tyco | Software House

C•CURE 9000

OTIS Elevator System Integration Guide

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Johnson Controls

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Preface

The *C•CURE 9000 OTIS 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

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How to Use this Manual

This manual contains chapters and appendices that provide the following information about the C•CURE 9000 OTIS Elevator System integration:

Chapter 1: Introduction

This chapter describes the OTIS Elevator System integration and its features.

Chapter 3: Installation

This chapter provides the pre-installation requirements, installation procedure, licensing information, and the uninstall procedure.

Chapter 2: OTIS Elevator System Configuration

This chapter provides the OTIS Elevator System Editor configuration procedures.

Chapter 4: OTIS Default Landing Matrix Configuration

This chapter provides the default landing matrix configuration procedures.

Chapter 5: OTIS Landing Configuration

This chapter describes how to configure a landing (floor).

Chapter 6: OTIS DEC Clearance Landing Matrix Configuration

This chapter provides the DEC clearance landing matrix configuration procedures.

Chapter 7: OTIS DEC Configuration

This chapter provides the DEC (Destination Entry Computer) configuration procedures.

Chapter 8: OTIS User Types

This chapter describes how to associate personnel to a User Type.

Chapter 9: OTIS Events and Actions

This chapter describes the OTIS events and the steps to configure them.

Chapter 10: Monitoring OTIS Elevator Activity

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

Chapter 11: Journal and Audit Messages

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

Chapter 12: Troubleshooting

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

Appendix A: Third-Party Copyright and Trademarks

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 are available in Adobe PDF format on the C•CURE 9000 installer. The available C•CURE 9000 and Software House manuals are listed in the *C•CURE 9000 Installation and Upgrade Guide*.

These manuals are also available from the Software House website (http://www.swhouse.com).

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 guidelines apply:

- 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	For telephone support contact numbers for all regions, see http://www.swhouse.com/support/contact_technical_support.aspx.	

1

Introduction

This chapter describes the OTIS System Elevator and the integration with C•CURE 9000.

In this chapter:

Overview 14
Features 15
Architecture 16
Terminology 18
Operation Modes 19
ICD Version and Heartbeat Type Settings 21

Overview

The OTIS Compass 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 Entry Computer (DEC) outside of the elevator. The card reader accesses the personnel privilege assigned to a specific OTIS Elevator access configuration.

How OTIS Compass Integration Works

In a typical Destination Dispatching System (DDS) deployment, a C•CURE 9000 reader/keypad combination is deployed in proximity to each OTIS Destination Entry Computer (DEC) – a touch-screen or keypad device. An OTIS DEC communicates with an OTIS Destination Entry Server(DES) that manages a group of elevators. The C•CURE 9000 contains objects that represent the DER, DES, and DECs, including their relationships to Personnel,Clearances, and Floors.

Features

The OTIS integration with the C•CURE 9000 offers the following features:

- Supports secured access to particular floors of multi-level building by ensuring that only the authorized personnel can enter or exit on that floor.
- Supports Multicast and Unicast Heartbeat Types.
- Supports Interface Control Document (ICD) Version 1, Version 2, Version 2.2, Version 3, and Version 3.1.

NOTE It is recommended to configure all OTIS DES hardware with same ICD versions.

- Supports OTIS Configuration user interface to configure ICD version and Heartbeat Type.
- Supports the following Operational Modes which can also be scheduled.:
  - Mode 1 - Default Floor Only
  - Mode 2 - Access to Authorized Floors
  - Mode 3 - User Entry of Destination Floor
  - Mode 4 - User Entry of Default Floor
- Supports floor selection messages for a DEC.
- Supports Reason Codes for denied floor access.
- Supports a Destination Entry Server (DES) Audit display that shows the elevator activity of Personnel.
- Supports front and rear door configuration.
- Supports the use of card swipe on the inbuilt reader of the DEC.
- Supports Schedule-based floor access for all personnel.
- Supports DEC PIN code entry. When this feature is enabled the customer can use PIN code entry to navigate to floors in the building without needing to swipe their card.
- Supports C•CURE 9000 event configuration based on elevator communication status.
- Supports Remote monitoring using the C•CURE 9000 Monitoring Station.
- Supports 255 floors by each elevator group, and the front and rear doors of each elevator cab.
- Supports default floor configuration.
- Supports Secure or unsecure floors through Events, Schedules, or Operator menus.
- Supports the assigning of an exemption group who can access secured floors.
- Supports Maintenance mode, which is used to limit information about an object, displays on the Monitoring Station.
- Supports 15 DES per C•CURE Server and 25 DEC per DES. Please refer C•CURE Release Note for information on detailed performance results.
- Supports TLS 1.2 for security.
- Supports multiple iStar doors configuration through iStar Doors tab under DEC object.

Architecture

The architecture of the OTIS Elevator Integration shows how the C•CURE 9000 security system interacts with the OTIS Elevator Destination Entry System. The following images depict the relationship between the OTIS Elevator system and C•CURE 9000.

Figure 1: C•CURE 9000 OTIS Elevator Integration Architecture (with iSTAR Controller)

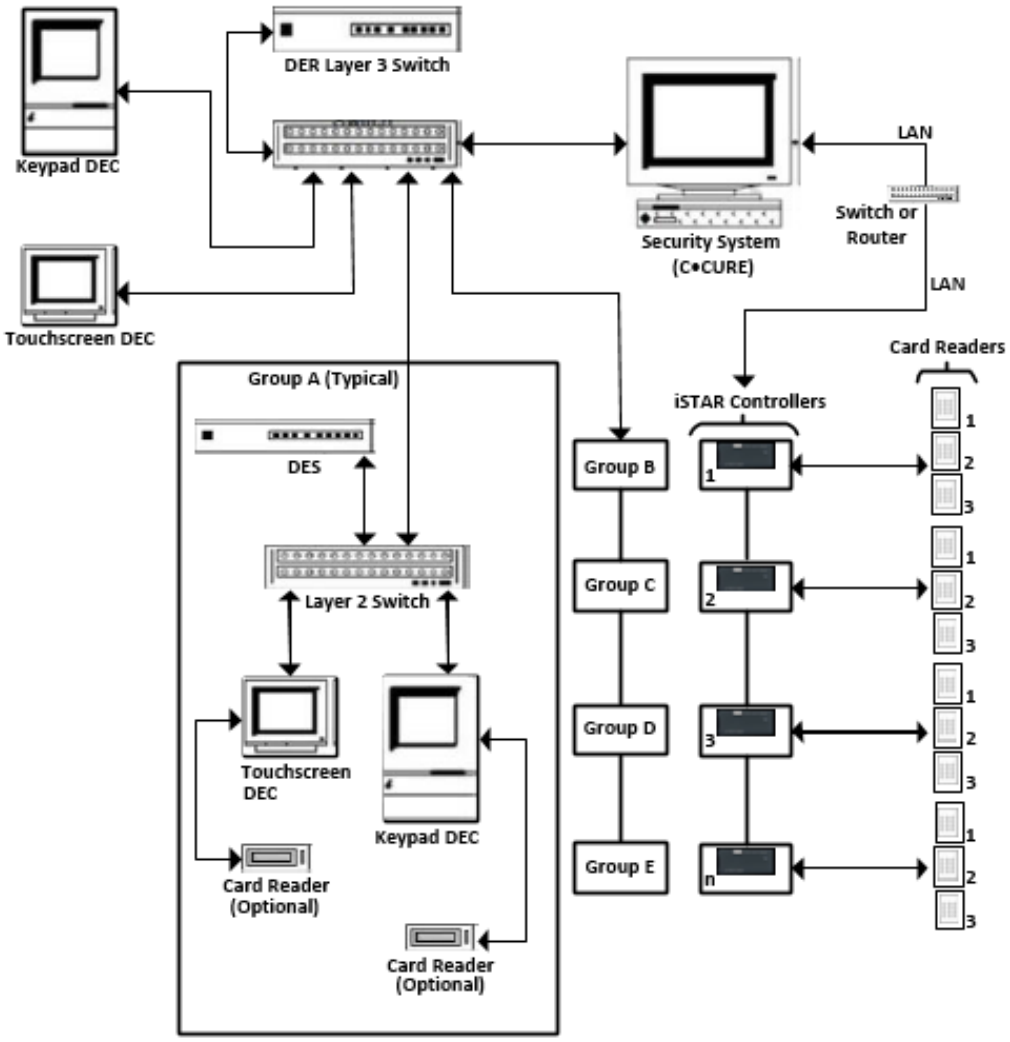
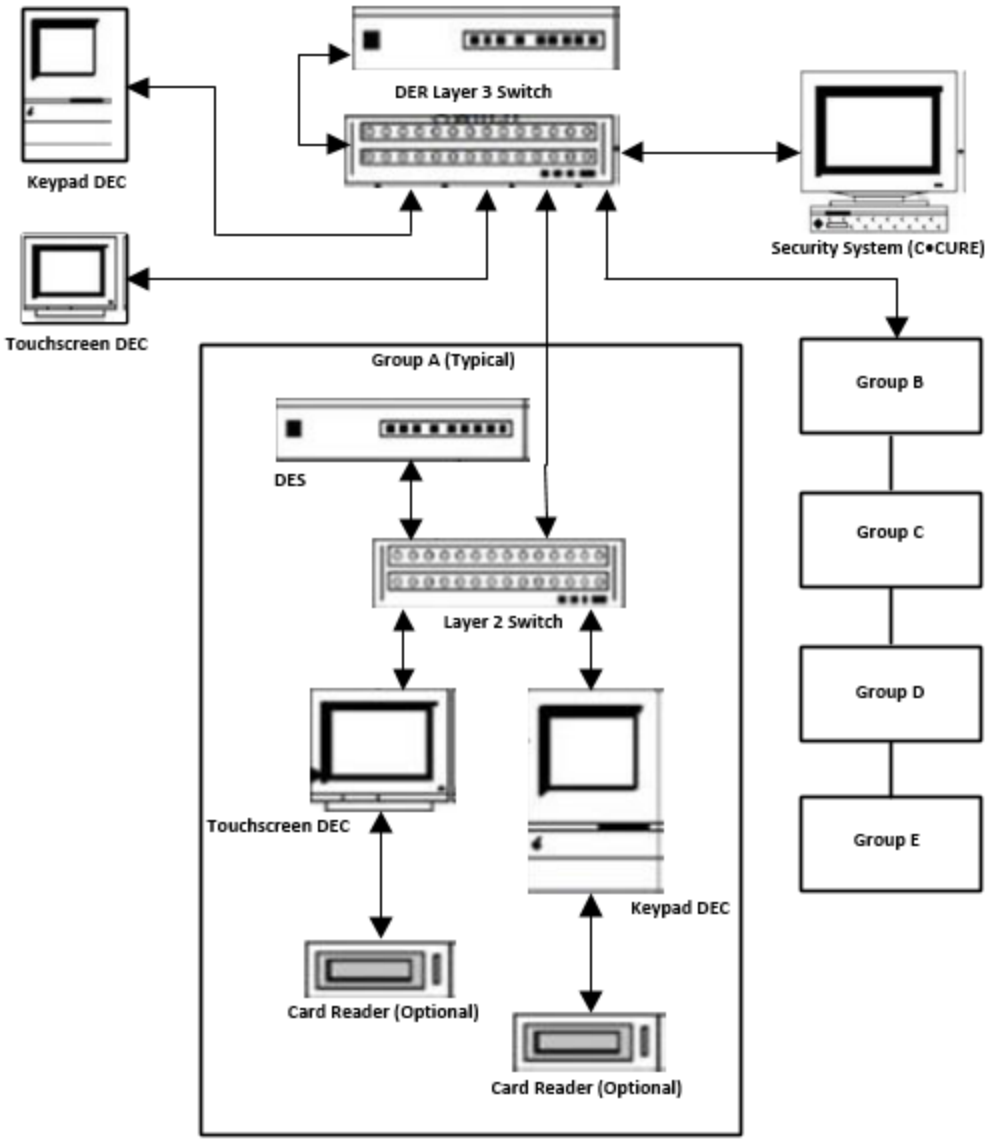


Figure 2: C•CURE 9000 OTIS Elevator Integration Architecture (without iSTAR Controller)



Terminology

Table 1 on Page 18 describes the terms and their definitions related to the OTIS Elevator System integration.

Table 1: OTIS Elevator System Integration Terminology

Term	Definition
DDS	Destination Dispatching System. The OTIS system used to process passenger input and route traffic to elevators.
DER	Destination Entry Redirector. The OTIS name for the device that connects all elevator groups and allows the routing of passengers from DECs in a common area to any elevator groups in a building.
DES	Destination Entry Server. The OTIS name for the device that controls the routing of passengers to a group of elevators.
Allowed Floors	Allowed Floors are OTIS floor numbers that are designated at a DEC as accessible without a credential.
Authorized Floors	Authorized Floors are floors that are specifically identified as accessible in a Personnel credential. Authorized Floors are defined in C•CURE 9000 by including them in a Clearance and assigning the clearance to a Personnel record.
DEC	Destination Entry Computer. A DEC is a touch screen or keypad device that is used for passenger interaction with the OTIS System.
ICD	Interface Control Document
PIN	Personal Identification Number

Operation Modes

C•CURE 9000 OTIS Compass Integration supports the four Operational Modes available with the OTIS Compass Destination Entry System. You specify the Operational mode used for an OTIS DEC on the OTIS DEC Editor General tab.

Default Floor (Operation Mode 1)

In this operation mode, each authorized cardholder has been assigned a default floor, and certain floors may have been designated as Allowed Floors (public access is allowed without a credential).

A potential passenger presents a credential at a C•CURE 9000 credential reader and it is interpreted by the C•CURE 9000, or a potential passenger enters a destination floor at the DEC.

This activity results in one of the following responses:

- If a credential was presented and validated, a default floor for the passenger is transmitted to the DEC from C•CURE 9000, the DEC forwards the request to the DES for a car assignment., and displays that car assignment to the passenger.
- If C•CURE 9000 determines that the credential is invalid or the destination entered is not allowed, then C•CURE 9000 transmits this information to the DEC, and the DEC displays a message informing the potential passenger that the destination request has been denied.
- If the destination request is allowed by the DEC, the DEC forwards the request to the DES for a car assignment, and displays that car assignment to the passenger.

Access to Authorized Floors (Operation Mode 2)

In this operation mode, each authorized cardholder has been assigned Clearances that provide access to specific floors. A potential passenger presents a credential at a C•CURE 9000 credential reader and selects a destination floor at the OTIS DEC. C•CURE 9000 interprets the credential and transmits to the OTIS DEC an admit message along with a list of authorized floors, or a reject message.

This activity results in one of the following responses:

- The credential holder is given a car assignment by the DEC because their credential and their destination floor request were valid.
- The DEC displays a rejection message and informs the passenger that they should seek assistance.

User Entry of Destination Floor (Operation Mode 3)

In this operation mode, the potential passenger selects a destination floor. This may be performed with or without the presentation of a credential to C•CURE 9000.

This activity results in one of the following responses:

- The passenger's requested floor is accepted without C•CURE 9000 authorization, the DEC forwards the request to the DES for a car assignment, and displays that car assignment to the passenger.
- If the passenger presented a credential to C•CURE 9000, their Authorized Floors are transmitted to the DEC from C•CURE 9000, and if their requested floor is authorized, the DEC forwards the request to the DES for a car assignment, and displays that car assignment to the passenger.
- If C•CURE 9000 informs the DEC that the credential and/or the requested floor is invalid, the DEC displays a message informing the potential passenger that the destination request has been denied.

Default Floor or User Entry of Destination Floor (Operation Mode 4)

In this operation mode, the potential passenger presents a credential to the C•CURE 9000 Reader. Within a timeout period (specified on the DDS Editor General tab), the passenger may override the default floor and choose another destination floor. The timeout period is based on Personnel record settings in C•CURE 9000, as transmitted to the Otis DEC. If the passenger is a Standard Passenger then the timeout period is 3 seconds. If the passenger is identified in C•CURE 9000 as requiring Alternate Shunt for Americans with Disabilities Act (ADA) compliance, then the timeout is 6 seconds.

This activity results in one of the following responses:

- C•CURE 9000 transmits the passenger's Default and Authorized Floors to the DEC, the DEC forwards the request to the DES for a car assignment, and displays that car assignment to the passenger.
- C•CURE 9000 informs the DEC that the credential and/or the requested floor is invalid, and the DEC displays a message informing the potential passenger that the destination request has been denied.

ICD Version and Heartbeat Type Settings

OTIS Configuration allows you to set ICD Versions and Heartbeat Types for communicating with the OTIS Elevator Server (DES). OTIS Configuration settings determines which ICD Version and Heartbeat Type is used for the OTIS Integration.

This configuration is pre-configured, and default ICD Version is set as 3.1 and default Heartbeat Type is set as Multicast. For more information see, Updating the OTIS Configuration for the OTIS Integration on Page 21

NOTE It is recommended to configure ICD Version and Heartbeat Type before configuring the OTIS Elevator objects.

NOTE ICD Version 1.0 does not support the following features:

- Audit messages
- PIN code entry
- Rear doors for elevators

Updating the OTIS Configuration for the OTIS Integration

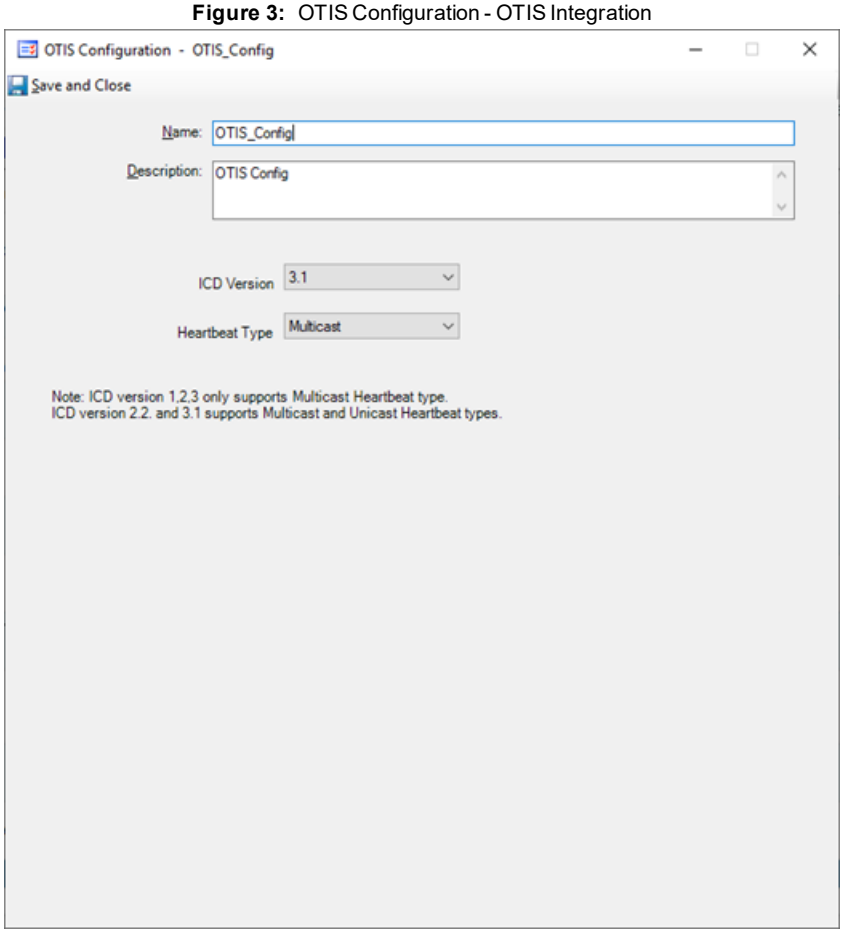
OTIS Configurations determines which ICD Version and Heartbeat Type is used for the OTIS Integration.

To Update the OTIS Configuration for the OTIS Integration

1. In the Administration Station, on the **Hardware** pane, expand the **Company Name** folder.
2. Right click the **OTIS Configuration** and select **Edit**.
3. Select the required ICD version from the **ICD Version** dropdown and Heartbeat Type from the **Heartbeat Type** dropdown.
4. Click **Save and Close**.

Any changes you make, occurs immediately, and do not require a driver restart to take effect.

Figure 3: OTIS Configuration - OTIS Integration



Refer to Table 2 on Page 22 for the configured ICD Versions and Heartbeat Types.

Table 2: Supported combinations of ICD Version and Heartbeat Type

Serial Number	ICD Version	Heartbeat Type
1	1	Multicast
2	2	Multicast
3	2.2	Multicast
4	2.2	Unicast
5	3	Multicast
6	3.1	Multicast
7	3.1	Unicast

NOTE

- Option to configure ICD Versions through System Variable is no longer supported.
- Changing the ICD Versions (or) Heartbeat Types (or) both the settings together will result in the loss of communication with DES and DECs configured in the system momentarily but after a few seconds (approx 5-7 seconds), communication re-establishes automatically.

2

OTIS Elevator System Configuration

This chapter describes how to setup the OTIS Elevator System using the OTIS Elevator System Editor.

In this chapter:

Creating an OTIS Elevator System Folder 24
Accessing the OTIS Elevator System Editor Dialog Box 25
OTIS Elevator System Editor Dialog Box 26
Landing Tab 31
Triggers Tab 32
Status Tab 35
Override Tab 37
State Images Tab 39

Creating an OTIS Elevator System Folder

To Create a New OTIS Elevator System Folder

1. Double-click the Administration Workstation icon on the desktop to open it.

   (Alternately, you can select **All Programs>Tyco>C•CURE 9000>Administration Station**.)
2. Click the **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 OTIS Elevator System folder.
5. Click **Save and Close**.

The new folder is listed under the Hardware tree.

Accessing the OTIS Elevator System Editor Dialog Box

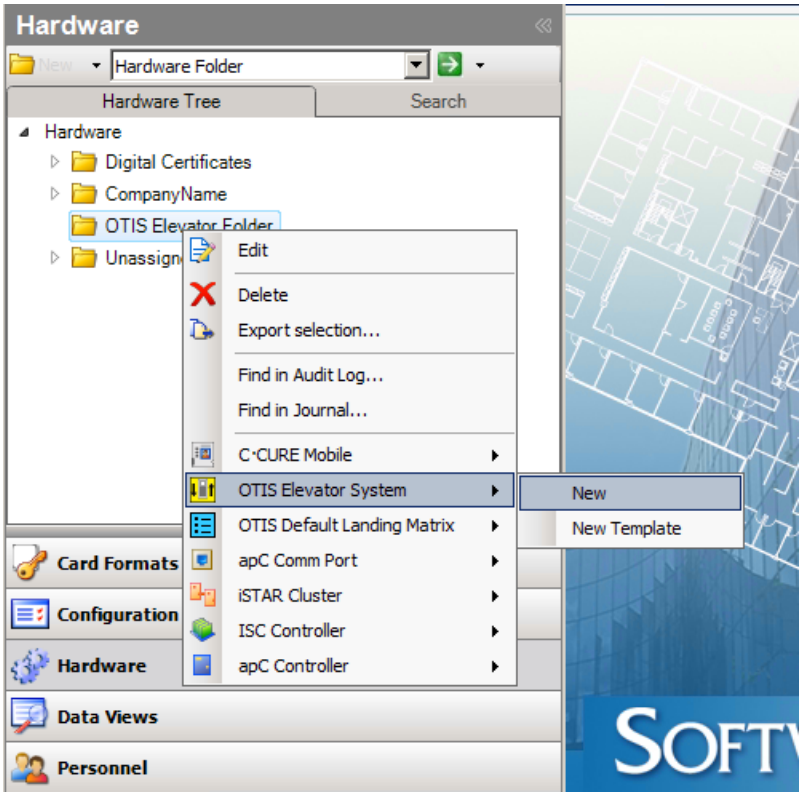
This section explains how to access the OTIS Elevator System in the C•CURE 9000.

NOTE This section assumes that you already created a folder for the OTIS Elevator System. See Creating an OTIS Elevator System Folder on Page 24 for more information.

To Access the OTIS Elevator System Editor

1. Open the C•CURE 9000 Administration Station.
2. Click the **Hardware** Pane.
3. Click the Hardware drop-down menu and select **Hardware Folder**.
4. Right-click the OTIS Elevator System folder and select **OTIS Elevator System>New**, as shown in Figure 4 on Page 25.

Figure 4: Access the OTIS Elevator System Dialog Box



The OTIS Elevator System dialog box, shown in Figure 5 on Page 27, opens with the General tab selected.

OTIS Elevator System Editor Dialog Box

The OTIS Elevator System Editor dialog box, shown in Figure 5 on Page 27, is used to create an identity for the elevator system, select the DES or DER option, enter IP addresses for the primary and backup servers, configure triggers and events, view configured Landings in the elevator group, and optionally change state images..

For more information on DES and DER, see the following:

- Destination Entry Server (DES) on Page 26
- Destination Entry Redirector (DER) on Page 26

Destination Entry Server (DES)

An OTIS DES is a Destination Entry Server that supports the DECs (Destination Entry Computers) for a group of elevators. In the OTIS Elevator System, there are two DES to configure. One DES acts as a primary server (Server A) and the other as a backup server(Server B) in case the primary encounters a problem and cannot serve its intended function. The backup server is provided in the event that it is needed as a fail-over device.

