

KONE Landing Manual Actions are **Secure Landing** and **Un-secure Landing**.

For more information, see the following:

- Accessing KONE Landing Manual Actions on Page 79
- Using Manual Actions to Secure a Landing on Page 80
- Using Manual Actions to Un-Secure a Landing on Page 81
- Cancel Manual Actions on Page 134

For information about configuring KONE events and actions, see KONE Events on Page 128.

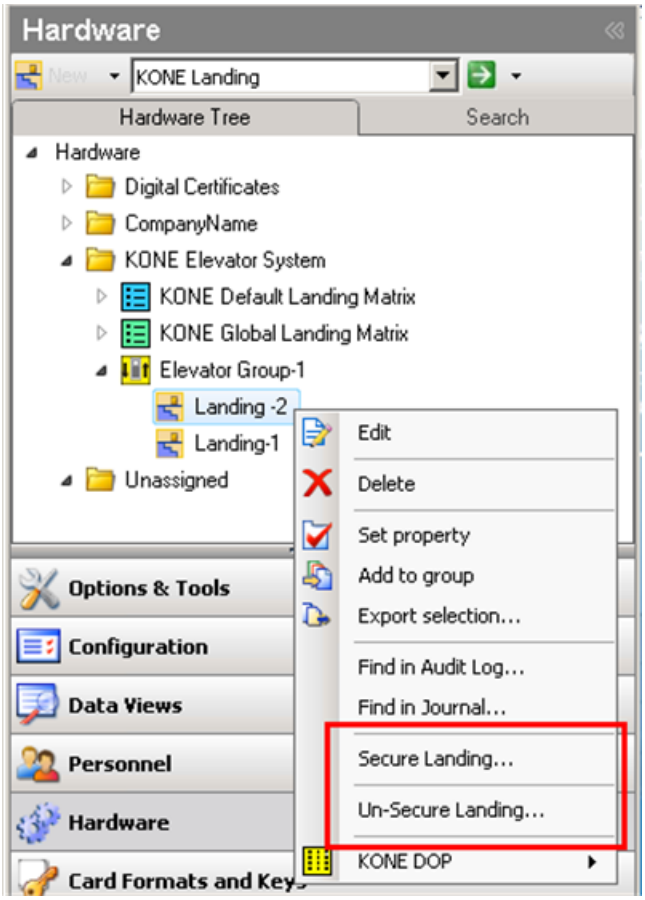
Accessing KONE Landing Manual Actions

NOTE The Landing (KONE Landing Dialog Box on Page 99) must be configured before you can secure or un-secure a landing.

To Access the KONE Landing Manual Actions

1. Click on the KONE Elevator System folder in the Hardware tree.
2. Right-click on the KONE Landing that you want to perform the Manual Action.
3. The Manual Action selections are Secure Landing and Un-Secure Landing as shown in Figure 31 on Page 80.

Figure 31: Accessing the KONE Landing Manual Actions



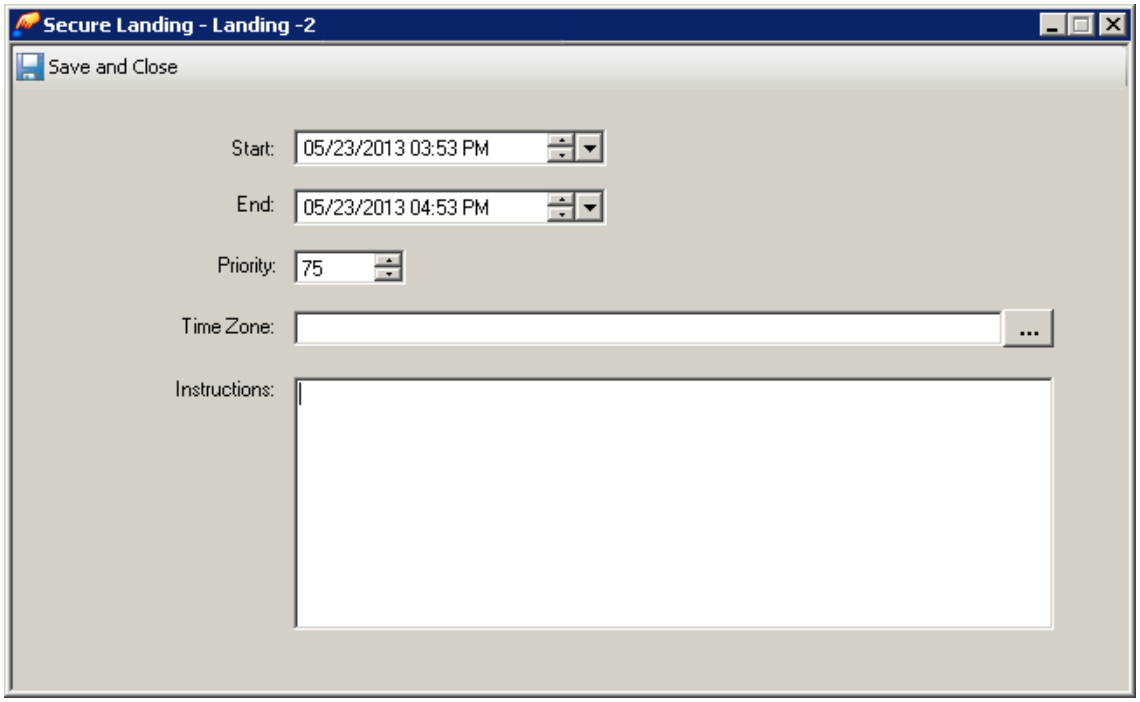
Using Manual Actions to Secure a Landing

This action secures the Landing. There is no access to the Landing during the date and time value set except the personnel in the Exemption Group list. When a Landing is secured the associated floor of the Default Landing Matrix gets locked.

To Secure a Landing

1. Right-click on the Landing configuration that you want to secure and select **Secure Landing** from the context menu. The Secure Landing dialog box opens.

Figure 32: KONE Secure Landing Dialog Box



2. Enter the time and date to secure the Landing in the **Start** field, or click to use the calendar controls to set the date.
3. Enter the time and date to un-secure the Landing in the **End** field, or click to use the calendar controls to set the date.
4. Select the **Priority**. This field indicates the priority level the system uses for sorting when displaying on the Monitoring Station and prioritizing actions associated with the event. The default priority is 75, Medium Low. Select a value from the drop-down list or type an integer from 0 to 200 to assign a priority to the Event. The lowest value is 0; the highest is 200.
5. Select the **Time Zone** for the secure and un-secure times.
6. Enter a note for future reference in the **Instructions** field.

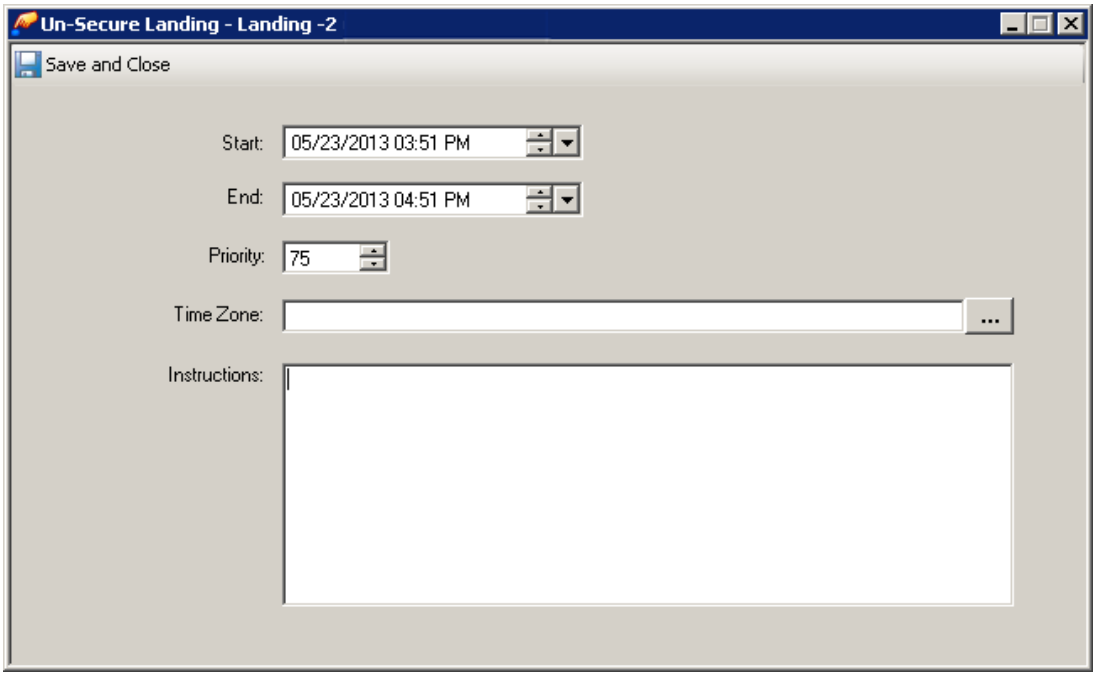
Using Manual Actions to Un-Secure a Landing

This action un-secures the Landing. Everyone will have access to the Landing during the date and time value set. When a Landing is unsecured, the Default Landing Matrix is also un-secured.

To Un-Secure a Landing

1. Right-click on the Landing configuration that you want to un-secure and select Un-Secure Landing from the context menu. The Un-Secure Landing dialog box opens.

Figure 33: KONE Un-Secure Landing Dialog Box



2. Enter the time and date to un-secure the Landing in the **Start** field, or click to use the calendar controls to set the date.
3. Enter the time and date to end the un-secure Landing in the **End** field, or click to use the calendar controls to set the date.
4. Select the Priority. This field indicates the priority level the system uses for sorting when displaying on the Monitoring Station and prioritizing actions associated with the event. The default priority is 75, Medium Low. Select a value from the drop-down list or type an integer from 0 to 200 to assign a priority to the Event. The lowest value is 0; the highest is 200.
5. Select the **Time Zone** for the secure and un-secure times.
6. Enter a note for future reference in the **Instructions** field.

NOTE Whenever the manual action (secure landing or un-secure landing) is triggered and in between KONE Elevator System integration restarts, the floor normal message is displayed first on the Monitoring station and then manual action (secure landing or un-secure landing) message is displayed.

NOTE Manual Action which is triggered last will be processed irrespective of the Priority set.

7

KONE COP Clearance Landing Matrix Configuration

This chapter describes to configure clearances using the KONE COP Clearance Landing Matrix dialog box.

In this chapter

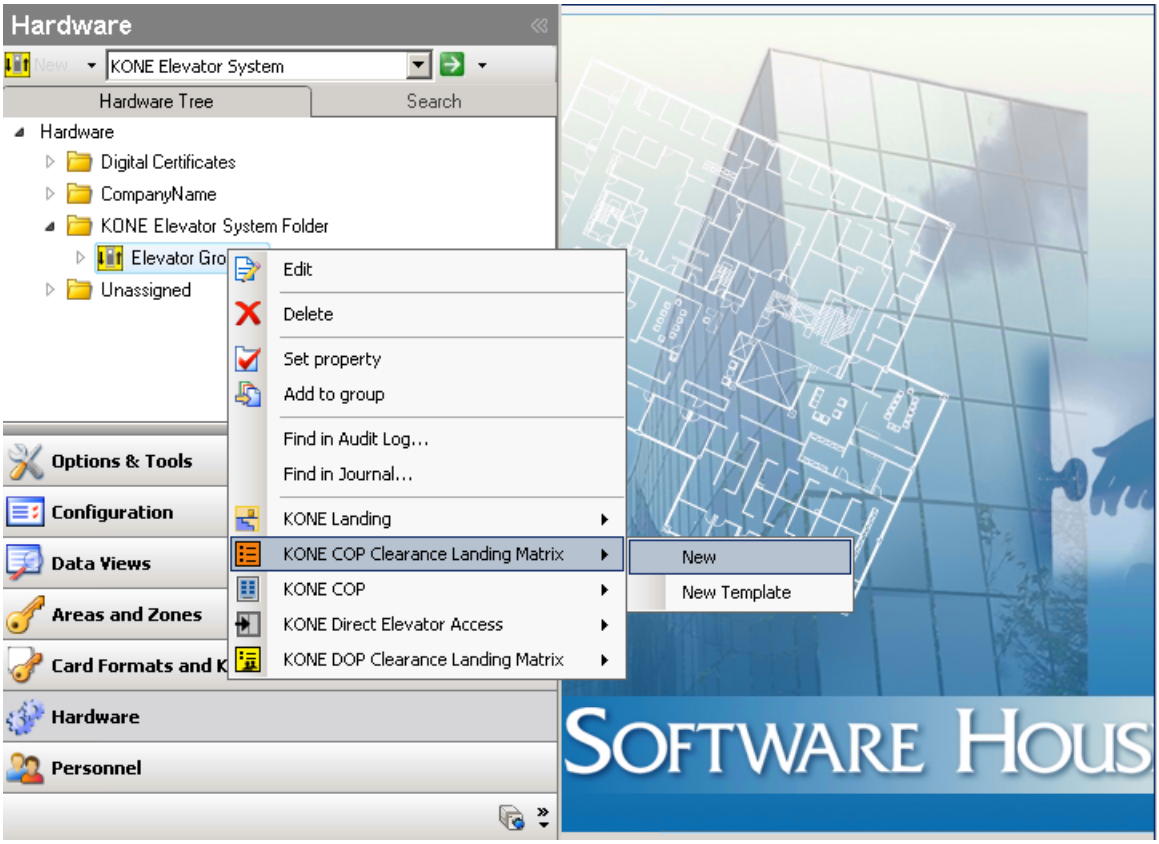
Accessing the KONE COP Clearance Landing Matrix Dialog

This section describes how to access the KONE COP Clearance Landing Matrix dialog box.

To Access the Dialog Box

1. Right-click on the Elevator System icon under the KONE Elevator System folder and select **KONE Clearance Landing Matrix>New**, as shown in Figure 34 on Page 84.

Figure 34: Access the KONE COP Clearance Landing Matrix Dialog Box



The KONE Clearance Landing Matrix dialog box, as shown in Figure 35 on Page 86, opens.

