
DMS Test Procedure

Developed by



for

Oregon Department of Transportation

and based on previous work by

ENTERPRISE, Virginia DOT, and Iteris, Inc.

Session Name *General*

Trial Nam Set-Up

Step	Action	Notes
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- 1 Record the values used for the following:
 - a
 - anaport
 - b
 - bits
 - c.d
 - char
 - dates
 - day plan
 - days
 - digiport
 - e.f
 - FlashMsg
 - FlashOn
 - FlashOff
 - font
 - LineJustMsg
 - LocalTimeZone
 - months
 - Msg
 - PageMsg
 - PageJustMsg
 - PageTimeMsg
 - pt
 - pto
 - ShortPowerLoss
 - TEST MESSAGE 1
 - TEST MESSAGE 2
 - TEST MESSAGE 3
 - time1
 - time2
 - time3
 - width
 - x
 - y
- 2 Prepapre the test environment.
- 3 Prepare the initialization files.
- 4 Start the Exerciser in central mode.
- 5 Send unnumbered polls until no response is received or an empty frame is received

Pass

Fail **Signature** _____ **Date** _____

Session Name *Sign Configuration*

Trial Nam Sign Configuration and Compatibility Conformance

Step	Action	Notes
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- 1 Send an SNMP 'get-request' for:
 - dmsSignType.0
 - dmsBeaconType.0
-
-

2 Verify that the value received is adequate for the type of sign that is being tested

Pass

Fail

Signature _____

Date _____

Session Name *GUI Appearance*

Trial Nam GUI Appearance Configuration

Step	Action	Notes
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1 Send an SNMP 'get-request' for:

dmsSignAccess.0
dmsSignHeight.0
dmsSignWidth.0
dmsHorizontalBorder.0
dmsVerticalBorder.0
dmsLegend.0
dmsSignTechnology.0

2 Verify that the values received are adequate for the type of sign that is being teste

Pass

Fail

Signature _____

Date _____

Session Name *VMS Configuration*

Trial Nam VMS Configuration

Step	Action	Notes
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1 Send an SNMP 'get-request' for

vmsCharacterHeightPixels.0
vmsCharacterWidthPixels.0
vmsSignHeightPixels.0
vmsSignWidthPixels.0
vmsHorizontalPitch.0
vmsVerticalPitch.0

2 Verify that these values are in accordance with agency specifications regarding sig dimensions measured in pixels and horizontal and vertical pitch.

Pass

Fail

Signature _____

Date _____

Session Name *Message Table*

Trial Nam Get Table Configuration

Step	Action	Notes
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1 Send an SNMP 'get-request' for

dmsNumPermanentMsg.0
dmsNumChangeableMsg.0
dmsMaxChangeableMsg.0
dmsFreeChangeableMemory.0
dmsNumVolatileMsg.0
dmsMaxVolatileMsg.0
dmsFreeVolatileMemory.0

2 Verify that the values received are in accordance with agency specifications

Pass

Fail

Signature _____ Date _____

Trial Nam Get Permanent Message #1

Step	Action	Notes
1	Send an SNMP 'get-request' for dmsMessageMemoryType.2.1 dmsMessageNumber.2.1 dmsMessageMultiString.2.1 dmsMessageOwner.2.1 dmsMessageCRC.2.1 dmsMessageBeacon.2.1 dmsMessagePixelService.2.1 dmsMessageRunTimePriority.2.1 dmsMessageStatus.2.1	

2 Verify that the values are appropriate.

Pass

Fail

Signature _____ Date _____

Trial Nam Store Changeable Message #1

Step	Action	Notes
1	Send an SNMP 'get-request' for dmsMessageMemoryType.3.1 dmsMessageNumber.3.1 dmsMessageMultiString.3.1 dmsMessageOwner.3.1 dmsMessageCRC.3.1 dmsMessageBeacon.3.1 dmsMessagePixelService.3.1 dmsMessageRunTimePriority.3.1 dmsMessageStatus.3.1	

2 Verify that the values are appropriate.

3 Run the set-msg.scr macro. And enter the following at the prompts:

MultiString = " " (I.e., a single space)

Number = 3.1

Priority = 2

4 Ensure that there are no errors reported.

Pass

Fail

Signature _____ Date _____

Trial Nam Store Changeable Message A

Step	Action	Notes
1	Send an SNMP 'get-request' for dmsMessageMemoryType.3.a dmsMessageNumber.3.a dmsMessageMultiString.3.a dmsMessageOwner.3.a dmsMessageCRC.3.a dmsMessageBeacon.3.a dmsMessagePixelService.3.a	

dmsMessageRunTimePriority.3.a
dmsMessageStatus.3.a

- 2 Verify that the values are appropriate.
- 3 Run the set-msg.scr macro. And enter the following at the prompts:
MultiString = TEST MESSAGE 1
Number = 3.a
Priority = 100
- 4 Ensure that there are no errors reported.
- 5 Send an SNMP 'get-request' for:
dmsMessageCRC.3.a
- 6 Ensure that the CRC value has a positive value.

Pass

Fail

Signature _____ Date _____

Trial Nam Store Changeable Message B

Step	Action	Notes
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- 1 Send an SNMP 'get-request' for
dmsMessageMemoryType.3.b
dmsMessageNumber.3.b
dmsMessageMultiString.3.b
dmsMessageOwner.3.b
dmsMessageCRC.3.b
dmsMessageBeacon.3.b
dmsMessagePixelService.3.b
dmsMessageRunTimePriority.3.b
dmsMessageStatus.3.b
- 2 Verify that the values are appropriate.
- 3 Run the set-msg.scr macro. And enter the following at the prompts:
MultiString = TEST MESSAGE 2
Number = 3.b
Priority = 200
- 4 Ensure that there are no errors reported.

Pass

Fail

Signature _____ Date _____

Trial Nam Store Volatile Message #1

Step	Action	Notes
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- 1 Send an SNMP 'get-request' for
dmsMessageMemoryType.4.1
dmsMessageNumber.4.1
dmsMessageMultiString.4.1
dmsMessageOwner.4.1
dmsMessageCRC.4.1
dmsMessageBeacon.4.1
dmsMessagePixelService.4.1
dmsMessageRunTimePriority.4.1
dmsMessageStatus.4.1
- 2 Verify that the values are appropriate.

- 3 Run the set-msg.scr macro. And enter the following at the prompts:
 MultiString = " " (I.e., a single space)
 Number = 4.1
 Priority = 2

- 4 Ensure that there are no errors reported.

Pass

Fail

Signature _____ Date _____

Trial Nam Store Volatile Message X

Step	Action	Notes
------	--------	-------

- 1 Send an SNMP 'get-request' for
 dmsMessageMemoryType.4.x
 dmsMessageNumber.4.x
 dmsMessageMultiString.4.x
 dmsMessageOwner.4.x
 dmsMessageCRC.4.x
 dmsMessageBeacon.4.x
 dmsMessagePixelService.4.x
 dmsMessageRunTimePriority.4.x
 dmsMessageStatus.4.x

- 2 Verify that the values are appropriate.