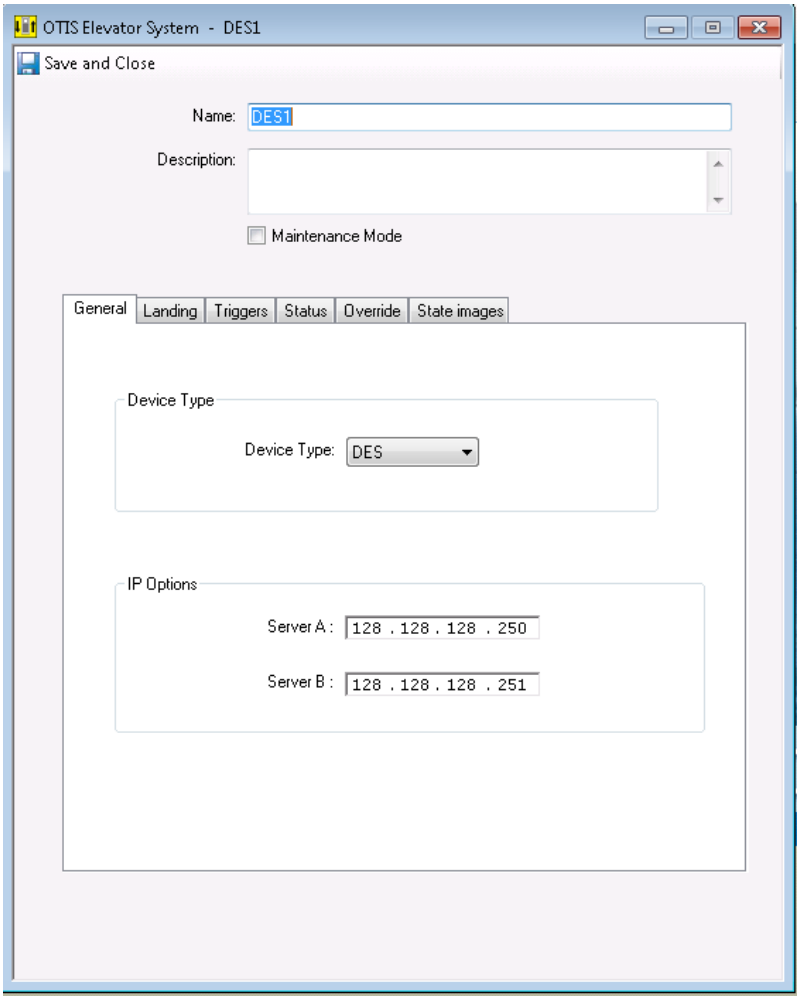
Destination Entry Redirector (DER)

An OTIS DER is a Destination Entry Redirector, an optional server type, whose function is to support building-wide DEC devices. The DER connects to all elevator groups and allows DEC's at a common entry point in the building, for example in a Lobby, to accept destination requests for any floor in the building.

For more information, see the following:

- Accessing the OTIS Elevator System Editor Dialog Box on Page 25
- OTIS Elevator System Editor Dialog Box Definitions on Page 27
- OTIS Elevator System Editor Tasks on Page 28
- OTIS Elevator System Editor Tabs on Page 28

Figure 5: OTIS Elevator System Editor Dialog Box



OTIS Elevator System Editor Dialog Box Definitions

Table 3 on Page 27 describes the OTIS Elevator System Editor dialog box fields and buttons.

Table 3: OTIS Elevator System Editor Dialog Box Definitions

Field/Button	Description
Name	A unique name identifying the OTIS elevator system. • The name is not case-sensitive • Minimum number of characters: 1 • Maximum number of characters: 100
Description	Optional. A description for the OTIS elevator system. • The description is not case-sensitive. • Minimum number of characters: None • Maximum number of characters: 500

Table 3: OTIS Elevator System Editor Dialog Box Definitions (continued)

Field/Button	Description
Save and Close	Saves the configuration and closes the dialog box.
General Tab	
Device Type	Choose either DER or DES from the drop-down list.
TCP/IP Options	
For Device Type-DES	Set the unique **Server A** IP Address. **Server B** IP address will update accordingly by using the same subnet third address as you chose for the Primary IP Address.
For Device Type-DER	Set the unique Server A IP Address.

OTIS Elevator System Editor Tabs

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

- Landing Tab on Page 31
- Triggers Tab on Page 32
- Status Tab on Page 35
- Override Tab on Page 37
- State Images Tab on Page 39

OTIS Elevator System Editor Tasks

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

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

- Creating an OTIS Elevator System on Page 28
- Creating an OTIS Elevator System Template on Page 29
- Editing an OTIS Elevator System on Page 29
- Viewing OTIS Elevator System Configurations on Page 30
- Deleting an OTIS Elevator System on Page 30

Creating an OTIS Elevator System

To Create an OTIS Elevator System

1. Open the C•CURE 9000 Administration Station.
2. Click the **Hardware** pane.

3. Click the drop-down menu located under Hardware and select **Hardware Folder**.
4. Right-click the folder you created in the Hardware tree and select **OTIS Elevator System>New**.

   (Alternately, you can create a new folder by clicking on **New** located next to the Hardware drop-down menu.)

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

   The OTIS Elevator System Editor opens. See OTIS Elevator System Editor Dialog Box on Page 26

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 the **General** tab and perform the following:
   a. Enter the IP address of the primary OTIS Group Controller in the **Server A** field.
   b. Enter the IP address of the backup OTIS Group Controller in the **Server B** field.
8. Click **Save and Close**.

   The Elevator System is listed under the OTIS Elevator System folder in the Hardware tree.

9. Go to OTIS Default Landing Matrix Dialog Box on Page 56 to configure the default landing matrix.

Creating an OTIS 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 the **Hardware** pane.
2. Click the drop-down menu located under Hardware and select **Hardware Folder**.
3. Right-click the OTIS Elevator System folder in the Hardware tree and select **OTIS Elevator System>New Template**.
4. Enter the information for the OTIS Elevator System template.
5. Click **Save and Close**.

   The new template is listed under **OTIS Elevator System>*Templates***.

Editing an OTIS Elevator System

To Edit an OTIS Elevator System

1. Double-click the Elevator System under the OTIS Elevator System folder in the Hardware tree to open the OTIS Elevator System dialog box.

   (Alternately, you can right-click the Elevator System and select **Edit** from the context menu.)

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

Viewing OTIS Elevator System Configurations

To View OTIS Elevator System Configurations

1. Select **OTIS Elevator System** from the **Hardware** drop-down menu.
2. Click the green right arrow  to open a Dynamic View displaying all OTIS Elevator System Configurations.

The OTIS Elevator System tab opens in the Dynamic View displaying a list of OTIS Elevator System configurations

Deleting an OTIS Elevator System

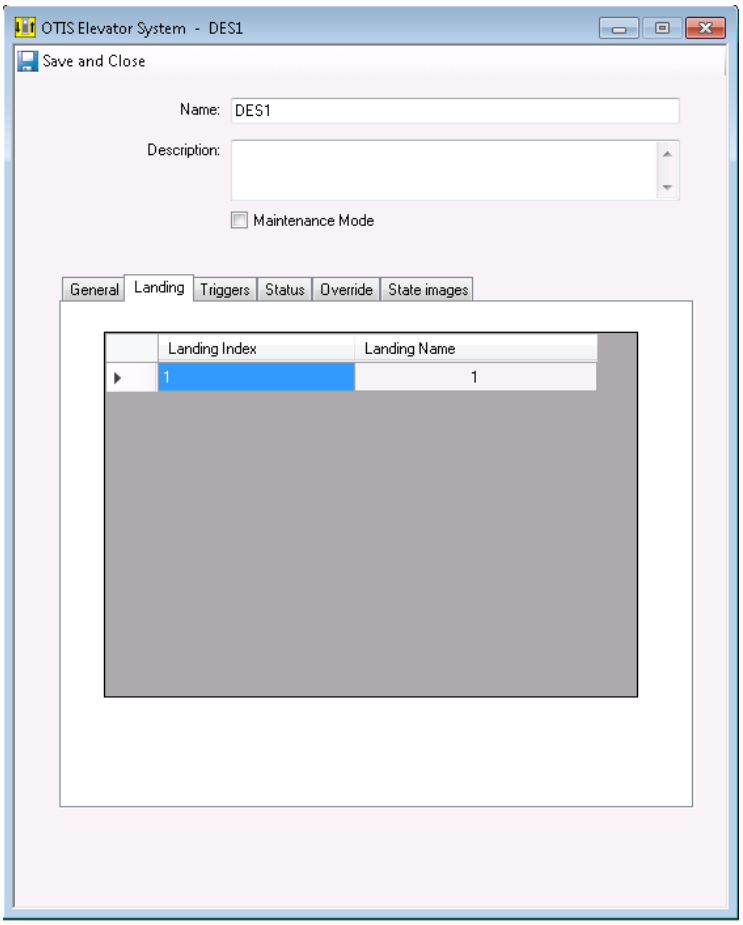
To Delete an OTIS Elevator System

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

Landing Tab

The Landing tab, shown in Figure 6 on Page 31, lists the configured Landings (floors) for the elevator group. This tab is read-only.

Figure 6: OTIS Elevator System Editor – Landing Tab



Triggers Tab

The Triggers tab, shown in Figure 7 on Page 32, is used to configure triggers to activate events.

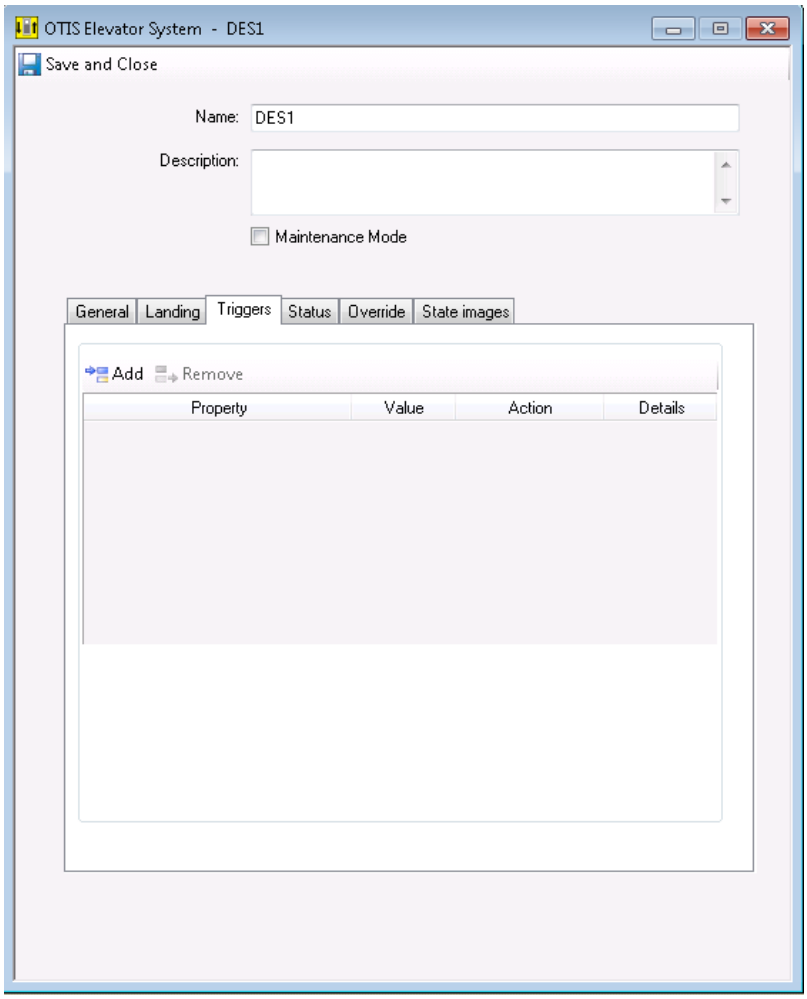
Triggers are used by C•CURE 9000 to activate specific actions when a particular predefined condition occurs. Once the Elevator status matches one of these values, the linked Activate Event action is triggered and the user-specified event is set to an active state (if allowed by the event, which should 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.

For more information, see the following:

- Triggers Tab Definitions on Page 33
- Triggers Tab Tasks on Page 33

Figure 7: OTIS Elevator System Editor – Triggers Tab



Triggers Tab Definitions

The OTIS Elevator System Editor – Triggers tab fields and buttons are described in Table 4 on Page 33

Table 4: OTIS 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.
Property	Click in the Property column, and then click ... . The Property browser opens presenting properties available for the OTIS Elevators System. • BackupCommunicationStatus- The current Communications Status of Server B Controller • CommunicationStatus - The current Communications Status of Server A Controller Click the Property to select it and add it to the column.
Value	Selections are Online and Offline.
Action	Click 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 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 33
- Deleting Triggers and Events on Page 34

Selecting Triggers to Activate Events

To Select Triggers to Activate Events

1. Click the **Triggers** tab.
2. Click the **Add** button.
3. Click in the blank row under **Property**, and then click the selection button ... to open the OTIS Elevator System dialog box.
4. Click **BackupCommunicationStatus** (for Server B) or **CommunicationStatus** (for Server A) to select it.
5. Click in the blank field under **Value**.
6. Click the drop-down menu and select **Offline** or **Online**.
7. Click the drop-down menu under **Action** and select **Activate Event**.

   The Event field appears at the bottom of the dialog box.

8. Click the selection button  .
9. Click 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 the row selector button  to select the row.
2. Click the **Remove** button.

Status Tab

The Status tab, shown in Figure 8 on Page 35, provides read-only information about the operational status of Server A (primary server) and Server B (backup server) used by the OTIS Elevator system.

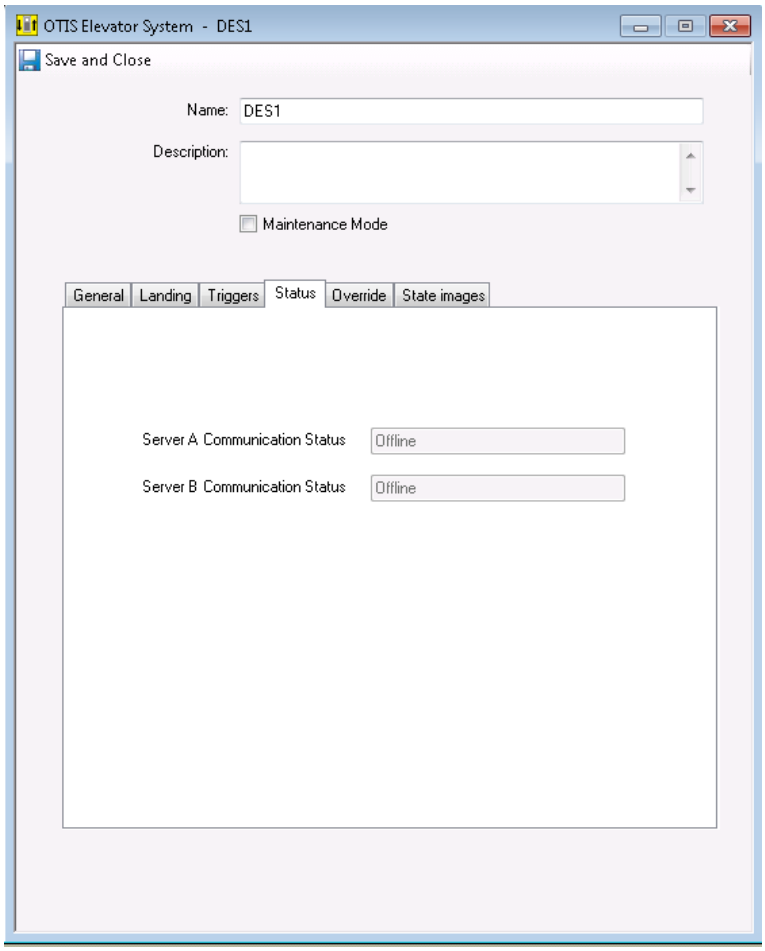
Supported values are:

- Online
- Offline
- Unknown

For more information, see the following:

- Status Tab Descriptions on Page 35

Figure 8: OTIS Elevator System Editor – Status Tab



Status Tab Descriptions

The OTIS Elevator System Editor–Status tab fields are described in Table 5 on Page 36.

Table 5: Status Tab Definitions

Field/Button	Description
Server A Communication Status	Value (Status): • **Online**: The OTIS Elevator System is configured and communicating with the primary OTIS server (Server A). • **Offline**: The OTIS Elevator System is configured, but not communicating with the primary OTIS server (Server A). • **Unknown**: The status cannot be determined, usually displayed after the initial OTIS Elevator System configuration while waiting for the primary OTIS server (Server A) to update the status .
Server B Communication Status	Value (Status): • **Online**: The OTIS Elevator System is configured and communicating with the secondary OTIS server (Server B). • **Offline**: The OTIS Elevator System is configured, but not communicating with the secondary OTIS server (Server B). • **Unknown**: The status cannot be determined, usually displayed after the initial OTIS Elevator System configuration while waiting for the secondary OTIS server (Server B) to update the status.

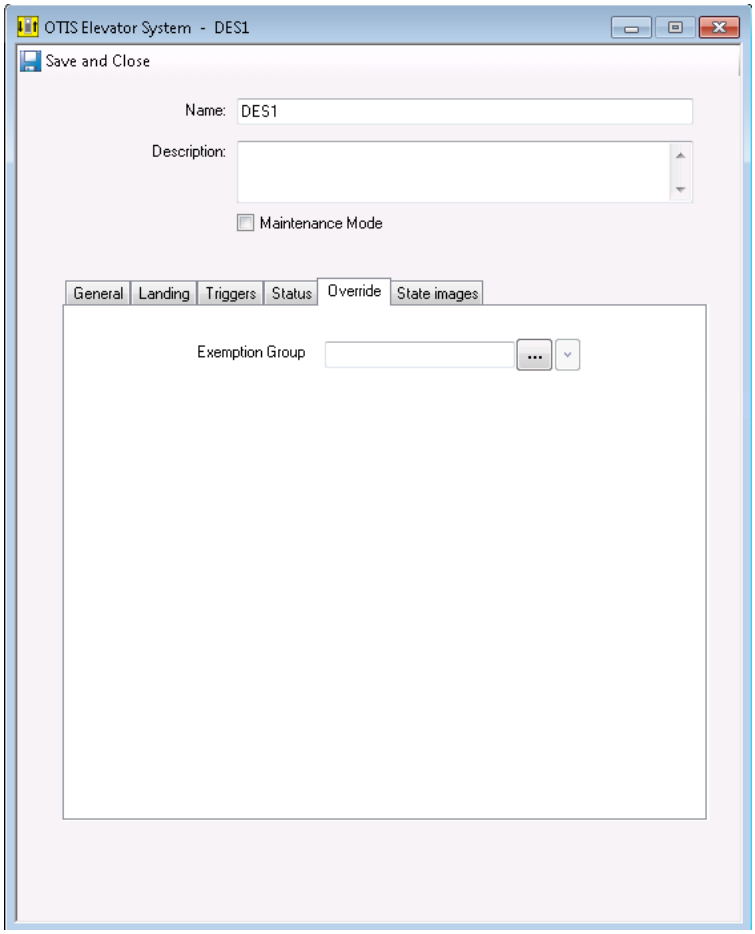
Override Tab

The Override tab, shown in Figure 9 on Page 37, is used to select a pre-configured personnel group that will be exempt from the manual secure landing action. The selected exempt personnel group 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 Definition on Page 37
- Selecting an Exempt Personnel Group on Page 38

Figure 9: OTIS Elevator System Editor - Override Tab



Override Tab Definition

Table 6 on Page 37 describes the Override tab field.

Table 6: OTIS Elevator System Override Tab Dialog Box Definitions

Field	Description
Exemption Group	Click 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

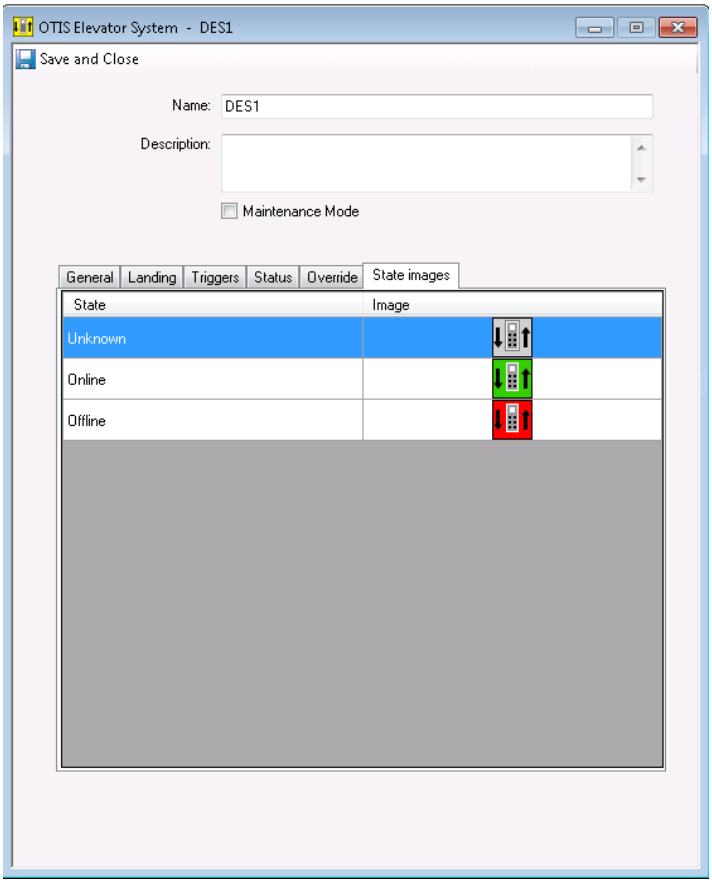
1. Click the **Override** tab.
2. Click the selection button  locate to the right of **Exemption Group**. The Group selection box opens.
3. Click in the row below the **Name** column.
4. Click the drop-down arrow to select the exempt personnel group.
5. Click **Save and Close** to save the configuration.

State Images Tab

The State Images tab, shown in Figure 10 on Page 39 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 or return back to the default images, as described in this section.

See State Images Tab Tasks on Page 67 for information about changing the state images.

Figure 10: OTIS Elevator System Editor – State Images Tab



State Images Tab Tasks

The following tasks are performed in the State Images tab:

- Replace a State Image on Page 39
- Restore the Default State Image on Page 40

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 the image in the State Images tab and select **Restore Default**.

3

Installation

This chapter explains how to install the OTIS Elevator System Integration. It also explains how to uninstall OTIS Elevator System Integration.

In this chapter

Installation Overview 42
Before You Begin 43
Installation 44
Licensing 49
Starting the Server Services 50
OTIS Configuration File 51
Uninstall 53

Installation Overview

The C•CURE 9000 software must be installed before the OTIS 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 OTIS 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 C•CURE 9000 server computer. The OTIS 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 OTIS Elevator Integration requirements.

The installation wizard prompts you to install the OTIS 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 7 on Page 42 provides an overview of the steps to install and register the OTIS Elevator System on each computer in your C•CURE 9000 security system.

Table 7: 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 43
3. Install the OTIS Elevator System Integration software.	Installation on Page 44
4. If you did not select to start the C•CURE 9000 services during the installation, start the C•CURE 9000 services and the OTIS Elevator Driver Service.	Installation on Page 44
5. Verify that a license exists for the OTIS Elevator System.	Licensing on Page 49

Table 8 on Page 42 provides the installation information on a MAS (Master Application Server) and SAS (Satellite Application Server) environment.

Table 8: Installation on a MAS/SAS

Installation on a	Installs...
MAS (Master Application Server)	Nothing is installed. Installation on a MAS is not supported.
MAS remote client and any other client systems	• Only the OTIS Elevator System client objects are installed. • No server or database objects are installed.
SAS (Satellite Application Server)	All OTIS Elevator System components and the database are installed.
SAS remote client and any other client system	• Only the OTIS 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 OTIS Elevator System 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
  - One NIC to communicate with the Access Control System
  - One NIC to communicate with the OTIS Elevator system.

Installation

To Install the OTIS Elevator Integration

1. Log into the Server or Client with Administration privileges.
2. Map to a shared drive over the network.
3. Go to http://www.swhouse.com/Support/Default.aspx.
4. Click **Software Downloads**.
5. Click **"Software House Connected"**.
6. Scroll down to **Otis Elevator**.
7. Download the OTIS Integration software to a folder on the shared drive.