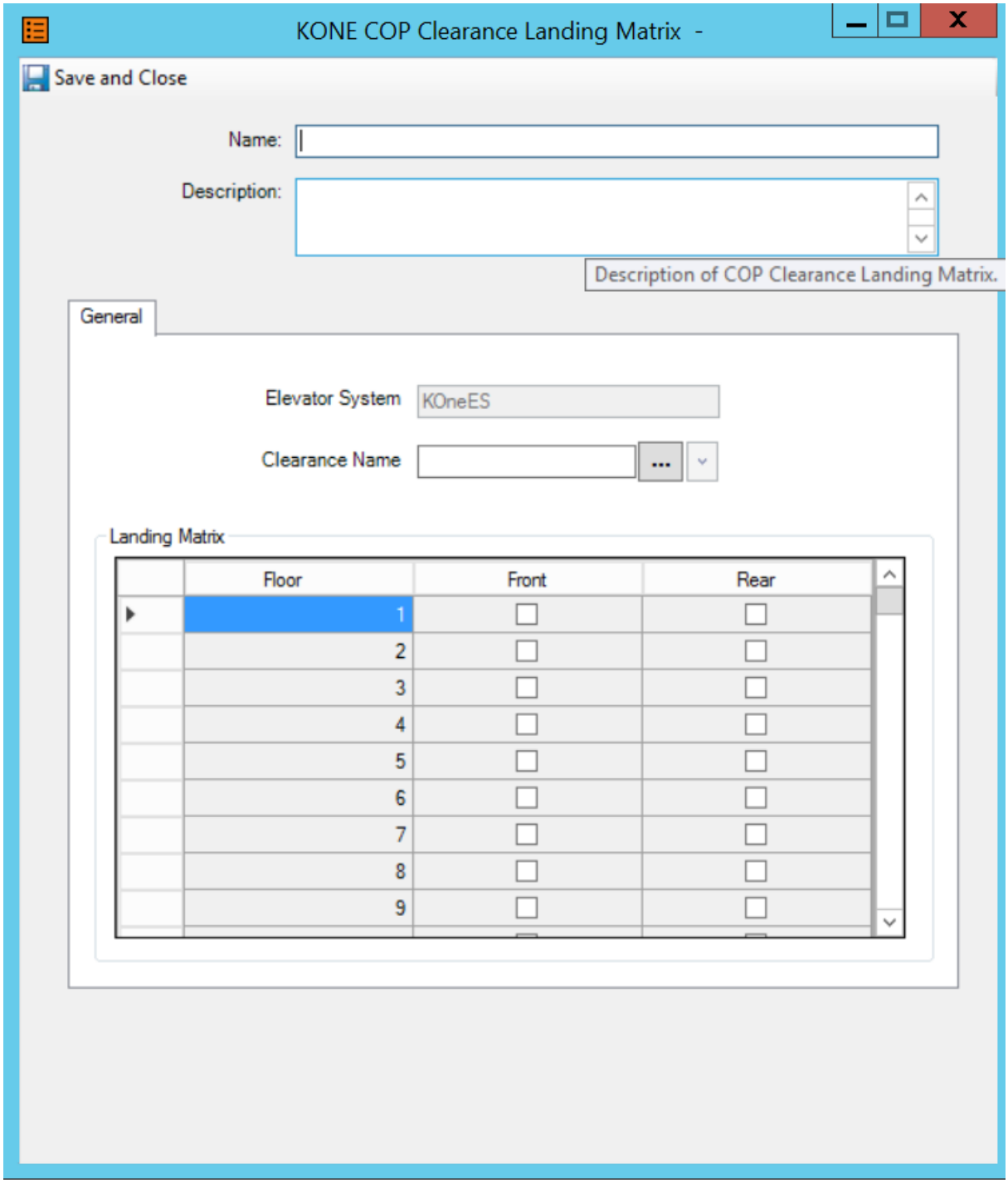
KONE COP Clearance Landing Matrix Dialog Box

The KONE COP Clearance Landing Matrix dialog box, shown inFigure 35 on Page 86, is used to define up to 255 front and 255 rear doors that can be accessed by cardholders that have a clearance associated with the landing matrix.

For more information, see the following:

- Accessing the KONE COP Clearance Landing Matrix Dialog on Page 84
- KONE COP Clearance Landing Matrix Dialog Box Definitions on Page 86
- KONE DOP Clearance Landing Matrix Dialog Box Tasks on Page 122

Figure 35: KONE COP Clearance Landing Matrix Dialog Box



KONE COP Clearance Landing Matrix Dialog Box Definitions

Table 18 on Page 87 describes the KONE COP Clearance Landing Matrix dialog box fields and buttons.

Table 18: KONE COP Clearance Landing Dialog Box Definitions

Field/Button	Description
Name	The name of the COP Clearance Landing Matrix • The name is not case-sensitive • Minimum number of characters: 1 • Maximum number of characters: 100
Description	(Optional) Enter a description for the COP Clearance Landing Matrix • The description is not case-sensitive • Minimum number of characters: None • Maximum number of characters: 500
Save and Close	Saves the configuration and closes the dialog box.
General Tab	
Elevator System	The name of the KONE Elevator System. This field is read-only.
Clearance Name	The pre-configured personnel clearance. This field is used to select the clearance that allows access to the Door with a reader that a person swipes their card to get authorization to use the landing.
Landing Matrix	Contains the selection of up to 255 front (F) and 255 rear (R) floors for the clearance landing matrix.

8

KONE COP Configuration

This chapter describes to configure the COP (Car Operational Panel) using the KONE COP dialog box.

In this chapter:

Accessing the COP Dialog Box

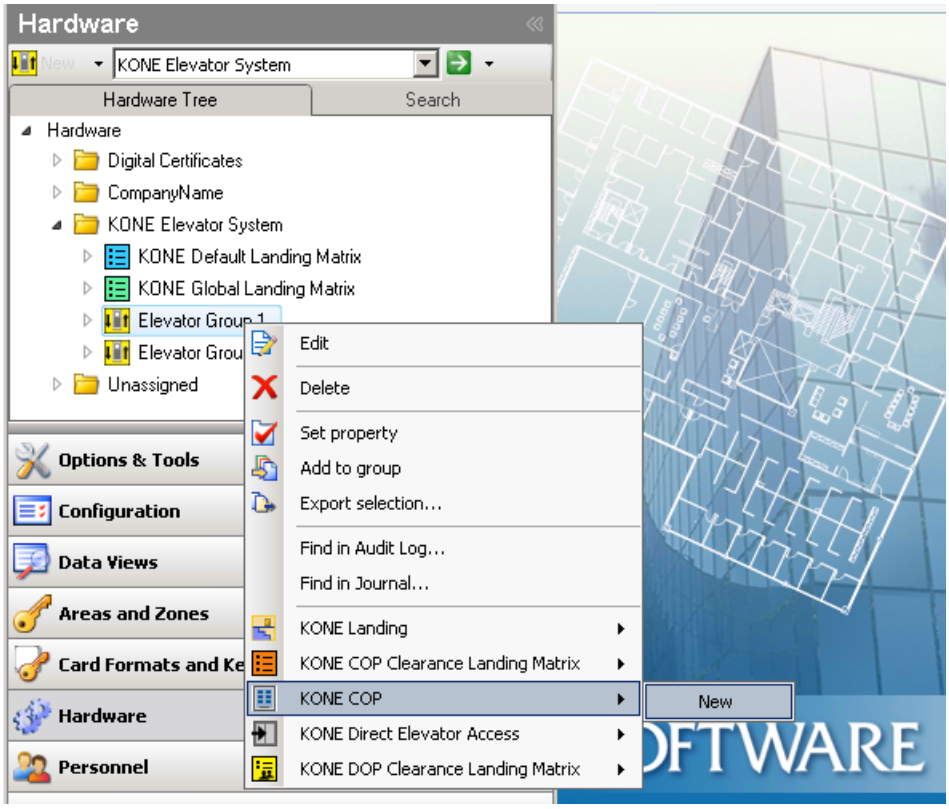
This section explains how to access the KONE COP dialog box.

NOTE The KONE Elevator System must be configured before you can access this dialog box. See Chapter 3: KONE Elevator System Configuration for more information.

To Access the COP Dialog Box

1. Right-click on the elevator system icon under the KONE Elevator System folder in the Hardware tree, and select **KONE COP>New**, as shown in Figure 36 on Page 89.

Figure 36: Access the COP Dialog Box



The KONE COP dialog box, shown in Figure 37 on Page 90opens.

KONE COP Dialog Box

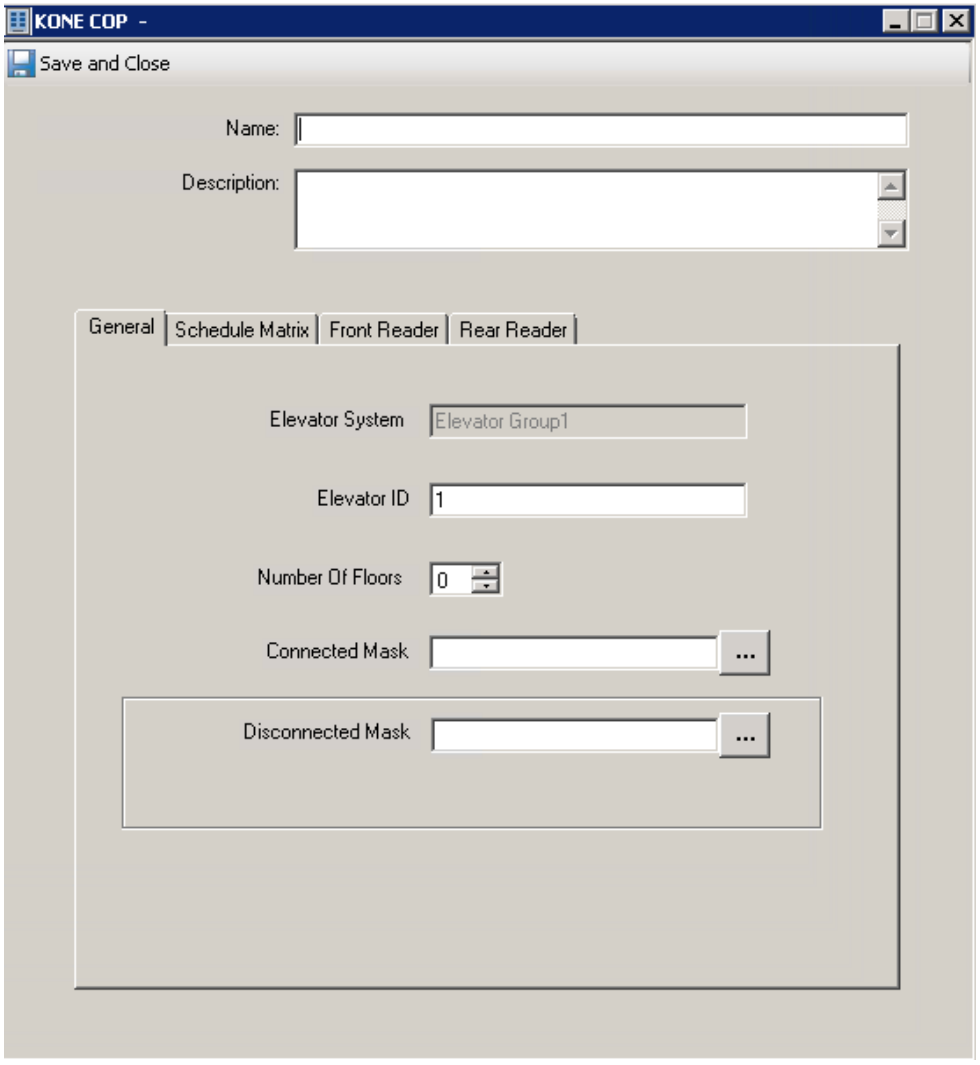
The KONE COP dialog box, shown in Figure 37 on Page 90, is used to control door operations for each floor inside the elevator.

NOTE The KONE Elevator System (KONE Elevator System Editor Dialog Box on Page 41), KONE Default Landing Matrix (KONE Default Landing Matrix Dialog Box on Page 67) and the KONE Landing (KONE Landing Dialog Box on Page 73) must be configured before you can configure the COP.

For more information, see the following:

- Accessing the COP Dialog Box on Page 89
- COP Dialog Box Definitions on Page 90
- KONE COP Dialog Box Tasks on Page 91

Figure 37: KONE COP Dialog Box



COP Dialog Box Definitions

Table 19 on Page 91 describes the KONE COP dialog box- General tab fields and buttons.

Table 19: KONE COP Dialog Box - General Tab Definitions

Field/Button	Description
Name	A unique name identifying the COP configuration. • The name is not case-sensitive • Minimum number of characters: 1 • Maximum number of characters: 100
Description	Optional. A description for the COP configuration. • The description is not case-sensitive • Minimum number of characters: None • Maximum number of characters: 500
Save and Close	Saves the configuration and closes the dialog box.
General Tab	
Elevator System	The name of the KONE Elevator System. This field is read-only.
Elevator ID	ID of the Elevator (CAR). Enter the numeric value between 1 and 255.
Number Of Floors	The number of floors required while sending the Landing Matrix to the KONE Group configuration.
Connected Mask	The Connected Mask is used when the connection between the C•CURE 9000 and the KONE Elevator System is active. The KONE Elevator System automatically loads the selected pre-configured KONE Default Landing Matrix to specific COP's in the elevator system. Click on the selection button  to select a pre-configured KONE Default Landing Matrix.
Disconnected Mask	The Disconnected Mask is used when the connection between the C•CURE 9000 and the KONE Elevator System is disconnected. The KONE Elevator System automatically loads the selected pre-configured KONE Default Landing Matrix to specific COP's in the elevator system. Click on the selection button  to select a pre-configured KONE Default Landing Matrix.

KONE COP Dialog Box Tasks

This section describes the following tasks:

- Configuring a COP on Page 92
- Editing a COP Configuration on Page 92
- Viewing All COP Configurations on Page 92
- Deleting a COP Configuration on Page 92

Configuring a COP

To Configure a COP

1. Right-click on the elevator system icon under the KONE Elevator System folder in the Hardware tree and select KONE **COP>New**. The KONE COP dialog box opens.
2. Enter a name, of up to 100 characters, for the COP in the **Name** field.
3. Enter a description (optional), of up to 500 characters, in the **Description** field.
4. Enter a numeric value between 1 to 255 in the **Elevator ID** field.
5. Select the value for the **Number Of Floors**.
6. (Optional) Click on the selection button  located to the right of the **Connected Mask** field to open a selection box listing pre-configured KONE Default Landing Matrix configurations. Click on a **KONE Default Landing Matrix** configuration to select it.
7. (Optional) Click on the selection button  located to the right of the **Disconnected Mask** field to open a selection box listing pre-configured KONE Default Landing Matrix configurations. Click on a **KONE Default Landing Matrix** configuration to select it.
8. Click **Save and Close** to save the configuration.

Editing a COP Configuration

To Edit a COP Configuration

1. Double-click on the COP configuration in the tree that you want to edit. Alternately, you can right-click on the COP configuration in the tree and select **Edit** from the context menu.
2. Make the changes to the configuration.
3. Click **Save and Close**.

Viewing All COP Configurations

To View All COP Configurations

1. Click on the **Hardware** drop-down menu and select **KONE COP**.
2. Click on the green right arrow  located to the right of the **Hardware** drop-down menu. The KONE COP tab opens in the Dynamic View displaying a list of KONE COP configurations.

Deleting a COP Configuration

To Delete a COP Configuration

1. Right-click on the COP configuration that you want to delete and select **Delete** from the context menu. The Deleting KONE COP objects dialog box opens.
2. Click **Yes** to confirm the deletion. The object is deleted.
3. Click **OK** to confirm that the object was deleted.

KONE COP Dialog Box Tabs

The following sections provide information about the KONE COP Dialog Box Tabs:

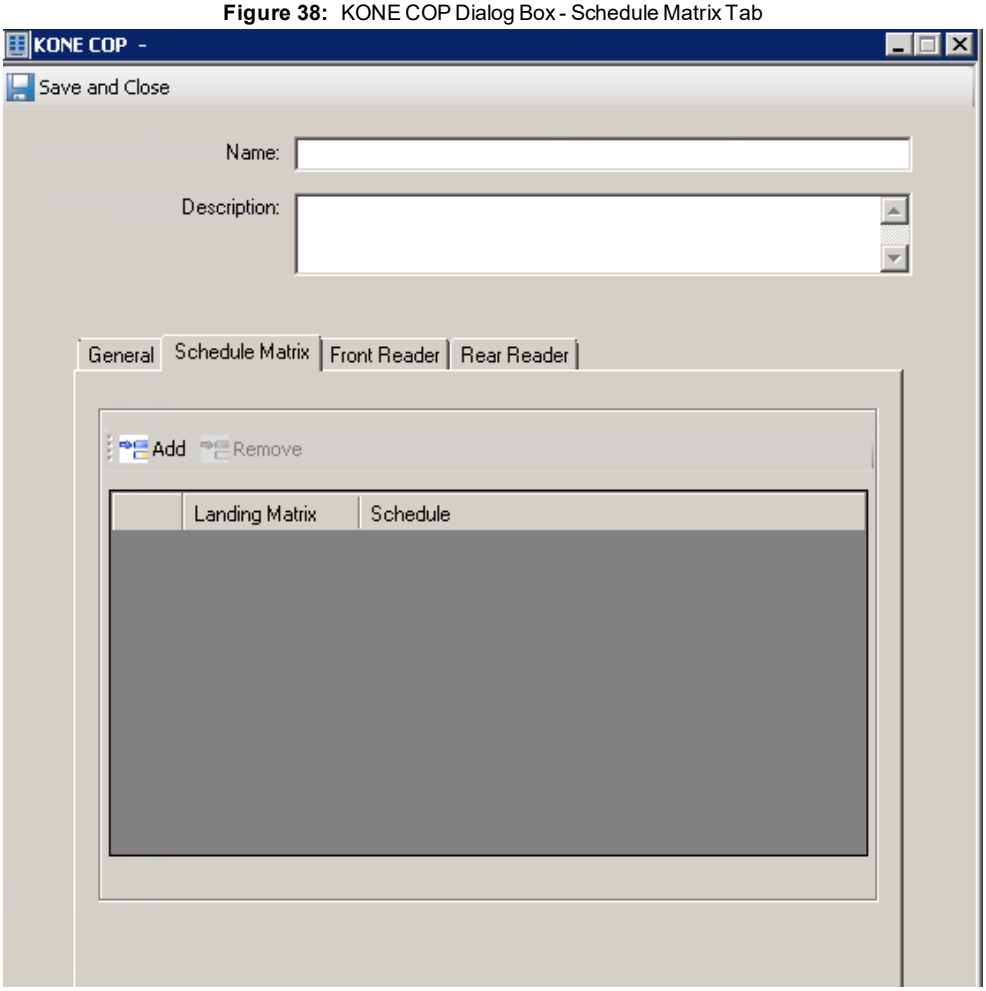
COP - Schedule Matrix Tab

The KONE COP dialog box - Schedule Matrix tab, shown in Figure 38 on Page 94, is used to assign a pre-configured schedule to a pre-configured default landing matrix configuration.

