

SIEMENS

AlgoRex EP7F-SR1

Release Notes for Tool Coordinators

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1 About this document

Modification index

Version	Date	Brief description
007428_b_en_--	May 2011	Information about Embedded SW 736
007428_a_en_--	August 2003	Initial version

Related documents

Reference	Document no	Content
[1]	6824	Operating platform for Tools
[2]	5946	Visualizer to terminal CT11
[3]	4768	TC documentation EP7F, Toolset customizing

2 Introduction

2.1 Purpose of the document

The document describes the differences between EP7F Update 1 and EP7F-SR1. It is intended for Tool Coordinators who need to know what is new and/or different in EP7F-SR1.

2.2 General focus on EP7F-SR1

AlgoRex EP7F-SR1 has been done mainly for the two countries Israel and Denmark. Also some of the known bugs were fixed. See page 8.

2.2.1 Completion of AlgoRex

CT11 Visualizer

- Supports Microsoft Windows NT 4.0, Windows 2000 and Windows XP
- Supports different character sets (Latin 1 and non-Latin 1)
- Now a customisable product, see separate CD

AlgoWorks

- Windows XP compatibility
- New functions, see page 13 and 14

Embedded Software

- CA functionality
- Danish tree browser
- Support of Hebrew language

BDV versions

- New BDV version J0_1140_730_10 and J0_1145_730_10

3 Supported operating systems

Operating system	Remark
Microsoft Windows NT 4.0	With service pack 6 installed. Restrictions apply for countries with non Latin character sets.
Microsoft Windows 2000	With service pack 2 installed
Microsoft Windows XP	-

See related document [1]

4 Versions and compatibility

4.1 AlgoWorks setup version

The current AlgoWorks setup version EP7F-SR1 is V1.35.0-000. It is a full setup. Older AlgoWorks programs must be uninstalled before. See page 19 for more details.

4.2 CS1140/45 software

4.2.1 Embedded software versions

There are two different types of embedded SW:

- EPROM variants for the old HW types
(E3X101, B3Q460/80/85, B3Q560, E3X120, E3H020)
- FLASH variants for the new HW types
(E3X102/3, B3Q660/70/80/85, B3Q565)



For checksums of the different versions please see the detailed documentation which is provided together with the embedded SW on the Tool Coordinator installation CD

EPROM variants

Station type	Name	EPROM version
CC1142	Control unit modular	CCQ00736
CC1143	Control unit modular with extended RAM	CCW00736
CI1145	Control unit compact	CIV00736
CI1142	Control unit compact	CIQ00736
CT1142	Control terminal	CTQ00736
CI1142-T1	Control unit compact (China, simplified)	CIQT1736
CI1142-TE	Control unit compact (China, traditional)	CIQTE736
CI1142-TL	Control unit compact (Korea)	CIQTL736
CI1142-T5	Control unit compact (Thailand)	CIQT5736
CI1143-T1	Control unit compact (China, simplified) with extended RAM	CIWT1736
CI1143-TE	Control unit compact (China, traditional) with extended RAM	CIWTE736
CI1143-TL	Control unit compact (Korea) with extended RAM	CIWTL736
CI1143-T5	Control unit compact (Thailand) with extended RAM	CIWT5736
CT1142-T1	Control terminal compact (China, simplified)	CTQT1736
CT1142-TE	Control terminal compact (China, traditional)	CTQTE736
CT1142-TL	Control terminal compact (Korea)	CTQTL736
CT1142-T5	Control terminal compact (Thailand)	CTQT5736
CA1142	Parallel control console	CAR00736
CA1142-T1	Parallel control console with extended RAM analogous to CT1143	CAQT1736
CA1142-TE		CAQTE736
CA1142-TL		CAQTL736
CA1142-T5		CAQT5736
CK1142	Gateway	CKQ00734

FLASH variants

Station type	Name	FLASH version
CC1142	Control unit modular	CCX00736
CC1143	Control unit modular with extended RAM	CCY00736
CI1142	Control unit compact	CIX00736
CT1142	Control terminal	CTX00736
CI1143-T1	Control unit compact (China, simplified) with extended RAM	CIYT1736
CI1143-TE	Control unit compact (China, traditional) with extended RAM	CIYTE736
CI1143-TL	Control unit compact (Korea) with extended RAM	CIYTL736
CI1143-T5	Control unit compact (Thailand) with extended RAM	CIYT5736
CT1143-T1	Control terminal compact (China, simplified)	CTYT1736
CT1143-TE	Control terminal compact (China, traditional)	CTYTE736
CT1143-TL	Control terminal compact (Korea)	CTYTL736
CT1143-T5	Control terminal compact (Thailand)	CTYT5736
CA1142	Parallel control console	CAX00736
CA1143-T1	Parallel control console with extended RAM analogous to CT1143	CAYT1736
CA1143-TE		CAYTE736
CA1143-TL		CAYTL736
CA1143-T5		CAYT5736

4.3 Repaired bugs in Embedded-SW 735

4.3.1 Turn key to log out

Bug description

The information on the panel **Turn key to log out.** was still present even after the key was logged out.