Running the Setup Program

To Run the Installation Program

NOTE

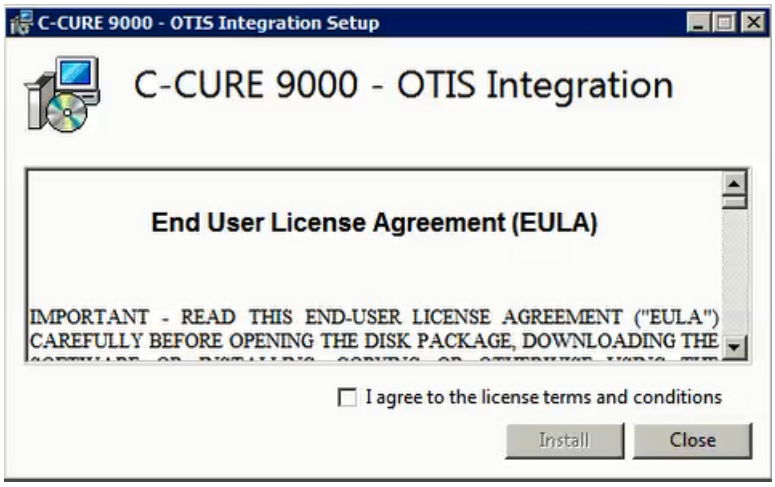
Before installing the OTIS Elevator Integration, follow the below steps:

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. Navigate to the folder where you downloaded the OTIS integration software.
2. Extract the OTIS integration files from the zip file you downloaded to a directory.
3. Click **Release** folder
4. Right-click `OTIS_Integration.exe` and select **Run as Administrator**.

   The OTIS Integration Setup dialog box, shown in Figure 11 on Page 45, opens.

Figure 11: OTIS Integration Setup Dialog Box

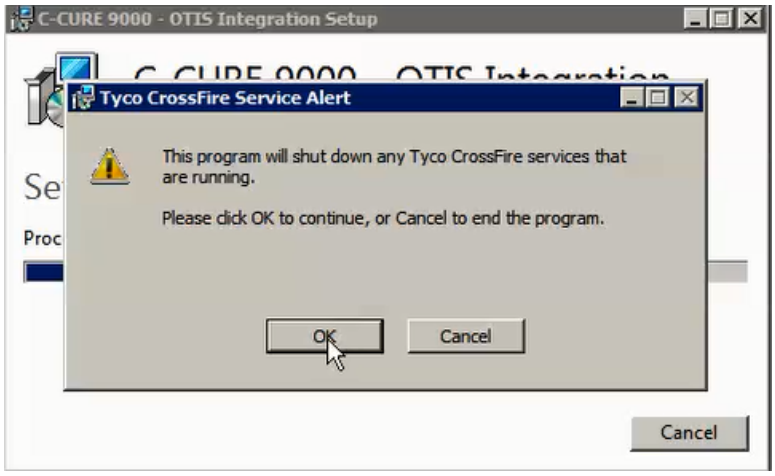


5. Click the **I accept the terms in the license agreement** check box, and then click **Install**

   The **Tyco CrossFire Service Alert** dialog box, shown in Figure 12 on Page 45, appears if you are installing the OTIS Elevator System Integration on a C•CURE 9000 server and the CrossFire service is running.

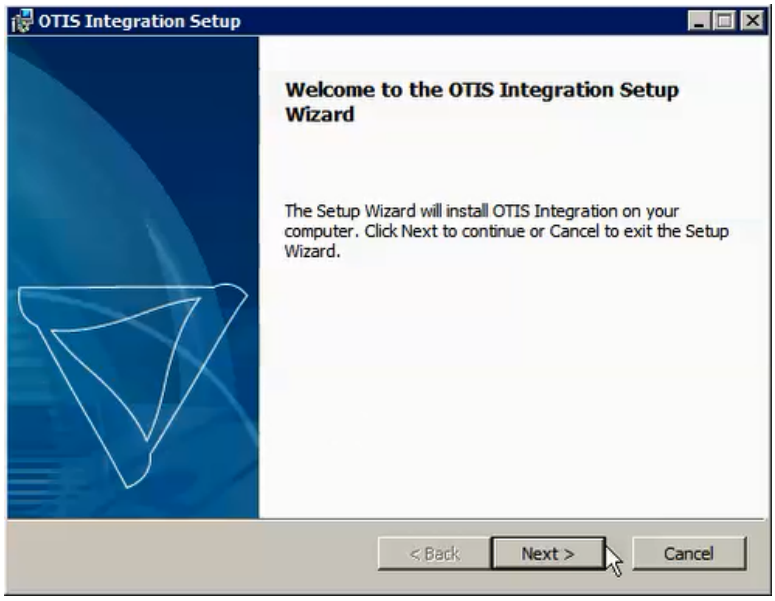
   When the CrossFire services are stopped the Tyco CrossFire Service Alert dialog box does not appear.

Figure 12: Preparing to Install Dialog Box



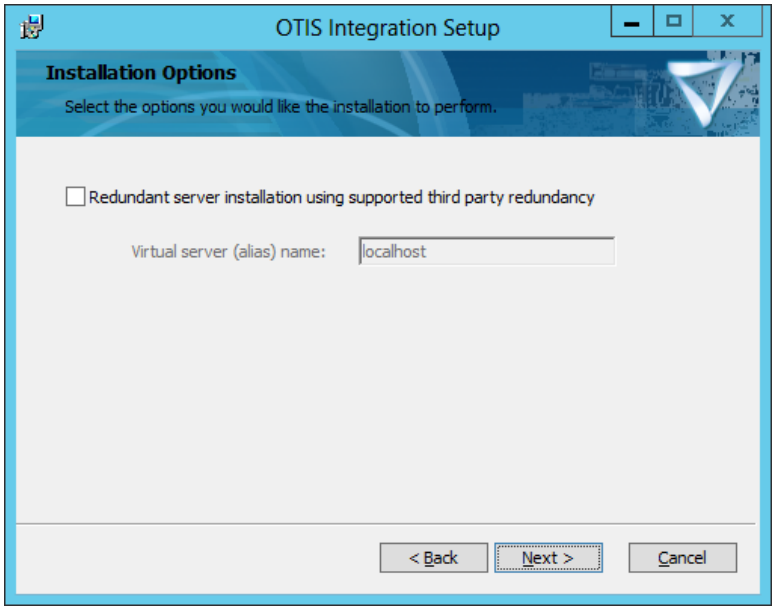
6. Click **OK** to continue with the installation.
   The OTIS Integration Setup Wizard, shown in Figure 13 on Page 46 appears.

Figure 13: OTIS Integration Setup Wizard



7. Click **Next** to select the Installation Options, shown in Figure 14 on Page 46.
8. If you are installing the driver in a redundancy environment, then select the **Redundant server installation using supported third party redundancy** option and the enter the **Virtual server (alias) name** of the Redundant Environment.

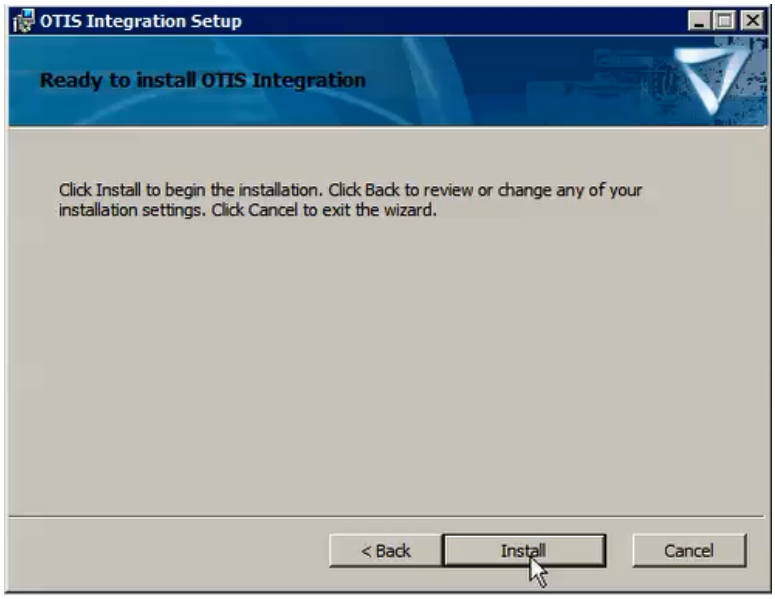
Figure 14: Installation Options



9. Click **Next**.

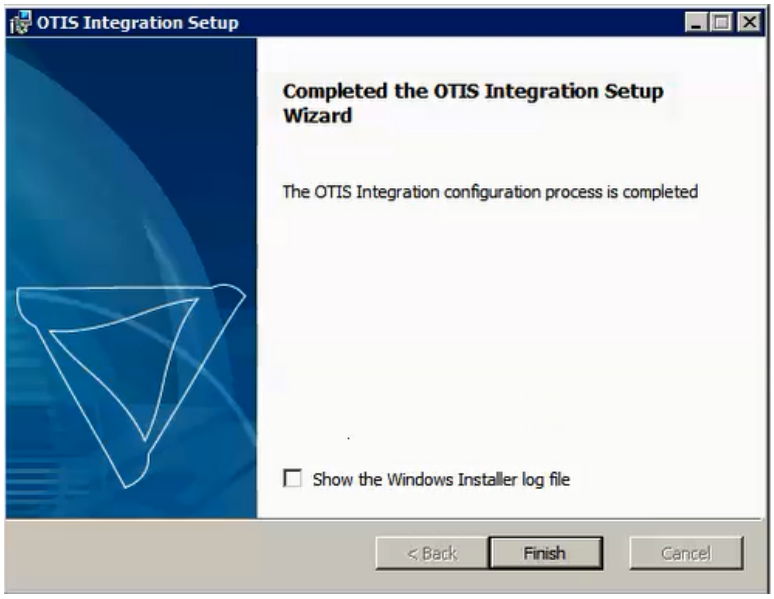
   The Ready to Install OTIS Integration dialog box, shown in Figure 15 on Page 47, appears.

Figure 15: Database Server Dialog Box



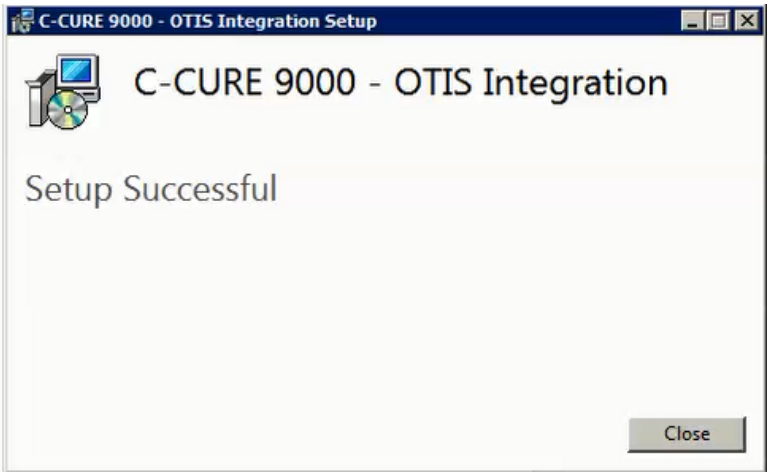
10. Click **Install** to start the installation or click **Back** to change the installation settings. Once installation is completed, Completed the OTIS Integration Setup Wizard, shown in Figure 16 on Page 47, appears. This operation may take a few minutes.

Figure 16: Completed the OTIS Integration Setup Wizard



11. Click **Finish** to exit the Setup Wizard.
    The Setup Successful dialog box, as shown in Figure 17 on Page 48, opens.

Figure 17: Setup Successful dialog box



12. Click **Close** to exit the OTIS Installation.

NOTE

If you did not select the installation option to provide the virtual server (alias) name, or provided the wrong alias name, for the redundancy environment:

1. Open the **OTISElevatorDriverService.exe.config** file located in .../Tyco/CrossFire/ServerComponents.
2. Under the client section in the file, change '**localhost**' to the alias name of the redundant environment for all the endpoint names except for the endpoint name="TraceViewerURI".”

Licensing

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

To Verify that you have an OTIS License

1. Double-click 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 the **Options** tab.
3. Scroll down the list to verify that **Otis Elevator Destination Dispatching System** is listed.

Starting the Server Services

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

To Start the Server Services

1. From the Start Menu, select **Start>All Programs>Tyco>C•CURE 9000>Server Configuration**. The Server Configuration Application opens.
2. Click the **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**.

   Wait until the CrossFire Framework Service and CrossFire Server Component Service display a status of “Running”.
5. If the Status is displayed as “Stopped” for the OTIS Driver Service under Extension Services, click in the **Enabled** check box and then click **Start**.

   When the status of the OTIS Driver Service changes to Running you can use the OTIS Elevator System Integration software.

NOTE When the OTIS Driver Service is stopped manually, it is recommended to start the service again after a minimum of 2 minutes duration is elapsed.

OTIS Configuration File

The OTIS configuration file is located at `Tyco/CrossFire/ServerComponents`. This section describes the values that you can change in the OTIS configuration file:

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.

SSIpAddress – This is the local IP Address of Security System (SS).

MulticastIpAddress - This is the Multicast Group IP address.

SSReceiveUnicastPortNumber4mDES – This is the port number of SS at which SS receives Unicast messages from DES. The default port number is 45303.

SSSendUnicastPortNumber2DES - This is the port number of DES at which SS sends Unicast messages to DES. The default port number is 46303.

SSReceiveMulticastPortNumber4mDES - This is the port number of SS at which SS receives Multicast message from DES for the V2 protocol. The default port number is 47307.

DESMulticastPortNumber - This is the port number of DES at which SS sends Multicast messages to DES for the V2 protocol. The default port number is 48307.

SSReceiveMulticastPortNumber4mDESV1 - This is the port number of SS at which SS receives Multicast messages from DES for the V1 protocol. The default port number is 45307.

DESMulticastPortNumberV1 - This is the port number of DES at which SS sends Multicast messages to DES for V1 protocol. The default port number is 46307.

SSReceiveUnicastPortNumber4mDEC - This is the port number of SS at which SS receives Unicast messages from DEC. The default port number is 46308.

SSSendUnicastPortNumber2DEC - This is the port number of DES at which SS sends Unicast message to DEC. The default port number is 45308.

SSReceiveUnicastHeartbeatPortNumber4mDES - This is the port number of SS at which SS receives Unicast Heartbeat message from DES for ICD versions 2.2/3.1. The default Port number is 53307.

DESUnicastHeartbeatPortNumber - This is the port number of DES at which SS sends Unicast Heartbeat message to DES for ICD versions 2.2/3.1 . The default Port number is 54307.

RetryTimeOutMilliseconds - Use this variable to specify the duration between the retries. The default value is 1000 milliseconds.

NumberOfRetries - Use this variable to specify the number of times a message must be retried. The default value is 3.

ESHeartbeatIntervalinMiliseconds – Use this variable to define the regular intervals, in milliseconds, to send a HeartBeat. The default value is 1000 milliseconds.

HBOfflineChkRetryInterval - Use this configuration to specify the duration that is used for setting the communication status of the elevator server. It must be less than the 'HeartBeatTimeOut' configuration value. The default value is 2000 milliseconds.

HeartBeatTimeOut - Use this configuration to specify the timeout value for the Heartbeat, which would be compared with the last successful Hearbeat received time from Elevator server to driver, to set the communication status of the elevator server. The default value is 5000 milliseconds.

TTL - Use this variable to specify the time to live value for Heartbeat. The default value is 5.

Uninstall

This section describes how to uninstall the OTIS Elevator System integration 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.

To Uninstall the OTIS 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
   - OTIS Driver Service
3. Close the C•CURE 9000 Server Configuration Application.
4. Open the Windows **Control Panel**.
5. Select **Programs and Features**.
6. Right-click **C•CURE 9000 - OTIS Elevator Integration** and select **Uninstall**.

   The C•CURE 9000 OTIS Integration Setup Wizard dialog box opens.
7. Click **Next**. The OTIS Integration Setup dialog box opens. This setup wizard allows you to remove the OTIS Integration.
8. Click **Next**. Ready to remove OTIS Integration dialog box appears.
9. Click **Remove** to remove OTIS Integration.
10. (Optional) Click in the **Drop the OTIS Integration database tables** check box to remove the OTIS tables from the database. **Completed the OTIS Integration Setup Wizard** appears.
11. Click **Finish**. Setup Successful dialog box appears.
12. Click **Close** to complete the uninstallation process.

4

OTIS Default Landing Matrix Configuration

This chapter describes how to configure a default landing using the OTIS Default Landing Matrix dialog box.

In this chapter

Accessing the OTIS Default Landing Matrix Dialog Box 55
OTIS Default Landing Matrix Dialog Box 56

Accessing the OTIS Default Landing Matrix Dialog Box

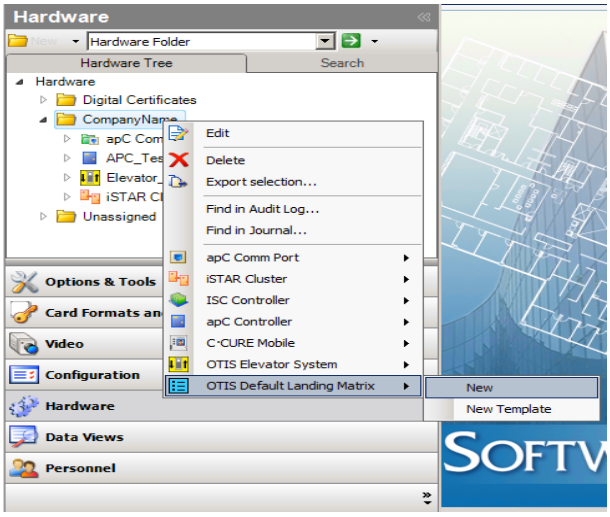
This section describes how to access the OTIS Default Landing Matrix dialog box.

To Access the Dialog Box

1. Open the C•CURE 9000 Administration Station.
2. Click the **Hardware** Pane.
3. Click the Hardware drop-down menu and select **Hardware Folder**.
4. Right-click the OTIS Elevator System folder and select **OTIS Default Landing Matrix>New**, as shown in Figure 18 on Page 55.

   (Alternately, you can right-click the **OTIS Default Landing Matrix** icon and select **New**.)

Figure 18: Access the OTIS Default Landing Matrix Dialog Box



The OTIS Default Landing Matrix dialog box, as shown in Figure 19 on Page 56, opens.

OTIS Default Landing Matrix Dialog Box

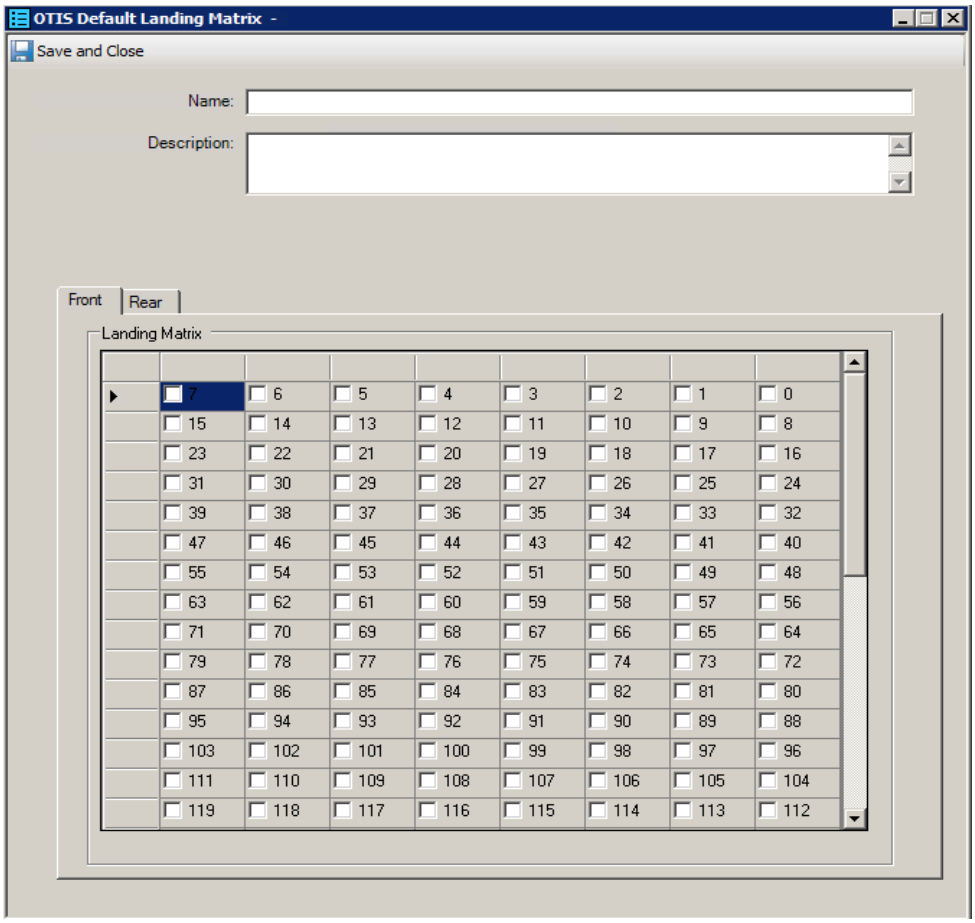
Landing Matrix is a collection of landing (floors) that an OTIS elevator system supports. OTIS has two types of Landing Matrices. Default Landing Matrix and Clearance Default Landing Matrix. The OTIS Default Landing Matrix dialog box, shown in Figure 19 on Page 56, is used to configure a common access Landing Matrix with no personnel clearances.

NOTE You must create a landing in C•CURE, in-order to dispatch the Landing matrix.

For more information, see the following:

- Accessing the OTIS Default Landing Matrix Dialog Box on Page 55
- OTIS Default Landing Matrix Dialog Box Definitions on Page 56
- OTIS Default Landing Matrix Tasks on Page 57

Figure 19: OTIS Default Landing Matrix Dialog Box



OTIS Default Landing Matrix Dialog Box Definitions

The OTIS Default Landing Matrix dialog box fields and buttons are described in Table 9 on Page 57.

Table 9: OTIS 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.
Front	
Landing Matrix	Select the front doors of the floors to be included in the configuration. • Checked indicates selected. • Unchecked indicates not selected. Valid range is between -127 to 127
Rear	
Landing Matrix	Select the rear doors of the floors to be included in the configuration. • Checked indicates selected. • Unchecked indicates not selected. Valid range is between -127 to 127.

NOTE **For ICD Version V1.0, Rear floor selection is not supported.**

OTIS Default Landing Matrix Tasks

This section describes the following tasks.

- Creating a Default Landing Matrix on Page 57
- Editing a Default Landing Matrix Configuration on Page 58
- Viewing Default Landing Matrix Configurations on Page 58
- Creating a Default Landing Matrix Template on Page 58
- Deleting a Default Landing Matrix Configuration on Page 59

Creating a Default Landing Matrix

To Create a Default Landing Matrix

1. Right-click the OTIS Elevator System folder in the Hardware tree and select **OTIS Default Landing Matrix>New**.

(Alternately, you can select **OTIS Default Landing Matrix** from the Hardware drop-down menu, and then click 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. For front door, use the Front tab. Similarly for the rear door, use the Rear tab.
5. Click **Save and Close** when done.

The default landing matrix is listed under **OTIS Default Landing Matrix** in the tree under the OTIS Elevator System folder.

Editing a Default Landing Matrix Configuration

To Edit a Default Landing Matrix Configuration

1. Click the arrow located to the left of the OTIS Elevator System folder.
2. Click the arrow located to the left of **OTIS Default Landing Matrix** icon.
3. Right-click the default landing matrix that you want to edit and select **Edit** from the context menu.

   (Alternately, you can double-click the **OTIS Default Landing Matrix** icon to open a Dynamic View displaying OTIS Default Landing Matrix configurations. Then, either double-click the default landing matrix or right-click the default landing matrix that you want to edit to open the OTIS default Landing Matrix dialog box.)

   The OTIS 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 the **OTIS Default Landing Matrix** icon under the OTIS Elevator System folder.

   Default Landing Matrix configurations are displayed in the OTIS Default Landing Matrix tab in the Dynamic View.

Creating a Default Landing Matrix Template

To Create a Default Landing Template

1. Right-click the OTIS Elevator System folder and select **OTIS Default Landing Matrix>New Template**.

   (Alternately, you can right-click the **OTIS 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. For front door, use the Front tab. Similarly for the rear door, use the Rear tab.

5. Click **Save and Close** when done.

   The new template is listed under **OTIS Default Landing Matrix>*Templates***.

Deleting a Default Landing Matrix Configuration

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

To Delete a Default Landing Matrix Configuration

1. Click the arrow located to the left of the OTIS Elevator System folder.
2. Click the arrow located to the left of the **OTIS Default Landing Matrix**.
3. Right-click the default landing matrix that you want to delete and select **Delete**.

   (Alternately, you can right-click a default landing matrix configuration in the Dynamic View and select **Delete**.)

   The Deleting OTIS 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.

5

OTIS Landing Configuration

This chapter describes how to configure a landing (floor) using the OTIS Landing dialog box.