- 3 Run the set-msg.scr macro. And enter the following at the prompts:
 MultiString = TEST MESSAGE 1
 Number = 4.x
 Priority = 100

- 4 Ensure that there are no errors reported.

- 5 Send an SNMP 'get-request' for:
 dmsMessageCRC.4.x

- 6 Ensure that the CRC value has a positive value.

Pass

Fail

Signature _____ Date _____

Trial Nam Store Volatile Message Y

Step	Action	Notes
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- 1 Send an SNMP 'get-request' for
 dmsMessageMemoryType.4.y
 dmsMessageNumber.4.y
 dmsMessageMultiString.4.y
 dmsMessageOwner.4.y
 dmsMessageCRC.4.y
 dmsMessageBeacon.4.y
 dmsMessagePixelService.4.y
 dmsMessageRunTimePriority.4.y
 dmsMessageStatus.4.y

- 2 Verify that the values are appropriate.

- 3 Run the set-msg.scr macro. And enter the following at the prompts:
 MultiString = TEST MESSAGE 2
 Number = 4.y
 Priority = 200

4 Ensure that there are no errors reported.

Pass

Fail

Signature _____

Date _____

Trial Nam Store Message with MULTI Error and Get Error Cod

Step	Action	Notes
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- 1 Send an SNMP 'get-request' for
dmsMessageMemoryType.c.d
dmsMessageNumber.c.d
dmsMessageMultiString.c.d
dmsMessageOwner.c.d
dmsMessageCRC.c.d
dmsMessageBeacon.c.d
dmsMessagePixelService.c.d
dmsMessageRunTimePriority.c.d
dmsMessageStatus.c.d
- 2 Verify that the values are appropriate.
- 3 Run the set-msg.scr macro. And enter the following at the prompts:
MultiString = TEST MESSAGE 3
Number = c.d
Priority = 100
- 4 Ensure that the macro displays prompt indicating that there was an error.
- 5 Send a SNMP 'get-request' for the following object:
dmsValidateMessageError.0
- 6 Verify that the value received for the dmsValidateMessageError.0 is a "5"
(syntaxMULTI).

Pass

Fail

Signature _____

Date _____

Session Name *Sign Control*

Trial Nam Display Permanent Message #1

Step	Action	Notes
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- 1 Run DMS.exe and set the values as follows:
Duration = 2.
ActivatePriority = 255.
MessageMemoryType = 2
MessageNumber = 1
dmsMessageMultiString = value received during Session 5, Trial 2, Step 1
- 2 Select the Copy button in the DMS.exe window.
- 3 Send an SNMP 'set-request' for:
dmsActivateMessage.0 = hexadecimal string copied from the DMS.exe applicati
- 4 Verify that the message is displayed
- 5 Verify that the response indicated a noError and record the time that the response received.
- 6 Send an SNMP 'get-request' for
dmsActivateMsgError.0

- 7 Verify that the value received is a 2 (none)
- 8 Verify that the sign reverts to the default display (typically blank) at the end of t minute duration (the previously recored time can be used as an estimate of the st:

Pass

Fail **Signature** _____ **Date** _____

Trial Nam Display Changeable Message A

Step	Action	Notes
------	--------	-------

- | | | |
|---|--|--|
| 1 | Run DMS.exe and set the values as follows:
Duration = 2.
ActivatePriority = 255.
MessageMemoryType = 3
MessageNumber = a
dmsMessageMultiString = TEST MESSAGE 1 | |
| 2 | Select the Copy button in the DMS.exe window. | |
| 3 | Send an SNMP 'set-request' for:
dmsActivateMessage.0 = hexadecimal string copied from the DMS.exe applicati | |
| 4 | Verify that the message is displayed | |
| 5 | Verify that the response indicates noError and record the time. | |
| 6 | Send an SNMP 'get-request' for
dmsActivateMsgError.0 | |
| 7 | Verify that the value received is a 2 (none) | |
| 8 | Verify that the sign reverts to the default display (typically blank) at the end of t minute duration (the previously recored time can be used as an estimate of the st: | |

Pass

Fail **Signature** _____ **Date** _____

Trial Nam Display Volatile Message X

Step	Action	Notes
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- | | | |
|---|---|--|
| 1 | Run DMS.exe and set the values as follows:
Duration = 2.
ActivatePriority = 255.
MessageMemoryType = 4
MessageNumber = x
dmsMessageMultiString = TEST MESSAGE 1 (from Trial 1) | |
| 2 | Select the Copy button in the DMS.exe window. | |
| 3 | Send an SNMP 'set-request' for:
dmsActivateMessage.0 = hexadecimal string copied from the DMS.exe applicati | |
| 4 | Verify that the message is displayed. | |
| 5 | Verify that the response indicates noError and record the time. | |
| 6 | Send an SNMP 'get-request' for
dmsActivateMsgError.0 | |

- 7 Verify that the value received is a 2 (none)
- 8 Verify that the sign reverts to the default display (typically blank) at the end of t minute duration (the previously recored time can be used as an estimate of the st:

Pass

Fail

Signature _____

Date _____

Trial Nam Blank the display

Step	Action	Notes
------	--------	-------

- | | | |
|---|--|--|
| 1 | Run DMS.exe and set the values as follows:
Duration = 2.
ActivatePriority = 255.
MessageMemoryType = 3
MessageNumber = a
dmsMessageMultiString = TEST MESSAGE 1 | |
| 2 | Select the Copy button in the DMS.exe window. | |
| 3 | Send an SNMP 'set-request' for:
dmsActivateMessage.0 = hexadecimal string copied from the DMS.exe applicati | |
| 4 | Verify that the message is displayed | |
| 5 | Verify that the response indicates noError and record the time. | |
| 6 | Send an SNMP 'set-request' for:
dmsActivateMessage.0 = (hex)
FF FF FF 07 00 FF 00 00 C0 A8 01 65 | |
| 7 | Verify that the sign blanked the display. | |

Pass

Fail

Signature _____

Date _____

Trial Nam Activate an Undefined Message

Step	Action	Notes
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- | | | |
|---|---|--|
| 1 | Run DMS.exe and set the values as follows:
Duration = 2.
ActivatePriority = 255.
MessageMemoryType = e
MessageNumber = f
dmsMessageMultiString = TEST MESSAGE 1 (from Trial 1) | |
| 2 | Select the Copy button in the DMS.exe window. | |
| 3 | Send an SNMP 'set-request' for:
dmsActivateMessage.0 = hexadecimal string copied from the DMS.exe applicati | |
| 4 | Verify that the message is not displayed | |
| 5 | Verify that the response indicated a genErr. | |
| 6 | Send an SNMP 'get-request' for
dmsActivateMsgError.0 | |
| 7 | Verify that the value received is a 6 (messageNumber) | |

Pass

Fail

Signature _____

Date _____

Trial Name Activate a Message with CRC set to 0x0000

Step	Action	Notes
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- 1 Run DMS.exe and set the values as follows:
Duration to 2.
ActivatePriority to 255.
MessageMemoryType = 3 (or 4)
MessageNumber = a (or x)
dmsMessageMultiString = TEST MESSAGE 1
- 2 Press the Copy button of the DMS program
- 3 Send an SNMP 'set-request' as follows:
dmsActivateMessage.0 = Hexadecimal string copied from DMS.exe application 1
change the CRC (7th and 8th bytes in the string) to 0x0000.
- 4 Verify that the text is not displayed
- 5 Verify that the device responds with a genErr.
- 6 Send an SNMP 'get-request' for
dmsActivateMsgError.0
- 7 Verify that the dmsActivateMsgError.0 Object indicates a "7" (message CRC).

