Schneider
Electric

Release Notes of Concept V2.6 Service Release 1

This document contains the following sections:

1. Installation
2. New Features and Functionality in Concept V2.6 Service Release 1
3.   CC2CAT Installation

1. Installation

The installation of the Concept V2.6 Service Release 1 requires an installed Concept V2.6 base.
To install the service release, please run the setup program on the CD-ROM.
In order to install the Concept 2.6 service release you must select the Option: " Upgrade Concept V2.6 XL/M/S".
Selecting the option: "Install EXEC components separately" will only update the Executive Loader.

1.1. Note when upgrading from a Concept version prior to Concept V2.5 SR1

You must convert all applications with the Concept Converter before performing this install. For details please refer to the file "UPGRADE.PDF" in the Concept directory. Existing DFBs must be deleted from the local and global DFB directory before importing the project.

1.2. Note when upgrading from Concept V2.5

- With Concept V2.6 Service Release 1 it is not necessary to convert existing projects.
- Upgrade the Exec (firmware) only to incorporate the 2.6 bug fix (e.g. XXMIT), or new feature usage (e.g. Interrupt sections on 140 CPU X34 0xA High-End Quantum)
- The 140 CPU x34 0x A High-End Quantum MUST be updated with new firmware.
- Concept EFB and Application Loader also require an update with Concept V2.6 SR1

2. New Features and Functionality in Concept Version 2.6 SR1

2.1   New Firmware/EXEC:

The IEC - PLC EXECs of Concept V2.6 delivered with Service Release 1 are not compatible with EXECs from versions of Concept prior to Concept V2.5 SR1! Thus an update of the firmware is necessary.
It is not necessary to update if EXECs from Concept V2.5 SRx are used, except new features or EXEC bug fixes are required e.g. interrupt sections on 140 CPU X34 0xA High-End Quantum.
See the table below for a complete list of the modifications.

Platform	PLC Name	Concept 2.6 SR1	Comment
Quantum	140 CPU x13 0x	Q186V240.bin	
	140 CPU x13 0xS	Q1SV231E.bin	IEC Only – Stripped Executive
	140 CPU 424 0x	Q486V219.bin	
	140 CPU X34 0x	Q58V115E.bin	Older Hardware Revision
	140 CPU X34 0xA	Q5RV120E.bin	Latest Hardware Revision
Compact	All	CTSX210E.bin	
Momentum	171 CCS 7x0 x0-984	M1LLV207.bin	LL984 Only; XMIT Support
	171 CCC 7x0 10-984	M1LLV207.bin	LL984 Only; XMIT Support
	171 CCS 7x0 x0-IEC	M1IV208E.bin	IEC Only; XXMIT Support only
	171 CCC 7x0 10-IEC	M1IV208E.bin	IEC Only; XXMIT Support only
	171 CCC 9x0 x0-984	M1EV107.bin	LL984 Only; Ethernet Support
	171 CCC 9x0 30	M1EV111E.bin	IEC Only; Ethernet, with WEB pages
Atrium	180 CCO 121 01	AI3V044E.bin	No XXMIT Support
	180 CCO 241 x1	-----	No XXMIT Support
	180 CCO 241 01-S908		No Concept 2.5/2.6 Support

2.2 Firmware/EXEC History Tables

The tables following show firmware/exec versions needed for previous versions of Concept.

Concept	Quantum				
Version	140 CPU x13 0x	140 CPU x13 0xS	140 CPU 424 02	140 CPU x34 0x	140 CPU x34a 0x
		(IEC only)			
2.0 A4	CPU 113: @3E_LMS.bin	CPU_LMS.bin	LMS882E.bin	--	
	CPU 213: @37_LMS.bin	CPU_LMS.bin	LMS882E.bin	--	
2.1 B2.1	Q186v220.bin	STRIP_QU.bin	Q486V215.bin	Q586v103.bin	
2.11	Q186v220.bin	STRIP_QU.bin	Q486V215.bin	Q58v103A.bin	
2.2 SR1	Q186v220.bin	qIECv220.bin	Q486V218.bin	Q58V105B.bin	
2.2 SR2	Q186v220.bin	QIECv222.bin	Q486V218.bin	Q58v106C.bin	Q5rv102C.bin
2.5 SR1	Q186v222.bin	QIECv250.bin	Q486V219.bin	Q58v108D.bin	Q5rv102D.bin
2.5 SR2	Q186v230.bin	Q1SV230D.bin	Q486V219.bin	Q58V110D.bin	Q5RV104D.bin

Concept	Momentum				
Version	171 CCS 7x0 x0 171 CCC 7x0 10 (LL984 only)	171 CCS 7x0 x0 171 CCC 7x0 10 IEC only, XMIT, no Diagnostics functionality	171 CCS 7x0 x0 171 CCC 7x0 10 IEC only + Diagnostics no XMIT functionality	171 CCC 9x0 x0 (LL984 only)	171 CCC 9x0 30 (IEC only)
2.0 A4	--	--	--	--	--
2.1 B2.1	M1EXEC.bin	STRIP_M1.bin	--	--	--
2.11	M1EXEC.bin	STRIP_M1.bin	--	--	--
2.2 SR1	M1v203.bin	M1IEC220.bin	M1DIA220.bin	M1EV103.bin	--
2.2 SR2	M1v203.bin	M1IEC222.bin	M1DIA220.bin	M1EV103.bin	--
2.5 SR1	M1v203.bin	----	M1IEC250.bin	M1EV104.bin	M1EV250.bin
2.5 SR2	M1v204.bin	----	M1IV204D.bin	M1EV106.bin	M1EV106D.bin