In this chapter

Accessing the OTIS Landing Dialog Box 61
OTIS Landing Dialog Box 62
Landing Dialog Box - Override Tab 65
Landing Dialog Box - State Images Tab 66
OTIS Landing Manual Actions 68

Accessing the OTIS Landing Dialog Box

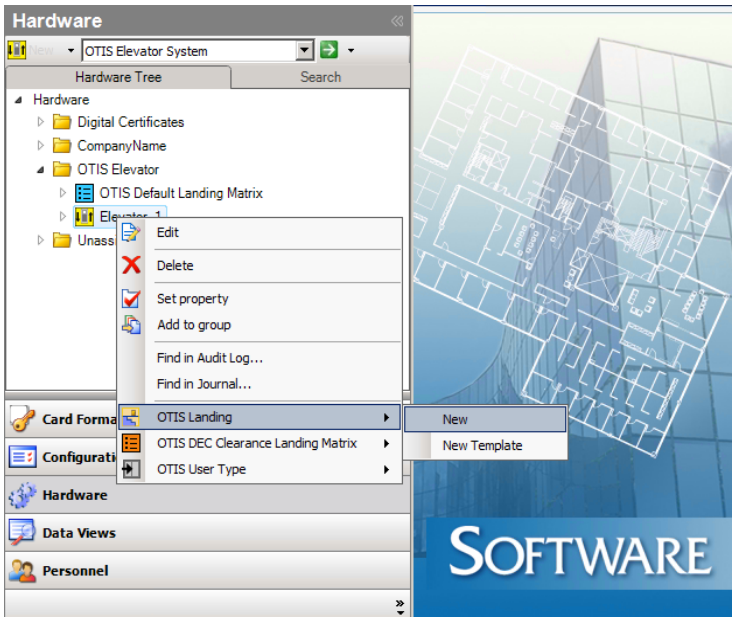
The OTIS Landing dialog box is used to identify a Landing index to be used by the Elevator System.

NOTE The OTIS Elevator System must be configured before you can access this dialog box. See OTIS Elevator System Editor Dialog BoxChapter 2, OTIS Elevator System Configuration for more information.

To Access the OTIS Landing Dialog Box

1. Right-click the elevator system icon under the OTIS Elevator System folder in the Hardware tree, and select **OTIS Landing>New**, as shown in Figure 20 on Page 61.

Figure 20: Access the OTIS Landing Dialog Box



The OTIS Landing dialog box, shown in Figure 21 on Page 62, opens.

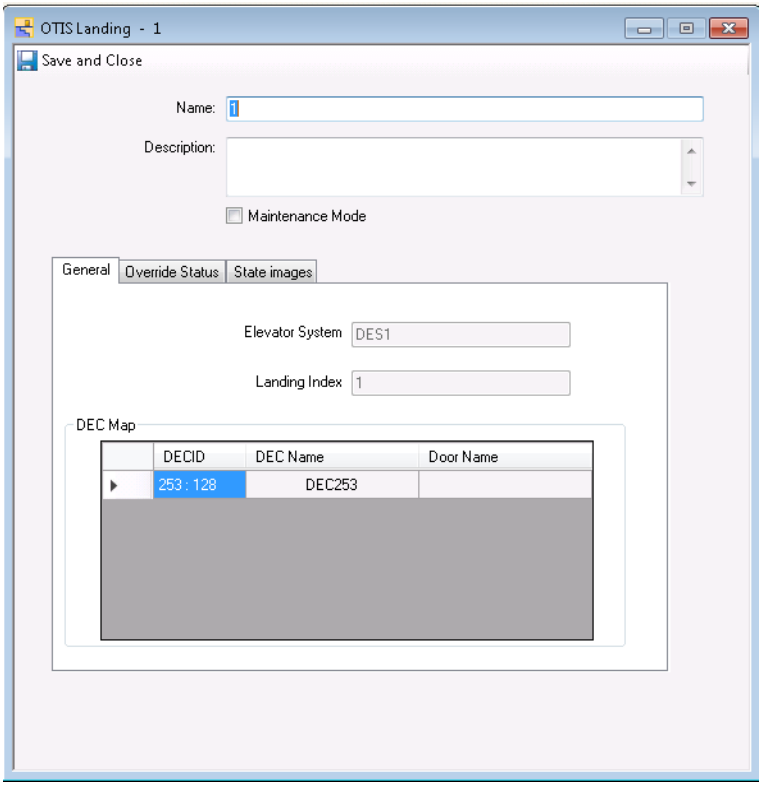
OTIS Landing Dialog Box

The OTIS Landing dialog box, shown in Figure 21 on Page 62, lets you create a landing (floor) to be used by the Elevator System.

For more information, see the following:

- Accessing the OTIS Landing Dialog Box on Page 61
- OTIS Landing Dialog Box Definitions on Page 62
- OTIS Landing Dialog Box Tasks on Page 63

Figure 21: OTIS Landing Dialog Box



OTIS Landing Dialog Box Definitions

Table 10 on Page 62 describes the OTIS Landing dialog box fields and buttons.

Table 10: OTIS 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 10: OTIS 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
Save and Close	Saves the configuration and closes the dialog box
General Tab	
Elevator System	The name of the OTIS Elevator System. This field is read-only.
Landing Index (Floor Number)	Landing index is the index associated with the Landing. The value is between -127 to 127.
DEC Map	NOTE: The following read-only information is not available until the DEC Configuration is complete. • DECID – The unique identifier for the DEC • DEC Name – The name of the configured DEC. • Door Name – The name of the assigned door.
Override Status Tab	
Override Status	Displays the override status of the floor object. This field is read-only. The three override statutes are: Secure, Unsecure, and Normal.

OTIS Landing Dialog Box Tasks

This section describes the following tasks:

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

Creating a Landing Configuration

To Create a Landing Configuration

1. Right-click the Elevator System in the tree and select **OTIS Landing>New**.
2. Enter a name for the landing in the **Name** field.
3. Enter a description (optional) in the **Description** field for the Landing Index.
4. Click **Save and Close**.
5. Go to OTIS DEC Clearance Landing Matrix Dialog Box on Page 74 to configure the clearance for the landing.

Editing a Landing Configuration

To Edit a Landing Configuration

1. Double-click the Landing configuration in the tree that you want to edit.

   (Alternately, you can right-click 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 **OTIS Landing** from the **Hardware** drop-down menu.
2. Click the green right arrow  to open a Dynamic View displaying all Landings.

The OTIS Landing tab opens in the Dynamic View displaying a list of OTIS Landing configurations.

Deleting a Landing Configuration

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

To Delete a Landing Configuration

1. Right-click the Landing configuration that you want to delete and select **Delete** from the context menu.

   (Alternately, you can select **OTIS Landing** from the **Hardware** drop-down menu and click the green right arrow  to open a Dynamic View displaying all Landings.)

   The Deleting OTIS Landing 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.

OTIS Landing Dialog Box Tabs

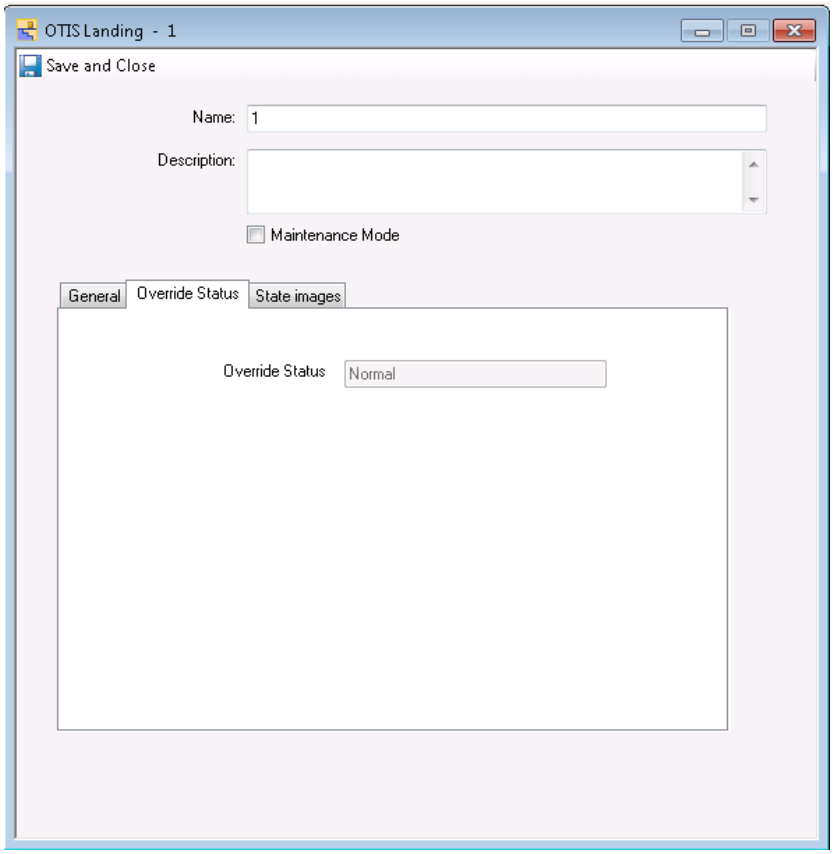
The following sections provide information about the OTIS Landing dialog box tabs:

- Landing Dialog Box - Override Tab on Page 65
- Landing Dialog Box - State Images Tab on Page 66

Landing Dialog Box - Override Tab

The Override tab, shown in Figure 22 on Page 65, 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 22: Landing Dialog Box - Override Tab



Landing Dialog Box - State Images Tab

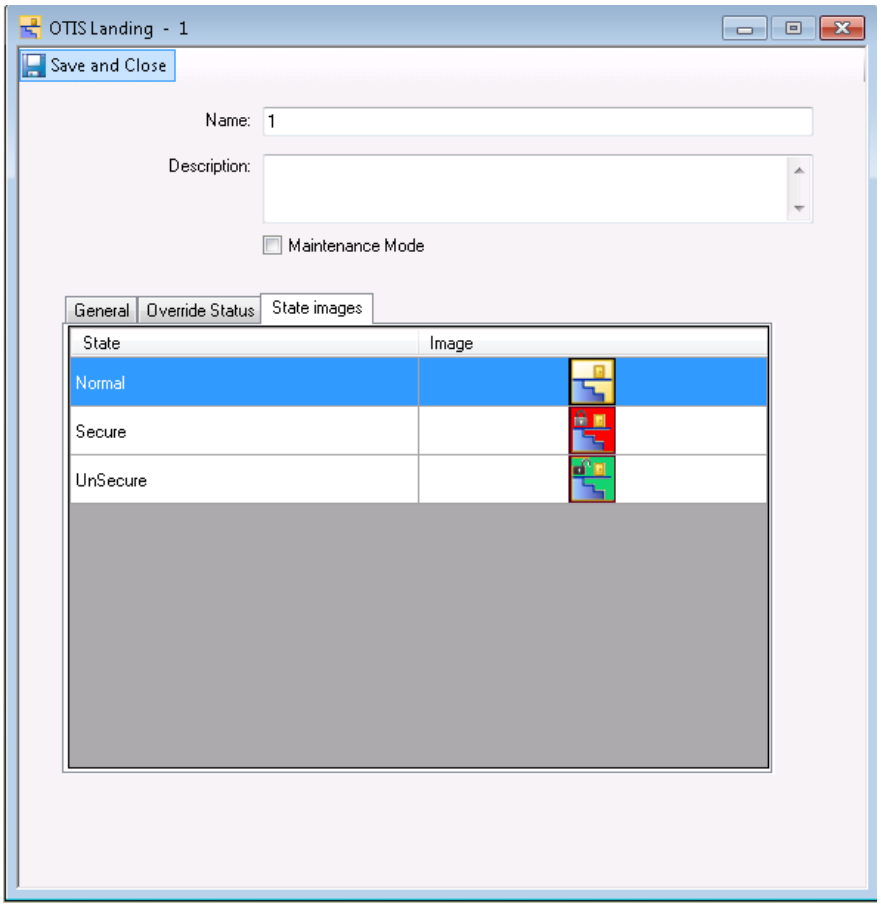
The State Images tab , shown in Figure 23 on Page 66 displays the current elevator system images that display in the Monitoring Station to represent the manual action activities concerning the elevator system. You can select other images to display for this elevator system and return back to the default images, as described in this section.

Table 11: OTIS Landing Dialog Box State Images Tab- Descriptions

State Image	Description
	Normal
	Secure
	Unsecure

For information about manual actions, see OTIS Landing Manual Actions on Page 68.

Figure 23: 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 67
- Restore the Default State Image on Page 67

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 the image in the State Images tab and select **Restore Default**.

OTIS 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.

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

For more information, see the following:

- Accessing OTIS Landing Manual Actions on Page 68
- Using Manual Actions to Secure a Landing on Page 69
- Using Manual Actions to Un-Secure a Landing on Page 70
- Canceling Manual Actions on Page 128

For information about configuring OTIS events and actions, see OTIS Events on Page 122.

Accessing OTIS Landing Manual Actions

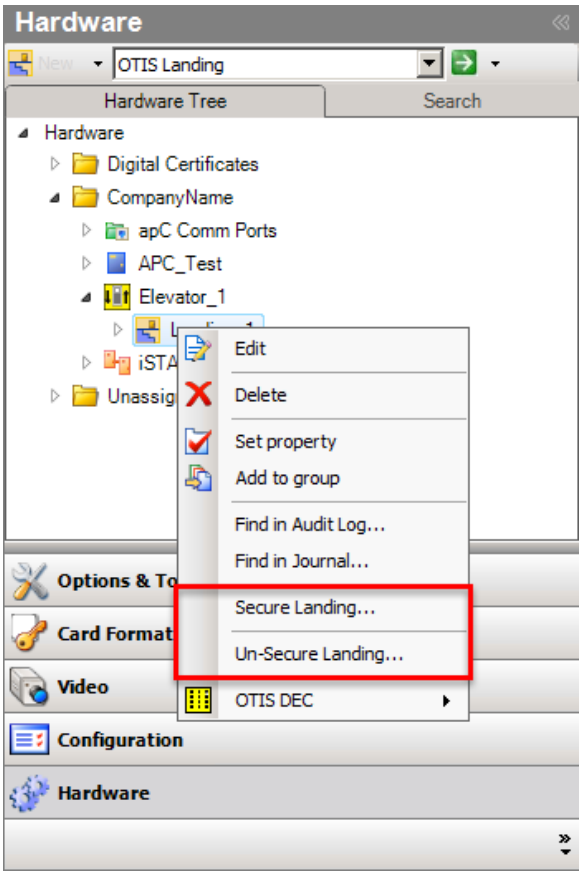
NOTE The Landing (OTIS Landing Dialog Box on Page 62) must be configured before you can secure or un-secure a landing.

To Access the OTIS Landing Manual Actions

1. Click the OTIS Elevator System folder in the Hardware tree.
2. Right-click the OTIS Landing that you want to perform the Manual Action.

   The Manual Action selections are **Secure Landing** and **Un-Secure Landing** as shown in Figure 24 on Page 69.

Figure 24: Accessing the OTIS Landing Manual Actions



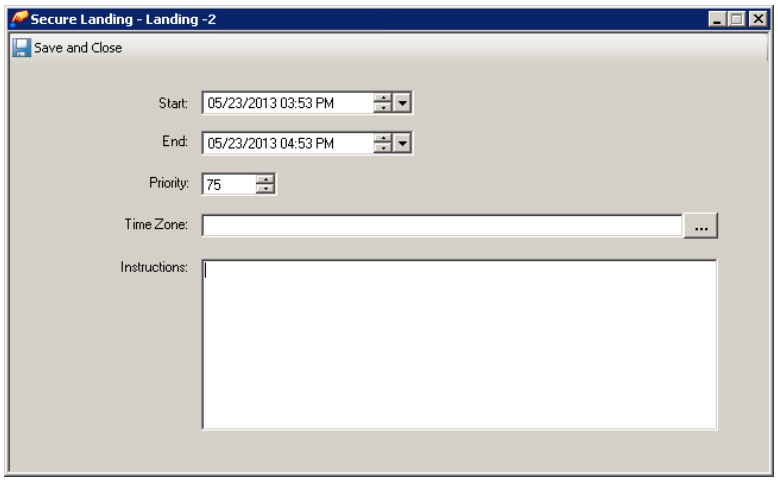
Using Manual Actions to Secure a Landing

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.

To Secure a Landing

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

Figure 25: OTIS 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.

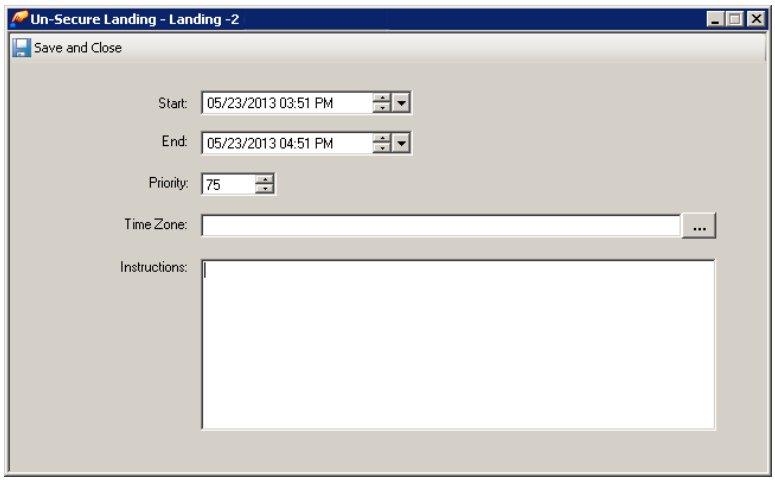
Using Manual Actions to Un-Secure a Landing

This action un-secures the Landing. Everyone will have access to the Landing during the date and time value set.

To Un-Secure a Landing

1. Right-click 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 26: OTIS 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/un-secure landing) is triggered and in between OTIS Elevator System integration restarts, the floor normal message is displayed first on the Monitoring station and then manual action (secure landing/un-secure landing) message is displayed.

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

6

OTIS DEC Clearance Landing Matrix Configuration

This chapter describes to configure clearances using the OTIS DEC Clearance Landing Matrix dialog box.

In this chapter

Accessing the OTIS DEC Clearance Landing Matrix Dialog Box 73
OTIS DEC Clearance Landing Matrix Dialog Box 74

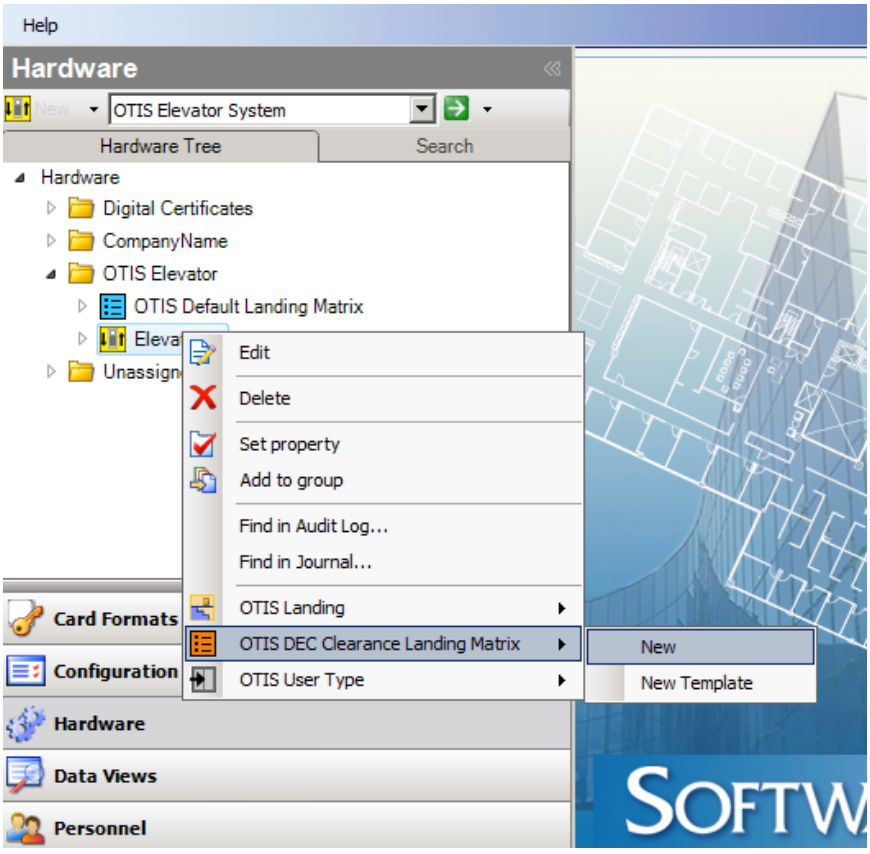
Accessing the OTIS DEC Clearance Landing Matrix Dialog Box

This section describes how to access the OTIS DEC Clearance Landing Matrix dialog box.

To Access the Dialog Box

1. Right-click the elevator system icon under the OTIS Elevator System folder and select **OTIS Clearance Landing Matrix>New**, as shown in Figure 27 on Page 73.

Figure 27: Access the OTIS DEC Clearance Landing Matrix Dialog Box



The OTIS Clearance Landing Matrix dialog box, as shown in Figure 28 on Page 74, opens.

OTIS DEC Clearance Landing Matrix Dialog Box

The OTIS DEC Clearance Landing Matrix dialog box, shown in Figure 28 on Page 74, is used to define up to 127 front and 127 rear doors that can be accessed by cardholders that have a clearance associated with the landing matrix. For ICD Version 1.0 the DEC Clearance Landing Matrix dialog box is shown in Figure 29 on Page 75.

For more information, see the following:

- Accessing the OTIS DEC Clearance Landing Matrix Dialog Box on Page 73
- OTIS DEC Clearance Landing Matrix Dialog Box Definitions on Page 75

Figure 28: OTIS DEC Clearance Landing Matrix Dialog Box

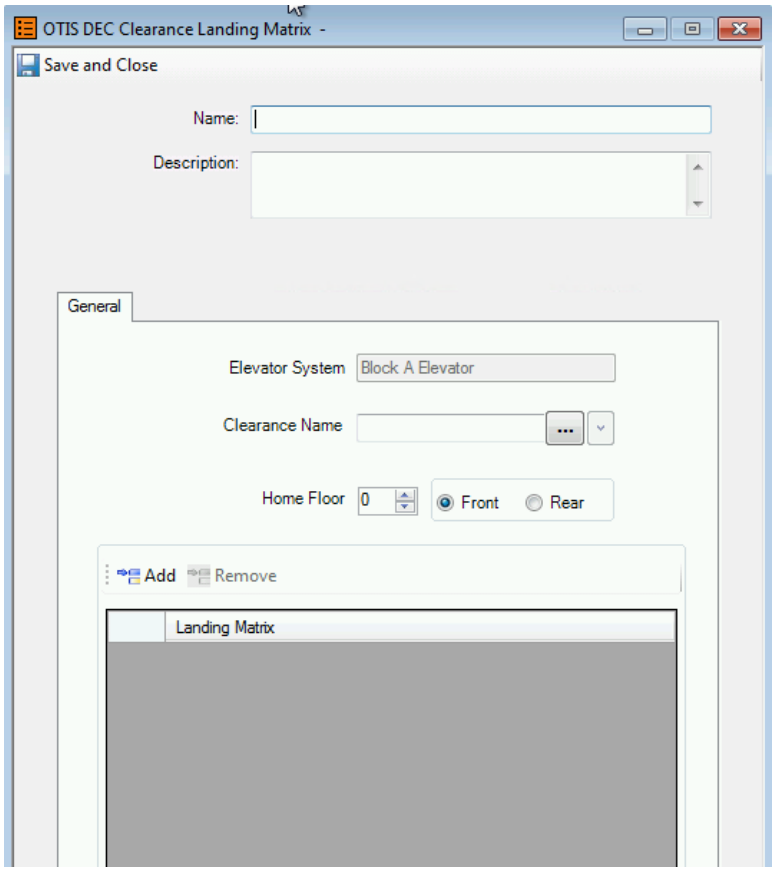
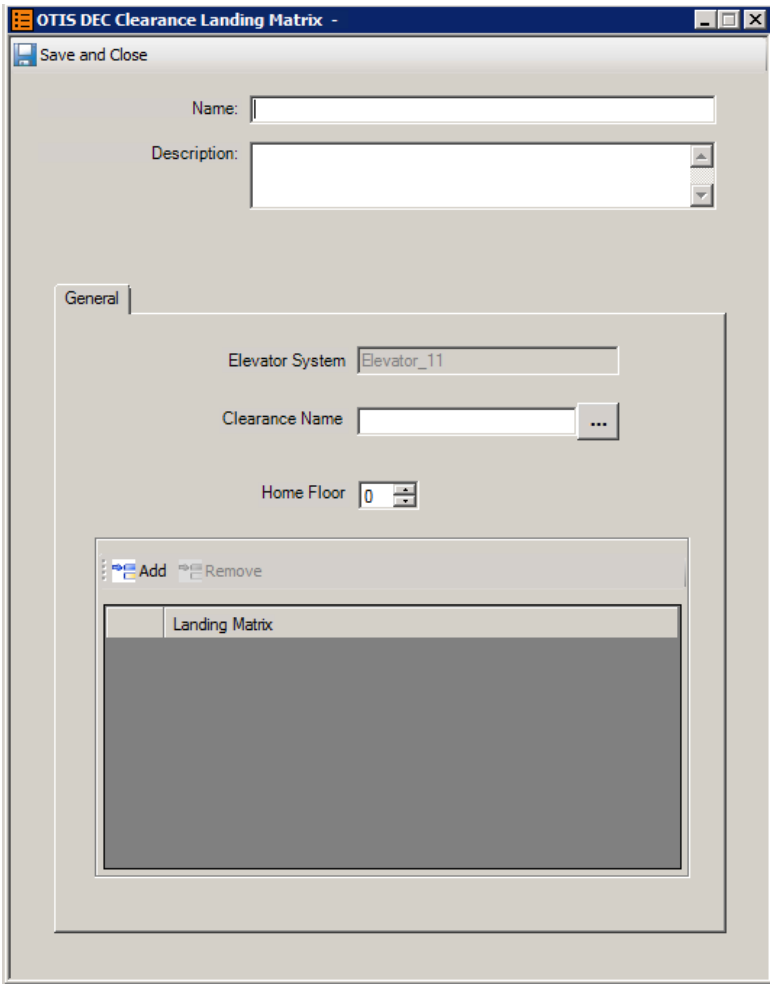


Figure 29: OTIS DEC Clearance Landing Matrix Dialog Box(For ICD Version 1.0)



OTIS DEC Clearance Landing Matrix Dialog Box Definitions

Table 12 on Page 75 describes the OTIS DEC Clearance Landing Matrix dialog box fields and buttons.

