
Global Object 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:
Description1
Description2
DSTFall
DSTSpring
EventClass1 Size
EventClass2
EventClass2 Size
Event2 = b
Event3 = c
Feb29
GreaterObject
GreaterValue
HystObject
HystValue1
HystValue2
ModuleTableEntry
OnChange Object
- 2 Prepare 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 Configuration Conformance Group

Trial Nam Get Module Table Entry

Step	Action	Notes
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- 1 Send an SNMP 'get-request' for
globalMaxModules.0
- 2 Send an SNMP 'get-request' for
moduleMake.1
moduleType.1
moduleModel.1
moduleVersion.1
moduleDeviceNode.1
- 3 Send an SNMP 'get-request' for
moduleMake.x
moduleType.x
moduleModel.x
moduleVersion.x
moduleDeviceNode.x
where x = ModuleTableEntry

Pass

Fail

Signature _____ Date _____

Session Name *Time Management Conformance Group*

Trial Nam Get Global Time Object

Step	Action	Notes
1	Send an SNMP 'get-request' for globalTime.0	
2	Wait at least 5 seconds	
3	Send an SNMP 'get-request' for globalTime.0	
4	Verify that the value indicated is approximately reflects the time difference from and step 2.	

Pass

Fail

Signature _____ Date _____

Trial Nam Daylight Savings Test

Step	Action	Notes
1	Send an SNMP 'get-request' for: globalLocalTimeDifferentialParameter.0 globalTime.0 globalDaylightSavingsTime.0 and record.	
2	Send an SNMP 'set-request' as follows: globalLocalTimeDifferentialParameter.0 = 0 globalDayLightSavings.0 = 3 globalTime.0 = DSTSpring - 60	
3	Wait at least 60 seconds.	
4	Send an SNMP 'get-request' for: globalLocalTimeDifferentialParameter.0	
5	Verify that globalLocalTimeDifferentialParameter.0 has changed to 3600.	
6	Send an SNMP 'set-request' as follows: globalTime.0 = DSTFall - 60	
7	Wait at least 60 seconds.	
8	Send an SNMP 'get-request' for: globalLocalTimeDifferentialParameter.0	
9	Verify that globalLocalTimeDifferentialParameter.0 has returned to 0.	
10	Send an SNMP 'set-request' to restore the following to their original values (adjust seconds elapsed): globalTime.0 globalDaylightSavingsTime.0 globalLocalTimeDifferential.0	

Pass

Fail

Signature _____

Date _____

Trial Nam Leap Year Test

Step	Action	Notes
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- 1 Send an SNMP 'get-request' for:
globalLocalTimeDifferentialParameter.0
globalTime.0
- 2 Run the set-msg.scr macro.
- 3 For the MULTI String enter:
[f2,5] [f9,2]/[f8,2]
- 4 For the message number enter:
3.2
- 5 For the priority enter
1
- 6 Send an SNMP 'set-request' as follows:
dmsActivateMessage.0 =
00 05 64 03 00 02 88 F8 C0 A8 35 13
- 7 Send an SNMP 'set-request' as follows:
globalLocalTimeDifferentialParameter.0 = 0
globalTime.0 = Feb29
- 8 Verify after approximately 1 minute that the globalTime has changed to reflect t
year by indicating the date as February 29 with the correct year.
- 9 Return the globalTime.0 Object to reflect the current date.

