

## **UNMS EMS module**

# ***Upper SNMP Setting Manual (Common)***

**U**NIFIED

**N**ETWORK

**M**ANAGEMENT

**S**YSTEM

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**NEC Corporation**

7-1, Shiba 5-Chome, Minato-Ku, Tokyo 108-8001, Japan



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Illustrations of hardware and screen samples given in this manual may look different if the delivered equipment and software have been revised for the improvement purpose.

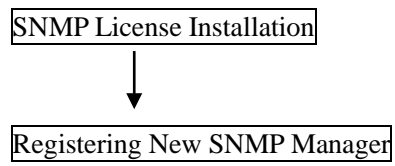
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Printed in Japan

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**1. Sequence for Adding Upper SNMP Interface to UNMS EMS module**



## 2. SNMP License Installation

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### NOTE

**The Upper SNMP Interface will be enabled with an import license when you install UNMS EMS module software or activate it during UNMS EMS module operation.**

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### 3. Registering New SNMP Manager

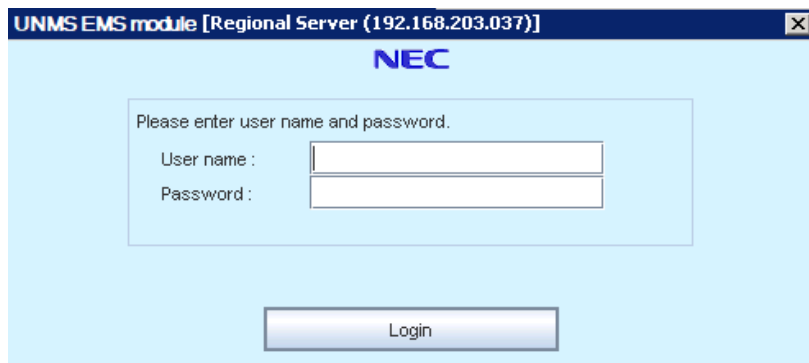
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#### NOTE:

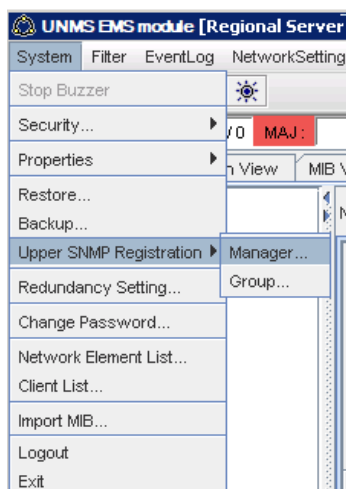
Although the Windows screen is shown in this manual, the screen content and setting up procedures are essentially the same for other OS as well.

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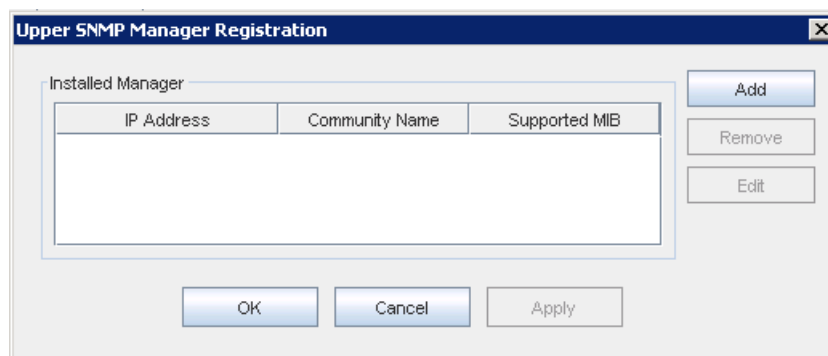
- (1) At first, login to UNMS EMS module.



- (2) Click **System** → **Upper SNMP Registration** → **Manager** in the UNMS EMS module main menu. The **Upper SNMP Manager Registration** window will appear.



- (3) Click **Add** to register the **IP Address**, **Community Name** and Supported MIB for Upper SNMP Manager.



- (4) Enter the **IP Address** and **Community Name** for Upper SNMP Manager. If Upper SNMP Manager is supporting IPv4/IPv6 MIB, check the check box of **Use IPv4/IPv6**. And then Click **[OK]**.

**Upper SNMP - Add**

IP Address : 192.168.203.110

Community Name : public

☐ Use IPv4/v6 MIB

OK Cancel

**Upper SNMP Manager Registration**

IP Address	Community Name	Supported MIB
192.168.203.110	public	IPv4 MIB

OK Cancel Apply

Ex. In case of Upper SNMP Manager supporting IPv4/IPv6.