Pass

Fail

Signature _____

Date _____

Trial Name Activate a Message with Invalid CRC

Step	Action	Notes
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- 1 Run DMS.exe and set the values as follows:
Duration = 2.
ActivatePriority= 255.
MessageMemoryType = 3 (or 4)
MessageNumber = a (or x)
dmsMessageMultiString = TEST MESSAGE 1
- 2 Press the Copy button of the DMS program
- 3 Send an SNMP 'set-request' as follows:
dmsActivateMessage.0 = Hexadecimal string copied from the DMS.exe applicati
change the CRC (7th and 8th bytes in the string) to a value other than what it is
but not 0x0000.
- 4 Verify that the text is not displayed
- 5 Verify that the device responds with a genErr.
- 6 Send an SNMP 'get-request' for
dmsActivateMsgError.0
- 7 Verify that the dmsActivateMsgError.0 Object indicates a "7" (message CRC).

Pass

Fail

Signature _____

Date _____

Trial Nam Control Mode

Step	Action	Notes
1	Send a SNMP 'get-request' for dmsControlMode.0	
2	Verify that the dmsControlMode.0 Object indicates the value of "4" (central).	
	<input type="checkbox"/> Pass	
	<input type="checkbox"/> Fail	Signature _____ Date _____

Trial Nam Software Reset

Step	Action	Notes
1	Send a SNMP 'set-request' as follows dmsSWReset.0 = 1	
2	Verify that the sign controller resets itself.	
3	Send a SNMP 'get-request' for dmsSWReset.0	
4	Verify that the value received for the dmsSWReset Object is 0.	
5	Repeat Trials 3-8 from Session 5 as needed in order to ensure that all messages ar properly set in the controller's memory.	
	<input type="checkbox"/> Pass	
	<input type="checkbox"/> Fail	Signature _____ Date _____

Trial Nam Get Message Meta-data

Step	Action	Notes
1	Run DMS.exe and set the values as follows: Duration = 2. ActivatePriority = 255. MessageMemoryType = 3 MessageNumber = a dmsMessageMultiString = TEST MESSAGE 1 (from Trial 1)	
2	Select the Copy button in the DMS.exe window.	
3	Send an SNMP 'set-request' for: dmsActivateMessage.0 = hexadecimal string copied from the DMS.exe applicati	
4	Verify that the message is displayed and the response indicates noError.	
5	Send a SNMP 'get-request' for dmsMessageTimeRemaining.0 dmsMsgTableSource.0 dmsMsgRequesterID.0 dmsMsgSourceMode.0	
6	Verify that the values received are appropriate.	
	<input type="checkbox"/> Pass	
	<input type="checkbox"/> Fail	Signature _____ Date _____

Trial Nam Message Time Remaining

Step	Action	Notes
1	Run DMS.exe and set the values as follows: Duration = 3. ActivatePriority = 255. MessageMemoryType = 3 (or 4) MessageNumber = a (or x) dmsMessageMultiString = TEST MESSAGE 1	
2	Select the Copy button in the DMS.exe window.	
3	Send an SNMP 'set-request' for: dmsActivateMessage.0 = hexadecimal string copied from the DMS.exe applicati	
4	Verify that the message is displayed	
5	Send a SNMP 'set-request' for dmsMessageTimeRemaining.0 = 0	
6	Verify that the sign blanks	
7	Send an SNMP 'get-request' for dmsMessageTimeRemaining.0	
8	Verify that the value received is 0	
	<input type="checkbox"/> Pass	
	<input type="checkbox"/> Fail	Signature _____ Date _____

Trial Nam Activation and RunTime Priorities

Step	Action	Notes
1	Run the DMS.exe program with the following values: Duration = 5. ActivatePriority = 255. MessageMemoryType = 3 (or 4) MessageNumber = b (or y) dmsMessageMultiString= TEST MESSAGE 2	
2	Press the Copy button in the DMS.exe program	
3	Send an SNMP 'set-request' as follows: dmsActivateMessage.0 to the Hexadecimal string from above	
4	Verify that the message is displayed and that the response indicates noError.	
5	Run the DMS.exe program with the following values: Duration = 5. ActivatePriority = 201. MessageMemoryType = 3 (or 4) MessageNumber = a (or x) dmsMessageMultiString= TEST MESSAGE 1	
6	Press the Copy button in the DMS.exe program	
7	Send an SNMP 'set-request' as follows: dmsActivateMessage.0 to the Hexadecimal string from above	
8	Verify that the message is displayed, that the response indicates noError, and rec response time.	

- 9 Run the DMS.exe program with the following values:
Duration = 5.
ActivatePriority = 99.
MessageMemoryType = 3 (or 4)
MessageNumber = b (or y)
dmsMessageMultiString= TEST MESSAGE 2
- 10 Press the Copy button in the DMS.exe program
- 11 Send an SNMP 'set-request' as follows:
dmsActivateMessage.0 to the Hexadecimal string from above
- 12 Verify that the message is not displayed and that the response indicates genErr.
- 13 Send an SNMP 'get-request' for
dmsActivateMsgError.0
- 14 Verify that the value received is a 3 (priority)
- 15 Verify that the sign reverts to the default display (typically blank) at the end of t
minute duration (the previously recorded time in step 8 can be used as an estimat
start)

Pass

Fail

Signature _____ **Date** _____

Trial Nam Memory Management

Step	Action	Notes
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- | | | |
|---|--|--|
| 1 | Send a SNMP 'get-request' for
dmsMemoryMgmt.0 | |
| 2 | Verify that the value received for the dmsMemoryMgmt Object is "2". | |
| 3 | Send a SNMP 'set-request' as follows:
dmsMemoryMgmt.0 = 3 (or 4)
to clear changeable (or volatile) messages | |
| 4 | Send a SNMP 'get-request' for
dmsMemoryMgmt.0 | |
| 5 | Verify that the value received for the dmsMemoryMgmt Object is "2". | |
| 6 | Send an SNMP 'get-request' for
dmsMessageMultiString.3.a
(or dmsMessageMultiString.4.x)
dmsMessageStatus.3.a
(or dmsMessageStatus.4.x) | |
| 7 | Ensure that the Multi string is zero length and that the status is notUsed (1). | |
| 8 | Repeat Trials 3-5 (6-8) of Session 5 in order to store the messages back in memo | |