Table 12: OTIS DEC Clearance Landing Dialog Box Definitions

Field/Button	Description
Name	The name of the DEC 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 DEC Clearance Landing Matrix . • The description is not case-sensitive. • Minimum number of characters: None • Maximum number of characters: 500

Table 12: OTIS DEC Clearance Landing Dialog Box Definitions (continued)

Field/Button	Description
Save and Close	Saves the configuration and closes the dialog box.
General Tab	
Elevator System	The name of the OTIS 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. **Note:** This is a mandatory field. If you try to save the Clearance landing Matrix without mapping the Clearance, an error message displays.
Home Floor	Optional. The Home Floor is the default floor in OTIS and should be mapped to a clearance. You can select the Home Floor from -127 to 127. You must select either Front or Rear door. **Note:** Front and Rear door selections are not applicable for ICD Version v1.0. **Note:** This Home Floor should be selected in the landing matrix associated to Clearance Landing Matrix.
Landing Matrix	Allows selection of a pre-configured Default Landing Matrix.

OTIS DEC Clearance Landing Matrix Dialog Box Tasks

This section describes the following tasks:

- Creating a DEC Clearance Landing Matrix on Page 76
- Viewing DEC Clearance Landing Matrix Configurations on Page 77
- Deleting a DEC Clearance Landing Matrix Configuration on Page 78
- Creating a DEC Clearance Landing Matrix Template on Page 78

Creating a DEC Clearance Landing Matrix

To Create a DEC Clearance Landing Matrix

1. Right-click the elevator system icon under the OTIS Elevator System folder in the Hardware tree and select **OTIS DEC 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 the selection button  located to the right of the Clearance Name field to open the Clearance selection dialog box.
5. Click a clearance to select it.
6. **Optional** Click the **Landing Matrix** tab.
7. **Optional** Click the **Add** button.
8. **Optional** Click the selection button  in the empty row under **Landing Matrix** to open the OTIS Default Landing Matrix selection box.

9. **Optional** Click a default landing matrix configuration to select it. The selection appears under Landing Matrix.
10. Click **Save and Close** when done.

Creating a DEC Clearance Landing Matrix with Home Floor

To Create a DEC Clearance Landing Matrix with Home Floor

1. Right-click the elevator system icon under the OTIS Elevator System folder in the Hardware tree and select **OTIS DEC 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 the selection button  located to the right of the Clearance Name field to open the Clearance selection dialog box.
5. Click a clearance to select it.
6. Enter a value, between -127 and 127, to identify Clearance Landing Matrix **Home Floor**. You must select either **Front** or **Rear**.
7. Click **Save and Close** when done

Home Floor Configuration

Pre-Requisites:

- Landing for Home Floor should be created
- Default Landing Matrix should be created which should have Home Floor
- Home Floor should be part of created Default Landing Matrix

NOTE

1. In Clearance landing matrix, add Home Floor.
2. Under Landing Matrix tab, make sure to add Default Landing Matrix that has Home Floor selected.
3. It is recommended to have only 1 Home Floor/Clearance Landing Matrix per person.

Viewing DEC Clearance Landing Matrix Configurations

To View DEC Clearance Landing Matrix Configurations

1. Click the **Hardware** drop-down menu and select **OTIS DEC Clearance Landing Matrix**.
2. Click the green right arrow  located to the right of the **Hardware** drop-down menu.

The OTIS DEC Clearance Landing Matrix tab opens in the Dynamic View displaying a list of DEC Clearance Landing Matrix configurations.

Editing a DEC Clearance Landing Matrix Configuration

To Edit a DEC Clearance Landing Matrix Configuration

1. Click the **Hardware** drop-down menu and select **OTIS DEC Clearance Landing Matrix**.

2. Click the green right arrow  located to the right of the Hardware drop-down menu.

   The OTIS DEC Clearance Landing Matrix tab opens in the Dynamic View displaying a list of DEC Clearance Landing configurations.

3. Right-click the OTIS DEC Clearance Landing Matrix that you want to edit and select **Edit** from the context menu.

   Alternately, you can double-click the DEC Clearance Landing Matrix configuration to open the OTIS DEC Clearance Landing Matrix dialog box.

4. Make the changes to the configuration.
5. Click **Save and Close**.

Deleting a DEC Clearance Landing Matrix Configuration

To Delete a DEC Clearance Landing Matrix Configuration

1. Click the **Hardware** drop-down menu and select **OTIS DEC Clearance Landing Matrix**.
2. Click the green right arrow  located to the right of the Hardware drop-down menu.

   The OTIS DEC Clearance Landing Matrix tab opens in the Dynamic View displaying a list of DEC Clearance Landing configurations.

3. Right-click the OTIS DEC Clearance Landing Matrix configuration that you want to delete and select **Delete** from the context menu.

   The Deleting OTIS DEC 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 DEC Clearance Landing Matrix Template

To Create a DEC Clearance Landing Matrix Template

1. Right-click the elevator system icon under the OTIS Elevator System folder and select **OTIS DEC 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 **OTIS DEC Clearance Landing Matrix>*Templates*.**

7

OTIS DEC Configuration

This chapter describes to configure the DEC (Destination Entry Computer) using the OTIS DEC dialog box.

In this chapter

Accessing the DEC Dialog Box 80
OTIS DEC Dialog Box 81
DEC - Landing Matrix Tab 87
DEC - Schedule Matrix Tab 89
DEC Operation Modes Tab 91
DEC Triggers Tab 93
DEC Status Tab 96
DEC Clearances Tab 98
DEC Card Format Tab 109
DEC iStar Doors Tab 111
DEC State Images Tab 113

Accessing the DEC Dialog Box

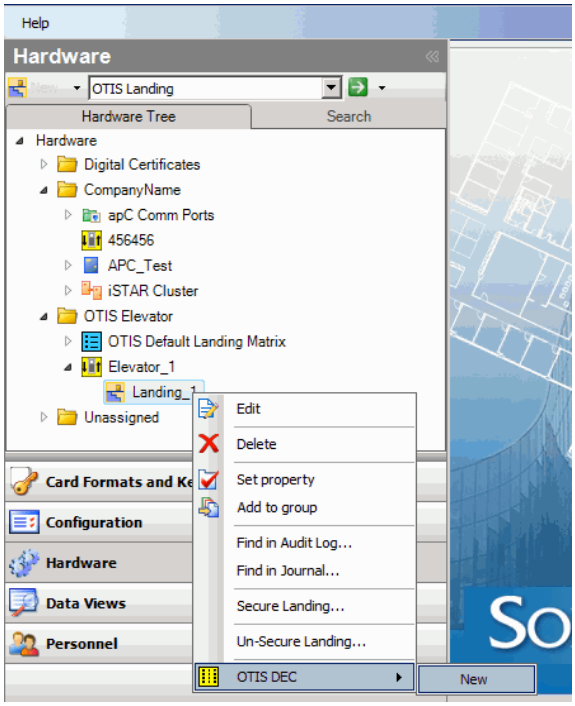
This section explains how to access the OTIS DEC dialog box.

NOTE The OTIS Elevator System must be configured before you can access this dialog box. See OTIS Elevator System Editor Dialog Box and OTIS Landing Dialog Box on Page 62 for more information.

To Access the DEC Dialog Box

1. Click the elevator system icon under the OTIS Elevator System folder under the Hardware tree.
2. Right-click the Landing and select **OTIS DEC>New**, as shown in Figure 30 on Page 80.

Figure 30: Access the DEC Dialog Box



The OTIS DEC dialog box , shown inFigure 31 on Page 82 opens.

OTIS DEC Dialog Box

The OTIS DEC dialog box, shown in Figure 31 on Page 82, represents DEC present in the OTIS Elevator system. The OTIS DEC dialog box lets you configure the DEC general information, including Door Name, IP address, enable Audit, enable Pin, assign a pre-configured schedule and set operation mode.
For ICD Version 1.0 the DEC dialog box is shown in Figure 32 on Page 83.

NOTE The OTIS Elevator System (OTIS Elevator System Editor Dialog Box on Page 26), OTIS Default Landing Matrix (OTIS Default Landing Matrix Dialog Box on Page 56) and the OTIS Landing (OTIS Landing Dialog Box on Page 62) must be configured before you can configure the DEC.

For more information, see the following:

- Accessing the DEC Dialog Box on Page 80
- DEC Dialog Box Definitions on Page 83
- OTIS DEC Dialog Box Tasks on Page 84
- OTIS DEC Dialog Box Tabs on Page 86

Figure 31: OTIS DEC Dialog Box (ICD versions 2, 2.2, 3, and 3.1)

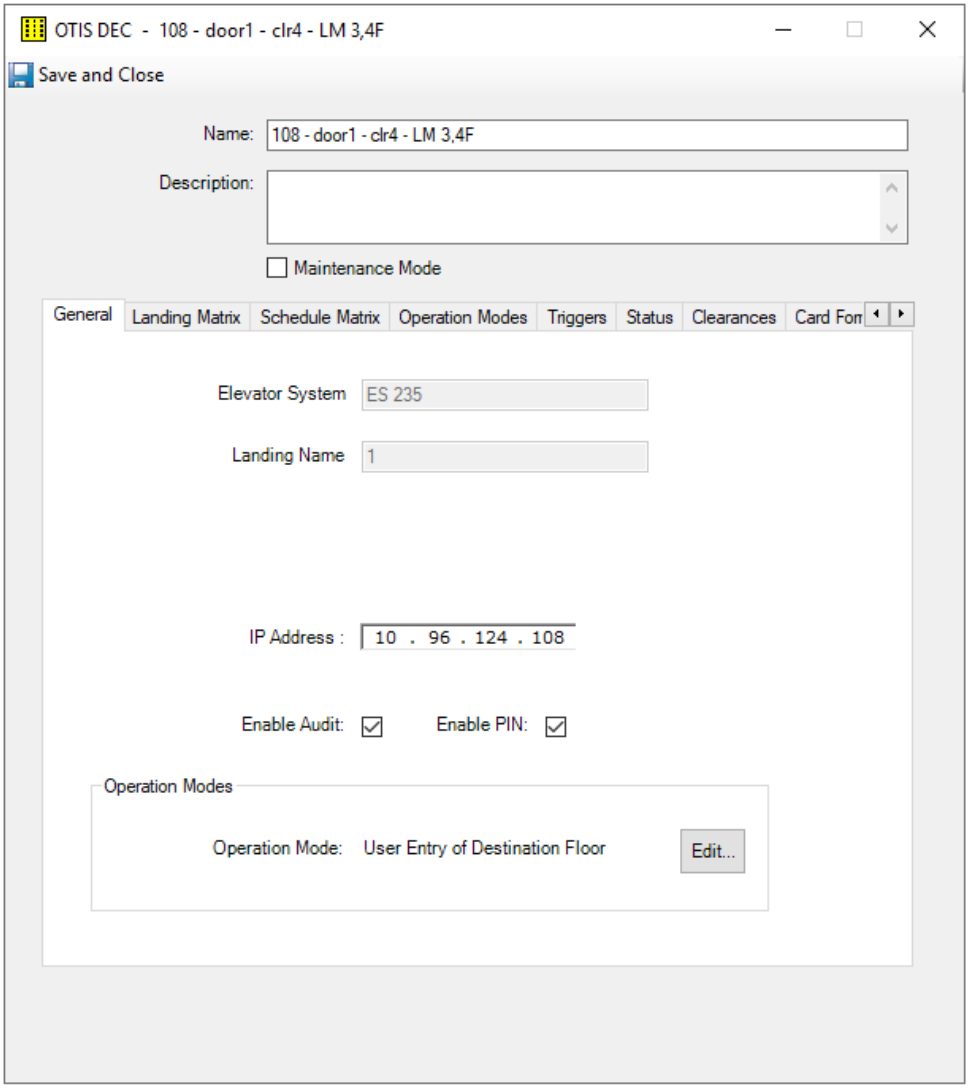
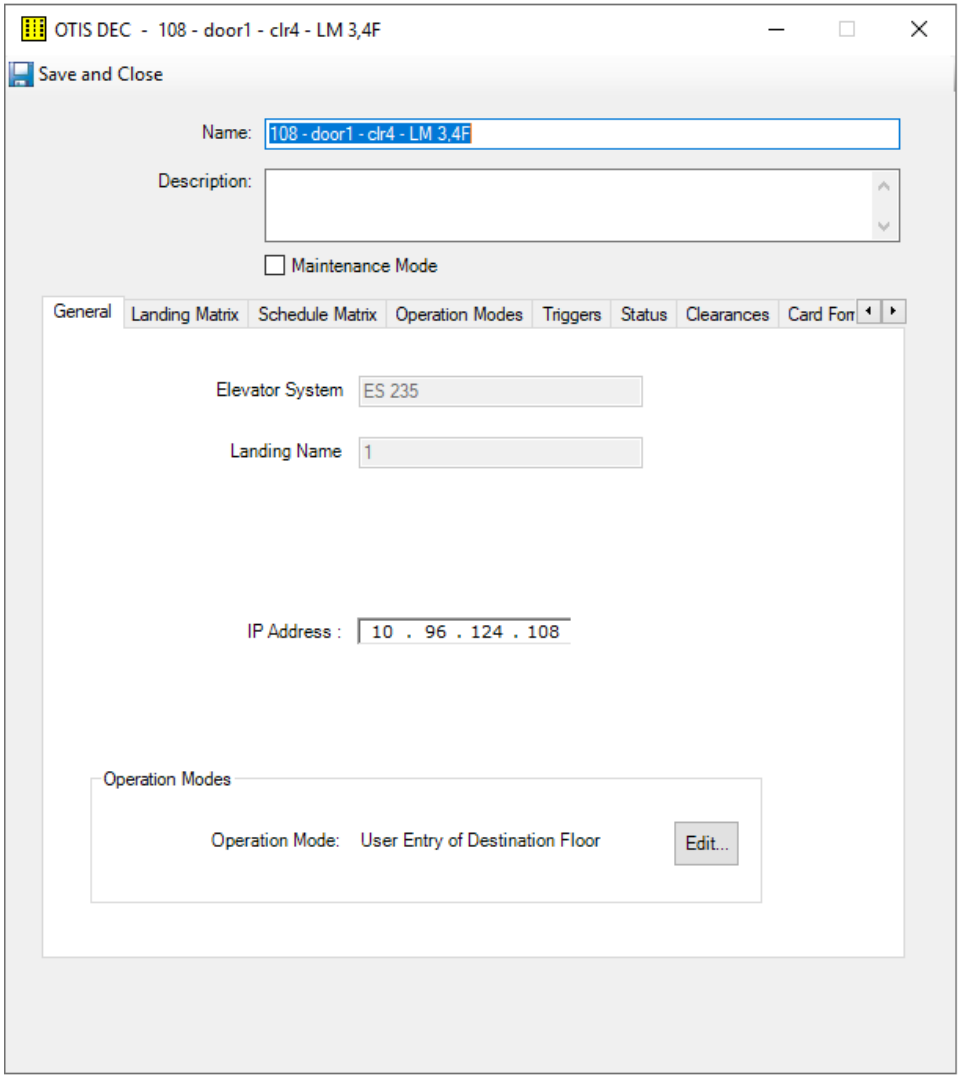


Figure 32: OTIS DEC Dialog Box (ICD Version 1.0)



DEC Dialog Box Definitions

Table 13 on Page 83 describes the OTIS DEC dialog box- General tab fields and buttons.

Table 13: OTIS DEC Dialog Box - General Tab Definitions

Field/Button	Description
Name	A unique name identifying the DEC configuration. • The name is not case-sensitive • Minimum number of characters: 1 • Maximum number of characters: 100

Table 13: OTIS DEC Dialog Box - General Tab Definitions (continued)

Field/Button	Description
Description	Optional. A description for the DEC 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 OTIS Elevator System. This field is read-only.
Landing Name	The name of the Landing. This field is read-only.
IP Address	IP Address of the DEC. Enter the unique IP Address. Enter the value in the fourth subnet. The first three subnet addresses are fixed, and the value range of fourth subnet address is from 1 to 240. The third subnet address is the same as the DER/DES's third subnet address.
Enable Audit	Enable (checked)indicates C•CURE 9000 will start receiving floor selection messages from the respective DEC. Default: Disabled (unchecked) **NOTE: This check box is not applicable for ICD Version V1.0.**
Enable PIN	Enable (checked) indicates Pin entry is enabled at the respective DEC. When the Enable PIN check box is selected, the DEC can accept or reject the Pin codes. For more information see, DEC Clearances Tab on Page 98. Default: Disabled (unchecked) **NOTE: This check box is not applicable for ICD Version V1.0.**

OTIS DEC Dialog Box Tasks

This section describes the following tasks:

- Configuring a DEC on Page 84
- Editing a DEC Configuration on Page 85
- Viewing All DEC Configurations on Page 86
- Deleting a DEC Configuration on Page 86

Configuring a DEC

To Configure a DEC

1. Right-click the elevator system icon under the OTIS Elevator System folder in the Hardware tree and select **OTIS DEC>New**.

   The OTIS DEC dialog box opens.
2. Enter a name, of up to 100 characters, for the DEC in the **Name** field.
3. (Optional) Enter description for the DEC configuration in the **Description** field.

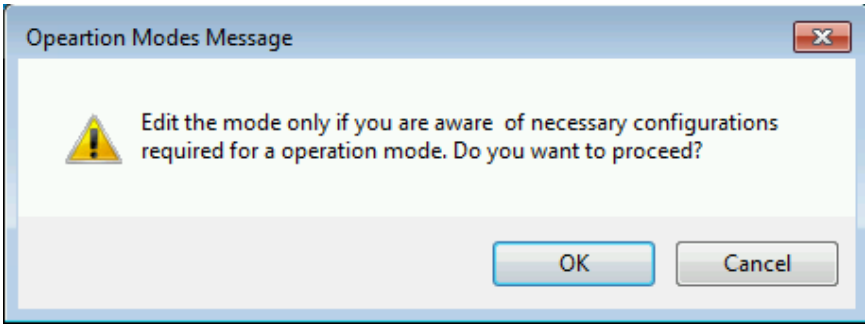
4. Enter the IP address for DEC. For each group ID of the Elevator System, DEC address vary from XXX.YYY.n.1 to XXX.YYY.n.240.
5. (Optional) Select the **Enable Audit** or **Enable PIN** check box.
6. (Optional) In the Operation Modes section click the **Edit** button to change the Operation mode for this DEC in the OTIS System. For more information on selecting the Operation Mode see Operation Mode Message.
7. Click **Save and Close** to save the configuration.

Selecting the Operation Mode

To Select the Operation Mode

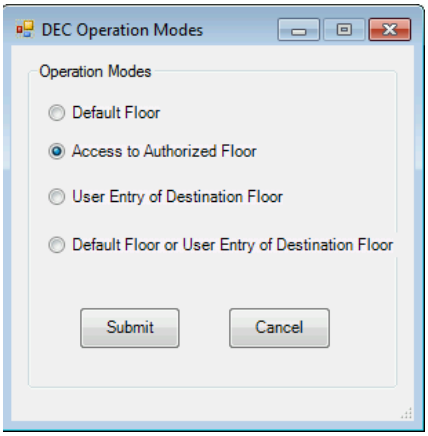
1. In the Operation Modes section click the **Edit** button. A warning message appears as shown in the Figure 33.

Figure 33: Operation Mode Message



2. Click **OK**. DEC Operation Modes window opens to select the Operation Mode as shown in Figure 34 on Page 85.

Figure 34: DEC Operation Modes



3. Select the Operation Mode and click **Submit**.

Editing a DEC Configuration

To Edit a DEC Configuration

1. Double-click the DEC configuration in the tree that you want to edit.

   Alternately, you can right-click the DEC 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 DEC Configurations

To View All DEC Configurations

1. Click the **Hardware** drop-down menu and select **OTIS DEC**.
2. Click the green right arrow  located to the right of the **Hardware** drop-down menu.

The OTIS DEC tab opens in the Dynamic View displaying a list of OTIS DEC configurations.

Deleting a DEC Configuration

To Delete a DEC Configuration

1. Right-click the DEC configuration that you want to delete and select **Delete** from the context menu.

   The Deleting OTIS DEC 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.

OTIS DEC Dialog Box Tabs

The following sections provide information about the OTIS DEC Dialog Box Tabs:

- DEC - Landing Matrix Tab on Page 87
- DEC - Schedule Matrix Tab on Page 89
- DEC Operation Modes Tab on Page 91
- DEC Triggers Tab on Page 93
- DEC Status Tab on Page 96
- DEC Clearances Tab on Page 98
- DEC Card Format Tab on Page 109
- DEC iStar Doors Tab on Page 111
- DEC State Images Tab on Page 113

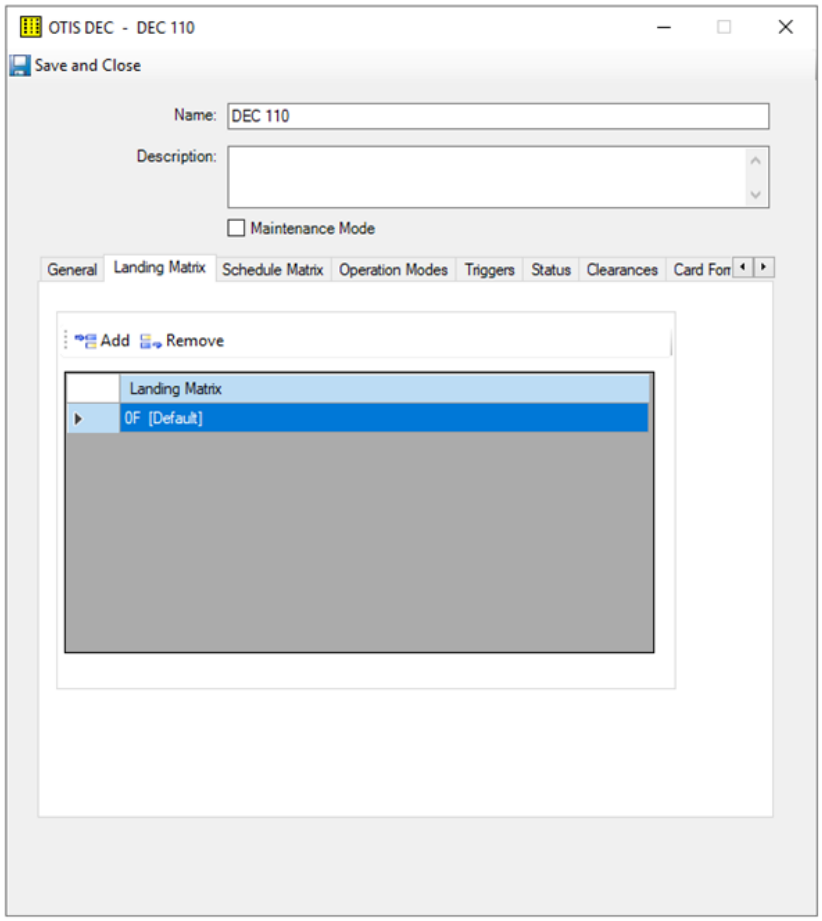
DEC - Landing Matrix Tab

The OTIS DEC dialog box - Landing Matrix tab, shown in Figure 35 on Page 87, is used to assign a pre-configured default landing matrix configuration to a DEC.

For more information, see the following:

- Landing Matrix Tab Definitions on Page 87
- Landing Matrix Tab Tasks on Page 88

Figure 35: OTIS DEC Dialog Box - Landing Matrix Tab



Landing Matrix Tab Definitions

Table 14 on Page 87 describes the Landing Matrix tab fields and buttons.