For more information, see the following:

- Schedule Matrix Tab Definitions on Page 94
- Schedule Matrix Tab Tasks on Page 95

Figure 38: KONE COP Dialog Box - Schedule Matrix Tab



Schedule Matrix Tab Definitions

Table 20 on Page 94 describes the Schedule Matrix tab fields and buttons.

Table 20: KONE COP Dialog Box - Schedule Matrix Tab Definitions

Field/Button	Description
Add	Adds an empty row to the table for selection of a default landing matrix configuration and to select a schedule to assign to it.

Field/Button	Description
Remove	Removes and deletes the selected default landing matrix configuration and the assigned schedule from the table.
Landing Matrix	The default landing matrix configuration selected.
Schedule	The schedule selected for the default landing matrix configuration. See the C•CURE 9000 Software Configuration Guide for more information about configuring schedules.

Schedule Matrix Tab Tasks

This section includes the following tasks:

- Configuring a KONE Landing Schedule Matrix on Page 95
- Deleting a KONE Landing Schedule Matrix on Page 95

Configuring a KONE Landing Schedule Matrix

NOTE Only seven Landing Schedule Matrix's are supported for a COP.

To Configure a KONE Landing Schedule Matrix

1. Click on the **Schedule Matrix** tab.
2. Click on the **Add** button.
3. Click on the selection button  in the empty row under **Landing Matrix** to open the KONE Default Landing Matrix selection box.
4. Click on a default landing matrix configuration to select it. The selection appears under Landing Matrix.
5. Click in blank field under Schedule, and then click on the selection button  . The Schedule selection box opens.
6. Click on a Schedule to select it. The selection appears under Schedule.
7. Click **Save and Close**.

Deleting a KONE Landing Schedule Matrix

To Delete a KONE Landing Schedule Matrix

1. Click in the row containing the default landing matrix schedule you want to delete.
2. Click the **Remove** button.

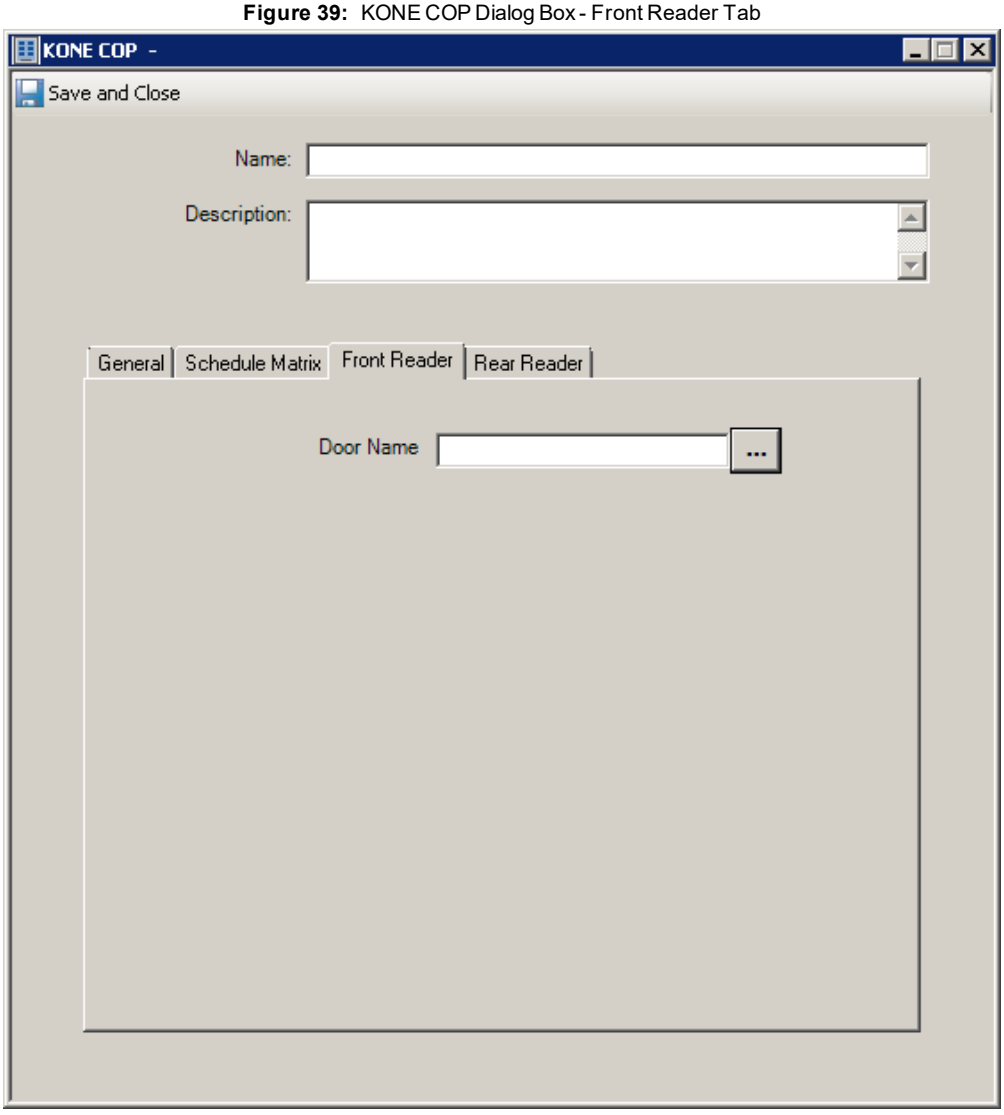
COP Front Reader Tab

The KONE COP dialog box - Front Reader tab, shown in Figure 39 on Page 96, is used to assign a pre-configured iSTAR door to the front reader.

For more information, see the following:

- Front Reader Tab Definitions on Page 96
- Front Reader Tab Tasks on Page 97

Figure 39: KONE COP Dialog Box - Front Reader Tab



Front Reader Tab Definitions

Table 21 on Page 96 describes the Front Reader tab field.

Table 21: KONE COP Dialog Box - Front Reader Tab Definitions

Field	Description
Door	Click on the selection button ... . The iSTAR Doors selection box opens with a list of pre-configured doors.

Front Reader Tab Tasks

This section includes the following tasks:

- Selecting an iSTAR Door for the Front Reader on Page 97
- Changing the iSTAR Door Selection for the Front Reader on Page 126

Selecting an iSTAR Door for the Front Reader

To Select an iSTAR Door for the Front Reader

1. Click on the **Front Reader** Tab.
2. Click on the Door Name selection button  . The iSTAR Door selection box opens with a list a pre-configured iSTAR Doors.
3. Click on a pre-configured iSTAR door to select it. The selection appears in the Door Name field.
4. Click **Save and Close** to save the configuration.

Changing the iSTAR Door Selection for the Front Reader

To Change the iSTAR Door Selection for the Front Reader

1. Click on the Front Reader Tab.
2. Click on the Door Name selection button  . The iSTAR Door selection box opens with a list a pre-configured iSTAR Doors.
3. Click on a pre-configured iSTAR door to select it. The new selection appears in the Door Name field.
4. Click **Save and Close** to save the configuration.

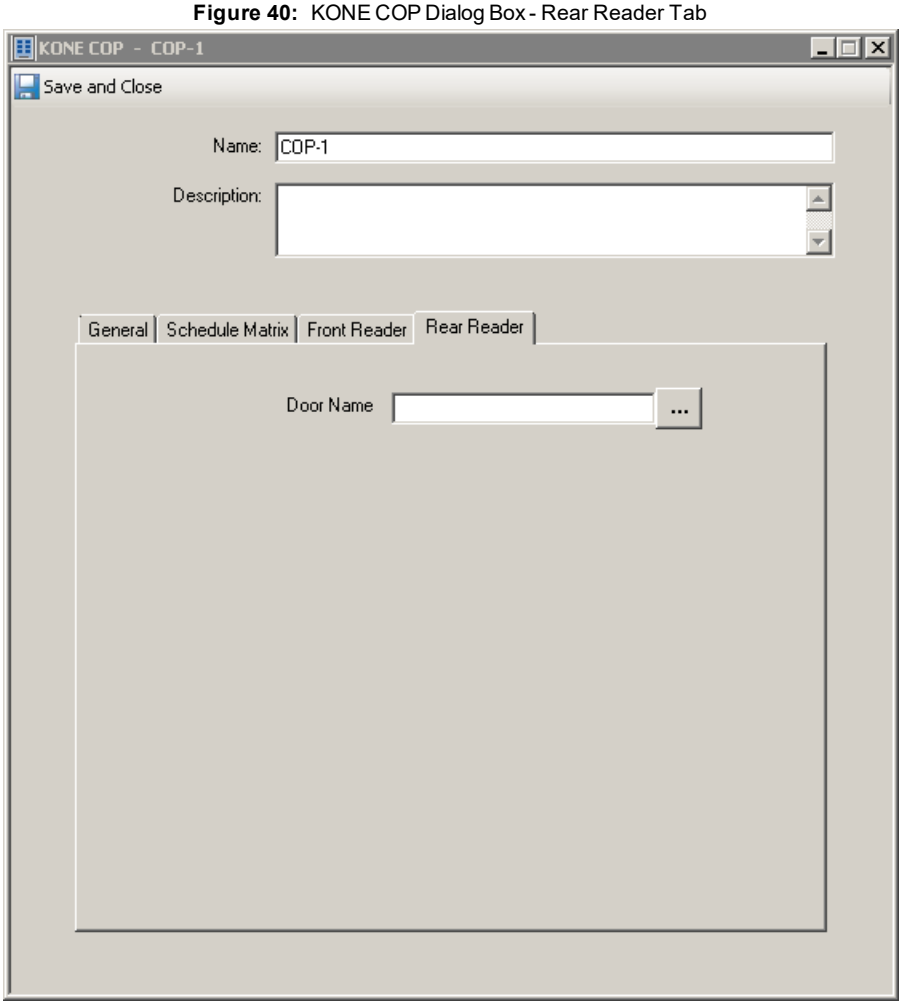
COP Rear Reader Tab

The KONE COP dialog box - Rear Reader tab, shown in Figure 40 on Page 98, is used to assign a pre-configured iSTAR door to the rear reader.

For more information, see the following:

- Rear Reader Tab Definitions on Page 98
- Rear Reader Tab Tasks on Page 99

Figure 40: KONE COP Dialog Box - Rear Reader Tab



Rear Reader Tab Definitions

Table 22 on Page 98 describes the Rear Reader tab field.

Table 22: KONE COP Dialog Box - Rear Reader Definitions

Field	Description
Door	Click on the selection button ... . The iSTAR Doors selection box opens with a list of pre-configured doors.

Rear Reader Tab Tasks

This section includes the following tasks:

- Selecting an iSTAR Door for the Rear Reader on Page 99
- Changing the iSTAR Door Selection for the Rear Reader on Page 99

Selecting an iSTAR Door for the Rear Reader

To Select an iSTAR Door for the Rear Reader

1. Click on the **Rear Reader** Tab.
2. Click on the Door Name selection button  . The iSTAR Door selection box opens with a list a pre-configured iSTAR Doors.
3. Click on a pre-configured iSTAR door to select it. The selection appears in the Door Name field.
4. Click **Save and Close** to save the configuration.

Changing the iSTAR Door Selection for the Rear Reader

To Change the iSTAR Door Selection for the Rear Reader

1. Click on the Rear Reader Tab.
2. Click on the Door Name selection button  . The iSTAR Door selection box opens with a list a pre-configured iSTAR Doors.
3. Click on a pre-configured iSTAR door to select it. The new selection appears in the Door Name field.
4. Click **Save and Close** to save the configuration.

9

KONE Direct Elevator Access Configuration

This chapter describes to configure direct elevator access for VIPs (Very Important Persons) using the KONE Direct Elevator Access dialog box.

In this chapter:

KONE Direct Elevator Access Dialog Box

To facilitate Direct Access to pre-configured personnel group, the KONE Direct Elevator Access dialog box, shown in Figure 41 on Page 102, is used to send calls to KONE Elevator System. The call types can be Normal, ADA and VIP calls.

NOTE Only one instance of direct elevator access can be assigned for each KONE group configuration.

Remote Call Giving Interface (RCGIF)

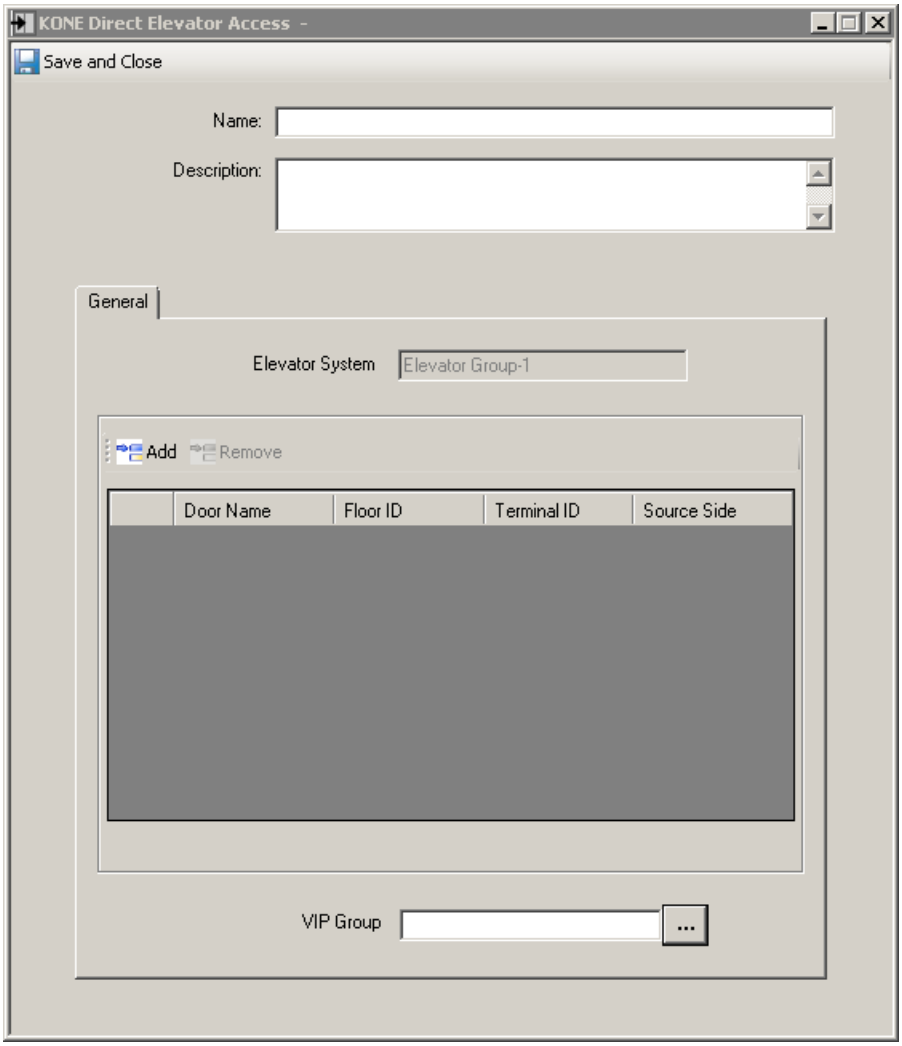
KONE Elevator Integration supports custom call type which can be configured in Configuration File. The following default call types are supported by KONE Elevator Integration:

Call Types	Description
20	For normal person, call type 20 is dispatched to the KONE server.
21	For an ADA, call type 21 is dispatched to the KONE server.
22	KONE Elevator Integration does not support Priority call types.
23	For a VIP, call type 23 (Empty car call type) is dispatched to the KONE server.
24	KONE Elevator Integration does not support Space allocation call type.

