

Intelligent Transportation Systems

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CTMS/CTIS

UC CTMS 3.00 - Control DMS

Version 1.2

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CTMS/CTIS	Version: 1.2
UC CTMS 3.00 - Control DMS	Date: April 19, 2005

Revision History

Date	Version	Description	Author
March 26, 2004	1.0	Initial Version	Raj Chaudhuri
April 12, 2004	1.0	Updated text in actors table	Raj Chaudhuri
April 29, 2004	1.0	Added Bookmarks (Name, Abstract)	Raj Chaudhuri
June 21, 2004	1.1	Added UC Test DMS pixels. Added special requirement clarifying Security Group	Raj Chaudhuri
June 29, 2004	1.1	Updated abstract	Raj Chaudhuri
July 8, 2004	1.2	Removed flows. Refer to UC Find DMS for flows instead (no need to duplicate it here)	Raj Chaudhuri

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1. Use Case

1.1 Abstract

This is the base UC that provides access to View DMS, Add Message to one or more DMSs, Adjust Brightness, Clear DMS Message to one or more DMSs, Poll DMSs, and Test DMS Pixels

1.2 Actor(s)

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

2. Flow of Events

2.1 Basic Flow

1. The operator is logged in and has accessed the desktop
2. Refer to UC Find DMS for details regarding how an Operator is able to get to View DMSs, Sign Status, Poll Sign, Test DMS Pixels, Adjust Brightness, Activate Message, and Clear Sign from here

2.2 Alternate Flow

1. Refer to Basic Flow

3. Special Requirements

1. The logged in user (Operator, Maintenance or Administrator) must belong to the Security Group of the device (or the device belongs to a group that is a child of the parent Security Group) in order to be able to Control a DMS. This only applies to the following: Add Message to one or more DMSs, Adjust Brightness, and Clear DMS Message (everyone can Poll, View Status)

4. Assumptions

5. Pre-Conditions

UC CTMS 2.00 – Navigate Desktop
UC CTMS 2.10 – Find DMS
UC CTMS 3.15 – View DMSs

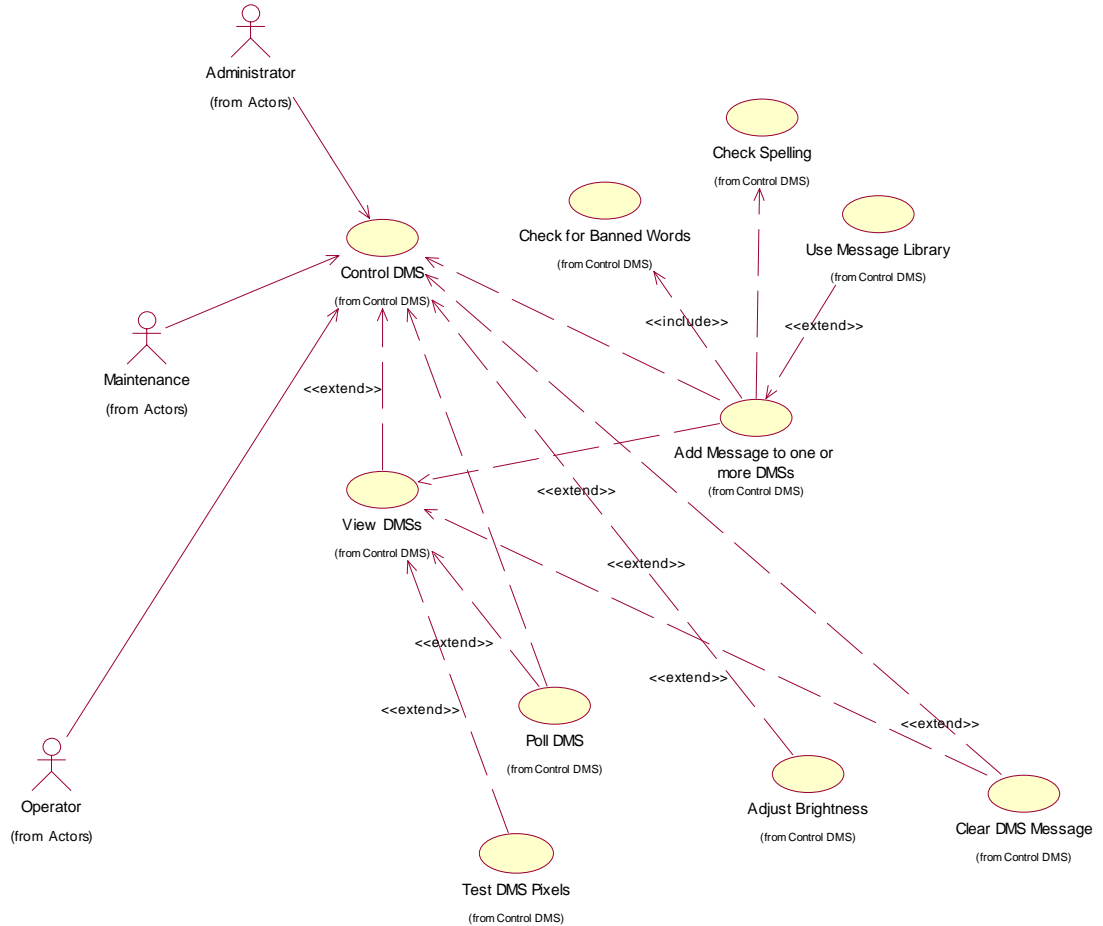
6. Post-Conditions

7. Extension Points

UC CTMS 3.15 – View DMSs
UC CTMS 3.20 – Add Message to one or more DMSs

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- UC CTMS 3.30 – Adjust Brightness
- UC CTMS 3.40 – Clear DMS Message
- UC CTMS 3.50 – Poll DMSs
- UC CTMS 3.51 – Test DMS Pixels (from Poll DMS)



8. Issues / Constraints / Questions

9. Data Elements

Name	Description	Validation	Example