Table 14: OTIS DEC Dialog Box - Landing Matrix Tab Definitions

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

Field/Button	Description
Remove	Removes and deletes the selected default landing matrix configuration from the table.
Landing Matrix	The default landing matrix configuration selected.

Landing Matrix Tab Tasks

This section includes the following tasks:

- Configuring an OTIS Landing Matrix on Page 88
- Deleting an OTIS Landing Matrix on Page 88

Configuring an OTIS Landing Matrix

To Configure an OTIS Landing Matrix

1. Click the **Landing Matrix** tab.
2. Click the **Add** button.
3. Click the selection button  in the empty row under **Landing Matrix** to open the OTIS Default Landing Matrix selection box.
4. Click a default landing matrix configuration to select it. The selection appears under Landing Matrix.
5. Click **Save and Close**.

Deleting an OTIS Landing Matrix

To Delete an OTIS Landing Matrix

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

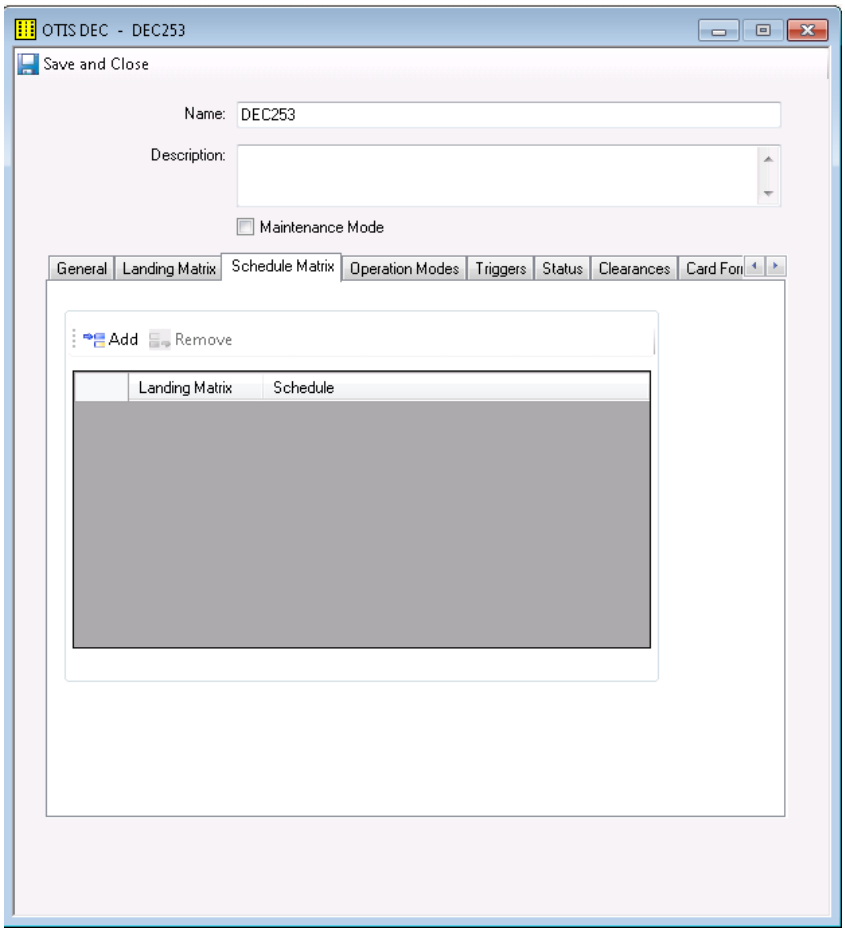
DEC - Schedule Matrix Tab

The OTIS DEC dialog box - Schedule Matrix tab, shown in Figure 36 on Page 89, 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 89
- Schedule Matrix Tab Tasks on Page 90

Figure 36: OTIS DEC Dialog Box - Schedule Matrix Tab



Schedule Matrix Tab Definitions

Table 15 on Page 89 describes the Schedule Matrix tab fields and buttons.

Table 15: OTIS DEC 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.
Remove	Removes and deletes the selected default landing matrix configuration and the assigned schedule from the table.

Field/Button	Description
Landing Matrix	The default landing matrix configuration is 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 an OTIS Landing Schedule Matrix on Page 90
- Deleting an OTIS Landing Schedule Matrix on Page 90

Configuring an OTIS Landing Schedule Matrix

NOTE Only seven Landing schedule matrices are supported for a DEC.

To Configure an OTIS 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 OTIS Default Landing Matrix selection box.
4. Click a default landing matrix configuration to select it. The selection appears under Landing Matrix.
5. Click in blank field under Schedule, and then click the selection button  . The Schedule selection box opens.
6. Click a schedule to select it. The selection appears under Schedule.
7. Click **Save and Close**.

Deleting an OTIS Landing Schedule Matrix

To Delete an OTIS Landing Schedule Matrix

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

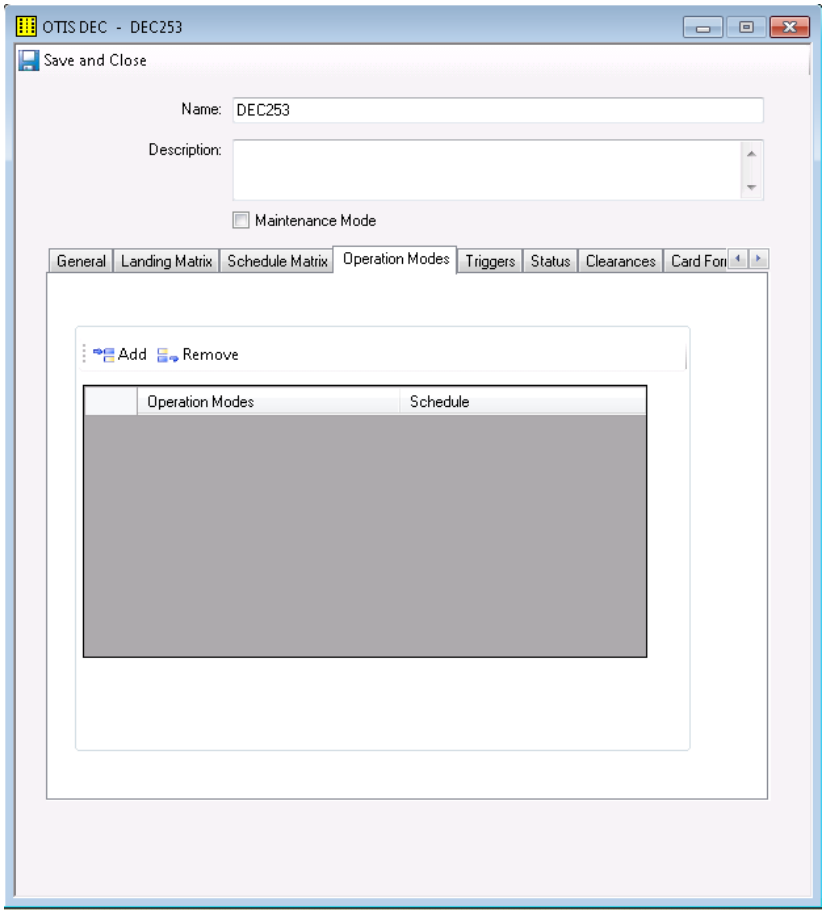
DEC Operation Modes Tab

The OTIS DEC dialog box - Operation Modes tab, shown in Figure 37 on Page 91, is used to set the Operation Mode for the DEC and assign a pre-configured schedule to it.

For more information, see the following:

- Operation Modes Tab Definitions on Page 91
- Operation Modes Tab Tasks on Page 92

Figure 37: OTIS DEC Dialog Box - Operation Modes Tab



Operation Modes Tab Definitions

Table 16 on Page 91 describes the Front Reader tab field.

Table 16: OTIS DEC Dialog Box - Operation Modes Tab Definitions

Field	Description
Add	Adds an empty row to the table to select the Operation Modes and schedule to assign to it.
Remove	Removes and deletes the selected Operation Mode and the assigned schedule from the table.

Field	Description
Operation Modes	Select the Operation Mode for which this DEC is configured. **User Entry of Destination Floor** is the default value. You can choose one of the following: • Default Floor Only • Access to Authorized Floors • User Entry of Destination Floor • Default Floor or User Entry of Destination Floor
Schedule	The schedule selected for the Operation Modes. See the *C•CURE 9000 Software Configuration Guide* for more information about configuring schedules.

Operation Modes Tab Tasks

This section includes the following tasks:

- Selecting an Operation Mode for the DEC on Page 92
- Deleting an Operation Mode for the DEC on Page 92

Selecting an Operation Mode for the DEC

To Select an Operation Mode for the DEC

1. Click the **Operation Modes** tab.
2. Click the **Add** button.
3. Click the drop-down in the empty row under **Operation Modes** to list the Operation Modes.
4. Click the Operation Mode select it. The selection appears under Operation Modes.
5. Click in blank field under Schedule, and then click the selection button  . The Schedule selection box opens.
6. Click a schedule to select it. The selection appears under Schedule.
7. Click **Save and Close**

Deleting an Operation Mode for the DEC

To Delete an Operation Mode for the DEC

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

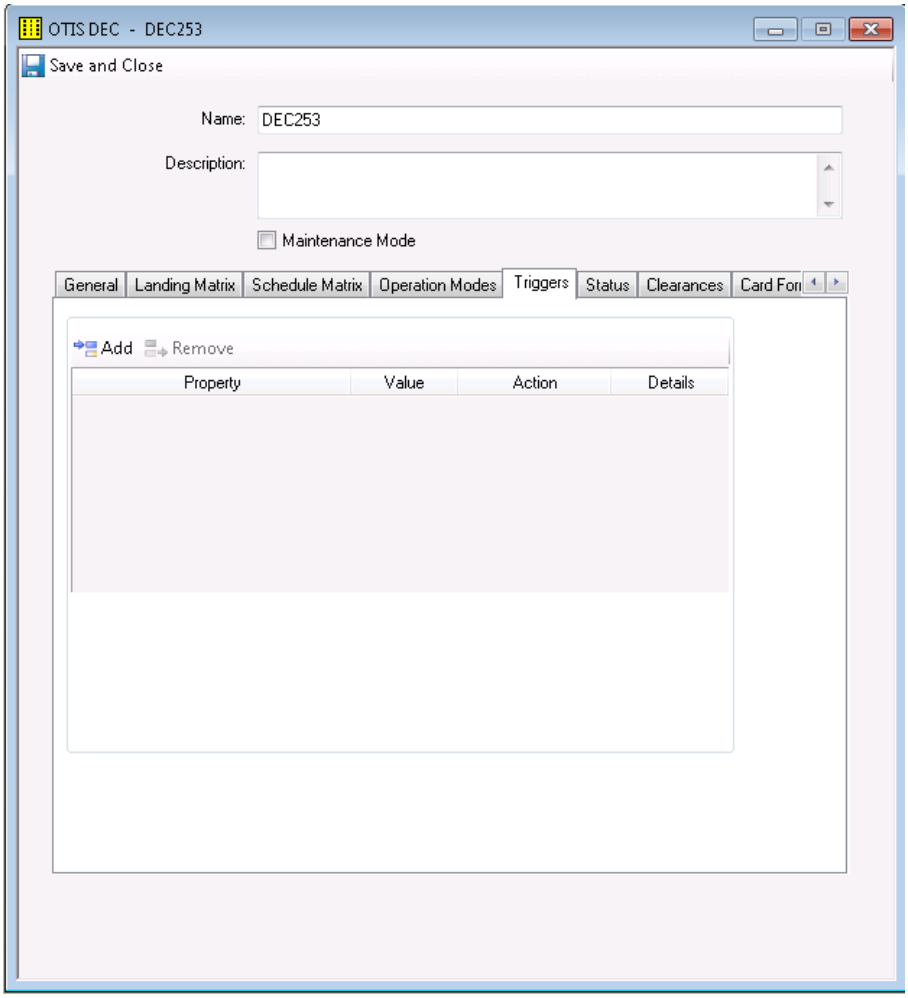
DEC Triggers Tab

The OTIS DEC dialog box - Triggers tab, shown in Figure 38 on Page 93, is used to configure DEC related triggers to activate events.

For more information, see the following:

- DEC Triggers Tab on Page 93
- Triggers Tab Tasks on Page 94

Figure 38: OTIS DEC Dialog Box - Triggers Tab



Triggers Tab Definitions

The OTIS DEC dialog box – Triggers tab fields and buttons are described in Table 17 on Page 94

Table 17: OTIS DEC 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.
Property	Click in the Property field to display the selection button  , and then click  to select CommunicationStatus property (the only selection available).
Value	Selections are Online and Offline.
Action	Click 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 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 94
- Deleting Triggers and Events on Page 95

Selecting Triggers to Activate Events

To Select Triggers to Activate Events

1. Click the **Triggers** tab.
2. Click the **Add** button.
3. Click in the blank row under **Property**, and then click the selection button  to open the OTIS DEC Property dialog box.
4. Click **CommunicationStatus** to select it.
5. Click in the blank field under **Value**.
6. Click the drop-down menu and select **Offline** or **Online**.
7. Click the drop-down menu under **Action** and select **Activate Event**.

   The Event field appears at the bottom of the dialog box.
8. Click the selection button  .
9. Click 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 the row selector button  to select the row.
2. Click the **Remove** button.

DEC Status Tab

The OTIS DEC dialog box- Status tab, shown in Figure 39 on Page 96, provides read-only information about the operational status of OTIS DEC.

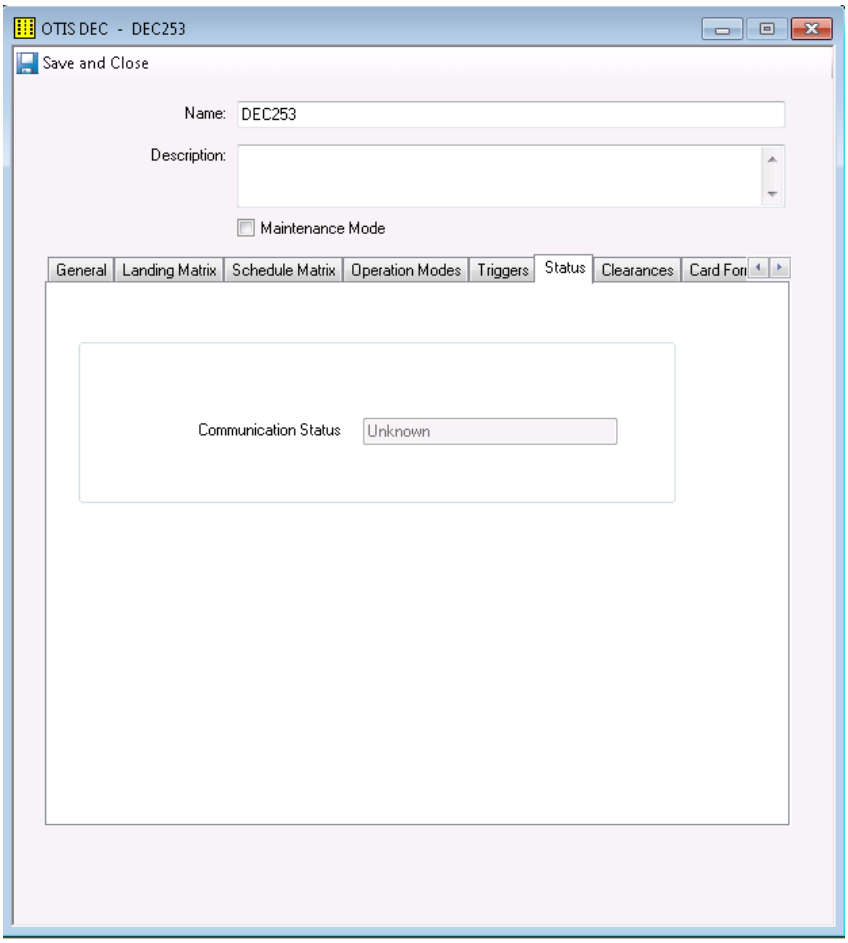
Supported values are:

- Online
- Offline
- Unknown

For more information, see the following:

- Status Tab Descriptions on Page 96

Figure 39: OTIS DEC Dialog Box– Status Tab



Status Tab Descriptions

The OTIS Elevator System Editor–Status tab fields are described in Table 18 on Page 97.

Table 18: Status Tab Definitions

Field/Button	Description
Communication Status	Value (Status): • **Online**: The OTIS DEC is configured and communicating with the OTIS server . • **Offline**: The OTIS DEC is configured, but not communicating with the OTIS server. • **Unknown**: The status cannot be determined, usually displayed after the initial OTIS DEC configuration while waiting for the OTIS server to update the status .

DEC Clearances Tab

In the Clearances support, the user will input the clearances for a DEC device. With the valid clearance at DEC, the personnel has access to authorized floors.

The OTIS DEC dialog box - Clearances tab, shown in Figure 40 on Page 99, is used to map DEC's pre-configured Clearances to the Schedules.

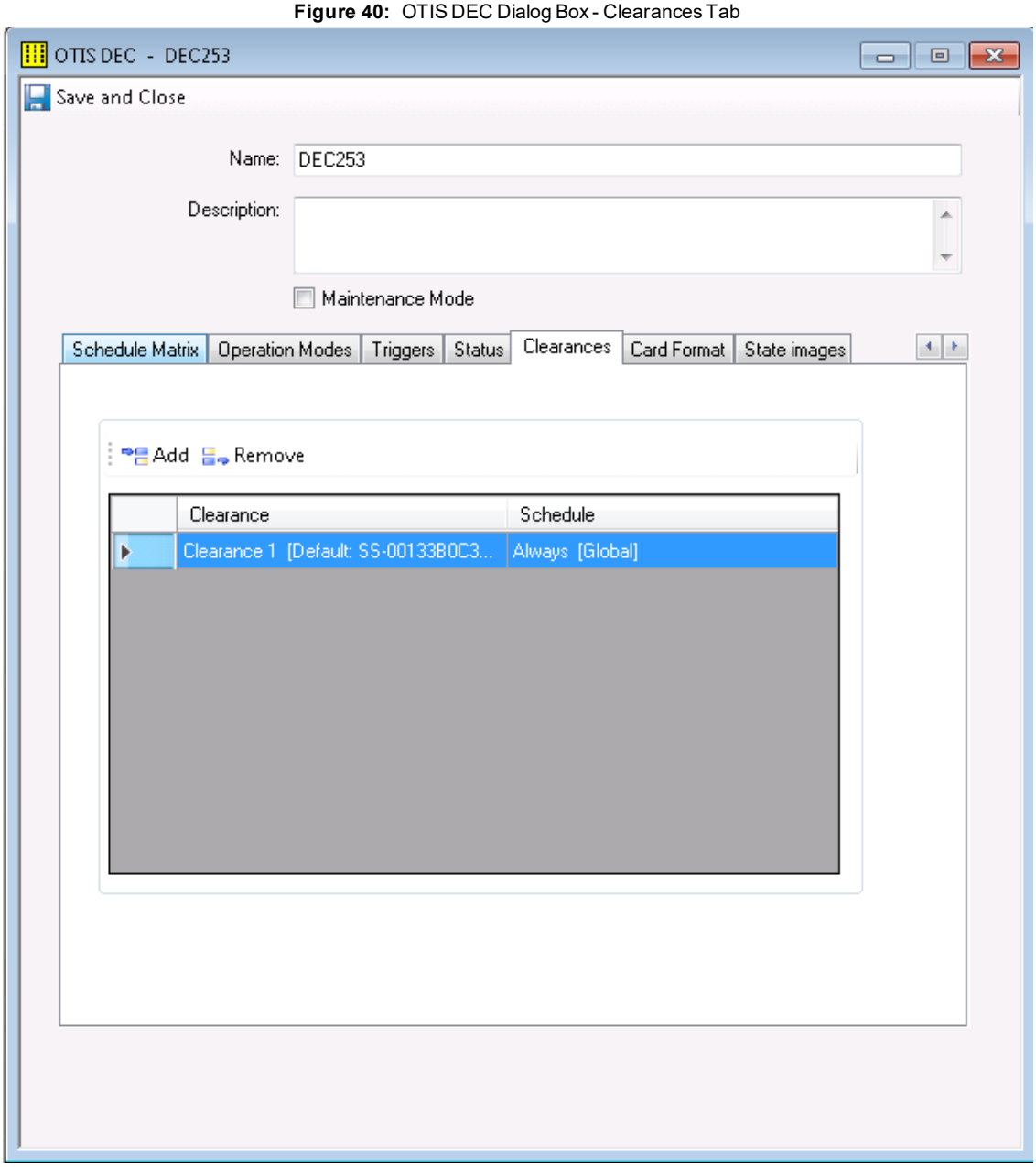
NOTE

- The configured clearances and schedules in the PIN Code Clearance tab are operational only when the **Enable PIN** check box in the DEC General tab is selected. For more information see, DEC Dialog Box Definitions on Page 83.
- Only PINs configured on the Credential tab of Personnel are supported.
- DEC-> Clearance tab is used to allow or deny access to Personnel. After it is derived, the Landing access is derived based on Clearance Landing Matrix. All clearances need not be part of the DEC-> Clearance tab while deriving the landing access.

For more information, see the following:

- Clearances Tab Definitions on Page 99
- Clearance Tab Tasks on Page 100

Figure 40: OTIS DEC Dialog Box - Clearances Tab



Clearances Tab Definitions

Table 19 on Page 99 describes the Landing Matrix tab fields and buttons.

Table 19: OTIS DEC Dialog Box - Landing Matrix Tab Definitions

Field/Button	Description
Add	Adds an empty row to the table for selection of a Clearance and Schedule
Remove	Removes and deletes the selected Clearance and Schedule from the table.

Field/Button	Description
Clearance	The pre-configured personnel clearance. See the *C•CURE 9000 Software Configuration Guide* for more information about configuring clearances.
Schedule	The schedule selected for the Clearance. See the *C•CURE 9000 Software Configuration Guide* for more information about configuring schedules.

Clearance Tab Tasks

This section includes the following tasks:

- Swiping Card or Entering Pin at Inbuilt Reader of DEC to Grant or Deny Access on Page 100
- Deriving Clearance Landing Matrix and Sending List of Authorized Floors to DEC when the card is swiped or PIN is entered at the Inbuilt Reader of DEC on Page 101
- Deriving Clearance Landing Matrix and Sending List of Authorized Floors to DEC when the card is swiped or PIN is entered at the External Reader of DEC on Page 102
- Deriving Clearance Landing Matrix and sending List of Authorized Floors to DEC when the card is swiped or PIN is entered at the External Reader of DEC having multiple iStar doors under iStar Doors tab: on Page 103
- Configuring a Clearance on Page 107
- Deleting a Clearance on Page 108

Swiping Card or Entering Pin at Inbuilt Reader of DEC to Grant or Deny Access

Follow the below workflow of card swipe at inbuilt reader of DEC to grant or deny access:

NOTE This workflow is not applicable when DEC is configured with iSTAR door.

Do not configure Clearance - Schedule Mapping when iSTAR door is used for card reads.

1. Swipe the card at inbuilt reader of DEC.
2. Hex value (Card data or Pin data) received from DEC is validated against Card Formats configured under Card Format tab, refer to DEC Card Format Tab on Page 109.
3. CHUID (Card holder Unique Identifier) is derived and Personnel is identified based on the matched card format.
4. Use the Clearance configured under Clearance tab of DEC to match if any of the Clearance configured is assigned to Personnel or not.
5. If one of the Clearance matches with Clearances configured in Personnel under Clearance tab, then the user is granted with the access.

NOTE Clearance configured under Clearance tab of DEC with Active schedule is used to grant access.

Clearance with Inactive schedule cannot grant access.

Deriving Clearance Landing Matrix and Sending List of Authorized Floors to DEC when the card is swiped or PIN is entered at the Inbuilt Reader of DEC

After access is granted, follow the below workflow to derive the Clearance Landing Matrix and send the list of floors

to DEC:

Refer Table 20 on Page 101 for the configuration or mapping of Clearances.

Table 20: Configuration of Clearances

SL.No	DEC (or) Personnel	Clearances	Schedule Status	Notes
1	DEC 1	Clearance 1	Active	Clearances-Schedule mapping under Clearances tab of DEC
	DEC 1	Clearance 2	Inactive	
2	Personnel1	Clearance 1 Clearance 2 Clearance 3 Clearance 4		Clearances are mapped under Clearance tab of Personnel record in C•CURE 9000

Refer Table 21 on Page 101 for the configuration of Elevator Systems.

Table 21: Configuration of Elevator Systems

SL.No	Elevator Systems	Clearances	Clearance Landing Matrix (CLM)	Floors
1	Elevator System1	Clearance 1	Clearance Landing Matrix 1	1, 2, and 3
	Elevator System1	Clearance 2	Clearance Landing Matrix 2	4, 5, and 6
	Elevator System1	Clearance 3	Clearance Landing Matrix 3	7, 8, and 9
	Note: Elevator System1 does not have **Clearance 4** mapped with any Clearance Landing Matrix.			