For more information, see the following:

- Accessing the KONE Direct Elevator Access Dialog Box on Page 107
- KONE Direct Elevator Access Dialog Box Definitions on Page 102
- KONE Direct Elevator Access Dialog Box Tasks on Page 103

Figure 41: KONE Direct Elevator Access Dialog Box



KONE Direct Elevator Access Dialog Box Definitions

Table 23 on Page 102 describes the KONE Direct Elevator Access dialog box fields and buttons.

Table 23: KONE Direct Elevator Access Dialog Box Definitions

Field/Button	Description
Name	The name for the direct elevator access configuration. • The name is not case-sensitive • Minimum number of characters: 1 • Maximum number of characters: 100

Field/Button	Description
Description	Optional. Enter a description for the direct elevator access configuration . • The description is not case-sensitive • Minimum number of characters: None • Maximum number of characters: 500
Save and Close	Saves the configuration and closes the dialog box.
General Tab	
Elevator System	The name of the KONE Elevator System. This field is read-only.
Add	Click to add a row for configuration.
Remove	Removes a selected row.
Door Name	Click on the selection button  to select a pre-configured door which is retrieved from the C•CURE 9000.
Floor ID	The floor from where the user is making the call. Enter a numeric value from 1 to 255.
Terminal ID	The identification of the passenger terminal. Enter a numeric value of 1 to 200.
Source Side	Select Front or Rear from the drop-down menu. **NOTE**: To configure the front and rear door to allow direct elevator access ,you must configure the Source Side front and the Source Side rear door separately.
VIP Group	Click on the selection button  to select a pre-configured C•CURE 9000 personnel group. The personnel in this group will be treated as VIP. **Note**: For a person who is a part of the VIP group, call type 3 (Empty car call type) is dispatched to KONE.

NOTE

1. If personnel who belongs to neither VIP group nor ADA swipes at a reader, then Call Type Normal call is dispatched along with the Home Floor.
2. If personnel who belongs to ADA but not a part of VIP Group swipes at a reader, then Call Type Handicap Call is dispatched along with the Home Floor.
3. If personnel who belongs VIP group swipes at a reader, then Call Type Empty Car Call is dispatched along with the Home Floor.
4. If personnel who belongs to both ADA and VIP Group swipes at a reader, then Call Type EmptyCarCall is dispatched along with the Home Floor.

KONE Direct Elevator Access Dialog Box Tasks

This section includes the following tasks:

- Configuring Direct Elevator Access on Page 104
- Removing a Row from the Direct Elevator Access Configuration on Page 105

Configuring Direct Elevator Access

To Configure Direct Elevator Access

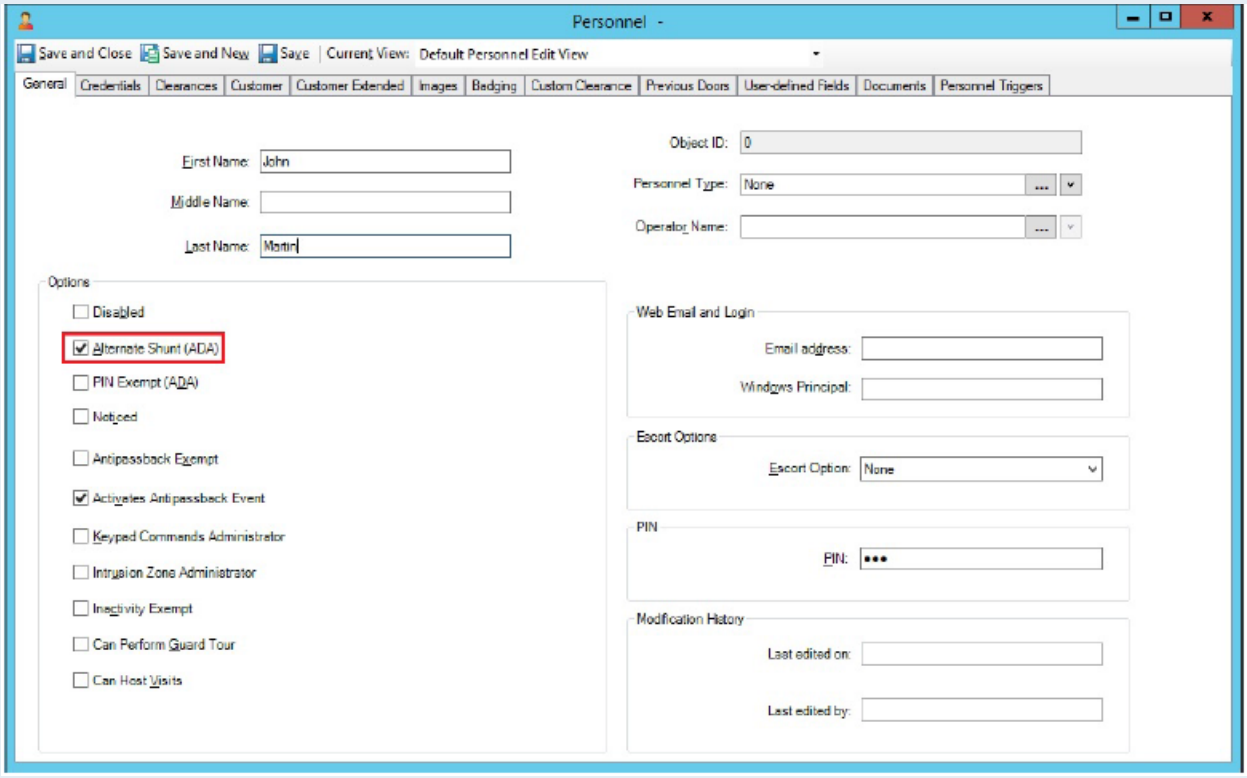
1. Right-click on the **Elevator System** icon under the KONE Elevator System folder in the Hardware tree and select **KONE Direct Elevator Access>New**. The KONE Direct Elevator Access dialog box opens.
2. Enter a unique name, of up to 100 characters, for the Direct Elevator Access in the **Name** field.
3. Enter a description (optional), of up to 500 characters in the **Description** field.
4. Click **Add**. A blank row appears in the table.
5. Click in the blank space under the **Door Name** column.
6. Click on the selection button  located to the right of the blank column. The Door selection box opens.
7. Select the pre-configured Door configuration.

NOTE Doors used with COP configurations cannot be used with Direct Elevator Access configurations.

8. Click in the row under **Floor ID** and enter the numeric value.
9. Click in the row under **Terminal ID** and enter a numeric value.
10. Click in the row under **Source ID** and select **Front** (front door) or **Rear** (rear door) from the drop-down menu.
11. Optional. Click on the selection button  located to the right of the **VIP Group** field to open a selection box listing pre-configured C•CURE 9000 personnel group. Click on a C•CURE 9000 personnel group to select it. The personnel in this group will be treated as VIP.
12. Click **Save and Close** to save the configuration.

NOTE

To assign ADA call type for people with disabilities, go to the Personnel dialogue box and select the Alternate Shunt (ADA) check box in the General tab. For people with disabilities, call type 1 is dispatched to the KONE server.



Removing a Row from the Direct Elevator Access Configuration

To Remove a Row from the Direct Elevator Access Configuration

1. Click in the row that you want to remove from the configuration to highlight it.
2. Click **Remove**.

Viewing All Direct Elevator Access Configurations

To View All Direct Elevator Access Configurations

1. Click on the **Hardware** drop-down menu and select **KONE Direct Elevator Access**.
2. Click on the green right arrow  located to the right of the **Hardware** drop-down menu. The **KONE Direct Elevator Access** tab opens in the Dynamic View displaying a list of KONE Direct Elevator Access configurations.

Editing a Direct Elevator Access Configuration

To Edit a Direct Elevator Access Configuration

1. Double-click on the **Direct Elevator Access configuration** in the tree that you want to edit. Alternately, you can right-click on the **Direct Elevator Access configuration** in the tree and select **Edit** from the context menu.

2. Make the changes to the configuration.
3. Click **Save and Close**.

Deleting a Direct Elevator Access Configuration

To Delete a Direct Elevator Access Configuration

1. Right-click on the **Direct Elevator Access** configuration that you want to delete and select **Delete** from the context menu. The **Deleting KONE Direct Elevator Access objects dialog** box opens.
2. Click **Yes** to confirm the deletion. The object is deleted.
3. Click **OK** to confirm that the object was deleted.

Accessing the KONE Direct Elevator Access Dialog Box

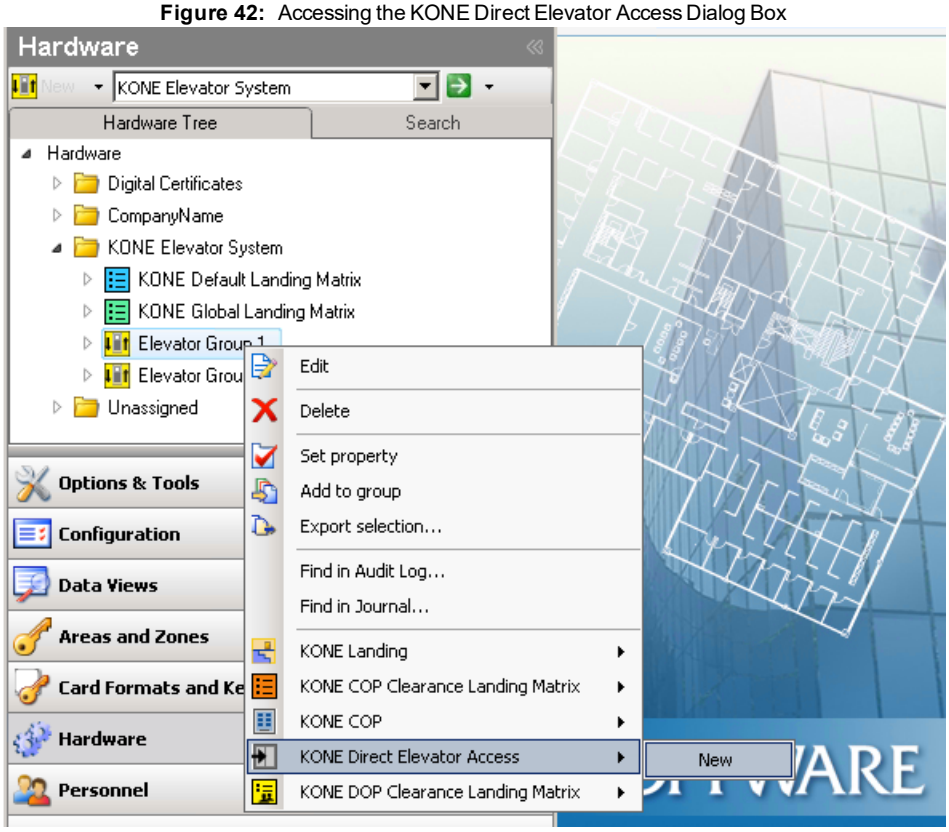
This section explains how to access the KONE Direct Elevator Access dialog box.

NOTE The KONE Elevator System must be configured before you can access this dialog box. See Chapter 3: KONE Elevator System Configuration for more information.

To Access the KONE Direct Elevator Access Dialog Box

1. Right-click on the elevator system icon under the **KONE Elevator System** folder and select **KONE Direct Elevator Access>New**, as shown in Figure 42 on Page 107.

Figure 42: Accessing the KONE Direct Elevator Access Dialog Box



The KONE Direct Elevator Access dialog box, shown in Figure 41 on Page 102, opens.

10

KONE DOP Configuration

This chapter describes to configure the DOP (Destination Operation Panel) using the KONE DOP dialog box.

In this chapter:

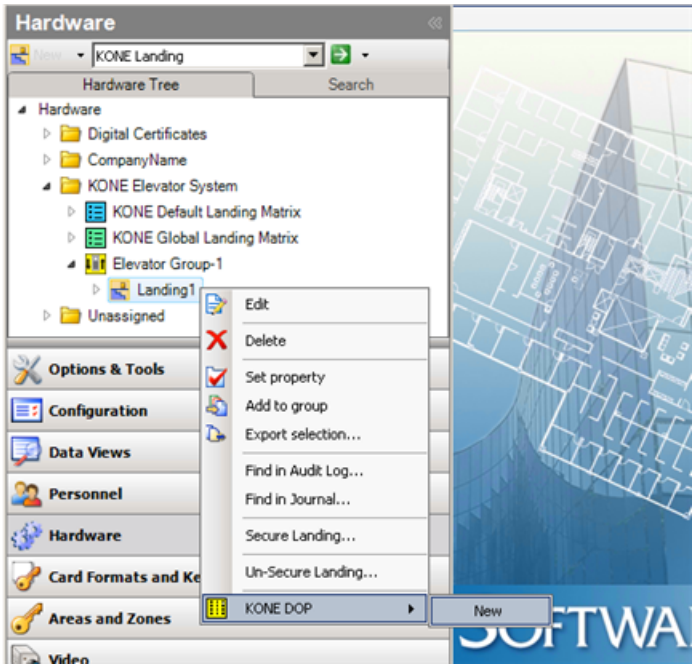
Accessing the KONE DOP Dialog Box

This section explains how to access the KONE dialog box.

To Access the KONE DOP Dialog Box

1. Click on the elevator system icon in the KONE Elevator System folder under the Hardware tree.
2. Right-click on a Landing and select KONE DOP>New, as shown in Figure 43 on Page 109.

Figure 43: Access the KONE DOP Dialog Box



The KONE DOP dialog box, as shown in Figure 44 on Page 110, opens.