Pass

Fail

Signature _____ **Date** _____

Session Name *Multi Configuration*

Trial Name Set-up

Step	Action	Notes
1	Run the set-msg.scr macro. And enter the following at the prompts: MultiString = Msg Number = 3.b (or 4.y) Priority = 100	
2	Run the DMS.exe program, with the following values Duration = 10. ActivatePriority = 255. MessageMemoryType = 3 (or 4) MessageNumber = b (or y) dmsMessageMultiString = Msg	
3	Copy the Hexadecimal string found in the "Output String" field of the "DMS.exe" window and record	
	<input type="checkbox"/> Pass	
	<input type="checkbox"/> Fail	Signature _____ Date _____

Trial Name Default Character Set

Step	Action	Notes
1	Send an SNMP 'get-request' for defaultCharacterSet.0	
2	Verify that the value received is in accordance with agency specifications regarding acceptable character sets for the sign.	
	<input type="checkbox"/> Pass	
	<input type="checkbox"/> Fail	Signature _____ Date _____

Trial Name Default Page Times

Step	Action	Notes
1	Send an SNMP 'get-request' for: defaultPageOnTime.0 defaultPageOffTime.0	
2	Verify that the values received are in accordance with agency specifications regarding acceptable page display times for the sign.	
3	Run the set-msg.scr macro. And enter the following at the prompts: MultiString = PageMsg Number = 3.a (or 4.x) Priority = 100	
4	Run the DMS.exe program, with the following values Duration = 10. ActivatePriority = 255. MessageMemoryType = 3 (or 4) MessageNumber = a (or x) dmsMessageMultiString = PageMsg	
5	Copy the Hexadecimal string found in the "Output String" field of the "DMS.exe"	
6	Send an SNMP 'set-request' as follows: dmsActivateMessage.0 = the copied Hexadecimal string from above	
7	Verify that the page on and off times on the display reflect the values of the def:	

and off times.

- 8 Send an SNMP 'set-request' as follows:
defaultPageOnTime.0 = pt
defaultPageOffTime.0 = pto
- 9 Copy the Hexadecimal string found in the "Output String" field of the "DMS.exe"
- 10 Send an SNMP 'set-request' as follows:
dmsActivateMessage.0 = the copied Hexadecimal string from above
- 11 Verify that the page on and off times on the display reflect the new values of the on and off times.
- 12 Run the set-msg.scr macro. And enter the following at the prompts:
MultiString = PageTimeMsg
Number = 3.a (or 4.x)
Priority = 100
- 13 Run the DMS.exe program, with the following values
Duration = 10.
ActivatePriority = 255.
MessageMemoryType = 3 (or 4)
MessageNumber = a (or x)
dmsMessageMultiString = PageTimeMsg
- 14 Copy the Hexadecimal string found in the "Output String" field of the "DMS.exe" window.
- 15 Send an SNMP 'set-request' as follows:
dmsActivateMessage.0 = the copied Hexadecimal string
- 16 Verify that the page on and off times on the display reflect the values of the on times specified by the MULTI tags.
- 17 Return the default page on and off times to their original values.

Pass

Fail

Signature _____ Date _____

Trial Nam Default Page Justification

Step	Action	Notes
1	Send an SNMP 'get-request' for defaultJustificationPage.0	
2	Send an SNMP 'set-request' as follows defaultJustificationPage.0 = top (2)	
3	Send an SNMP 'set-request' as follows: dmsActivateMessage.0 = the copied Hexadecimal string from Trial 1 Step 4	This object is located under: iso / organization / dod / internet / private / enterpris nema / transportation / devices / dms / signControl / dmsActivateMessage
4	Verify that the message is at the top of the display	
5	Send an SNMP 'set-request' as follows defaultJustificationPage.0 = middle (3)	
6	Send an SNMP 'set-request' as follows: dmsActivateMessage.0 = the copied Hexadecimal string from Trial 1 Step 4	
7	Verify that the message is in the middle of the display	

- 8 Send an SNMP 'set-request' as follows
defaultJustificationPage.0 = bottom (4)
- 9 Send an SNMP 'set-request' as follows:
dmsActivateMessage.0 = the copied Hexadecimal string from Trial 1 Step 4
- 10 Verify that the message is at the bottom of the display
- 11 Return the default page justification to the original value.
- 12 Run the set-msg.scr macro. And enter the following at the prompts:
MultiString = PageJustMsg
Number = 3.a (or 4.x)
Priority = 100
- 13 Run the DMS.exe program, with the following values:
Duration = 10.
ActivatePriority to 255.
MessageMemoryType = 3 (or 4)
MessageNumber = a (or x)
dmsMessageMultiString = PageJustMsg
- 14 Copy the Hexadecimal string found in the "Output String" field of the "DMS.exe" window.
- 15 Send an SNMP 'set-request' as follows:
dmsActivateMessage.0 = the copied Hexadecimal string
- 16 Verify that the message is located per the [jp] tag specification within the MULT

Pass

Fail

Signature _____ Date _____

Trial Nam Default Line Justification

Step	Action	Notes
1	Send an SNMP 'get-request' for: defaultJustificationLine.0	
2	Send an SNMP 'set-request' as follows defaultJustificationLine.0 = left (2)	
3	Send an SNMP 'set-request' as follows: dmsActivateMessage.0 = the copied Hexadecimal string from Trial 1 Step 4	
		This object is located under: iso / organization / dod / internet / private / enterpris nema / transportation / devices / dms / signControl / dmsActivateMessage
4	Verify that the message is at the left of the display	
5	Send an SNMP 'set-request' as follows defaultJustificationPage.0 = center (3)	
6	Send an SNMP 'set-request' as follows: dmsActivateMessage.0 = the copied Hexadecimal string from Trial 1 Step 4	
7	Verify that the message is in the center of the display	
8	Send an SNMP 'set-request' as follows defaultJustificationPage.0 = right (4)	
9	Send an SNMP 'set-request' as follows: dmsActivateMessage.0 = the copied Hexadecimal string from Trial 1 Step 4	

- 10 Verify that the message is at the right side of the display
- 11 Return the default line justification to the original value.
- 12 Run the set-msg.scr macro. And enter the following at the prompts:
MultiString = LineJustMsg
Number = 3.a (or 4.x)
Priority = 100
- 13 Run the DMS.exe program, with the following values:
Duration = 10.
ActivatePriority to 255.
MessageMemoryType = 3 (or 4)
MessageNumber = a (or x)
dmsMessageMultiString =LineJustMsg
- 14 Copy the Hexadecimal string found in the "Output String" field of the "DMS.exe" window.
- 15 Send an SNMP 'set-request' as follows:
dmsActivateMessage.0 = the copied Hexadecimal string
- 16 Verify that the message is located per the [jl] tag specification within the MULT