Workflow:

1. When **Personnel1** swipes a card at **DEC1** associated with **Elevator System1**, then the Clearance associated under Clearances tab of DEC is used to grant access to Personnel.
   - In this case **Clearance 1** is used to grant access. **Clearance 2** cannot grant access, as it has Inactive schedule.
2. After the access is granted, OTIS integration derives the list of all Clearances associated with Personnel.
   - In this case the list includes **Clearance 1**, **Clearance 2**, **Clearance 3**, and **Clearance 4**.
3. OTIS integration will now derive the list of associated Clearance mapped with **Active** schedules under Clearance tab of DEC.
4. OTIS integration performs the comparison of results derived in Steps 2 and 3, and list of Clearances with Active schedule are shortlisted.
   - In this case, only **Clearance 1** will be derived as it is mapped to Active schedule and **Clearance 2** will be ignored as it is mapped to Inactive schedule.

5. Any additional Clearances associated with Personnel and mapped with Clearance Landing Matrix will also be considered for Clearance Landing Matrix calculation.
   - In this case, **Clearance 3** will be considered and **Clearance 4** will be ignored as it does not have any Clearance Landing Matrix configured in system associated with Personnel.
6. OTIS integration derives the list of associated Clearance Landing Matrices with the above Clearances.
   - In this case, following two Landing Matrices are derived:
     - Clearance Landing Matrix 1
     - Clearance Landing Matrix 3
   - **Clearance Landing Matrix 2** will not be considered as schedule associated with Clearance2 is Inactive. Also **Clearance 4** will be ignored as it does not have any Clearance Landing Matrix associated with it.
   - CLMs associated with Clearances with Active schedule configured under DEC and Personnel are merged together.
     - In this case Clearance Landing Matrix 1 and 3 are the merged CLMs.
     - As a result, floors associated with Clearance Landing Matrices 1 and 3 are dispatched to DEC.
       - In this case floors 1, 2, 3, 7, 8, 9 are dispatched to DEC.

Deriving Clearance Landing Matrix and Sending List of Authorized Floors to DEC when the card is swiped or PIN is entered at the External Reader of DEC

NOTE This workflow is applicable only when DEC is configured with iSTAR readers (Doors).

Use Case: Swiping the card or entering the pin at external reader associated with DEC to Grant or Deny Access and calculate the Clearance Landing Matrix.

After the access is granted, the OTIS integration follows the below workflow to derive the Clearance Landing Matrix and send the list of authorized floors to DEC:

Refer Table 22 on Page 102 for the configuration or mapping of Clearances.

Table 22: Configuration of Clearances

SL.No	DEC (or) Personnel	Clearances	Notes
1	DEC 1		Clearances-Schedule mapping under Clearances tab of DEC
2	Personnel1	Clearance 1 Clearance 2 Clearance 3 Clearance 4	Clearances are mapped under Clearance tab of Personnel record in C•CURE 9000

Refer Table 23 on Page 103 for the configuration of Elevator Systems and Clearance Landing Matrix.

Table 23: Configuration of Elevator Systems and Clearance Landing Matrix.

SL.No	Elevator Systems	Clearances	Clearance Landing Matrix (CLM)	Floors
1	Elevator System1	Clearance 1	Clearance Landing Matrix 1	1, 2, and 3
	Elevator System1	Clearance 2	Clearance Landing Matrix 2	4, 5, and 6
	Elevator System1	Clearance 3	Clearance Landing Matrix 3	7, 8, and 9
	Note:Elevator System1 does not have **Clearance 4** mapped with any Clearance Landing Matrix.			

Workflow:

1. After the access is granted (in this case by iSTAR reader), the OTIS integration derives the list of all Clearances associated with Personnel.
   - In this case the list includes **Clearance 1**, **Clearance 2**, **Clearance 3**, and **Clearance 4**.
2. The OTIS integration derives the list of associated Clearance Landing Matrices with the above Clearances.
   - In this case, following three Landing Matrices are derived:
     - Clearance Landing Matrix 1
     - Clearance Landing Matrix 2
     - Clearance Landing Matrix 3
   - **Clearance 4** will be ignored as it does not have any Clearance Landing Matrix associated with it.
3. Clearance Landing Matrix 1, 2 and 3 will be merged together. As a result, the floors associated with Clearance Landing Matrices 1, 2 and 3 are dispatched to DEC.
   - In this case floors 1, 2, 3,4, 5, 6, 7, 8, and 9 are dispatched to DEC.

NOTE Swiping the valid card at iSTAR reader and clearances with inactive Schedule-Door mapping (refer to C•CURE 9000 Personnel Configuration Guide-Clearance) are also considered while deriving the Clearance Landing Matrix.

NOTE **Attention**- If user associates iSTAR door with DEC and also captures Card Format and Schedule-Clearance mapping on Card Format tab (refer to Figure 43 on Page 109) and Clearances tab (refer to Figure 40 on Page 99) respectively, then the list of Authorized floors generated (merged CLMs) may differ in case of card swipe at iSTAR reader (Door) mapped with DEC. It may also result in Denying of access, even though personnel have valid clearance to get Access Granted at iSTAR door. This is because, Schedules associated with the clearances under Clearances tab of DEC are not active. Schedule-Clearance mapping done under Clearances tab of DEC takes precedence while authorizing Personnel.

Deriving Clearance Landing Matrix and sending List of Authorized Floors to DEC when the card is swiped or PIN is entered at the External Reader of DEC having multiple iStar doors under iStar Doors tab:

NOTE This workflow is applicable only when DEC is configured with iStar readers (Doors).

Use Case: Swiping the card or entering the pin at external reader associated with DEC to Grant or Deny Access and calculate the Clearance Landing Matrix.

Refer Table 24 on Page 104 for the configuration or mapping of Objects and Clearances.

Table 24: Objects and Clearances Configurations

Sl.No	Objects	Clearances/Doors	Notes
1	DEC 1	None	Clearances-Schedule mapping under Clearances tab of DEC
	DEC 1	iStar Door 1 iStar Door 2	iStar Doors configured under iStar Doors tab of DEC
2	Personnel1	Clearance 1 Clearance 2 Clearance 3 Clearance 4	Clearances are mapped under Clearances tab of Personnel record in C•CURE 9000
3	iStar Door 1	Clearance 1	iStar Door mapped to Clearances
4	iStar Door 2	Clearance 2	iStar Door mapped to Clearances

Refer Table 25 on Page 104 for the configuration or mapping of ES and Clearances.

Table 25: ES and Clearances Configurations

SL.No	Elevator Systems	Clearances	Clearance Landing Matrix (CLM)	Clearance Landing Matrix (CLM) floors
1	Elevator System1	Clearance 1	CLM 1	1, 2 and 3
	Elevator System1	Clearance 2	CLM 2	4, 5 and 6
	Elevator System1	Clearance 3	CLM 3	7, 8 and 9
	Note: **Elevator System1** does not have **Clearance 4** mapped with any Clearance Landing Matrix.			

Workflow:

1. When Personnel 1 swipes the card at iStar Door 1, then the access is granted as iStar Door 1 is configured under iStar Doors tab of DEC 1. Similarly, when Personnel 1 swipes the card at iStar Door 2, then also the access is granted.
2. After the access is granted, the OTIS integration derives the list of all Clearances associated with Personnel.
   - In this case, the lists includes Clearance 1, Clearance 2, Clearance 3, and Clearance 4.
3. The OTIS integration derives the list of associated Clearance Landing Matrices with the above Clearances.
   - In this case, following three Landing Matrices are derived:
     - Clearance Landing Matrix 1
     - Clearance Landing Matrix 2

- Clearance Landing Matrix 3
- Clearance 4 will be ignored as it does not have any Clearance Landing Matrix associated with it.

4. Clearance Landing Matrix 1, 2 and 3 will be merged. As a result, the floors associated with Clearance Landing Matrices 1, 2 and 3 are dispatched to DEC.
   - In this case floors 1, 2, 3,4, 5, 6, 7, 8, and 9 are dispatched to DEC.

Home Floor workflow with multiple Clearances for a person:

Scenario 1: Multiple Clearance Landing Matrices (CLMs) with different non-zero Home Floors associated, and if Personnel associated with the same Clearances mapped to different CLMs and swipe at DEC then following are the states:

- Scenario A: Home Floor mapped to the Clearance Landing Matrix with Clearance that is assigned at last to the Personnel is dispatched.
- Scenario B: If the driver restarts, then the Home Floor with maximum ClearanceID will be dispatched.

Example: When multiple Clearance Landing Matrices (such as CLM 1, CLM 2 and CLM 3) with different non-zero Home Floors are associated, refer Figure 41 on Page 105, and Personnel with same Clearances refer Figure 42 on Page 106

CLM 1 with Home Floor as 4, CLM 2 with Home Floor as 3 and CLM 3 with Home Floor as 10 and Personnel1 with Clearances as Clearance1, Clearance2 and Clearance3.

- With reference to Scenario A, Home Floor 10 will be dispatched.
- With reference to Scenario B, Home Floor dispatch depends on the ClearanceID.

Figure 41: Multiple CLMs - Non Zero Home Floors

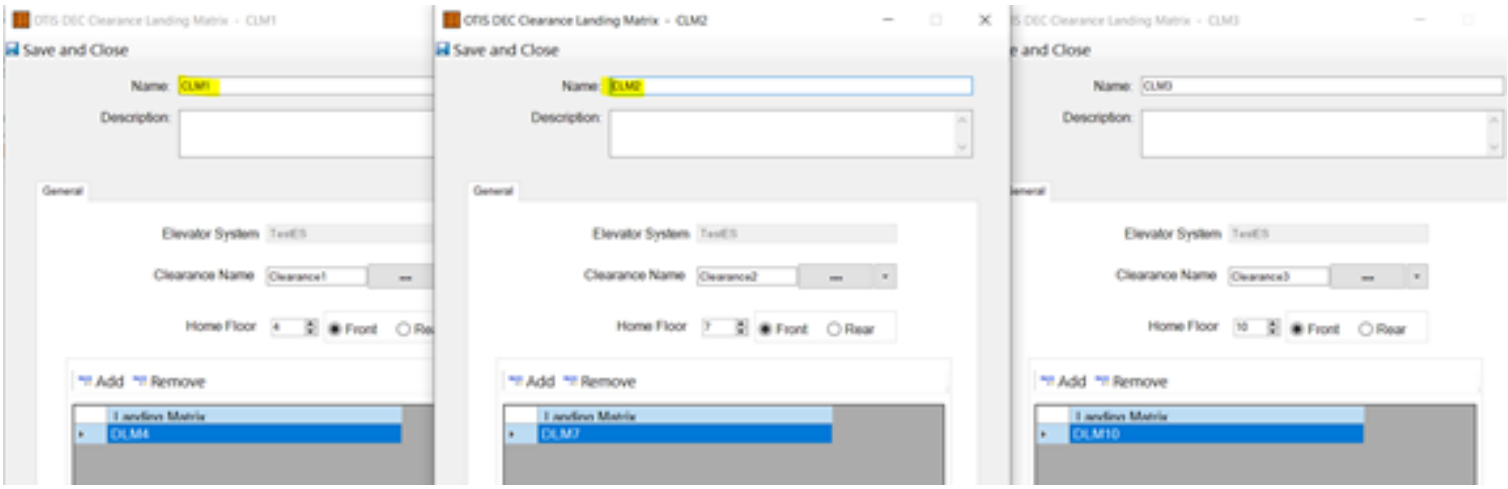
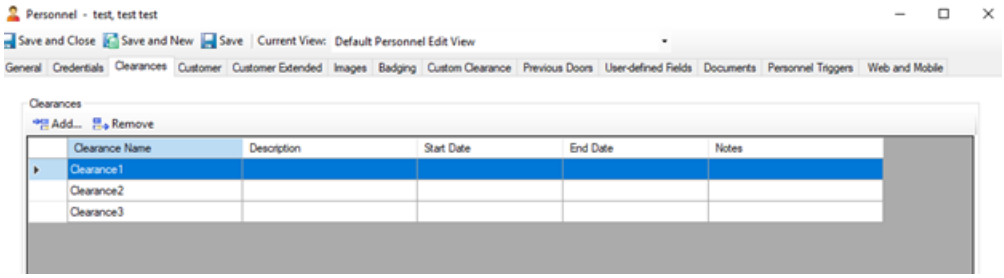


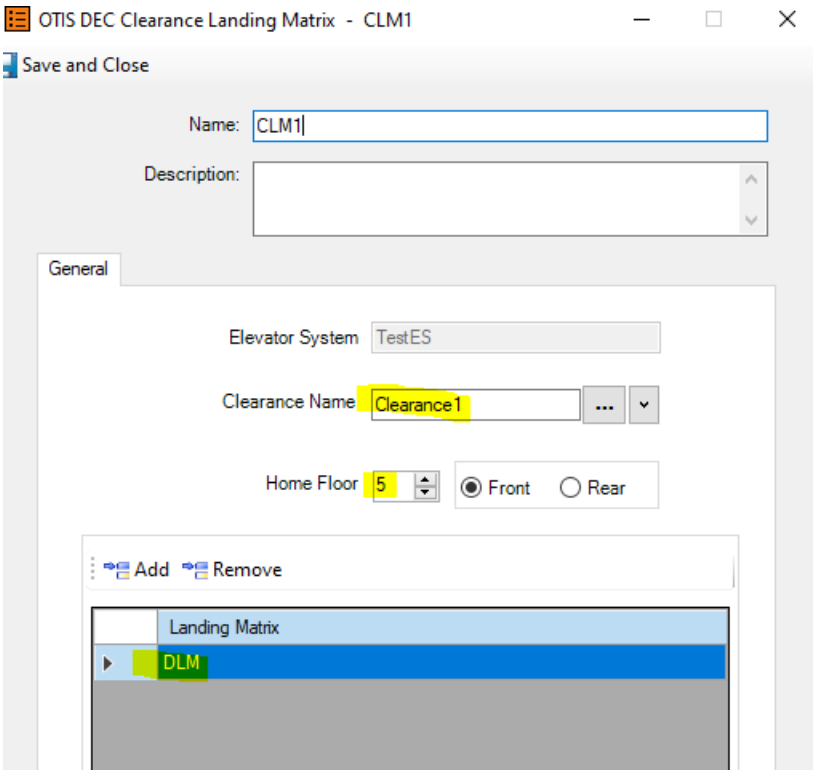
Figure 42: Personnel with same Clearances



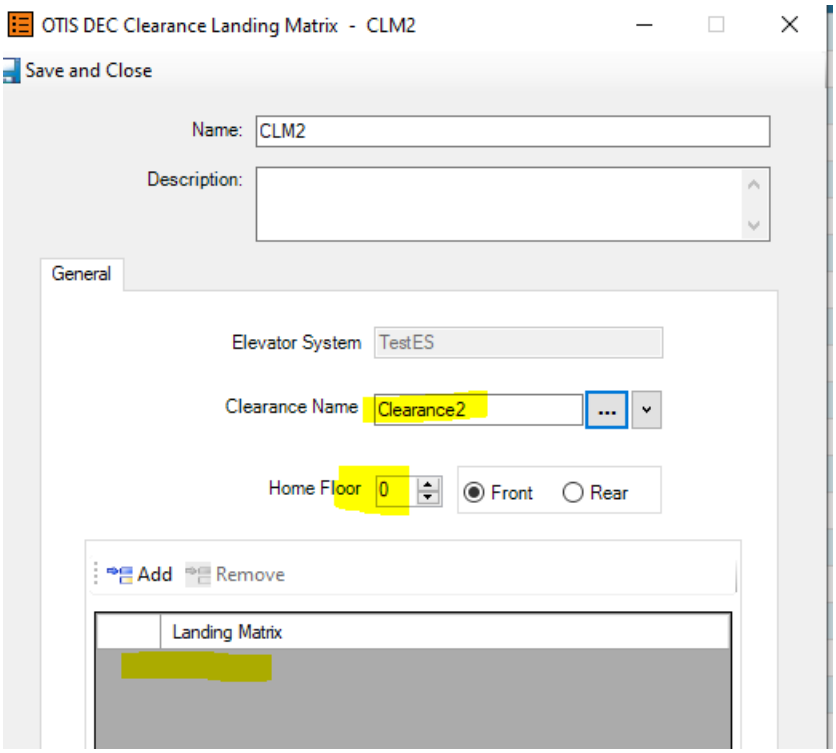
Scenario 2: Multiple Clearance Landing Matrices with one non-zero Home Floor associated with one CLM and the remaining have a default value as zero for Home Floor and if Personnel associated with same Clearances associated with different CLMs swipe at DEC, then the non-zero Home Floor will be dispatched.

Example: When a person has multiple Clearances (such as Clearance 1, Clearance 2 and Clearance 3) refer Figure 42 on Page 106

a. Clearance 1 associated with CLM1, with the Home Floor set as 5 and respective Default Landing Matrices (DLM) should be added to the Landing Matrix. Refer below figure:



b. Clearance 2 associated with CLM2, with the home Floor set as 0, and the Default Landing Matrices should not be added to the Landing Matrix. Refer below figure:



c. Clearance 3 associated with CLM3, with the home Floor set as 0, and the Default Landing Matrices should not be added to the Landing Matrix.

Then, when a person swipes a card at DEC1 which is associated with Clearance 1, the non-zero Home Floor (5 in this case, which is associated with CLM1) should be dispatched correctly.

The system behavior should be the same even after the Otis driver service is restarted.

Configuring a Clearance

To Configure a Clearance

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

NOTE User can add only one row combination of a Clearance and Schedule.

NOTE For personnel configured with multiple clearances, it is recommended to add all the clearances assigned to personnel with appropriate schedule. Configuration of common clearance with Always schedule is not recommended. This will result in getting all personnel access to DOP 24*7.

Deleting a Clearance

To Delete a Clearance

1. Click in the row containing the Clearance you want to delete.
2. Click the **Remove** button.

DEC Card Format Tab

You can associate the pre-configured card format with the DEC using the **OTIS DEC-Card Format** tab.

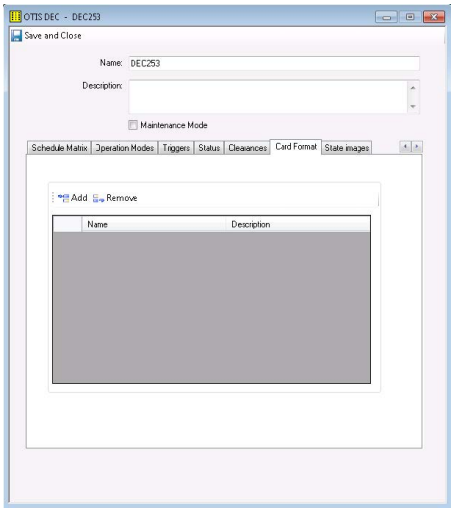
Once you map the card format with the DEC, only the associated card formats will be considered for credential evaluation on any card swipe done on this DEC.

NOTE You can map only the pre-configured card formats with DEC using OTIS DEC-Card Format tab. You can create new card formats using the Card Format Editor. For more information, see Card Format Editor in C•CURE 9000 User Manual. CHUID length supported by OTIS integration is 80.

For more information, see the following:

- Card Format Tab Definitions on Page 109
- Card Format Tab Tasks on Page 109

Figure 43: Figure 41: OTIS DEC -Card Format Tab



Card Format Tab Definitions

Table 20 on Page 121 describes the Card Format tab fields and buttons.

Field/Button	Description
Add	Click this button to map a card format with the DEC.
Remove	Click this button to remove the associated card format from the DEC.
Name	The name of the card format that you want to associate with the DEC.
Description	Description about the selected card format.

Card Format Tab Tasks

This section includes the following tasks:

■ Mapping a Card Format with the DEC on Page 110

■ Deleting a Card Format on Page 110

Mapping a Card Format with the DEC

To Map a Card Format

Before you Begin

Ensure that all the required card formats are configured in the C•CURE 9000 Card Format Editor.

1. Click the **Card Format** tab.
2. Click **Add**.
3. Click in the empty row under **Name** to open the selection box.
4. Click a card format to select. The selection appears in the table with the name and description.
5. Click **Save and Close**.

Deleting a Card Format

To Delete a Card Format

1. Select the card fromat that you want to delete.
2. Click **Remove**.

DEC iStar Doors Tab

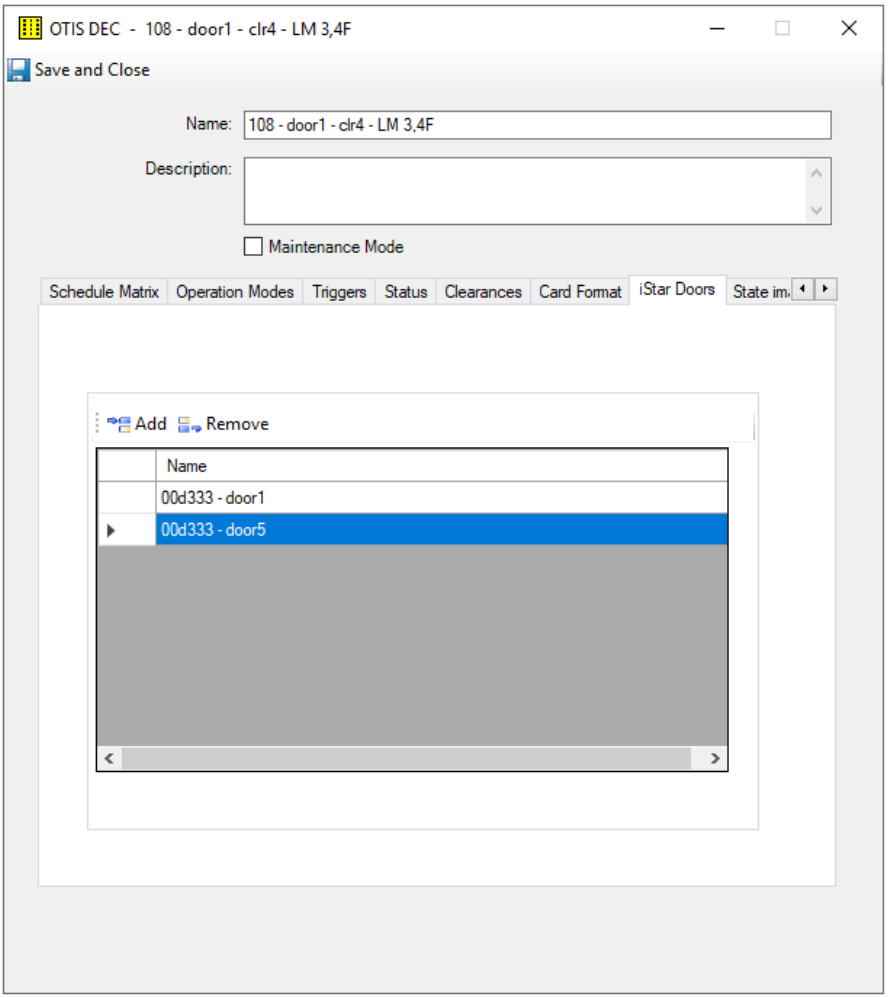
The OTIS DEC - iStar Doors tab, shown in Figure 44 on Page 111, is used to assign a pre-configured iStar door to a DEC.

NOTE Single iStar Door configuration option from General tab is removed as iStar Doors tab is added to support multiple iStar doors under DEC.

For more information, see the following:

- iStar Doors Tab Definitions on Page 111
- iStar Doors Tab Tasks on Page 112

Figure 44: OTIS DEC - iStar Doors Tab



iStar Doors Tab Definitions

Table 20 on Page 121 describes the iStar Doors tab fields and buttons.

Field/Button	Description
Add	Click this button to map a iStar Door with the DEC.
Remove	Click this button to remove the associated iStar Door from the DEC.
Name	The name of the iStar Door that you want to associate with the DEC.

iStar Doors Tab Tasks

This section includes the following tasks:

■ Mapping a iStar Door with the DEC on Page 112

■ Deleting a iStar Door on Page 112

Mapping a iStar Door with the DEC

To Map a iStar Door

Before you Begin

Ensure that all the required iStar Doors are configured in the C•CURE 9000 iStar Door Editor.

1. Click the **iStar Doors** tab.
2. Click **Add**.
3. Click in the empty row under **Name** to open the selection box.
4. Click a iStar Door to select. The selection appears in the table with the name and description.
5. Click **Save and Close**.