KONE DOP Dialog Box

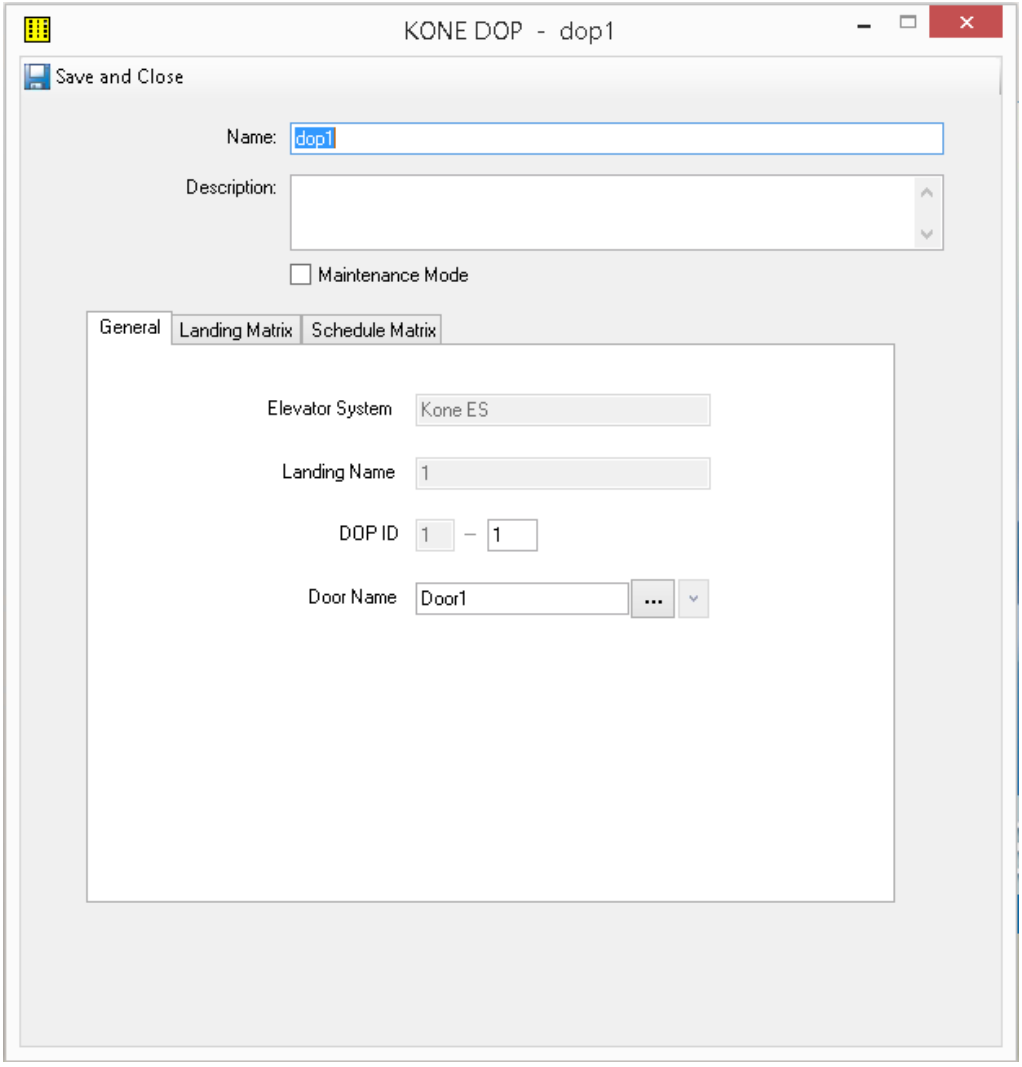
The KONE DOP dialog box, shown in Figure 44 on Page 110, is used to configure a DOP and to select a pre-configured door.

NOTE The KONE Elevator System (KONE Elevator System Editor Dialog Box on Page 41), KONE Default Landing Matrix (KONE Default Landing Matrix Dialog Box on Page 67) and the KONE Landing KONE Landing Dialog Box on Page 73) must be configured before you can configure the DOP.

For more information, see the following:

- KONE DOP Dialog Box Definitions on Page 1104
- KONE DOP Dialog Box Tasks on Page 111
- KONE DOP Dialog Box Tabs on Page 113

Figure 44: KONE DOP Dialog Box - General Tab



KONE DOP Dialog Box Definitions

Table 24 on Page 111 describes the KONE DOP dialog box- General tab fields and buttons.

Table 24: KONE DOP Dialog Box - General Tab Definitions

Field/Button	Description
Name	A unique name identifying the landing. • The name is not case-sensitive • Minimum number of characters: 1 • Maximum number of characters: 100
Description	Optional. A description for the landing. • The description is not case-sensitive. • Minimum number of characters: None • Maximum number of characters: 500
Maintenance Mode	Select the Maintenance mode check box to limit information about the object, that is displayed on the Monitoring Station. Maintenance Mode only affects the information reported at the Monitoring Station. For more information see, Maintenance Mode on Page 59.
Save and Close	Saves the configuration and closes the dialog box
General Tab	
Elevator System	The name of the KONE Elevator System This field is read-only.
Landing Name	The textual description for the landing.
DOP ID	The DOP and the Floor ID. The first field is the Floor ID and the second field is the DOP ID (a unique numeric identifier between 1 and 255).
Door Name	Click on the selection button  to select a pre-configured door which is retrieved from the C•CURE 9000.

KONE DOP Dialog Box Tasks

This section describes the following tasks:

- Configuring a DOP on Page 111
- Editing a DOP Configuration on Page 112
- Viewing DOP Configurations on Page 112
- Deleting a DOP Configuration on Page 112

Configuring a DOP

To Configure a DOP

1. Right-click on the Landing under the KONE Elevator system and select **KONE DOP>New**. The KONE DOP dialog box opens.
2. Enter a name for the DOP in the **Name** field.
3. Enter a description (optional) in the **Description** field.
4. Enter a numeric value of 1 to 255 in the **DOP ID** field.

5. Click on the selection button  to the right of the **Door Name** field to open a selection box listing iSTAR door configurations.
6. Click on a door configuration to select it. The selected door appears in the Door Name field.
7. Click on the selection button  to the right of the Default Landing Matrix field to open a selection box listing KONE Default Landing Matrix configurations.
8. Click on a **KONE Default Landing Matrix** configuration to select it.
9. Click **Add** to assign a schedule to a Default Landing Matrix.

NOTE For information about setting up schedules, see the C•CURE 9000 Software Configuration Guide.

10. Click on the **Landing Matrix** tab to assign a connected mask and disconnected mask to the Call Types. For more information, DOP - Landing Matrix Tab on Page 114.
11. Click on the **Schedule Matrix** tab, to assign a pre-configured schedule to a pre-configured default landing matrix configuration. For more information, see DOP - Schedule Matrix Tab on Page 116.
12. Click **Save and Close**.

Editing a DOP Configuration

To Edit a DOP Configuration

1. Double-click on the **DOP** configuration in the tree that you want to edit. Alternately, you can right-click on the **DOP** configuration in the tree and select **Edit** from the context menu.
2. Make the changes to the configuration.
3. Click **Save and Close**.

Viewing DOP Configurations

To View DOP Configurations

1. Click on the **Hardware** drop-down menu and select **KONE DOP**.
2. Click on the green right arrow  located to the right of the **Hardware** drop-down menu. The KONE DOP tab opens in the Dynamic View displaying a list of KONE DOP configurations.

Deleting a DOP Configuration

To Delete a DOP Configuration

1. Right-click on the **DOP** configuration that you want to delete and select **Delete** from the context menu. The Deleting KONE DOP objects dialog box opens.
2. Click **Yes** to confirm the deletion. The object is deleted.
3. Click **OK** to confirm that the object was deleted.

KONE DOP Dialog Box Tabs

The following sections provide information about the KONE Dialog Box Tabs:

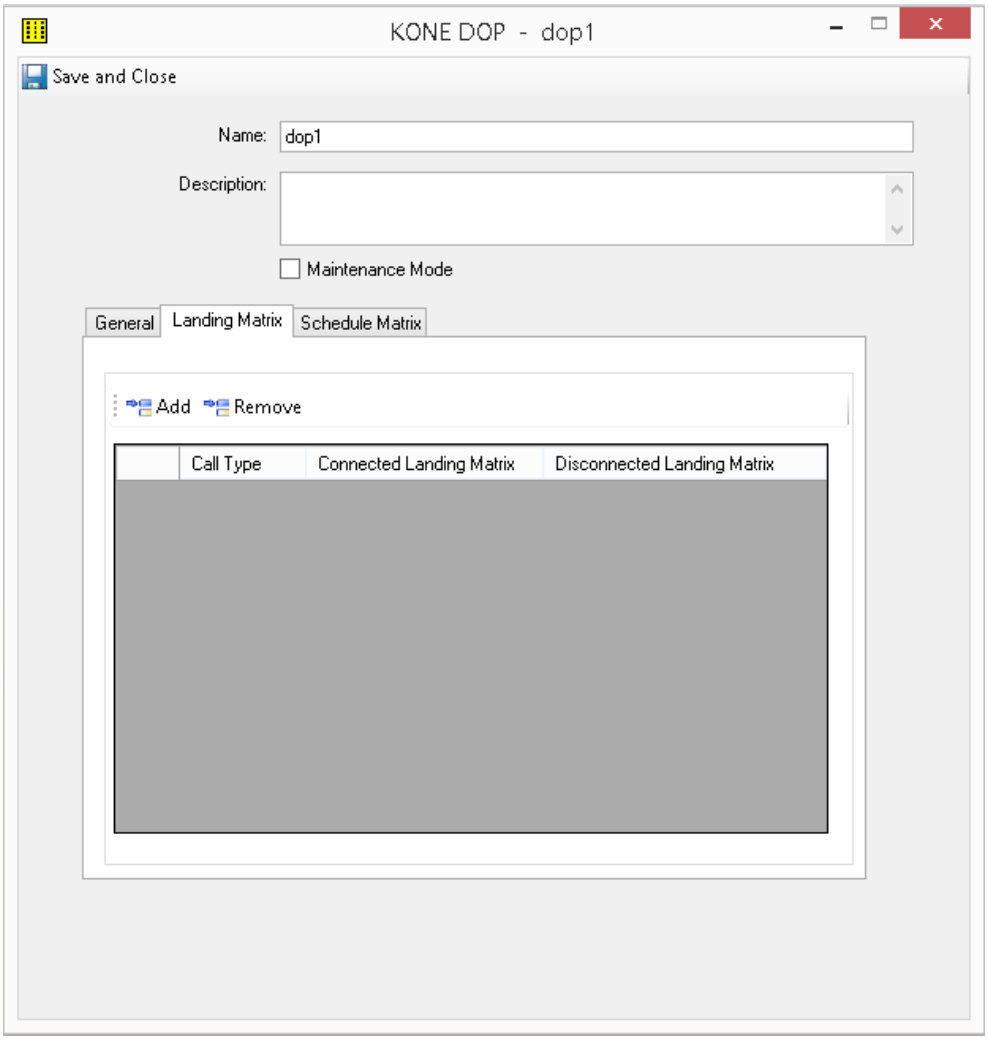
- DOP - Landing Matrix Tab on Page 114
- DOP - Schedule Matrix Tab on Page 116

DOP - Landing Matrix Tab

The KONE DOP dialog box - Landing Matrix tab, shown in Figure 45 on Page 114, is used to assign a connected mas and disconnected mask to a particular Call Type. For more information, see the following:

- KONE DOP Dialog Box - Landing Matrix Tab Definitions on Page 114
- KONE DOP Dialog Box - Landing Matrix Tab Tasks on Page 115

Figure 45: KONE DOP Dialog Box - Landing Matrix Tab



KONE DOP Dialog Box - Landing Matrix Tab Definitions

Table 25 on Page 115 describes the Landing Matrix tab fields and buttons.

Table 25: KONE DOP Dialog Box - Landing Matrix Tab Definitions

Field/Button	Description
Call Types	The Call Type number defines functions configured in KONE Group Controller. Enter the numeric value between 0 to 200. The common call types defined by KONE are: Type 0 – Normal Type 1 – ADA Type 2 – Priority Type 3 – Empty Car Call Types from 4 to 200 are configurable.
Connected Landing Matrix	The Connected Landing Matrix is used when the connection between the C•CURE 9000 and the KONE Elevator System is active. The KONE Elevator System automatically loads the selected default landing matrix to specific DOP's in the elevator system.
Disconnected Landing Matrix	The Disconnected Landing Matrix is used when the connection between the C•CURE 9000 and the KONE Elevator System is disconnected. The KONE Elevator System automatically loads the selected default landing matrix to specific DOP's in the elevator system.

KONE DOP Dialog Box - Landing Matrix Tab Tasks

This section describes the following task:

- Selecting a Connected Mask and a Disconnected Mask on Page 115

Selecting a Connected Mask and a Disconnected Mask

The default landing matrix must be configured before you can configure the connected mask and the disconnected mask. See KONE Default Landing Matrix Dialog Box on Page 92 for more information.

To Select a Connected Mask and a Disconnected Mask

1. Click on the **Landing Matrix** tab.
2. Optional. Click **Add** to assign a Connected Mask and Disconnected Mask to a particular Call Type.
3. Optional. Click on selection button  to the right of the Connected Mask field to open the KONE Default Landing Matrix selection box listing default landing matrix configurations.
4. Click on a **Default Landing Matrix** configuration to select it.
5. Optional. Click on the selection button  to the right of the Disconnected Mask field to open the KONE Default Landing Matrix selection box listing default landing matrix configurations.
6. Click on a **Default Landing Matrix** configuration to select it.
7. Click **Save and Close**.

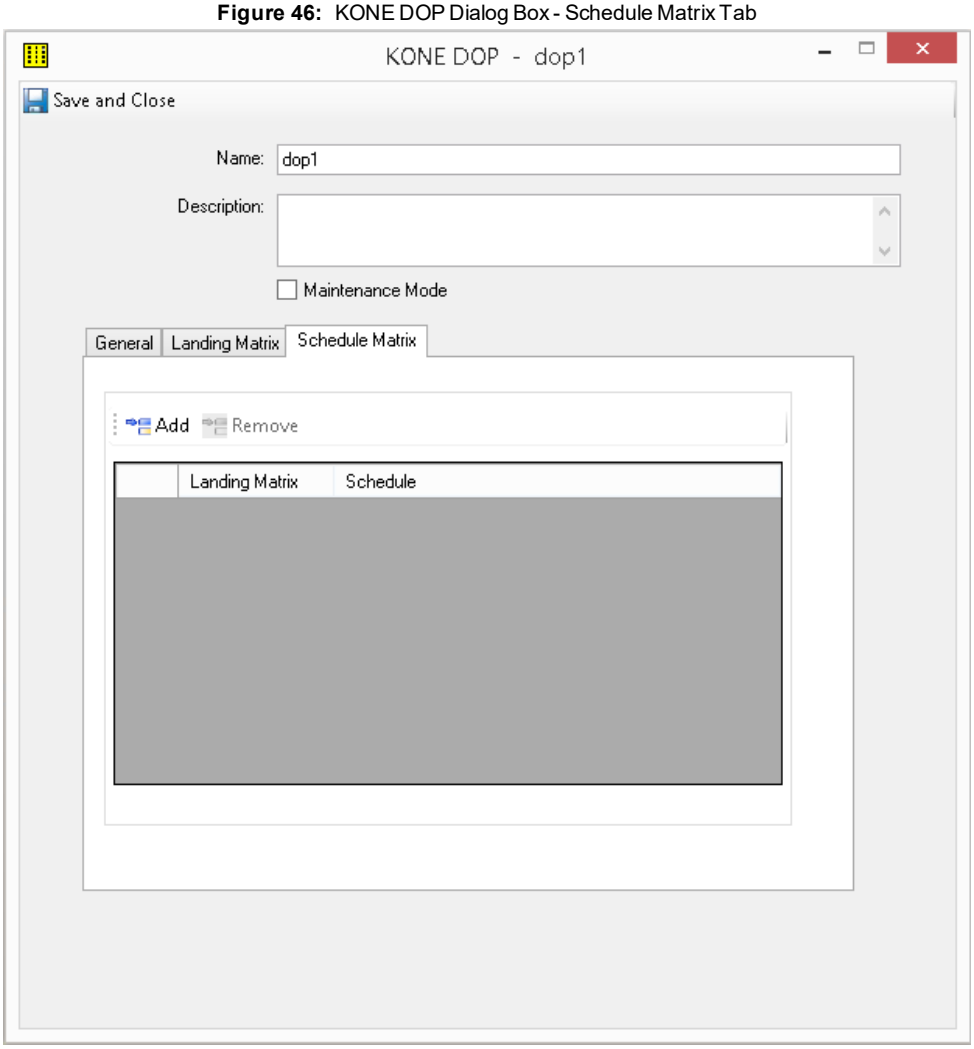
DOP - Schedule Matrix Tab

The KONE DOP dialog box - Schedule Matrix tab, shown in Figure 46 on Page 116, is used to assign a pre-configured schedule to a pre-configured default landing matrix configuration.