Pass

Fail

Signature _____ Date _____

Trial Nam Default Font

Step	Action	Notes
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- | | | |
|---|---|--|
| 1 | Send an SNMP 'get-request' for:
defaultFont.0 | |
| 2 | Send an SNMP 'set-request' as follows
defaultFont.0 = font | |
| 3 | Send an SNMP 'set-request' as follows:
dmsActivateMessage.0 = the copied Hexadecimal string from Trial 1 Step 4

This object is located under: iso / organization / dod / internet / private / enterpris
nema / transportation / devices / dms / signControl / dmsActivateMessage | |
| 4 | Verify that the message uses the selected font. | |
| 5 | Return the default font to the original value. | |
| 6 | Run the set-msg.scr macro. And enter the following at the prompts:
MultiString =FontMsg
Number = 3.a (or 4.x)
Priority = 100 | |
| 7 | Run the DMS.exe program, with the following values:
Duration = 10.
ActivatePriority to 255.
MessageMemoryType = 3 (or 4)
MessageNumber = a (or x)
dmsMessageMultiString =FontMsg | |
| 8 | Copy the Hexadecimal string found in the "Output String" field of the "DMS.exe" window. | |
| 9 | Send an SNMP 'set-request' as follows:
dmsActivateMessage.0 = the copied Hexadecimal string | |

10 Verify that the message uses the font as defined by the [fo] tag specification with MULTI string

Pass

Fail

Signature _____

Date _____

Trial Nam Default Flash Rates

Step Action

Notes

- 1 Send an SNMP 'get-request' for defaultFlashOn.0 defaultFlashOff.0
- 2 Run the set-msg.scr macro with the following values
MultiString = FlashMsg
Number = 3.a (or 4.x)
Priority = 100
- 3 Run the DMS.exe program, with the following values
Duration = 10.
ActivatePriority = 255.
MessageMemoryType = 3 (or 4)
MessageNumber = a (or x)
dmsMessageMultiString = FlashMsg
- 4 Copy the Hexadecimal string found in the "Output String" field of the "DMS.exe" window.
- 5 Send an SNMP 'set-request' as follows:
dmsActivateMessage.0 = the copied Hexadecimal string
- 6 Verify that the flash on and off times on the display reflect the values of the def and off times.
- 7 Send an SNMP 'set-request' as follows:
defaultFlashOn.0 =FlashOn
defaultFlashOff.0 = FlashOff

This object is located under iso / organization / dod / internet / private / enterpris nema / transportation / devices / dms / multiCfg
- 8 Copy the Hexadecimal string found in the "Output String" field of the "DMS.exe" window.
- 9 Send an SNMP 'set-request' as follows:
dmsActivateMessage.0 = the copied Hexadecimal string
- 10 Verify that the flash on and off times on the display reflect the new values of the on and off times.
- 11 Run the set-msg.scr macro. And enter the following at the prompts:
MultiString = FlashTimeMsg
Number = 3.a (or 4.x)
Priority = 100
- 12 Run the DMS.exe program, with the following values
Duration = 10.
ActivatePriority = 255.
MessageMemoryType = 3 (or 4)
MessageNumber = a (or x)
dmsMessageMultiString = FlashTimeMsg
- 13 Copy the Hexadecimal string found in the "Output String" field of the "DMS.exe" window.

- 14 Send an SNMP 'set-request' as follows:
dmsActivateMessage.0 = the copied Hexadecimal string
- 15 Verify that the flash on and off times on the display reflect the values of the on times specified by the MULTI tags.
- 16 Return the flash rates to the original values.

Pass

Fail

Signature _____ Date _____

Trial Nam Default Color

Step Action

Notes

- 1 Send an SNMP 'get-request' for
defaultBackgroundColor.0
defaultForegroundColor.0
- 2 Send an SNMP 'set-request' as follows:
defaultBackgroundColor.0 = color1
defaultForegroundColor.0 = color2
- 3 Send an SNMP 'set-request' for the following object:
dmsActivateMessage.0 = Hex string from Trial 1 Step 4
- 4 Verify that the background and foreground colors on the display have changed to colors you have selected previously.
- 5 Set the default colors back to the original values.
- 6 Send an SNMP 'set-request' for the following object:
dmsActivateMessage.0 = Hex string from Trial 1 Step 4

Pass

Fail

Signature _____ Date _____

Trial Nam Moving Text

Step Action

Notes

- 1 Run the set-msg.scr macro. And enter the following at the prompts:
MultiString = MovingTextMsg
Number = 3.1
Priority = 2
- 2 Ensure that there are no errors reported.
- 3 Run DMS.exe and set the values as follows:
Duration = 2.
ActivatePriority = 255.
MessageMemoryType = 3
MessageNumber = a
dmsMessageMultiString = MovingTextMsg
- 4 Select the Copy button in the DMS.exe window.
- 5 Send an SNMP 'set-request' for:
dmsActivateMessage.0 = hexadecimal string copied from the DMS.exe applicati
- 6 Verify that the message is displayed
- 7 Verify that the response indicates noError and record the time.

- 8 Send an SNMP 'get-request' for
dmsActivateMsgError.0
- 9 Verify that the value received is a 2 (none)

Pass
 Fail

Signature _____ Date _____

Session Name Font Configuration

Trial Nam Get Configuration

Step	Action	Notes
------	--------	-------

- | | | |
|---|--|--|
| 1 | Send an SNMP 'get-request' for
numFonts.0
maxFontCharacters.0 | |
| 2 | Send an SNMP 'get-request' for:
fontName.x
fontHeight.x
fontCharSpacing.x
fontLineSpacing.x
fontVersionID.x | |

Pass
 Fail

Signature _____ Date _____

Trial Nam Define and Display the Font

Step	Action	Notes
------	--------	-------

- | | | |
|---|---|--|
| 1 | Send an SNMP 'get-request' for:
characterWidth.font.char
characterBitmap.font.char
defaultFont.0 | |
| 2 | Send an SNMP 'set-request' as follows
defaultFont.0 = font | |
| 3 | Send an SNMP 'set-request' as follows:
dmsActivateMessage.0 = the copied Hexadecimal string from Session 7 Trial 1 St

This object is located under: iso / organization / dod / internet / private / enterpris
nema / transportation / devices / dms / signControl / dmsActivateMessage | |
| 4 | Verify that the message uses the selected font. | |
| 5 | Send an SNMP 'set-request' as follows
characterWidth.font.char = width
characterBitmap.font.char = bits | |
| 6 | Send an SNMP 'get-request' for:
fontVersionID.font
and make sure it has changed from the value received in Trial 1, Step 3 | |
| 7 | Send an SNMP 'set-request' as follows:
dmsActivateMessage.0 = the copied Hexadecimal string from Session 7 Trial 1 St | |
| 8 | Verify that the character on the display follows the bitmap and width defined by t
width. | |
| 9 | Send an SNMP 'set-request' to reset the following values to their state in Step 1 | |

characterWidth.font.char
characterBitmap.font.char
defaultFont.0

- 10 Send an SNMP 'get-request' for:
fontVersionID.font
and make sure it the same as the value received in Trial 1, Step 3

