

**Intelligent Transportation Systems**

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## CTMS/CTIS

### UC CTMS 5.40 - Remove DMS

Version 1.3

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CTMS/CTIS	Version: 1.3
UC CTMS 5.40 - Remove DMS	Date: April 19, 2005

## Revision History

Date	Version	Description	Author
April 20, 2004	1.0	Initial Version	Raj Chaudhuri
July 26, 2004	1.1	Updated abstract. DMS is not deleted instead set to Offline. Updated Flow (removed Skyline API info). Added Basic Flow	Raj Chaudhuri
November 24, 2004	1.2	Added display of error message. Changed Yes and No to 'OK' and 'Cancel'	Nancie Fay
December 21, 2004	1.3	Changed to flow to indicate that the Admin must select a DMS before the system enables the Remove menu option.	Nancie Fay
January 17, 2005	1.3	Removed all references to alarms and UC Add alarm	Nancie Fay

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## UC CTMS 5.40 - Remove DMS

### 1. Use Case

#### 1.1 Abstract

An Administrator or Maintenance can remove a DMS from the system. The DMSs status is set to Offline. It is not physically deleted from the system.

#### 1.2 Actor(s)

Actor	Description
Administrator	The System Administrator for the Colorado Transportation Management Center (CTMC)
Maintenance	The Maintenance person on duty at the Colorado Transportation Management Center (CTMC)

### 2. Flow of Events

#### 2.1 Basic Flow

1. The system determines that the logged in user is either Maintenance or an Administrator (referred to as admin from here on in this UC)
2. Admin selects a DMS.
3. System enables Remove in the Manage > Sign Menu (refer to Manage DMS and Navigate Desktop for details).
4. The system verifies the DMS selected belongs to the Admin's Security Group.
5. The system prompts the admin to confirm the delete. The system displays the following text: "Are you sure you want to Remove this DMS [Device ID – Device Common Name here]. This DMS will be set to 'Offline'. To re-enable it, go to the Configure Menu, Detail Tab and click the 'Bring Online' checkbox to bring this DMS back 'Online'." The system presents the following buttons: OK and Cancel
6. The admin clicks on OK
7. The system sets the DMS's status to 'Offline'
8. The system logs this event. It passes the following elements to UC Log User Activity: Task Name (Remove DMS), Time (current time), Owner (logged in user), ID (DMS Device ID), Device Type (DMS Device Type), Message Text (Message Text), Username (blank), Instruction ID (blank), Notes (blank) (refer to UC Log User Activity for details).
9. The system returns the admin to the desktop (see pre-condition).

#### 2.2 Alternate Flow

1. The system determines that the logged in user is either Maintenance or an Administrator (referred to as Admin from here on in this UC).
2. Admin selects a DMS.
3. System enables Remove in the Manage > Sign Menu (refer to Manage DMS and Navigate Desktop for details).
  - 3.1. The Admin right clicks on a DMS.
  - 3.2. The system enables Remove in the context sensitive menu for the DMS Sign.
  - 3.3. Admin selects Remove.
4. The system verifies the DMS selected belongs to the Admin's Security Group.
  - 4.1. In the event DMS does not belong to the Admin's Security Group, the system

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- displays the following message: “The following DMS does not belong to your Security Group – [ Device ID – Device Common Name ] and this task cannot be performed on it”
- 4.2. The system present a button ‘OK’ to acknowledge this message
  - 4.3. The Admin clicks on OK
  - 4.4. Go to end
  5. The system prompts the admin to confirm the delete. The system displays the following text: “Are you sure you want to Remove this DMS [Device ID – Device Common Name here]. This DMS will be set to ‘Offline’. To re-enable it, go to the Configure Menu, Detail Tab and click the ‘Bring Online’ checkbox to bring this DMS back ‘Online’.” The system presents the following buttons: OK and Cancel
  6. The admin clicks on OK
    - 6.1. The admin clicks on Cancel.
    - 6.2. Go to end.
  7. The system sets the DMS’s status to ‘Offline’.
    - 7.1. In the event there is an error generated when trying to set the status, the system logs this event with the additional data that this task was not successful.
    - 7.2. The state of the device is set to ‘FAILED’.
    - 7.3. The database and statuses are updated appropriately (see above).
    - 7.4. The system will notify the user that this task failed. The system provides a button to acknowledge the error (OK).
    - 7.5. The user clicks OK.
    - 7.6. The system closes the window.
      - 7.6.1. In the event the instruction does not return within the timeout period, the system logs this event with the additional data that this task was not successful.
      - 7.6.2. The state of the device is set to ‘FAILED’.
      - 7.6.3. The system will notify the user that this task failed. The system provides a button to acknowledge the error (OK).
      - 7.6.4. The user clicks OK.
      - 7.6.5. The system closes the window.
  8. The system logs this event. It passes the following elements to UC Log User Activity: Task Name (Remove DMS), Time (current time), Owner (logged in user), ID (DMS Device ID), Device Type (DMS Device Type), Message Text (Message Text), Username (blank), Instruction ID (blank), Notes (blank) (refer to UC Log User Activity for details).
  9. The system returns the admin to the desktop (see pre-condition).

### 3. Special Requirements

### 4. Assumptions

### 5. Pre-Conditions

UC CTMS 2.00 – Navigate Desktop  
 UC CTMS 5.00 – Manage DMS

### 6. Post-Conditions

A DMS status is set to ‘Offline’

### 7. Extension Points

UC CTMS 8.10 – Log User Activity

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**8. Issues / Constraints / Questions**

**9. Data Elements**

Refer to UC Configure DMS

Name	Description	Validation	Example