For more information, see the following:

- Schedule Matrix Tab Definitions on Page 116
- Schedule Matrix Tab Tasks on Page 117

Figure 46: KONE DOP Dialog Box - Schedule Matrix Tab



Schedule Matrix Tab Definitions

Table 26 on Page 116 describes the Schedule Matrix tab fields and buttons.

Table 26: KONE DOP Dialog Box - Schedule Matrix Tab Definitions

Field/Button	Description
Add	Adds an empty row to the table for selection of a default landing matrix configuration and to select a schedule to assign to it.

Field/Button	Description
Remove	Removes and deletes the selected default landing matrix configuration and the assigned schedule from the table.
Landing Matrix	The default landing matrix configuration selected.
Schedule	The schedule selected for the default landing matrix configuration. See the C•CURE 9000 Software Configuration Guide for more information about configuring schedules.

Schedule Matrix Tab Tasks

This section describes the following task:

- Configuring a KONE Landing Schedule Matrix on Page 117
- Deleting a KONE Landing Schedule Matrix on Page 117

Configuring a KONE Landing Schedule Matrix

NOTE Only seven Landing schedule matrix's are supported for a DOP.

To Configure a KONE Landing Schedule Matrix

1. Click the **Schedule Matrix** tab.
2. Click the **Add** button.
3. Click the selection button  in the empty row under **Landing Matrix** to open the KONE Default Landing Matrix selection box.
4. Click on a **Default Landing Matrix** configuration to select it. The selection appears under Landing Matrix.
5. Click in blank field under Schedule, and then click on the selection button  . The Schedule selection box opens.
6. Click on a **Schedule** to select it. The selection appears under Schedule.
7. Click **Save and Close**.

Deleting a KONE Landing Schedule Matrix

To Delete a KONE Landing Schedule Matrix

1. Click in the row containing the Default Landing Matrix schedule you want to delete.
2. Click the **Remove** button.

11

KONE DOP Clearance Landing Matrix Configuration

This chapter describes to configure clearances using the KONE DOP Clearance Landing Matrix dialog box.

In this chapter:

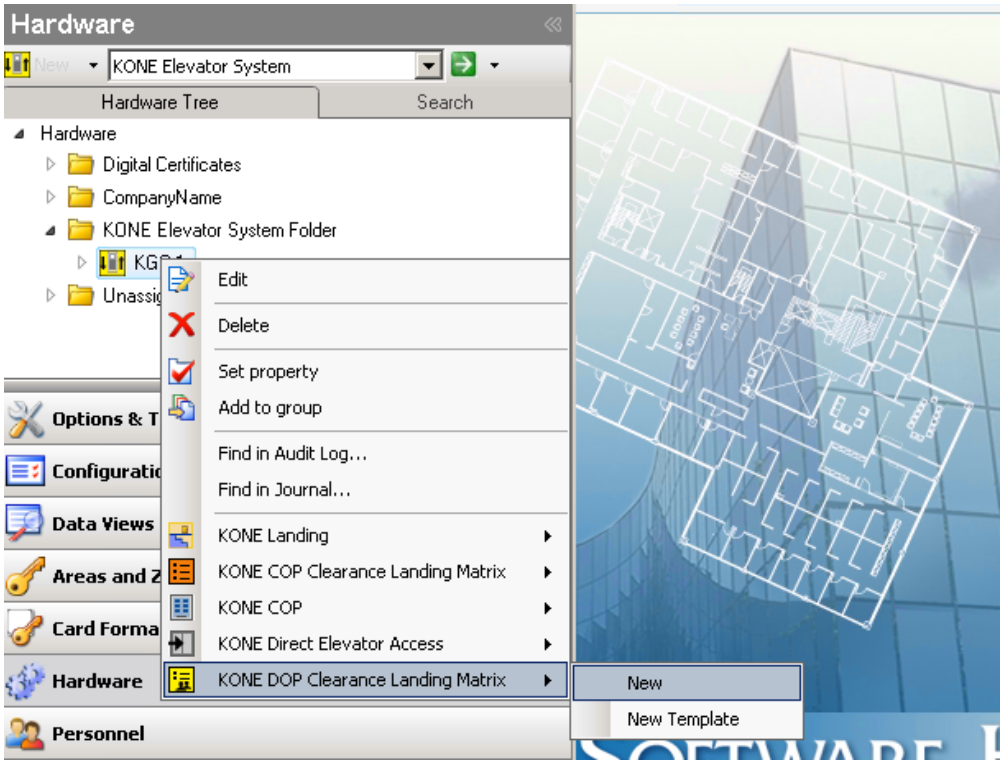
Accessing the KONE DOP Clearance Landing Matrix Dialog Box

This section describes how to access the KONE DOP Clearance Landing Matrix dialog box.

To Access the Dialog Box

1. Right-click on the elevator system icon under the KONE Elevator System folder and select KONE DOP Clearance Landing Matrix>New, as shown in Figure 47 on Page 119.

Figure 47: Access the KONE DOP Clearance Landing Matrix Dialog Box



The KONE DOP Clearance Landing Matrix dialog box opens.

KONE DOP Clearance Landing Matrix Dialog Box

The KONE DOP Clearance Landing Matrix dialog box, shown in Figure 48 on Page 121, is used to define up to 255 front and 255 rear doors that can be accessed by cardholders that have a clearance associated with the landing matrix. A call placed at a high priority is often configured in KONE to provide the next available elevator to the individual who places the priority elevator request.

Depending on the configuration of the KONE system, the priority request may automatically be part of the floor selected, or it may be an option to the individual at the time of floor selection to make that floor selection a priority request.

It is recommended:

- Not to configure disabled call type with any other call type.
- To have separate landing matrix for disabled call types based on the clearance.

For example: Call type 1 is assigned at a site for all people with disabilities.

John is disabled and he has the clearance: **clearance_disabled**. The **clearance_disabled** is assigned to a landing matrix which has the call type 1 and access to the 4th floor only. When John swipes, call type 1 with access to the 4th floor is dispatched to the KONE server.

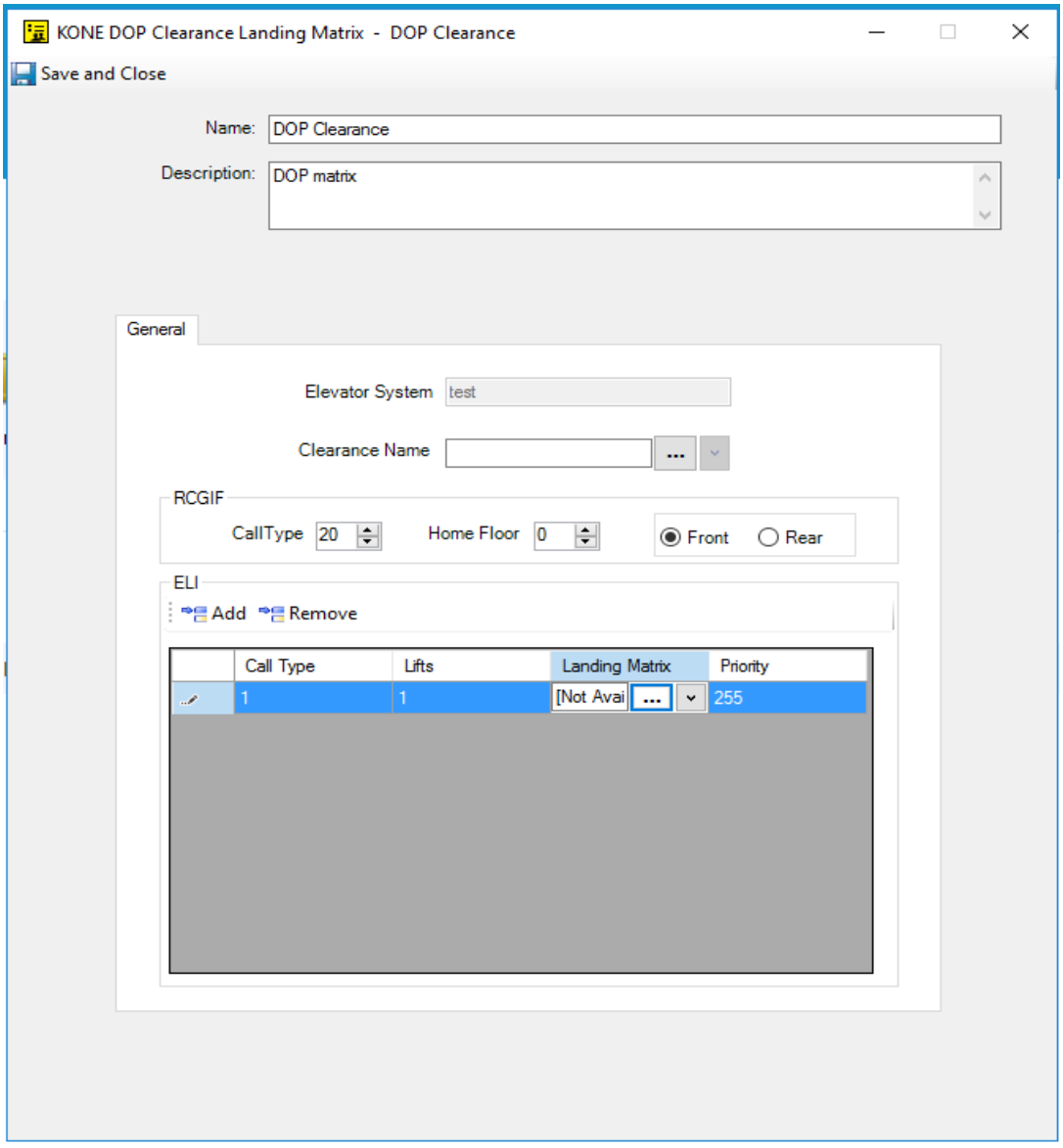
Now, another landing matrix is assigned to **clearance_disabled**, which has call type 2 and access to the 7th floor. When John swipes, call type 1 with access to the 4th floor and call type 2 with access to 7th floor are dispatched to the KONE server.

If a site has a requirement to only dispatch disabled call type to the KONE server, then you must not assign multiple call types to the disabled clearance. In this case **clearance_disabled**.

For more information, see the following:

- Accessing the KONE DOP Clearance Landing Matrix Dialog Box on Page 119
- KONE DOP Clearance Landing Matrix Dialog Box Definitions on Page 121
- KONE DOP Clearance Landing Matrix Dialog Box Tasks on Page 122

Figure 48: KONE DOP Clearance Landing Matrix Dialog Box



KONE DOP Clearance Landing Matrix Dialog Box Definitions

Table 27 on Page 121 describes the KONE DOP Clearance Landing Matrix dialog box fields and buttons.

Table 27: KONE DOP Clearance Landing Dialog Box Definitions

Field/Button	Description
Name	The unique name identifying the DOP Clearance Landing Matrix. • The name is not case-sensitive • Minimum number of characters: 1 • Maximum number of characters: 100

Field/Button	Description
Description	Optional. Enter a description for the DOP Clearance Landing Matrix. • The description is not case-sensitive • Minimum number of characters: None • Maximum number of characters: 500
Save and Close	Saves the configuration and closes the dialog box.
General Tab	
Elevator System	The name of the KONE Elevator System. This field is read-only.
Clearance Name	The pre-configured personnel clearance. This field is used to select the clearance that allows access to the Door with a reader that a person swipes their card to get authorization to use the landing.
Home Floor	Allows you to identify Clearance Landing Matrix Home Floor. You can select the Home Floor from 1 to 255. You must select either Front or Rear. This field is used while configuring KONE Direct Elevator Access.
Call Type	The Call Type number defines functions configured in KONE Group Controller. Enter the numeric value between 0 to 200. The common call types defined by KONE are: Type 0 – Normal Type 1 – ADA Type 2 – Priority Type 3- Empty Car Call Types from 4 to 200 are configurable.
Lifts	Allows you to select the lifts to be allowed for Call. You can add a maximum of 200 lifts. If the lift ID number is 0 or more than 200, then the following error message is displayed: **Range of lifts should be between 1 to 200**.
Landing Matrix	Allows selection of a pre-configured Default Landing Matrix.
Priority	Range of priority is between 1 and 255. Priority value 1 defines highest and 255 is default.

KONE DOP Clearance Landing Matrix Dialog Box Tasks

This section describes the following tasks:

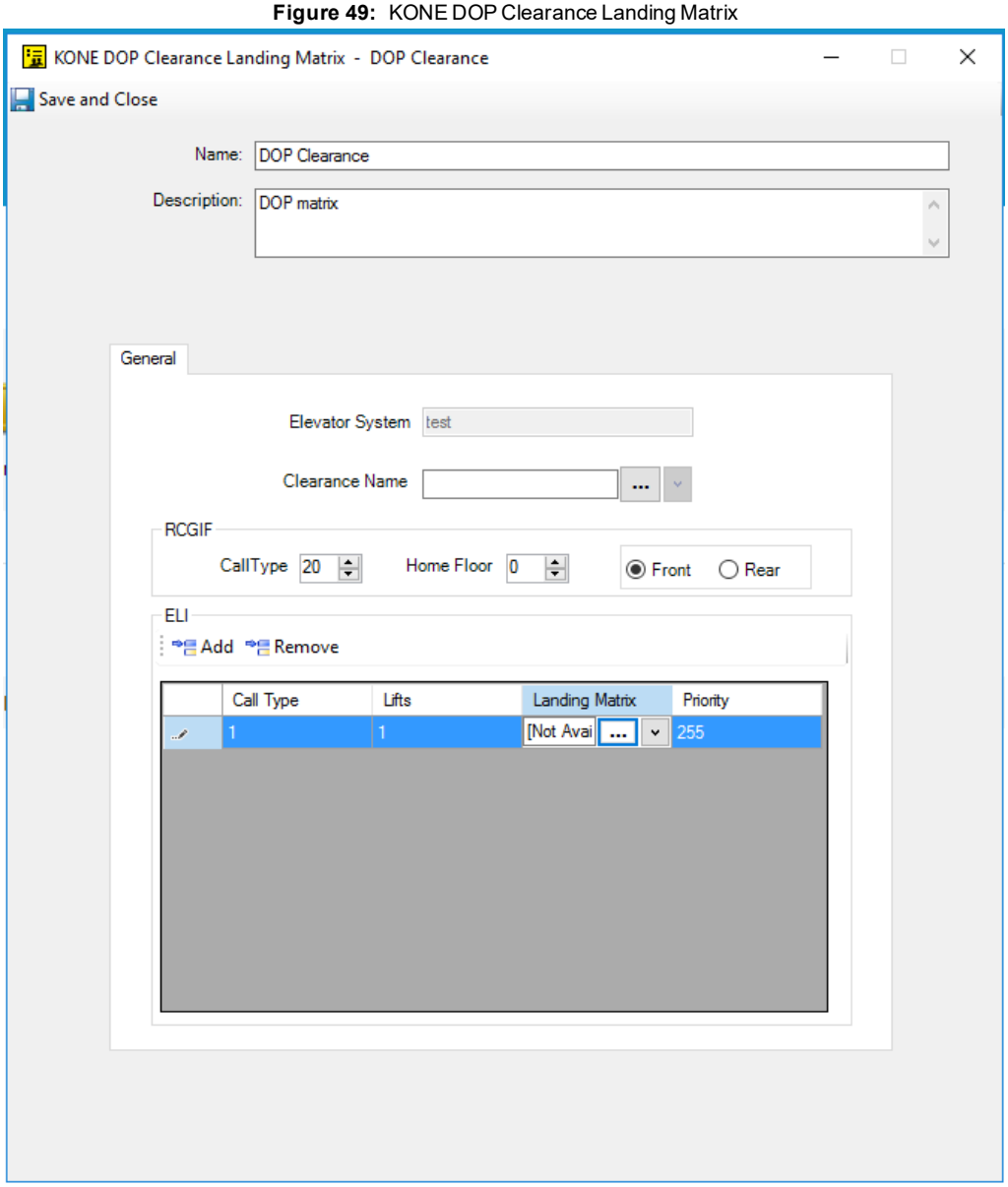
- Creating a DOP Clearance Landing Matrix on Page 123
- Creating a DOP Clearance Landing Matrix with Home Floor on Page 125
- Viewing DOP Clearance Landing Matrix Configurations on Page 125
- Editing a DOP Clearance Landing Matrix Configuration on Page 125
- Deleting a DOP Clearance Landing Matrix Configuration on Page 125
- Creating a DOP Clearance Landing Matrix Template on Page 126

Creating a DOP Clearance Landing Matrix

To Create a DOP Clearance Landing Matrix

1. Right-click the **Elevator System** icon under the KONE Elevator System folder in the Hardware tree and select **KONE DOP Clearance Landing Matrix>New**. The KONE DOP Clearance Landing Matrix window opens.