**Upper SNMP - Add**

IP Address : fd00:aaaa:bbbb::ac12:10

Community Name : general

☒ Use IPv4/v6 MIB

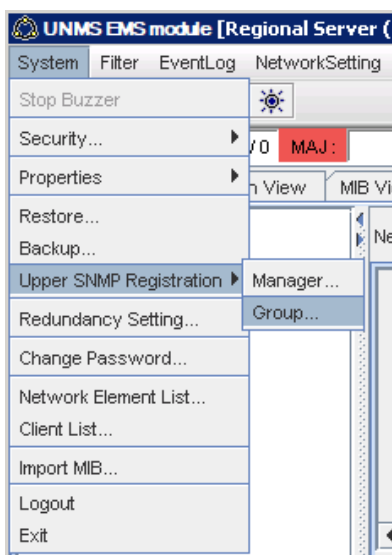
OK Cancel

**Upper SNMP Manager Registration**

IP Address	Community Name	Supported MIB
192.168.203.110	public	IPv4 MIB
fd00:aaaa:bbbb::ac12:10	general	IPv4/v6 MIB

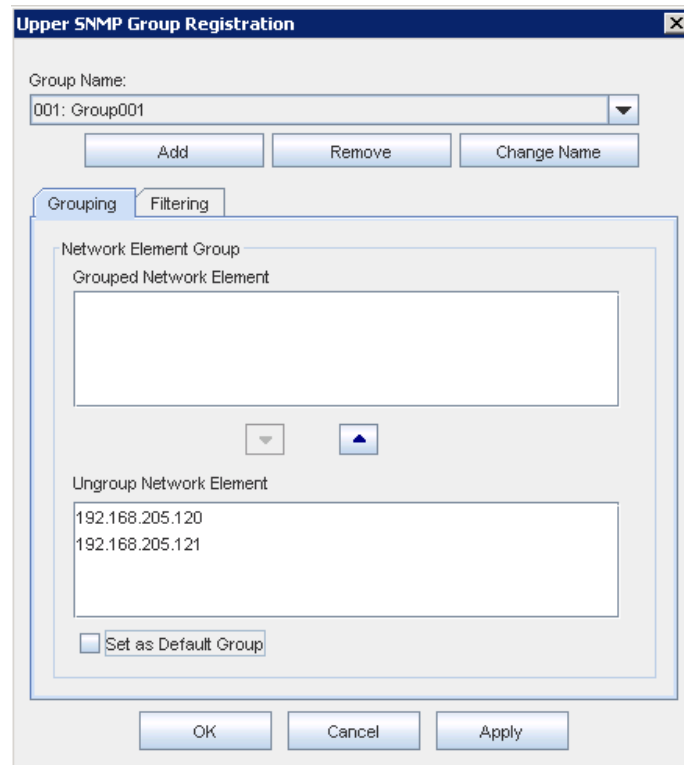
OK Cancel Apply

- (5) Click **System** → **Upper SNMP Registration** → **Group** in the UNMS EMS module main menu. The **Upper SNMP (Group) Registration** window will appear.

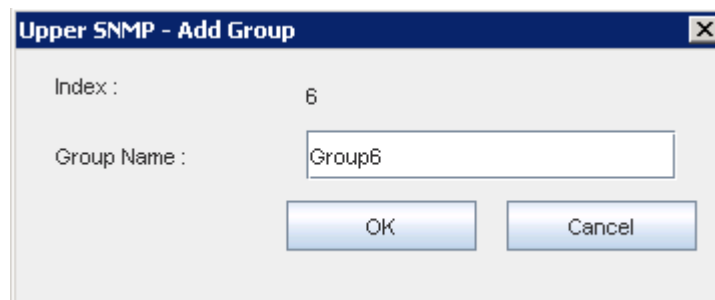




- (6) It is necessary to register all network elements as a group, Click **Add** to register the group. The default setting is five groups



- (7) Enter the **Group Name** and click [OK]. It is necessary to register the new group when using an existing group.



- (8) Select the desired network elements for the group shown in the *Group Name* field.

Upper SNMP Group Registration

Group Name:  
001: Group001

Add Remove Change Name

Grouping Filtering

Network Element Group

Grouped Network Element

Ungroup Network Element

192.168.205.120  
192.168.205.121

☐ Set as Default Group

OK Cancel Apply

- (9) Click the Up-arrow button to transfer the selected network elements from the *Ungroup Network Element* field to the *Grouped Network Element* field.