Pass

Fail

Signature _____

Date _____

Session Name *Default Message*

Trial Nam Set-Up

Step	Action	Notes
1	Run the set-msg.scr macro. And enter the following at the prompts: MultiString = TEST MESSAGE 1 Number = 3.a (or 4.x) Priority = 100	
2	Run the DMS.exe program, with the following values Duration = 3. ActivatePriority = 255. MessageMemoryType = 3 (or 4) MessageNumber = a (or x) dmsMessageMultiString = TEST MESSAGE 1	
3	Copy the Hexadecimal string found in the "Output String" field of the "DMS.exe" window and record	
4	Run the set-msg.scr macro. And enter the following at the prompts: MultiString = TEST MESSAGE 2 Number = 3.b (or 4.y) Priority = 100	
5	Run the DMS.exe program, with the following values Duration = 3. ActivatePriority = 255. MessageMemoryType = 3 (or 4) MessageNumber = x (or y) dmsMessageMultiString = TEST MESSAGE 2	
6	Copy the Hexadecimal string found in the "Output String" field of the "DMS.exe" window and record	
7	Develop the Hex strings for the MessageIDCodes for both TEST MESSAGE 1 and TEST MESSAGE 2	
	<input type="checkbox"/> Pass	
	<input type="checkbox"/> Fail	

Signature _____ Date _____

Trial Nam End Duration Message

Step	Action	Notes
1	Send a SNMP 'get-request' for dmsEndDurationMessage.0	
2	Verify that the value received for the dmsEndDurationMessage.0 Object indicates message ID code.	
3	Send a SNMP 'set-request' as follows	

dmsEndDurationMessage.0= MessageIDCode for 3.b (or 4.y)

- 4 Send an SNMP 'set-request' as follows:
dmsActivateMessage.0 = the Hex string from Trial 1 Step 4
- 5 Verify that TEST MESSAGE 1 is displayed. Verify that the message is displayed minutes.
- 6 Verify that, upon completion of the duration that TEST MESSAGE 2 appears
- 7 Return the dmsEndDurationMessage.0 Object back to the original value.

Pass

Fail

Signature _____ Date _____

Trial Nam Communications Loss Message

Step	Action	Notes
------	--------	-------

- 1 Send a SNMP 'get-request' for:
dmsCommunicationsLossMessage.0
dmsTimeCommLoss.0
- 2 Verify that the value received for the dmsCommunicationsLossMessage.0 Object indicates a valid message ID code. Verify that the dmsTimeCommLoss.0 Object provides a valid value.
- 3 Send a SNMP 'set-request' for:
dmsCommunicationsLossMessage.0 = MessageIDCode for 3.b (or 4.y)
dmsTimeCommLoss.0 = 1
- 4 Send an SNMP 'set-request' as follows:
dmsActivateMessage.0 = the Hex string from Trial 1 Step 4
- 5 Verify that TEST MESSAGE 1 is displayed for one minute.
- 6 Verify that TEST MESSAGE 1 is removed after one minute and replaced with TEST MESSAGE 2.
- 7 Return the dmsCommunicationsLossMessage.0 and the dmsTimeCommLoss.0 Object to the original values.
- 8 Send an SNMP 'set-request' as follows:
dmsActivateMessage.0 = the Hex string from Trial 1 Step 4

Pass

Fail

Signature _____ Date _____

Trial Nam Reset Message

Step	Action	Notes
------	--------	-------

- 1 Send a SNMP 'get-request' for the following object:
dmsResetMessage.0
- 2 Verify that the value received for the dmsResetMessage.0 Object indicates a valid message ID code.
- 3 Send a SNMP 'set-request' for the following object:
dmsResetMessage.0 = MessageIDCode for 3.b (or 4.y)
- 4 Reset the sign controller.
- 5 Verify that the sign displays TEST MESSAGE 2

6 Send a SNMP 'set-request' for the following object:
dmsResetMessage.0 = the value recorded in Step 1

Pass

Fail

Signature _____ Date _____

Trial Nam Power Loss Message

Step	Action	Notes
------	--------	-------

- 1 Send a SNMP 'get-request' for
dmsShortPowerRecoveryMessage.0
dmsShortPowerLossTime.0
dmsLongPowerRecoveryMessage.0
- 2 Verify that the value received for these objects are appropriate
- 3 Send a SNMP 'set-request' for the following object:
dmsShortPowerRecoveryMessage.0 = MessageIDCode for 3.b (or 4.y)
dmsShortPowerLossTime.0 = ShortPowerLoss
dmsLongPowerRecoveryMessage.0 = MessageIDCode for 3.a (or 4.x)
- 4 Disconnect and reconnect the power to the sign controller in a time period short
time indicated in the dmsShortPowerLossTime.0 Object.
- 5 Verify that the message displayed on the sign is the message identified by the
dmsShortPowerRecoveryMessage.0 Object.
- 6 Remove power from the sign controller for a time period longer than the time in
the dmsShortPowerLossTime.0 Object.
- 7 Verify that the message displayed on the sign is the message identified by the
dmsLongPowerRecoveryMessage.0 Object.
- 8 Send a SNMP 'set-request' to restore the following objects to the settings read in 4:
dmsShortPowerRecoveryMessage.0
dmsShortPowerLossTime.0 dmsLongPowerRecoveryMessage.0

Pass

Fail

Signature _____ Date _____

Session Name Pixel Service

Trial Nam Perform Pixel Service w/ User Specified Parameters

Step	Action	Notes
------	--------	-------

- 1 Send a SNMP 'get-request' as follows:
vmsPixelServiceDuration.0 =
vmsPixelServiceFrequency.0 =
vmsPixelServiceTime.0 =
- 2 Make sure that the file set-msg.ini has a line as follows:
pixel : '1'
- 3 Run the set-msg.scr macro. And enter the following at the prompts:
MultiString = TEST MESSAGE 1
Number = 3.a
Priority = 100
- 4 Ensure that there are no errors reported.
- 5 Send a SNMP 'set-request' as follows:

vmsPixelServiceDuration.0 = 2 (seconds)
 vmsPixelServiceFrequency.0 = 1 (every minute)
 vmsPixelServiceTime.0 = 0 (starting from Midnight)

- 6 Run the DMS.exe program, with the following values
 Duration = 3.
 ActivatePriority = 255.
 MessageMemoryType = 3
 MessageNumber = a
 dmsMessageMultiString = TEST MESSAGE 1
 and make sure that PixelService is set to 'yes'
- 7 Copy the Hexadecimal string found in the "Output String" field of the "DMS.exe"
- 8 Send an SNMP 'set-request' as follows:
 dmsActivateMessage.0 = the Hex string FROM ABOVE
- 9 Verify that the parameters set in Step 5 are applied for the pixel service.
- 10 Send a SNMP 'set-request' to reset the following objects to the values read in Step
 vmsPixelServiceDuration.0 =
 vmsPixelServiceFrequency.0 =
 vmsPixelServiceTime.0 =
- 11 Make sure that the file set-msg.ini has a line as follows:
 pixel : '0'
- 12 Run the set-msg.scr macro. And enter the following at the prompts:
 MultiString = TEST MESSAGE 1
 Number = 3.a
 Priority = 100
- 13 Ensure that there are no errors reported.