Figure 49: KONE DOP Clearance Landing Matrix



2. Enter a name for the Clearance Landing Matrix in the **Name** field. The name can have up to 100 characters.
3. (Optional) Enter a description, having up to 500 characters, in the **Description** field.
4. Follow the steps to select a Clearance Name:

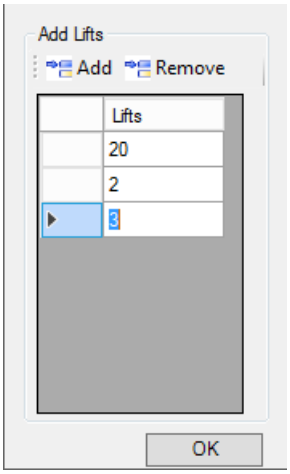
   a. Click the selection button  located on the right of the **Clearance Name** field. The Clearance Selection dialog box opens.

b. Click to select a clearance.

5. In the **Home Floor** box, type a floor number.
6. Select either **Front** or **Rear**.
7. Click **Add** to add a new row.
8. Click in the **Call Type** column and type a desired number.
9. Follow the steps to add lifts:

a. Click in the **Lifts column**, Add Lifts dialog box opens.

Figure 50: Add Lifts



b. Add desired lift ID numbers and click **OK**.

c. Click **Add**, a new row is added. The lifts are added and displayed in the Lifts column.

NOTE To remove a row, select the row and click **Remove**.

10. Follow the steps to add a Landing Matrix:

a. Click in the **Landing Matrix** column.

b. Click  , the Name Selection window opens, click to select a default landing matrix.

NOTE

- You must have created a Default Landing Matrix to select is. For information about creating a default landing matrix, KONE Default Landing Matrix Dialog Box on Page 67.
- To change the Default Landing Matrix, click the drop-down arrow and then click **Edit**. Kone Default Landing Matrix window opens, edit required details and click **Save and Close**.

11. Click in the **Priority** column and type a desired number.
12. Click **Save and Close** .

Creating a DOP Clearance Landing Matrix with Home Floor

To Create a DOP Clearance Landing Matrix with Home Floor

1. Right-click on the **Elevator System** icon under the **KONE Elevator System** folder in the **Hardware** tree and select **KONE DOP Clearance Landing Matrix>New**.
2. Enter a name, of up to 100 characters, for the clearance landing matrix in the **Name** field.
3. Enter a description (optional) of up to 500 characters in the **Description** field.
4. Click on the selection button  located to the right of the Clearance Name field to open the Clearance selection dialog box.
5. Click on a clearance to select it.
6. Enter a value, between 1 and 255, to identify **Clearance Landing Matrix Home Floor**. You must select either **Front** or **Rear**. This field is used while configuring KONE Direct Elevator Access.
7. Click **Save and Close** when done.

Viewing DOP Clearance Landing Matrix Configurations

To View DOP Clearance Landing Matrix Configurations

1. Click on the Hardware drop-down menu and select **KONE DOP Clearance Landing Matrix**.
2. Click on the green right arrow  located to the right of the **Hardware** drop-down menu. The KONE DOP Clearance Landing Matrix tab opens in the Dynamic View displaying a list of DOP Clearance Landing Matrix configurations.

Editing a DOP Clearance Landing Matrix Configuration

To Edit a DOP Clearance Landing Matrix Configuration

1. Click on the **Hardware** drop-down menu and select **KONE DOP Clearance Landing Matrix**.
2. Click on the green right arrow  located to the right of the Hardware drop-down menu. The KONE DOP Clearance Landing Matrix tab opens in the Dynamic View displaying a list of DOP Clearance Landing configurations.
3. Right-click on the **KONE DOP Clearance Landing Matrix** that you want to edit and select **Edit** from the context menu. Alternately, you can double-click on the **DOP Clearance Landing Matrix** configuration to open the KONE DOP Clearance Landing Matrix dialog box.
4. Make the changes to the configuration.
5. Click **Save and Close**.

Deleting a DOP Clearance Landing Matrix Configuration

To Delete a DOP Clearance Landing Matrix Configuration

1. Click on the **Hardware** drop-down menu and select **KONE DOP Clearance Landing Matrix**.
2. Click on the green right arrow  located to the right of the Hardware drop-down menu. The KONE DOP Clearance Landing Matrix tab opens in the Dynamic View displaying a list of DOP Clearance Landing configurations.

3. Right-click on the **KONE DOP Clearance Landing Matrix** configuration that you want to delete and select **Delete** from the context menu. The Deleting KONE DOP Clearance Landing Matrix objects dialog box opens.
4. Click **Yes** to confirm the deletion. The object is deleted.
5. Click **OK** to confirm that the object was deleted.

Creating a DOP Clearance Landing Matrix Template

To Create a DOP Clearance Landing Matrix Template

1. Right-click on the Elevator System icon under the KONE Elevator System folder and select **KONE DOP Clearance Landing Matrix>New Template**.
2. Enter the information for the clearance landing matrix template.
3. Click **Save and Close**. The new template is listed under KONE DOP Clearance Landing Matrix>Templates.

12

KONE Events and Actions

This chapter describes the C•CURE 9000 events which triggers KONE Actions and the steps to configure them.

In this chapter

KONE Events

An event is a software definition that you can create using C•CURE 9000 dialog boxes and options.

Anything that C•CURE 9000 can monitor can be used to generate an event, and the event can trigger any action. You can link an event directly to a single action or you can link it to multiple events and actions. In the C•CURE 9000 KONE Elevator Integration you can use an event to trigger event actions.

For more information, see the following:

- KONE Actions and Target Objects on Page 129
- Configuring C•CURE Events for KONE Actions on Page 130

KONE Actions and Target Objects

An action is a series of tasks, or a single task, that's executed when an event occurs. The target object is an object on which the action is to be taken when an event occurs.

Table 28 on Page 129 describes the KONE action and target objects.

Table 28: KONE Action and Target Objects

Actions	Target Object	Description
Secure Landing	KONE Landing	Secure the landing.
Un-secure Landing	KONE Landing	Un-secures the landing.

Configuring C•CURE Events for KONE Actions

The two KONE event actions, Secure Landing and Un-secure Landing, are time-based events. You create a manual action and then schedule the time to secure or un-secure a landing.

This section describes the following tasks:

- Configuring the Secure Landing Event on Page 130
- Configuring the Un-secure Landing Event on Page 130

Configuring the Secure Landing Event

To Configure the Secure Landing Event

1. In the Navigation pane of the Administration Workstation, click **Configuration** to open the Configuration Pane.
2. Select **Event** from the Configuration drop-down list.
3. Click **New** to create a new Event. The Event Editor opens.
4. Enter a name for this Event in the **Name** field.
5. Enter a description for this Event in the **Description** field.
6. Click **Enabled** to make the Event available to C•CURE 9000 operators.
7. Click on the **Actions** tab to define the action that you want to set for the Event.
8. Click **Add**.
9. Click in the **Action** column to display a drop-down list of valid actions.
10. Select **Secure Landing**. When you select Secure Landing option, the KONE Landing entry field appears at the bottom of the dialog box.
11. Click on the selection button  to select a pre-configured KONE Landing.
12. (Optional) Click in the **Resettable** check box if you want to allow an operator responding to the Event to reset the action without acknowledging the Event. This allows Monitoring Station personnel to manually reset the action caused by the event. Reset actions do not require even acknowledgment.
13. Click on the General tab.
14. In the Default State section, click Armed to arm the event as the default state.
15. In the **Priority** section, select a value from the drop-down to set the priority level the system uses for sorting when displaying on the Monitoring Station and prioritizing actions associated with the event.
16. In the **Scheduling** section, click on the **Activate on Schedule** selection button to open a selection box listing schedules.
17. Click on a **Schedule** to select it.
18. Click **Save and Close** to save the configuration.

Configuring the Un-secure Landing Event

To Configure the Un-secure Landing Event

1. In the Navigation pane of the Administration Workstation, click **Configuration** to open the Configuration Pane.
2. Select **Event** from the Configuration drop-down list.

3. Click **New** to create a new Event. The Event Editor opens.
4. Enter a name for this Event in the **Name** field.
5. Enter a description for this Event in the **Description** field.
6. Click **Enabled** to make the Event available to C•CURE 9000 operators.
7. Click on the **Actions** tab to define the action that you want to set for the Event.
8. Click **Add**.
9. Click in the **Action** column to display a drop-down list of valid actions.
10. Select **Un-secure Landing**. When you select the Un-secure Landing option, the KONE Landing entry field appears at the bottom of the dialog box.
11. Click on the selection button  to select a pre-configured KONE Landing.
12. (Optional) Click in the **Resettable** check box if you want to allow an operator responding to the Event to reset the action without acknowledging the Event. This allows Monitoring Station personnel to manually reset the action caused by the event. Reset actions do not require event acknowledgment.
13. Click on the **General** tab.
14. In the **Default State** section, click **Armed** to arm the event as the default state.
15. In the **Priority** section, select a value from the drop-down to set the priority level the system uses for sorting when displaying on the Monitoring Station and prioritizing actions associated with the event.
16. In the **Scheduling** section, click on the **Activate on Schedule** selection button  to open a selection box listing schedules.
17. Click on a schedule to select it.
18. Click **Save and Close** to save the configuration.

13

Monitoring KONE Elevator Activity

This chapter describes the C•CURE 9000 Monitoring Station Activity Viewer and also provides the procedure to cancel KONE manual actions.

In this chapter:

C•CURE 9000 Monitoring Station Activity Viewer

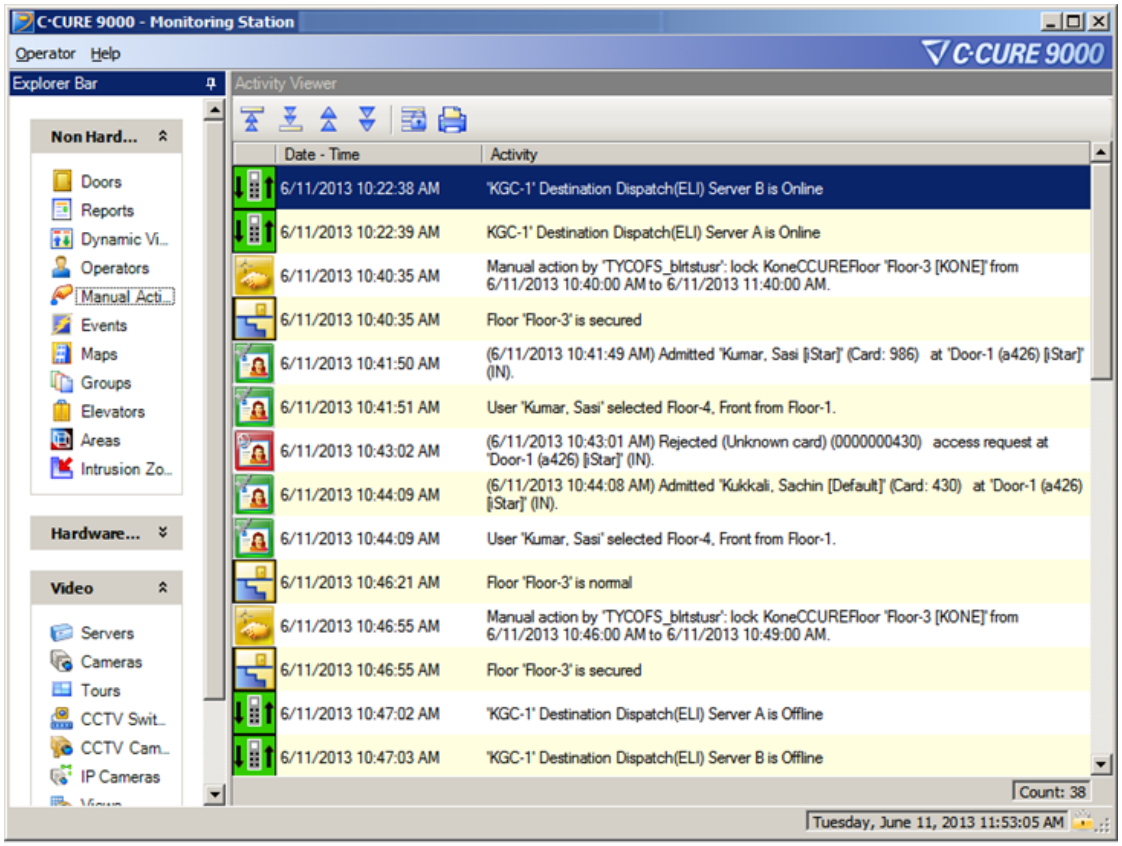
The C•CURE 9000 Monitoring Station Activity Viewer, shown in Figure 51 on Page 133, displays the KONE access control activities.

Activities in the list are displayed in rows that contain an icon, the date and time of the activity, the type of activity or object, its name, the object's partition name [in brackets], and an activity message.

You can click the activity icon to view additional information about the object, or right-click the icon to display the context menu for more options or to initiate a manual action.

See the C•CURE 9000 Monitoring Station Guide for more information about the Activity Viewer.

