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## Industrial Control Design AS



# SNMPManager V2.7

## Release Notes

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# 1. Overview

This document describes the SNMPManager V2.7 release.

The library in this release has been built with CDP 2.3.1.0, and is only compatible with libs and headers for this CDP version.

The SNMPManager V2.7 release is equal to the previous release except for the changes described in this document. All modifications that were included in the previous release are also included in this release.

# 2. Change log

This chapter lists changes included in V2.7 compared to previous releases.

## 2.1. Changes in V2.7 (14 Nov 2008)

ICD Bug #	Description
Bug #1313	<b>SNMP-application crashes when receiving illegal message-contents</b> When receiving a SetSNMPvalue- or GetSNMPvalue-message with an illegal input-string, the application crashed. This is now fixed, and a CDPMessage is written (if debugl-evel is 1 or more) indicating illegal input.

*Table 1 - Changes in V2.7*

## 2.2. Changes in V2.6 (13 Oct 2008)

Change No	Description
1	Some minor changes to make it compile for Linux: "unsigned __int64" is changed to "uint64_t", the function EncodeUnsignedInt64() is changed.
2	Minor changes to make it compile with VS2005/2008.
3	Added CDPMessage if ReceiveSNMPResponses-socket indicates error.
4	The names of the SignalOutSet-signals for Alarms, were earlier ".SignalOutSet", but now the names are "_OutSet" (no change in XML, only the created signal-names are changed). Auto-created alarms in ReceiveSNMPResponses::Configure() are now Activated. Removed activate of _OutSet-signals (not necessary).

*Table 2 - Changes in V2.6*

## 2.3. Changes in V2.5 (05 Feb 2008)

Change No	Description
1 (Bug #1046)	<b>Description for auto-generated alarms</b> Fixed problem with not being able to override autocreated Alarms from XML (Activate them), changed such Alarms from objects to object pointers.
2	LostContact alarms for SNMPAgents: In Configure, the alarms are now activated before running Set().

Table 3 - Changes in V2.5

## 2.4. Changes in V2.4 (28 Jan 2008)

ICD Bug #	Description
Bug #1045	<b>Parameter name too long</b> The parameter GenerateAlarmstringsForTrapsNotListed is too long. Changed name to GenerateStringForUnknownTraps.
Bug #1046	<b>Description for auto-generated alarms</b> Earlier there were no Description for auto-generated Alarms. Now: If an Identical Alarm (same Name as the autogenerated) is specified in the standard Alarm-section, the xml-items from the Alarms-section is used.
Bug #1047	<b>Should suspend SNMPManager when XML is wrong (NULL pointer)</b> During Configure, the message "ReceiveSNMPResponses::Configure(): Pointer-error for 'Signal'=..." is written if XML-file is wrong for Signal in GetReq-section. Now SNMPManager is suspended in addition, to avoid using NULL-pointers.
Bug #1048	<b>Spelling-error in XML-file</b> Component XML-file for SNMPManager had 'Decription' instead of 'Description' for Alarms. This is now corrected.

Table 4 - Changes in V2.4

## 2.5. Changes in V2.3 (02 Oct 2007)

ICD Bug #	Description
Bug #813	New functionality as described in Bugzilla #813 (Set Alarm when loosing contact with agents). It is now possible by configuration in XML-file to specify a CDP Alarm for every agent, which will be Set when loosing contact with it, and Cleared when receiving data from it. This alarm will only be Set/Cleared for agents were GetRequests are specified with Interval 1 or 2. The alarm is default Set during startup.

Table 5 - Changes in V2.3

## 2.6. Changes in V2.2 (27 Jun 2007)

ICD Bug #	Description
Bug #807	Fix for bug #807. OCTET STRING (and BIT STRING) may now contain 0-characters. For the messages 'SetSNMPvalue' and 'GetSNMPvalueReply', parmaSize must be used to calculate number of bytes in Value (which is the last part of parameter). Value must be ended with a 0-character, and parmaSize must include/count this 0-character.

Table 6 - Changes in V2.2

## 2.7. Changes in V2.1 (30 Mar 2007)

Change No	Description
1	The SNMP Manager now also supports SNMP version 1 (earlier only version 2 was supported)
2	Unique Alarms can now be Set or Cleared, depending on the received trap.
3	Alarms can be auto-created.
4	Auto-created CDP Signals can be linked to auto-created Alarms.

*Table 7 - Changes in V2.1*

## 2.8. Changes in V2.0 (16 Feb 2007)

Change No	Description
1	The SNMP Manager now also supports SNMP version 1 (earlier only version 2 was supported). The SNMP Manager is now able to send SNMP Set and Get requests (SNMP version 2).
2	Unique Alarms can now be Set or Cleared, depending on the received trap. Get requests can be sent regularly, specified by two different intervals.
3	Responses from agents can be used to update CDP Signals.
4	It can receive two external messages, SetSNMPvalue and GetSNMPvalue, and send back an external message GetSNMPvalueReply.

*Table 8 - Changes in V2.0*

## 2.9. Changes in V1.0 (20 Oct 2005)

First Release.

# 3. Installation

Read chapter “2 Installation” in Programmers Manual [2], found in the Doc-folder of your CDP Developer Installation. The manual can also be found from the Start-menu (CDP/Doc/SNMPManagerLib).

## 4. Known limitations

### 4.1. Known bugs

There are no known bugs.

## 5. Technical Support

Your feedback is very important to us. To receive technical support for the products described in this document, please contact us at [support@icd.no](mailto:support@icd.no). At [forum.icd.no](http://forum.icd.no) you will also find a lot of useful information, like Frequently Asked Questions and topics regarding CDP, installation, C++, I/O, Linux, RTOS and Web.

## 6. Copyright and legal information

For copyright and license information, see the license agreement that was provided with CDP.

## 7. References

Reference	Document	Description
1	UM-SNMPManager.pdf	User Manual. Describes how the SNMPManager CDP component works, how to set it up and use it with the CDP system.
2	PM-SNMPManager.pdf	Programmers Manual. Describes how to install the SNMPManager CDP component.

*Table 9 - References*