Concept	Compact
Version	
2.0 A4	--
2. 1 B2.1	CTSXV105.bin
2.11	CTSXV105A.bin
2.2 SR1	CTSX200B.bin
2.2 SR2	CTSX201C.bin
2.5 SR1	CTSX202D.bin
2.5 SR2	CTSX205D.bin

Concept	Atrium		
Version	180 CCO 121 01	180 CCO 241 01	180 CCO 241 01 –s908
2.0 A4	--		
2. 1 B2.1	Atrium.bin		
2.11	Atrium.bin		
2.2 SR1	Atrium.bin	Atr586.bin	
2.2 SR2	AI38v042.bin	AI58v034.bin	AR58v034.bin
2.5 SR1	AI38v042D.bin	AI58v035D.bin	-------
2.5 SR2	AI38v043D.bin	AI58v037D.bin	-------

Additional Execs

The following table describes additional Quantum module executives. These files are not automatically installed as part of the Concept installation. Please copy the .bin files from the Additional Exec Folder found on the Service Release CD#2 to the same directory as the PLC executives and loadables. Use the Exec Loader to download these executives to the appropriate devices as needed.

Module	Description	Exec.	Ver.
140-CHS-110-00	Hot Standby Module	qchsv103.bin	1.03
140 CRA-93x-00	RIO Drop	qcrav125.bin	1.25
140-CRP-93x-00	RIO Head	qcrpv114.bin	1.14
140-ESI-062-10	ASCII Module	qesiv103.bin	1.03
140-NOE-2x1-00	TCP/IP Module	lmstcpip.bin	2.20
140-NOM-21x-00	MB+ Comm. Module	qnomv215.bin	2.15

NOTE:
All executives delivered on this CD are the latest as of January 2003. Please see our web page www.schneiderautomation.com for any updates to these executives.

3. CC2CAT Installation

Mandatory adjustment in Concept
CC2CAT requires that Concept generates/updates the .VAR file during a manual or automatic save operation. The export of variables to the .VAR file needs to be enabled by an entry in section 'Common' in **CONCEPT.INI**:
[Common]
ExportVariables=1

Installation hints for CC2CAT

CC2CAT provides COM interfaces for other applications and allows access to Concept's project and variable information.
The functionality of CC2CAT has been extended and adapted to Concept V2.5/V2.6. so that The upgrade from a previous version of Concept also requires an upgrade of CC2CAT.

Applications using a previous version of CC2CAT (for Concept V2.1x/2.2) need to be modified due to Concept V2.5/V2.6 new features and the modified addressing mode for variables and structures.

CC2CAT for Concept V2.5/V2.6 is installed optionally in a subdirectory (\CC2CAT) of the Concept install path. The install program makes all the necessary entries in the Windows registry.
Applications using CC2CAT must take into account all the changes compared to previous versions of Concept and of CC2CAT mentioned above!

The entries in the Windows registry need to be changed, if CC2CAT is to be used with an earlier version of Concept or vice versa!
All applications using CC2CAT (e.g. OPC-Factory-Server, OFS) as well as CC2CAT itself must be closed before changing the registry entries!

You have installed CC2CAT (new) for Concept V2.5/V2.6. Now you want to activate an older version of CC2CAT (old) for an older version of Concept.
The following example demonstrates the steps and the commands needed to be carried out in order to manually modify the registration of CC2CAT:
1. Remove the "new" CC2CAT Windows registry information:
   C:\CONCEPT2.5\CC2CAT\CC2CAT32.EXE -Unregserver
2. Go to the "old" Concept directory (version prior to Concept V2.5 SR1)
   and register the "old" CC2CAT version:
   C:\CONCEPT_ALT\ CC2CAT.EXE -Regserver

Simply reverse the order of de-registration and registration of the different versions if you wish to undo the registration of the "old" CC2CAT and work again with the "new" Concept V2.5/V2.6 or CC2CAT:
1. Remove the "old" CC2CAT Windows registry information:
   C:\CONCEPT_ALT\ CC2CAT.EXE -Unregserver
2. Change to the "new" Concept directory and re-register:
   C:\CONCEPT2.5\CC2CAT\CC2CAT32.EXE -Regserver

The following files must be installed after CC2CAT is successfully installed:
\CC2CAT\CC2CAT32.EXE
\CC2CAT\TXTCOMP32.DLL
\CC2CAT\TXTBASE32.DLL
\CC2CAT\CCINTERN.DTY

Remark:
In some cases the registration of CC2CAT fails due to the fact that some system-DLLs are active and could not be replaced. If this happens, please reboot your PC and try to install Concept again. These DLLs will be replaced automatically after rebooting the PC.