Figure 51: Monitoring Station Activity Viewer



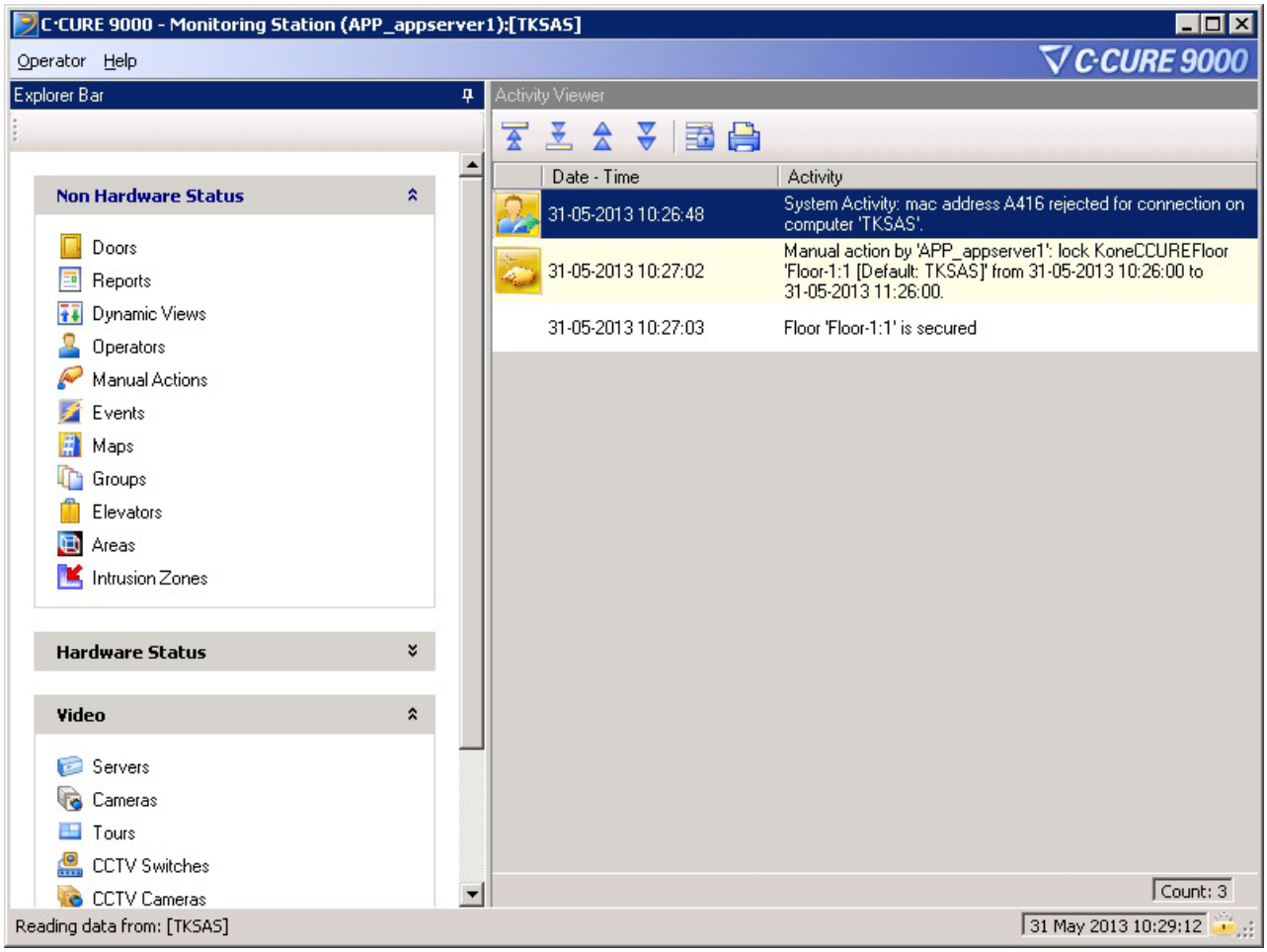
Cancel Manual Actions

This section describes how to cancel the Secure Landing and Un-Secure Landing manual actions in the Monitoring Station.

To Cancel a Manual Action in the Activity Viewer

1. Go to the Monitoring Station Activity Viewer, as shown in Figure 52 on Page 134.

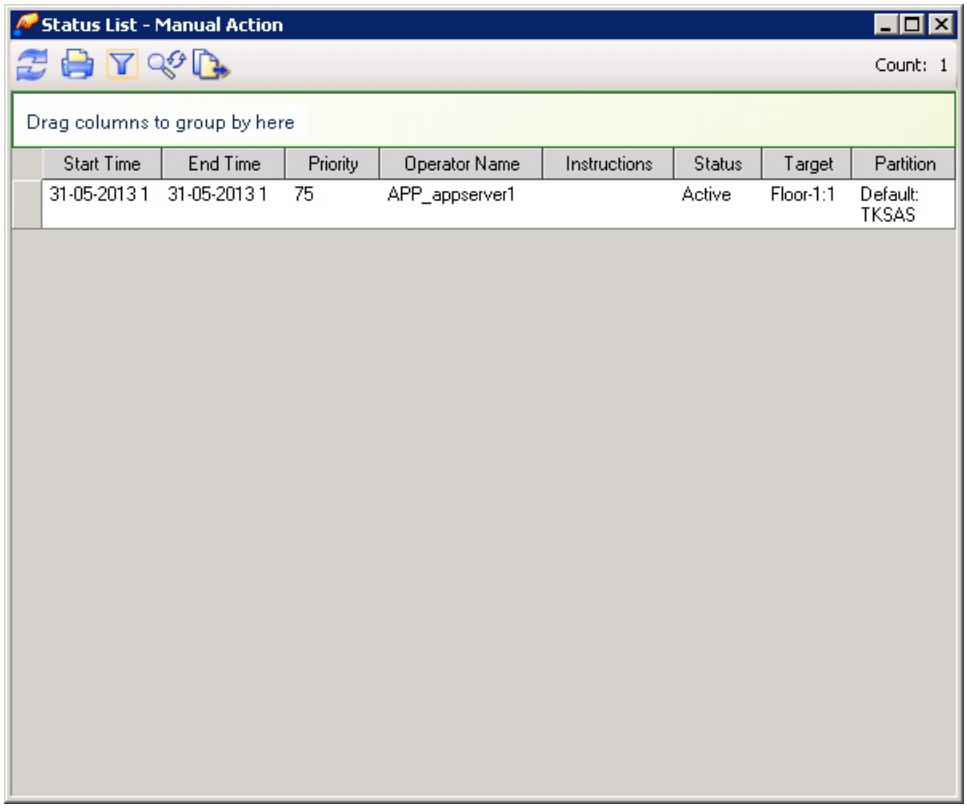
Figure 52: Monitoring Station Activity Viewer



A list of all activities since the Monitoring Station was opened are displayed.

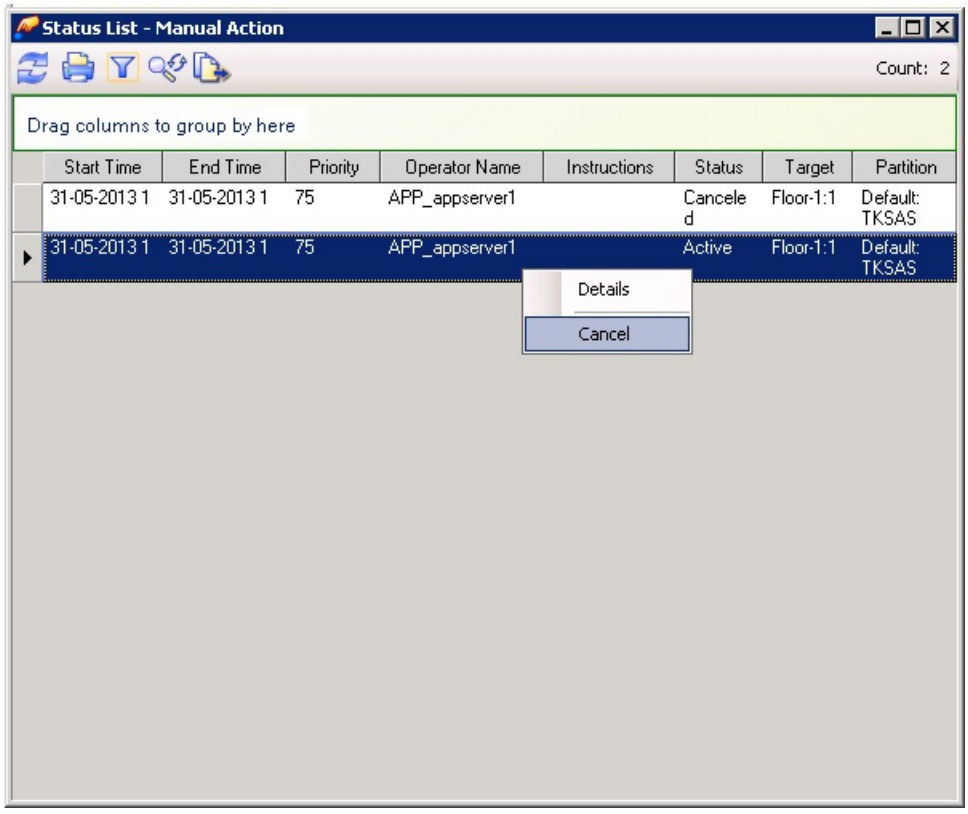
2. Click on Non-Hardware Status under the Explorer Bar.
3. Click on Manual Actions under Non-Hardware Status. The Status List - Manual Action dialog box, as shown in Figure 53 on Page 135, opens displaying a list of manual actions and their current status.

Figure 53: Status List Dialog Box



4. Right-click on the **Manual Action** in the dialog box that you want to cancel and select **Cancel** from the drop-down menu, as shown in Figure 55 on Page 177.

Figure 54: Canceling the Manual Action



A new entry appears in the Activity Viewer to indicate that the manual action was canceled.

14

Journal and Audit Messages

This chapter discusses the Journal and the Audit messages and how to locate them.

In this chapter:

Journal and Audit Log Messages

Table 29 on Page 138 lists the journal messages reported by the KONE Elevator System to the C•CURE 9000 database.

All configuration changes to the C•CURE 9000 database are recorded to the Audit Log.

Table 29: Journal Log Messages

Category	Object	State Changes	Message Description
KONEObjectChange State	Elevator System	Online	<name of the Elevator System> Server A is Online <name of the Elevator System> Server B is Online
		Offline	<name of the Elevator System> Server A is Offline <name of the Elevator System> Server B is Offline
	RCGIF	Online	<name of the Elevator System> Elevator Direct Access (RCGIF) Server A is Online
		Offline	<name of the Elevator System> Elevator Direct Access (RCGIF) Server B is Offline
System Activity	Driver	Start	System Activity: KONE Elevator Driver Service started on computer <computer name>
		Stop	System Activity: KONE Elevator Driver Service stopped on computer <computer name>
KONE Elevator Message	Elevator System	Floor Selection	<personnel name> selected Landing # Front/Rear
Manual Actions	Landing	Secure	Manual action by <Operator Name> lock <KONE CCUREFloor <Landing Name>from <Date Start time> to <Date End Time>
		Unsecure	Manual action by <Operator Name> unlock <KONE CCUREFloor <Landing Name>from <Date Start time> to <Date End Time>

Locating KONE Objects in the Journal

You can search for journal entries related to the KONE Elevator.

NOTE DOP and Landing object types are listed in the Journal, in **Options and Tools**, because the DOP and Landing will not have any journal entries.

To Locate Journal Entries for a KONE Elevator Object

1. Right click a KONE Elevator object in the Hardware Tree and select **Find in Journal** from the context menu. The Query Parameters dialog box opens. By default the query searches in the Journal for occurrences of the selected KONE Elevator System object within the last 7 days.
2. Click **Run**. A Query - Journal for dialog box opens displaying the Journal Entries for the KONE Elevator object. Alternatively, you can click **Modify** to modify the query definition, adding or removing query parameters.

NOTE KONE objects, such as the KONE Clearance Landing Matrix, KONE Default Landing Matrix, and KONE Landing, KONE DOP, and the KONE Global Landing Matrix cannot be removed from the Journal Query due to a C•CURE 9000 limitation.

Locating KONE Audit Log Entries

You can search for Audit Log Entries related to the KONE Elevator.

NOTE Default Landings configured with a schedule and Global Landing Matrix configurations do not capture Audit Logs. Audit Logs are captured for DOP ID, Door Name, and the Default Landing Matrix configurations without a schedule.

To Locate Audit Log Entries for a KONE Elevator Object

1. Right click a KONE Elevator object in the Hardware Tree and select **Find in Audit Log** from the context menu. The Query parameters dialog box opens. By default the query searches in the Audit Log for occurrences of the selected KONE Elevator System object within the last 7 days.
2. Click **Run**. The Query - Audit Log opens displaying the Audit Log Entries for the KONE Elevator object. Alternatively, you can click **Modify** to modify the query definition, adding or removing query parameters.

15

Troubleshooting

This chapter helps to resolve problems you may encounter with C•CURE 9000 KONE Elevator Integration.

In this chapter:

Troubleshooting

This section provides troubleshooting information for issues that may occur in the KONE Integration.

Problem

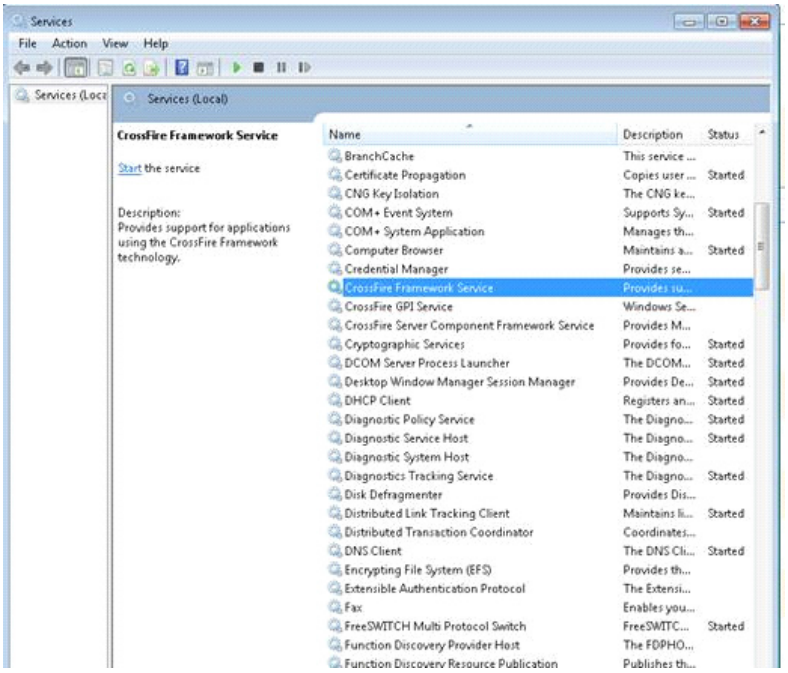
Sometimes the installation may fail if the CrossFire service does not stop on time and throws a time out error.

Solution

Ensure that you have completed the following steps:

- Check if the CrossFire service is stopped from services panel in case of installation failure. Refer to Figure 55 on Page 142.
- Wait till the CrossFire service is stopped and then trigger the installation again. This will work fine as the service is stopped already.

Figure 55: CrossFire Services



A

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This appendix contains the third-part copyright, trademarks and license information.

In this chapter:

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B

Cache Loading Time and Card Swipe Dispatch Time

This appendix contains the information about the time taken to load cache and the Card Swipe Dispatch Time.

In this chapter:

Cache Loading Time and Card Swipe Dispatch Time

This section provides information about the time taken to load cache and the Card Swipe Dispatch Time based on the number of Personnel Clearance Pairs.

The following system configuration was used to test:

- System Type: VM
- RAM: 8 GB
- No. of Core: 4

Test Condition and Results

Condition 1: Total number of personnel were 50 thousand, each person had 2 Clearances and the following KONE Integration configuration:

No. of Elevator Servers	No. of DOP	No. of Clearance Landing Matrix	No of Landing	No. of RCGIF
2	4	15	20	1

Result: Total Personnel Clearance pairs are 100 thousand (50 thousand * 2). It takes 50 seconds(sec) to load 100 thousand records in cache. The card swipe dispatch time is 35 milli seconds (msec).

Condition 2: Total number of personnel were 50 thousand, each person had 5 Clearances and the following KONE Integration configuration:

No. of Elevator Servers	No. of DOP	No. of Clearance Landing Matrix	No of Landing	No. of RCGIF
2	10	25	20	1

Result: Total Personnel Clearance pairs are 250 thousand (50 thousand * 5). It takes 1 minute 40 sec to load 250 thousand records in cache. The card swipe dispatch time is 75 msec.

Condition 3: Total number of personnel were 50 thousand, each person had 10 Clearances and the following KONE Integration configuration:

No. of Elevator Servers	No. of DOP	No. of Clearance Landing Matrix	No of Landing	No. of RCGIF
2	10	50	20	1

Result: Total Personnel Clearance pairs are 500 thousand (50 thousand * 10). It takes 4 minutes 20 seconds(sec) to load 500 thousand records in cache. The card swipe dispatch time is 150 msec.

Condition 4: Total number of personnel were 50 thousand, each person had 15 Clearances and the following KONE Integration configuration:

No. of Elevator Servers	No. of DOP	No. of Clearance Landing Matrix	No of Landing	No. of RCGIF
2	10	50	20	1

Result: Total Personnel Clearance pairs are 750 thousand (50 thousand * 15). It takes 12 minutes to load 750 thousand records in cache. The card swipe dispatch time is 360 (msec).