Pass

Fail

Signature _____ Date _____

Session Name Illumination / Brightness

Trial Nam Get Current Illumination and Luminance Status

Step	Action	Notes
1	Send a SNMP 'get-request' for dmsIllumControl.0 dmsIllumMaxPhotocellLevel.0 dmsIllumPhotocellLevelStatus.0 dmsIllumNumBrightLevels.0 dmsIllumBrightLevelStatus.0 dmsIllumManLevel.0 dmsIllumLightOutputStatus.0	
2	Verify that these values are within the specifications identified by the agency	

Pass

Fail

Signature _____ Date _____

Trial Nam Manually Control the Brightness

Step	Action	Notes
1	Send a SNMP 'get-request' for dmsIllumControl.0	

dmsIllumManLevel.0
dmsIllumNumBrightLevels.0
dmsIllumBrightLevelStatus.0

- 2 Send a SNMP 'set-request' as follows:
dmsIllumControl.0 = 4 (manual control).
dmsIllumManLevel.0 to a value different from dmsIllumBrightLevelStatus in Step
- 3 Verify that the sign illumination changed as directed.
- 4 Send a SNMP 'set-request' to reset the values of the following objects:
dmsIllumControl.0
dmsIllumManLevel.0

Pass

Fail

Signature _____

Date _____

Trial Name Modify the Photocell Levels

Step	Action	Notes
------	--------	-------

- | | | |
|---|--|--|
| 1 | Send a SNMP 'get-request' for:
dmsIllumControl.0
dmsIllumMaxPhotocellLevel.0
dmsIllumPhotocellLevelStatus.0
dmsIllumBrightnessValues.0
dmsIllumNumBrightLevels.0
dmsIllumBrightLevelStatus.0 | |
| 2 | Ensure that the dmsIllumControl is set to photocell (2). | |
| 3 | Modify the amount of light coming to the sign (i.e., cover a photocell, or wait until a different time of day). | |
| 4 | Send a SNMP 'get-request' for:
dmsIllumControl.0
dmsIllumMaxPhotocellLevel.0
dmsIllumPhotocellLevelStatus.0
dmsIllumBrightnessValues.0
dmsIllumNumBrightLevels.0
dmsIllumBrightLevelStatus.0 | |
| 5 | Verify that the dmsIllumPhotocellLevelStatus.0 Object has changed due to the change in the amount of light coming to the sign and that the dmsIllumBrightLevelStatus has changed appropriately. | |

Pass

Fail

Signature _____

Date _____

Trial Name Modify the Illumination Curve

Step	Action	Notes
------	--------	-------

- | | | |
|---|---|--|
| 1 | Send a SNMP 'get-request' for:
dmsIllumBrightnessValues.0
dmsIllumLightOutputStatus.0 | |
| 2 | Send a SNMP 'set-request' as follows:
modify the curve established by dmsIllumBrightnessValues.0 | |
| 3 | Verify that the brightness of the sign changes appropriately. | |
| 4 | Send a SNMP 'get-request' for the following object:
dmsIllumBrightnessValues.0 | |

5 Verify that the dmsIllumBrightnessValues.0 Object reflects the values indicated in

6 Send a SNMP 'set-request' as follows:
dmsIllumBrightnessValues.0 = its original value

Pass

Fail

Signature _____

Date _____

Session Name *Scheduling*

Trial Name Configuration

Step	Action	Notes
-------------	---------------	--------------

1 Send a SNMP 'get-request' for:
globalTime.0
globalDaylightSaving.0
maxTimeBaseScheduleEntries.0
maxDayPlans.0
maxDayPlanEvents.0
numActionTableEntries.0

Pass

Fail

Signature _____

Date _____

Trial Name Set Time Base Schedule Table

Step	Action	Notes
-------------	---------------	--------------

1 Send a SNMP 'get-request' for:
timeBaseScheduleMonth.1
timeBaseScheduleDay.1
timeBaseScheduleDate.1
the timeBaseScheduleDayPlan.1

2 Send a SNMP 'set-request' as follows:
timeBaseScheduleMonth.1 = months
timeBaseScheduleDay.1 = days
timeBaseScheduleDate.1 = dates
timeBaseScheduleDayPlan.1 = day plan

Pass

Fail

Signature _____

Date _____

Trial Name Set Day Plan Schedule

Step	Action	Notes
-------------	---------------	--------------

1 Send a SNMP 'set-request' for:
dayPlanHour.day plan.1 = time1 hours
dayPlanMinute.day plan.1 = time1 minutes
dayPlanActionNumberOID.day plan.1 = 1.3.6.1.4.1.1206.4.2.3.8.2.1.1.3

2 Send a SNMP 'set-request' for:
dayPlanHour.day plan.2 = time2 hours
dayPlanMinute.day plan.2 = time2 minutes
dayPlanActionNumberOID.day plan.2 = 1.3.6.1.4.1.1206.4.2.3.8.2.1.1.1

3 Send a SNMP 'set-request' for:
dayPlanHour.day plan.3 = time3 hours
dayPlanMinute.day plan.3 = time3 minutes
dayPlanActionNumberOID.day plan.3 = 1.3.6.1.4.1.1206.4.2.3.8.2.1.1.2

Pass

Fail

Signature _____

Date _____

Trial Nam Set Action Table

Step	Action	Notes
-------------	---------------	--------------

- 2 Send a SNMP 'set-request' for the following object:
dmsActionMsgCode.1 = MessageIDCode for 3.a (or 4.x)
dmsActionMsgCode.2 = MessageIDCode for 3.1 (or 4.1)
dmsActionMsgCode.3 = MessageIDCode for 3.b (or 4.y)

Pass

Fail

Signature _____

Date _____

Trial Nam Modify Time to Activate

Step	Action	Notes
-------------	---------------	--------------

- 0 Send a SNMP 'set-request' for:
dmsActivateMessage.0 = FF FF FF 06 00 01 00 00 C0 A8 01 65
- 1 Send a SNMP 'set-request' for:
globalTime.0 = time1-60
globalLocalTimeDifferential.0 = 0
- 2 Verify that TEST MESSAGE 2 is displayed correctly after one minute
- 3 Send a SNMP 'set-request' for:
globalTime.0 = time2-60
globalLocalTimeDifferential.0 = 0
- 4 Verify that TEST MESSAGE 1 is displayed correctly after one minute
- 5 Send a SNMP 'set-request' for:
globalTime.0 = time3-60
globalLocalTimeDifferential.0 = 0
- 6 Verify that the sign is blanked after one minute