Deleting a iStar Door

To Delete a iStar Door

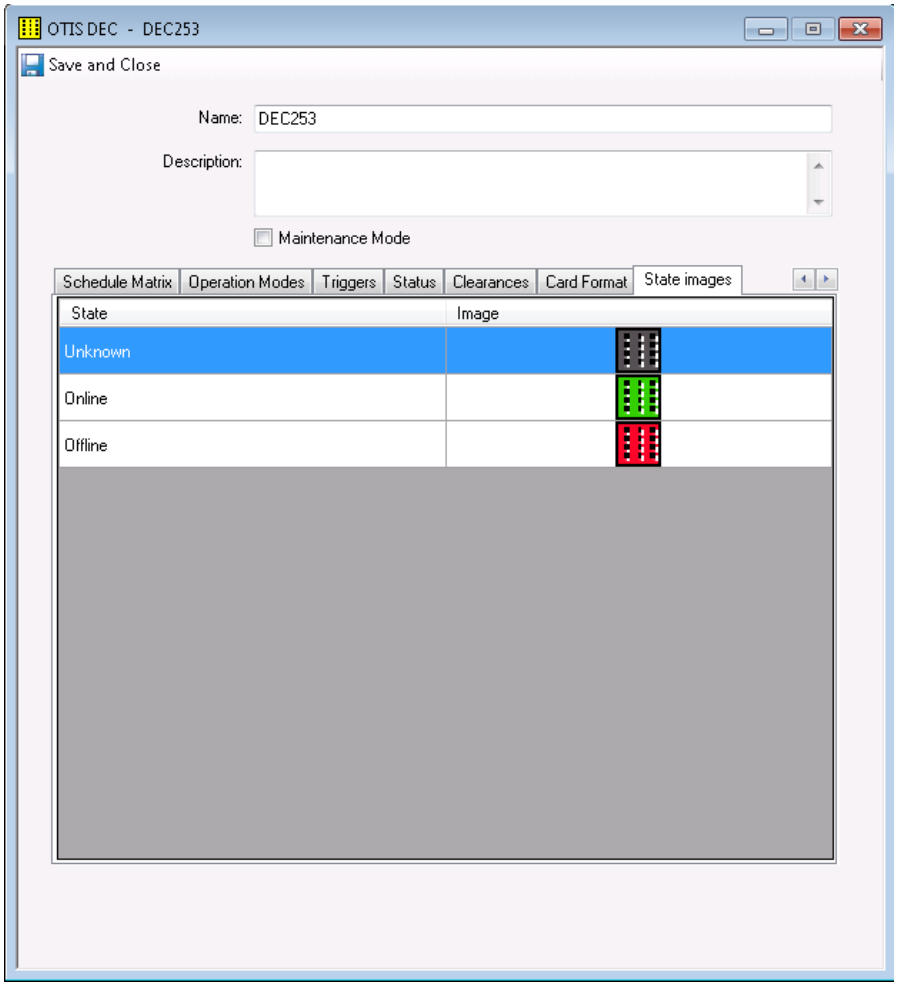
1. Select the iStar Door that you want to delete.
2. Click **Remove**.
3. Click **Save and Close**.

DEC State Images Tab

The State Images tab, shown in Figure 45 on Page 113 displays the current DEC images that display in the Monitoring Station to represent the activities concerning the DEC. You can select other images to display for this DEC and return back to the default images, as described in this section.

See State Images Tab Tasks on Page 67 for information about changing the state images.

Figure 45: OTIS DEC 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 113
- Restore the Default State Image on Page 114

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 the image in the State Images tab and select **Restore Default**.

8

OTIS User Types

This chapter describes how to associate personnel to a User Type. The User Type represents information pertaining to the credential holder.

In this chapter

Accessing the User Type Dialog Box 116
OTIS User Type Dialog Box 117

Accessing the User Type Dialog Box

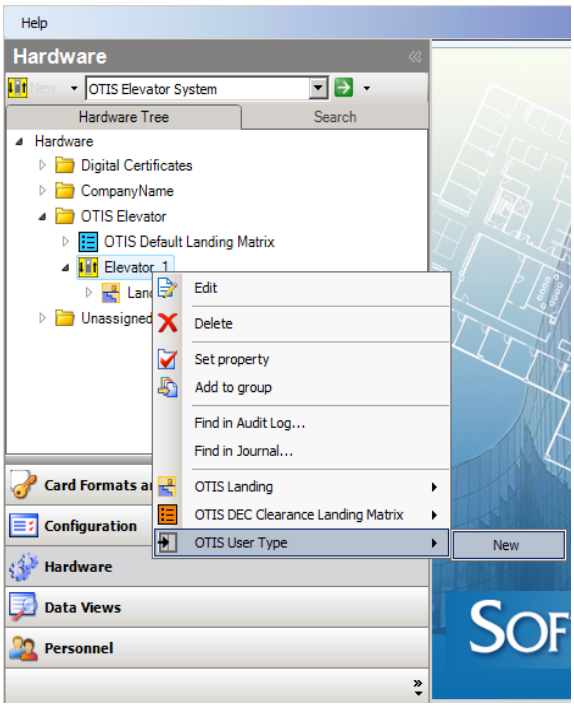
This section explains how to access the OTIS User Type dialog box.

NOTE The OTIS Elevator System (OTIS Elevator System Editor Dialog Box on Page 26), OTIS Default Landing Matrix (OTIS Default Landing Matrix Dialog Box on Page 56) OTIS Landing (OTIS Landing Dialog Box on Page 62) and Clearance Landing Matrix must be configured before you can configure the User Type.

To Access the User Type Dialog Box

1. Click the elevator system icon under the OTIS Elevator System folder under the Hardware tree and select **OTIS User Type>New**, as shown in Figure 46 on Page 116.

Figure 46: Access the User Type Dialog Box



The OTIS User Type dialog box, shown in Figure 47 on Page 117 opens.

OTIS User Type Dialog Box

The OTIS User Type dialog box, shown in Figure 47 on Page 117, is used to associate personnel group to a User type. OTIS allows a user to have combination of User Type. The different User Type are Standard, TD04, TD08, TD10, TD20, TD40, and TD80. Type Descriptor (TD) defines information pertaining to the credential holder. For example, standard, person with disability, VIP, vertigo susceptible.

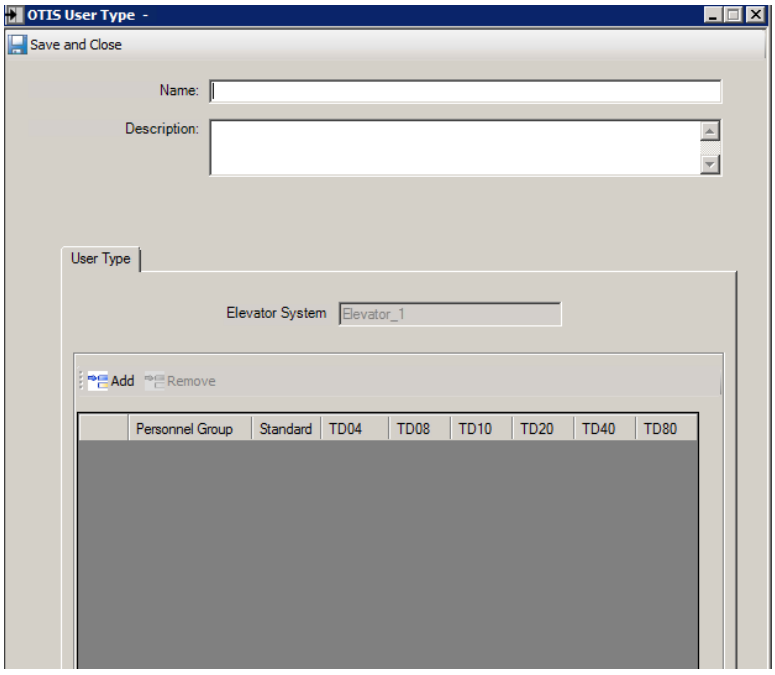
NOTE Standard and ADA user cannot not be combined.

NOTE Per Elevator System, only one object can be created for User Type.

For more information, see the following:

- Accessing the User Type Dialog Box on Page 116
- User Type Dialog Box Definitions on Page 117
- User Type Dialog Box Tasks on Page 118

Figure 47: OTIS User Type Dialog Box



User Type Dialog Box Definitions

Table 26 on Page 118 describes the OTIS User Type dialog box- General tab fields and buttons.

Table 26: OTIS User Type Dialog Box - General Tab Definitions

Field/Button	Description
Name	A unique name identifying the User Type configuration. • The name is not case-sensitive • Minimum number of characters: 1 • Maximum number of characters: 100
Description	Optional. A description for the User Type 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
User Type Tab	
Elevator System	The name of the OTIS Elevator System. This field is read-only.
Add	Click this button to create a new row in the User Type 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 User Type table.
Personnel Group	Click the selection button ... to select the pre-configured personnel group. See the C•CURE 9000 Software Configuration Guide for information on creating personnel groups.
Standard	Standard- Indicates standard passenger type. Standard is the default TD.
TD04	Represents that the Personnel Group has Very Important Person (VIP)status. a Enable to designate this person as a Very Important Person (VIP for Otis Compass passenger allocation
TD08	Represents that the Personnel Group is susceptible to Vertigo or similar conditions.
TD10	Represents that Personnel Group is eligible for Split Group Operation (SGO).
TD20	Represents that the Personnel Group is susceptible to Vertigo 2 or similar conditions.
TD40	Represents that the Personnel Group is applicable for Cart Svc.
TD80	Represents that the Personnel Group is designated to CIM Override.

NOTE For Americans with Disabilities (ADA) status configuration refer to the *C•CURE 9000 Personnel Configuration Guide*.

User Type Dialog Box Tasks

This section describes the following tasks:

- Configuring a User Type on Page 119
- Editing a User Type Configuration on Page 119

- Viewing All User Type Configurations on Page 119
- Deleting a User Type Configuration on Page 119

Configuring a User Type

To Configure a User Type

1. Right-click the elevator system icon under the OTIS Elevator System folder in the Hardware tree and select **OTIS User Type>New**.

   The OTIS User Type dialog box opens.
2. Enter a name, of up to 100 characters, for the User Type in the **Name** field.
3. In the **User Type** tab, click the **Add** button.
4. Click in the blank row under **Personnel Group**, and then click the selection button  to select the Personnel Group.
5. Select the Personnel Group from the list.
6. Click in the check box to select the User Type for the Personnel Group.
7. Click **Save and Close** to save the configuration.

Editing a User Type Configuration

To Edit a User Type Configuration

1. Double-click the User Type configuration in the tree that you want to edit.

   Alternately, you can right-click the User Type 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 User Type Configurations

To View All User Type Configurations

1. Click the **Hardware** drop-down menu and select **OTIS User Type**.
2. Click the green right arrow  located to the right of the **Hardware** drop-down menu.

The OTIS User Type tab opens in the Dynamic View displaying a list of OTIS User Type configurations.

Deleting a User Type Configuration

To Delete a User Type Configuration

1. Right-click the User Type configuration that you want to delete and select **Delete** from the context menu.

   The Deleting OTIS User Type 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.

9

OTIS Events and Actions

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

In this chapter

OTIS Events 122
OTIS Actions and Target Objects 123
Configuring C•CURE Events for OTIS Actions 124

OTIS 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 OTIS Elevator Integration you can use an event to trigger event actions.

For more information, see the following:

- OTIS Actions and Target Objects on Page 123
- Configuring C•CURE Events for OTIS Actions on Page 124

OTIS 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 27 on Page 123 describes the OTIS action and target objects.

Table 27: OTIS Action and Target Objects

Action	Target Object	Description
Secure Landing	OTIS Landing	Select a Landing that you want to secure. This action inhibits the doors associated with the Landing. When a landing is secured, only people in an exemption (personnel) Group could access the landing.
Un-secure Landing	OTIS Landing	Select a Landing to you want to unsecure. When a landing is unsecured, anybody can access it.

Configuring C•CURE Events for OTIS Actions

The two OTIS 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 124
- Configuring the Un-secure Landing Event on Page 125

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 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 OTIS Landing entry field appears at the bottom of the dialog box.
11. Click the selection button  to select a pre-configured OTIS 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 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 the **Activate on Schedule** selection button  to open a selection box listing schedules.
17. Click 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 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 OTIS Landing entry field appears at the bottom of the dialog box.
11. Click the selection button ... to select a pre-configured OTIS 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 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 the **Activate on Schedule** selection button ... to open a selection box listing schedules.
17. Click a schedule to select it.
18. Click **Save and Close** to save the configuration.

10

Monitoring OTIS Elevator Activity

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

In this chapter

C•CURE 9000 Monitoring Station Activity Viewer 127
Canceling Manual Actions 128

C•CURE 9000 Monitoring Station Activity Viewer

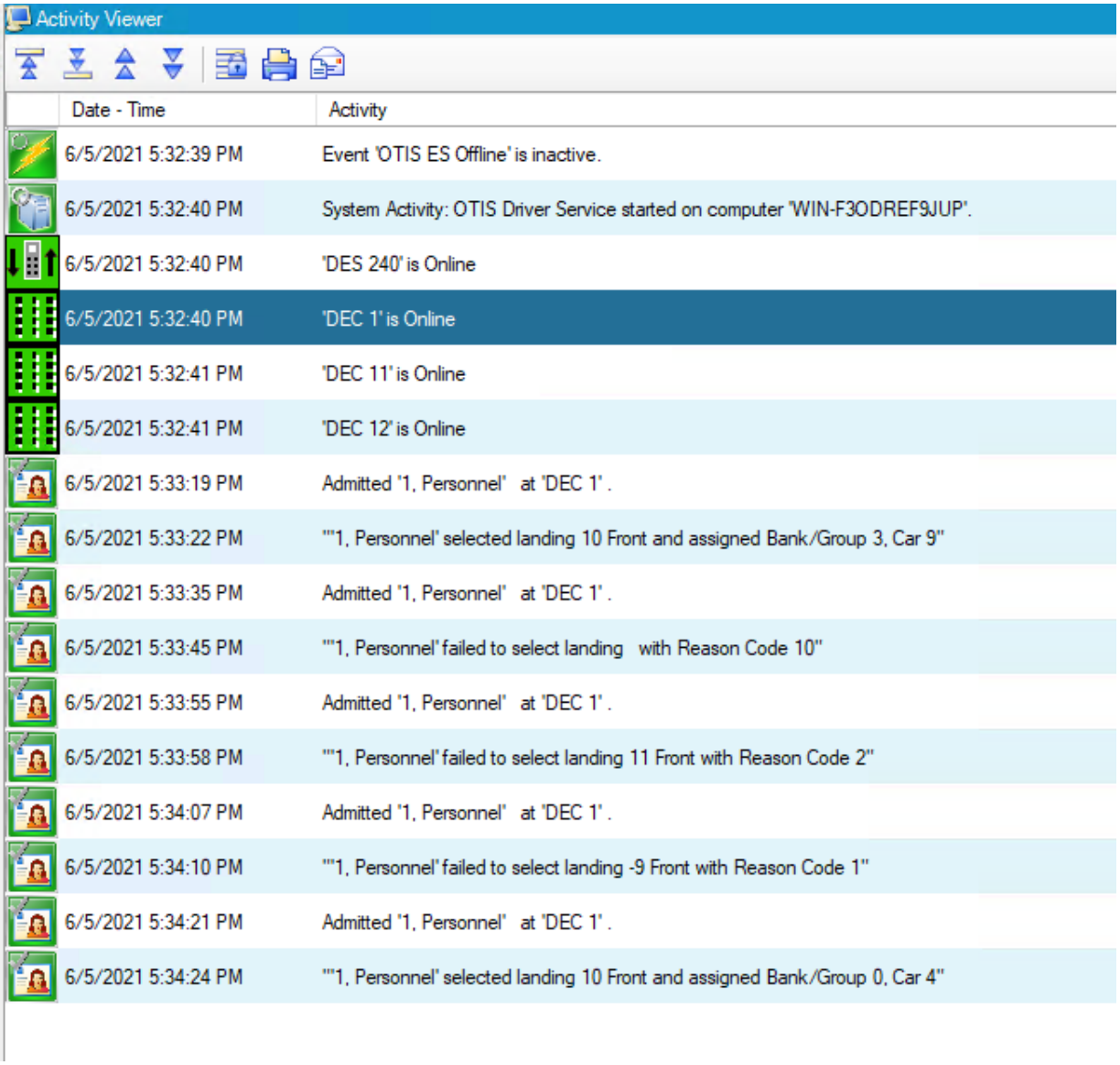
The C•CURE 9000 Monitoring Station Activity Viewer, shown in Figure 48 on Page 127, displays the OTIS access control activities.

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.

NOTE There is no journalling for Floor selection if the ICD version is 1.0.

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

Figure 48: Monitoring Station Activity Viewer



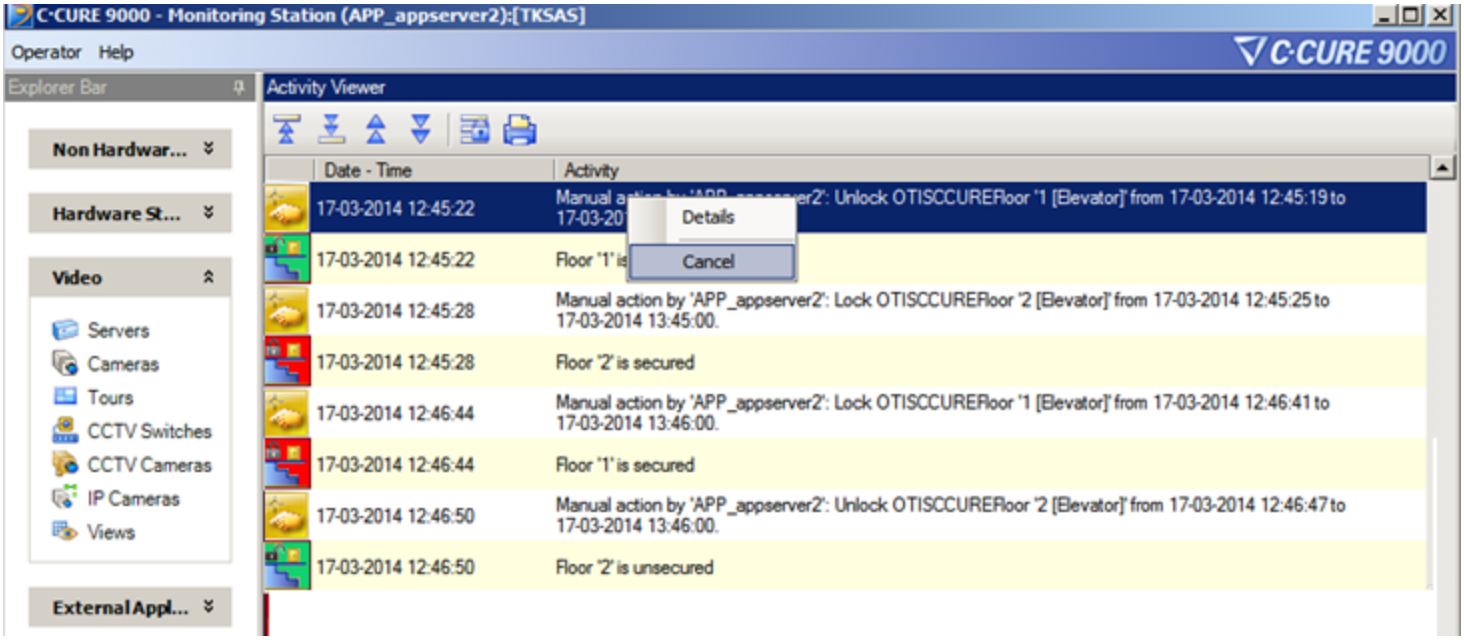
Canceling Manual Actions

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 49 on Page 128.

Figure 49: Monitoring Station Activity Viewer

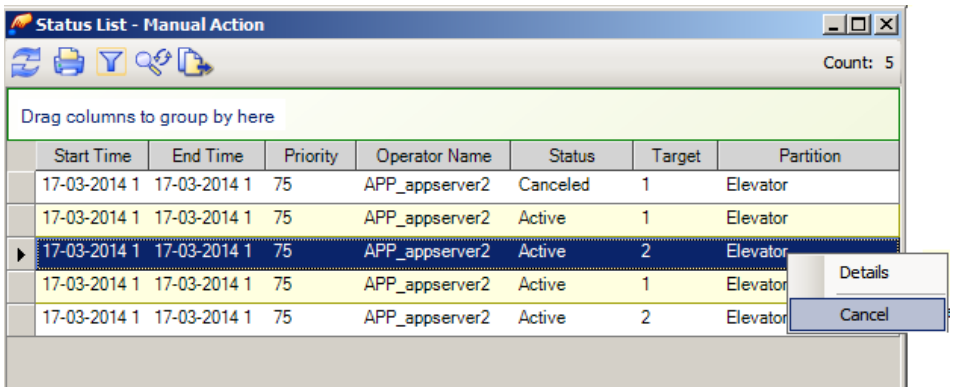


A list of all activities since the Monitoring Station was opened are displayed.

2. Under the **Explorer Bar** click **Non-Hardware Status**.
3. Under **Non-Hardware Status** click **Manual Actions**.

   The Status List - Manual Action dialog box opens displaying a list of manual actions and their current status.
4. Right-click the manual action in the dialog box that you want to cancel and select **Cancel** from the drop-down menu, as shown in on Page 128.

Figure 50: Canceling the Manual Action



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

11

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 131
Locating OTIS Objects in the Journal 133
Locating OTIS Audit Log Entries 134

Journal and Audit Log Messages

Table 28 on Page 131 lists the journal messages reported by the OTIS Elevator System to the C•CURE 9000 database.

All configuration changes to the OTIS Elevator System objects are recorded to the Audit Log.

Table 28: Journal Log Messages

Category	Object	State Changes	Message Description
Object Change State	Elevator System	Online	<*name of the Elevator System*>is Online
		Offline	<*name of the Elevator System*> is Offline
	DEC	Online	<*name of the DEC*>is Online
		Offline	<*name of the DEC*>is Offline
System Activity	Driver	Start	System Activity: OTIS Elevator Driver Service started on computer <*computer name*>
		Stop	System Activity: OTIS Elevator Driver Service stopped on computer <*computer name*>
Manual Actions	Landing	Secure	Manual action by <*Operator Name*> lock <OTIS CCUREFloor <*Landing Name*>from <Date Start time> to <Date End Time>
		Unsecure	Manual action by <*Operator Name*> unlock <OTIS CCUREFloor <*Landing Name*>from <Date Start time> to <Date End Time>
Floor Selection	Landing	NA	<Personnel Name> selected <Landing Name><Side>and assigned Bank/Group <No>, Car <No>
Missed Floor selection after valid Pin Code Entry/Card Swipe	Landing	NA	<Personnel Name> failed to select landing with Reason Code 10
Denied Floor Access	Landing	NA	<Personnel Name> failed to select <Landing Name><Side>with Reason Code <no>
Pin Code Entry/Card Swipe	Personnel	NA	<*Personnel Name*> is admitted at <*name of the DEC*>
Pin Code Entry/Card Swipe	Personnel	NA	Rejected (Disabled)<*Personnel Name*> at <*name of the DEC*>
Pin Code Entry/Card Swipe	Personnel	NA	Rejected (Clearance)<*Personnel Name*> at <*name of the DEC*>
Pin Code Entry/Card Swipe	Personnel	NA	Rejected (Card disabled) <*Personnel Name*>at <*name of the DEC*>
Card Swipe	Personnel	NA	Access Denied -Card Unknown <Hex Value> at <name of the DEC>

Category	Object	State Changes	Message Description
Pin Code Entry/Card Swipe	Personnel	NA	Rejected (Expired) <*Personnel Name*> at <*name of the DEC*>
Card Swipe	Personnel	NA	Rejected (Lost) <*Personnel Name*> at <*name of the DEC*>
Pin Code Entry/Card Swipe	Personnel	NA	Rejected (Stolen) <*Personnel Name*> at <*name of the DEC*>
Pin Code Entry	Personnel	NA	Unknown user pin entry occurred at <*name of the DEC*>

Locating OTIS Objects in the Journal

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

To Locate Journal Entries for an OTIS Elevator Object

1. Right click an OTIS 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 OTIS Elevator System object within the last 7 days.

2. Click **Run**.

   A Query - Journal for dialog box opens displaying the Journal Entries for the OTIS Elevator object.

Alternatively, you can click **Modify** to modify the query definition, adding or removing query parameters.

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

Locating OTIS Audit Log Entries

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

To Locate Audit Log Entries for OTIS Elevator Objects

1. Select **Options and Tools>Audit Log**.

   The Query parameters dialog box opens.

   By default the query searches in the Audit Log for occurrences of the selected object within the last 7 days.

2. Click **Run**.

   The Query - Audit Log opens displaying the Audit Log Entries for all OTIS Elevator objects.

Alternatively, you can click **Modify** to modify the query definition, adding or removing query parameters.

12

Troubleshooting

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

In this chapter

Troubleshooting 136

Troubleshooting

Problem	Manual action performed with same start and end time does not revert the action.
Solution	Cancel the Manuel Action manually. For information see, Canceling Manual Actions on Page 128.

Problem	Personnel details reported in monitoring station do not match the personnel details of the card presented at DEC.
Solution	Ensure card numbers are not duplicated. If two cards have the same number, change the number of one of the cards.
NOTE	This occurs when card formats share the same data length and both card formats have been assigned to the DEC.

A

Third-Party Copyright and Trademarks

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Microsoft Limited Public License Information

This software uses QueuedTaskedScheduler part of Microsoft Parallel Extensions Extra Library in assembly

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