Pass

Fail

Signature _____

Date _____

Session Name Report Conformance Group

Trial Nam Get Configuration

Step	Action	Notes
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- 1 Send an SNMP 'get-request' for
maxEventClasses.0
maxEventLogSize.0
maxEventLogConfigs.0

Pass

Fail

Signature _____

Date _____

Trial Nam Create Event Classes

Step	Action	Notes
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- 1 Send an SNMP 'get-request' for
eventClassNumber.1
eventClassLimit.1
eventClassClearTime.1
eventClassDescription.1
eventClassNumber.EventClass2
eventClassLimit.EventClass2

eventClassClearTime.EventClass2
eventClassDescription.EventClass2

- 2 Send an SNMP 'set-request' for
eventClassLimit.1 = EventClass1 Size
eventClassClearTime.1 to the last recorded value for globalTime.0
eventClassDescription.1 = Description1
- 3 Send an SNMP 'set-request' for
eventClassLimit.EventClass2 = EventClass2 Size
eventClassClearTime.EventClass2 to the last recorded value of globalTime
eventClassDescription.EventClass2 = Description2

Pass

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

Trial Nam Configure Event 1

Step	Action	Notes
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- 1 Send an SNMP 'get-request' for
eventConfigID.1
eventConfigClass.1
eventConfigMode.1
eventConfigCompareOID.1
eventConfigLogOID.1
eventConfigAction.1
- 2 Send an SNMP 'set-request' as follows
eventConfigClass.1 = 1
eventConfigMode.1 = 2 (onChange)
eventConfigCompareValue.1 = 0
eventConfigCompareValue2.1 = 0
eventConfigCompareOID.1 = onChangeObject eventConfigLogOID.1 = onChange
eventConfigAction.1 = 3

Pass

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

Trial Nam Configure Event 2

Step	Action	Notes
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- 1 Send an SNMP 'get-request' for
eventConfigID.b
eventConfigClass.b
eventConfigMode.b
eventConfigCompareOID.b
eventConfigLogOID.b
eventConfigAction.b
- 2 Send an SNMP 'set-request' as follows
eventConfigClass.b = EventClass2
eventConfigMode.b = 3 (greater than)
eventConfigCompareValue.b = GreaterValue
eventConfigCompareValue2.b = 0
eventConfigCompareOID.b = GreaterObject
eventConfigLogOID.b = onChangeObject
eventConfigAction.b = 3

Pass

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

Trial Nam Configure Event 3

Step	Action	Notes
1	Send an SNMP 'get-request' for eventConfigID.c eventConfigClass.c eventConfigMode.c eventConfigCompareOID.c eventConfigLogOID.c eventConfigAction.c	
2	Send an SNMP 'set-request' as follows eventConfigClass.c = 1 eventConfigMode.c = 5 (hysteresis) eventConfigCompareValue.c HystValue1 eventConfigCompareValue2.c = HystValue2 eventConfigCompareOID.c = HystObject eventConfigLogOID.c = GreaterObject set eventConfigAction.c = 3	
<input type="checkbox"/>	Pass	
<input type="checkbox"/>	Fail	Signature _____ Date _____

Trial Nam Create Event 1

Step	Action	Notes
1	Perform operations as necessary to ensure that Event 1 occurs	
<input type="checkbox"/>	Pass	
<input type="checkbox"/>	Fail	Signature _____ Date _____

Trial Nam Create Event 2

Step	Action	Notes
1	Perform operations as necessary to ensure that Event 2 occurs	
<input type="checkbox"/>	Pass	
<input type="checkbox"/>	Fail	Signature _____ Date _____

Trial Nam Create Event 3

Step	Action	Notes
1	Perform operations as necessary to ensure that Event3 occurs	
<input type="checkbox"/>	Pass	
<input type="checkbox"/>	Fail	Signature _____ Date _____

Trial Nam Get Log

Step	Action	Notes
1	Send an SNMP 'get-request' for eventLogClass.1.1 eventLogNumber.1.1 eventLogID.1.1 eventLogTime.1.1 eventLogValue.1.1 eventLogID.1.2	

eventLogTime.1.2
eventLogValue.1.2
eventLogClass.EventClass2.1
eventLogNumber.EventClass2.1
eventLogID.EventClass2.1
eventLogTime.EventClass2.1
eventLogValue.EventClass2.1

2 Verify that the event time stamps approximately agree with the times recorded in Trials 6-8.

Pass

Fail

Signature _____ **Date** _____