Upper SNMP Group Registration

Group Name:  
001: Group001

Add Remove Change Name

Grouping Filtering

Network Element Group

Grouped Network Element

192.168.205.121

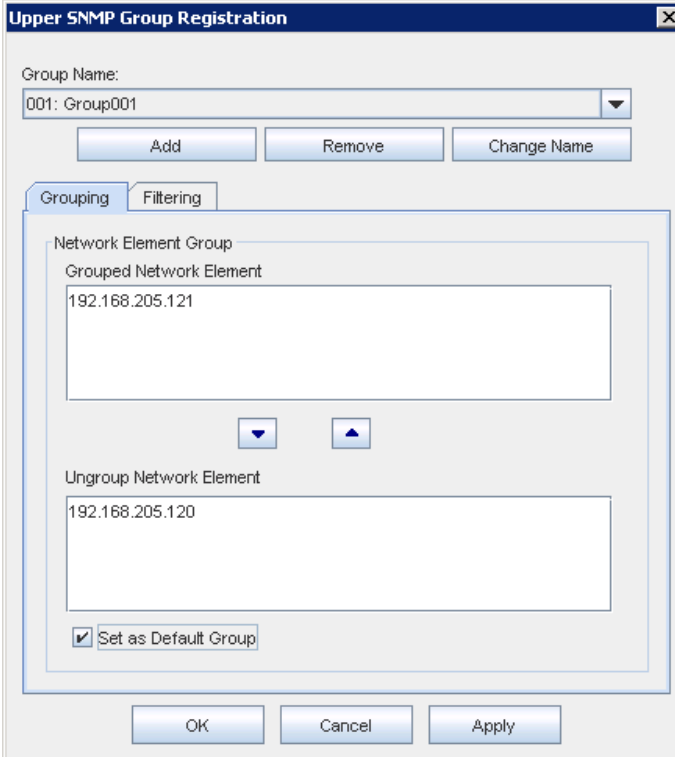
Ungroup Network Element

192.168.205.120

☐ Set as Default Group

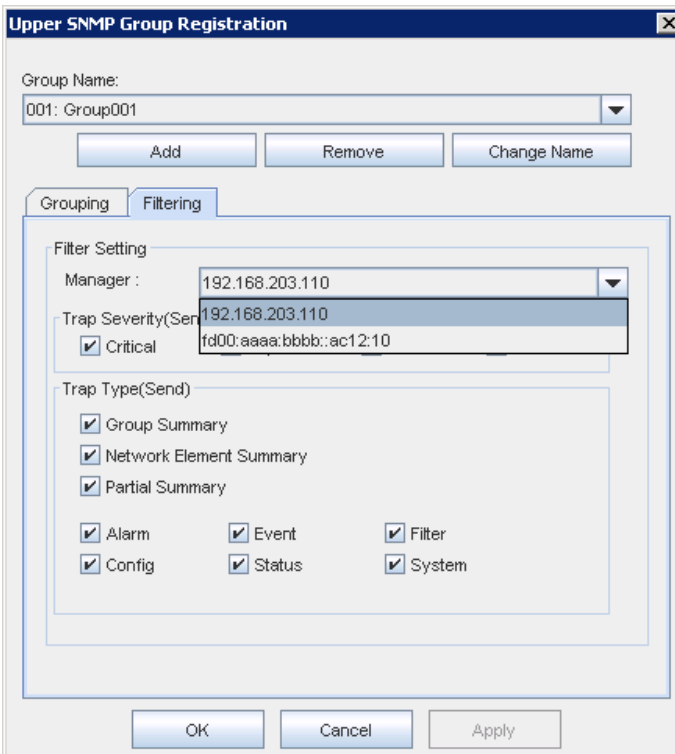
OK Cancel Apply

- (10) To setup the group currently displayed as the default registration destination for new NEs being added at the time network is updated (which is when Update Network Configuration/Auto-discovery - Find NE/Auto-discovery - Newly Connected NE is executed), check Default Group.



The dialog box is titled "Upper SNMP Group Registration". It has a "Group Name:" dropdown menu showing "001: Group001". Below it are "Add", "Remove", and "Change Name" buttons. The "Grouping" tab is selected, showing a "Network Element Group" section with a "Grouped Network Element" text box containing "192.168.205.121". Below this are up and down arrow buttons. The "Ungroup Network Element" section has a text box containing "192.168.205.120". At the bottom of the grouping section is a checkbox labeled "Set as Default Group" which is checked. At the very bottom are "OK", "Cancel", and "Apply" buttons.

- (11) Click the *Filtering* tab and select IP address of Upper SNMP Manager from Manager. And check the appropriate items. Then Click [OK] or [Apply].



The dialog box is titled "Upper SNMP Group Registration". It has a "Group Name:" dropdown menu showing "001: Group001". Below it are "Add", "Remove", and "Change Name" buttons. The "Filtering" tab is selected, showing a "Filter Setting" section. The "Manager:" dropdown menu shows "192.168.203.110" and is open, displaying a list of IP addresses: "192.168.203.110" (highlighted), "fd00:aaaa:bbbb::ac12:10", and "fd00:aaaa:bbbb::ac12:10". The "Trap Severity(Send)" section has a checkbox for "Critical" which is checked. The "Trap Type(Send)" section has several checkboxes: "Group Summary", "Network Element Summary", "Partial Summary", "Alarm", "Event", "Filter", "Config", "Status", and "System", all of which are checked. At the bottom are "OK", "Cancel", and "Apply" buttons.

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**NOTE**

**Trap status information will become available for the checked items.**

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## Appendix.A: Change the Upper MIB for Agent Address

This chapter shows how to change the agent address of Upper MIB from IP address of equipment to IP address of UNMS EMS module.

1. Stop UNMS EMS module.
2. Edit the <UNMS EMS module Install Directory>\conf\Upper.pdt file.

(Before)

[UPPER]

TrapMode=0

MibType=0

(After)

[UPPER]

**TrapMode=1**

MibType=0

3. Execute UNMS EMS module.