Pass

Fail

Signature _____

Date _____

Trial Nam Schedule with Offset

Step	Action	Notes
-------------	---------------	--------------

- 0 Send a SNMP 'set-request' for:
dmsActivateMessage.0 = FF FF FF 07 00 FF 00 00 C0 A8 01 65
- 1 Send a SNMP 'set-request' for:
globalTime.0 = time1 - 60 - LocalTimeZone
globalLocalTimeDifferential.0 = LocalTimeZone
- 2 Verify that TEST MESSAGE 2 is displayed correctly after one minute
- 3 Send a SNMP 'set-request' for:
globalTime.0 = time2 - 60 - LocalTimeZone
globalLocalTimeDifferential.0 = LocalTimeZone
- 4 Verify that TEST MESSAGE 1 is displayed correctly after one minute

5 Send a SNMP 'set-request' for:
 globalTime.0 = time3 - 60 - LocalTimeZone
 globalLocalTimeDifferential.0 = LocalTimeZone

6 Verify that the sign is blanked after one minute

Pass

Fail Signature _____ Date _____

Session Name Auxiliary I/O

Trial Nam Get Configuration

Step	Action	Notes
------	--------	-------

1 Send a SNMP 'get-request' for:
 maxAuxIODigital.0
 maxAuxIOAnalog.0

Pass

Fail Signature _____ Date _____

Trial Nam Get Status

Step	Action	Notes
------	--------	-------

1 Send a SNMP 'get-request' for
 auxPortType.3.digiport
 auxPortNumber.3.digiport
 auxDescription.3.digiport
 auxResolution.3.digiport
 auxValue.3.digiport
 auxPortDirection.3.digiport

2 Send a SNMP 'get-request' for
 auxPortType.2.anaport
 auxPortNumber.2.anaport
 auxDescription.2.anaport
 auxResolution.2.anaport
 auxValue.2.anaport
 auxPortDirection.2.anaport

Pass

Fail Signature _____ Date _____

Session Name Sign Status

Trial Nam Open Door Status

Step	Action	Notes
------	--------	-------

1 Send a SNMP 'get-request' for
 dmsStatDoorOpen.0

2 If the door was open, close the door. If the door was closed, open the door.

3 end a SNMP 'get-request' for:
 dmsStatDoorOpen.0

4 Verify that the dmsStatDoorOpen.0 Object value has become the opposite of the recorded in step 2.

Pass

Fail

Signature _____ Date _____

Trial Nam Short Error Status

Step	Action	Notes
------	--------	-------

- 1 Send a SNMP 'get-request' for shortErrorStatus.0
- 2 Verify response is appropriate.

Pass

Fail

Signature _____ Date _____

Trial Nam Watchdog Failure Count

Step	Action	Notes
------	--------	-------

- 1 Send a SNMP 'get-request' for: watchdogFailureCount.0
- 2 Verify response is appropriate.

Pass

Fail

Signature _____ Date _____

Trial Nam MULTI Field Table

Step	Action	Notes
------	--------	-------

- 1 Send a SNMP 'get-request' for: statMultiFieldRows.0
- 2 Send a SNMP 'get-request' for: statMultiCurrentFieldValue.* (i.e., for each supported row)

Pass

Fail

Signature _____ Date _____

Trial Nam Current Speed Limit

Step	Action	Notes
------	--------	-------

- 1 Send a SNMP 'get-request' for dmsCurrentSpeedLimit.0
- 2 Verify that this value is correct.

Pass

Fail

Signature _____ Date _____

Trial Nam Current Speed

Step	Action	Notes
------	--------	-------

- 1 Send a SNMP 'get-request' for dmsCurrentSpeed.0
- 2 Verify that this value is correct.

Pass

Fail

Signature _____ Date _____

Session Name Pixel Error

Trial Nam Bad Pixel Test

Step	Action	Notes
-------------	---------------	--------------

- 1 Disconnect a pixel board from the sign.
- 2 Send a SNMP 'set-request' for
pixelTestActivation.0 = 3 (test)
- 3 Send a SNMP 'get-request' for
pixelFailureTableNumRows.0
- 4 Send a SNMP 'get-request' for
pixelFailureXLocation.2.X
pixelFailureYLocation.2.X
pixelFailureStatus.2.X
- 5 Verify that the location information is correct and reconnect pixel board.

Pass

Fail

Signature _____ Date _____

Session Name Lamp Error

Trial Nam Lamp Error Status

Step	Action	Notes
-------------	---------------	--------------

- 1 Send a SNMP 'get-request' for
lampFailureStuckOn.0
lampFailureStuckOff.0
- 2 Disconnect a lamp from the sign.
- 3 Send a SNMP 'set-request' for
lampTestActivation.0= 3 (test)
- 4 Send a SNMP 'get-request' for
lampFailureStuckOn.0
lampFailureStuckOff.0
- 5 Verify that the lampFailureStuckOff.0 Object indicates the location of the bulb th
disconnected.
- 6 Reconnect bulb

Pass

Fail

Signature _____ Date _____

Session Name Fan Error

Trial Nam Fan Error Status

Step	Action	Notes
-------------	---------------	--------------

- 1 Send a SNMP 'get-request' for fanFailures.0
- 2 Disconnect a fan from the sign.
- 3 Send a SNMP 'set-request' for the following object:
fanTestActivation.0 = 3 (test)
- 4 Send a SNMP 'get-request' for fanFailures.0
- 5 Verify that the fanFailures.0 Object indicates the location of the fan that is disconnected.
- 6 Reconnect the fan

Pass

Fail

Signature _____ Date _____

Session Name *Power Status*

Trial Name Get Power Source and Status

Step	Action	Notes
------	--------	-------

- | | | |
|---|---|--|
| 1 | Send a SNMP 'get-request' for powerSource.0
signVolts.0 | |
| 2 | Verify that these objects indicate the correct power source and sign voltage. | |

Pass

Fail

Signature _____ Date _____

Session Name *Temperature Status*

Trial Name Get Temperatures

Step	Action	Notes
------	--------	-------

- | | | |
|---|--|--|
| 1 | Send a SNMP 'get-request' for tempMinAmbient.0
tempMaxAmbient.0
tempMinSignHousing.0
tempMaxSignHousing.0
tempMinCtrlCabinet.0
tempMaxCtrlCabinet.0 | |
| 2 | Create a temperature change. | |
| 3 | Send a SNMP 'get-request' for tempMinAmbient.0
tempMaxAmbient.0
tempMinSignHousing.0
tempMaxSignHousing.0
tempMinCtrlCabinet.0
tempMaxCtrlCabinet.0 | |
| 4 | Verify that the temperatures have changed. | |

Pass

Fail

Signature _____ Date _____