→ Bug corrected in Embedded SW 735

4.3.2 Alarm indicators not blinking during test mode

Bug description

If a DO1101 or DM1101 device was tested, the alarm indicator did not flashing.

→ Bug corrected in Embedded SW 735

4.3.3 Commissioning of DOTE1152

Bug description

The commissioning of a DOTE1152 device could not be made completely.

→ Bug corrected in Embedded SW 735

4.4 Repaired bugs in Embedded-SW 736

4.4.1 Time channels

Bug description

The programming of the time channels did not work correctly.

→ Bug corrected in Embedded SW 736

4.4.2 Soft keys on quiescent display

Bug description

Sometimes the soft keys provide functions, which were not corresponding with the current situation

→ Bug corrected in Embedded SW 736

4.4.3 Time marks on the panel

Bug description

The time marks were not supported on the panel.

→ Bug corrected in Embedded SW 736

4.4.4 CA functionality for Asia variants

Bug description

The CA software did not work correctly for Asian panel variants.

→ Bug corrected in Embedded SW 736

4.5 Restrictions and known bugs in Embedded-SW 736

4.5.1 Supervision of emergency lines (degrade path)

Bug description

If the I-Bus is blocked via switch S4-10 on the E3X101 the signals for the emergency line supervision are also disabled and therefore a fault message 'degrade path fire alarm' is displayed for each station which does not detect the supervision pulses anymore.

4.5.2 Emergency line 'silence alarm horns'

Bug description

If there is an emergency alarm in a control unit (which is in degraded mode), the alarm horns of the control unit are not stopped upon 'acknowledge' on a connected terminal (in normal operation mode) because the emergency line 'silence alarm horns' is not activated.

4.5.3 Function unit MS9i (E3M060)

Bug description

Concerning function unit MS9i E3M060:

A fully operating detector line is disconnected completely (both sides of the loop). This will cause only a line fault, but not any detector faults.

4.5.4 Pager interface K3I090

Bug description

Requested adaptation of K3I090 ESPA protocol:

The M2M-terminal seems to have too less memory to accept further messages.

In this case the M2M-terminal replies to any message with "2 NAK".

This should be handled correctly by K3I090.

4.5.5 Alarm handling using B3Q590

Bug description

If performing a reset while any alarm condition is still given, the internal horn is activated again @ unsuccessful reset.

That internal horn cannot be acknowledged anymore using the B3Q590 because the information message about activating the internal horn again is not visible on the B3Q590.

Work around:

In this case the internal horn has to be acknowledged using a CT11 or CI11.

4.5.6 Overlapping remote transmission references

Bug description

If the configuration contains any wrong device remote ID (structure number or field number) no fault message will be generated.

Work around:

Use the consistency check provided by AlgoWorks

4.5.7 Australian functionality

The specific Australian functionality is not fully supported with the version EP7F-SR1.

4.5.8 No support of Arabic texts

Display of customer texts and standard texts in Arabic language is not supported. However, editing in AlgoWorks is already possible.

4.5.9 Display of "connecting" text on CT/CI

During the connection phase of a station CT11 or CI11 there is a text displayed which informs the user about the status. In rare cases it can happen that this text is temporarily not displayed even if the connection has not been completed. Since the connection is still ongoing, the station does not react if a key is pressed.

4.5.10 Incomplete "Poll information" on the panel

Bug description

The user can carry out the function "P oll Information" on the panel to get more information about a specific node. Only the first three bytes will be displayed.

Work around

The user should go online with AlgoWorks and all four bytes will be shown completely in the corresponding tab.

4.5.11 Acknowledge via DMS

If the AlgoRex system is connected to a danger management system (DMS), alarms from collective lines must be acknowledged twice by the DMS.

4.5.12 No information of line in collective mode

If the service technician has some not localized AnalogPLUS detectors in its AlgoWorks configuration, which are not linked, and makes a download, no information "Part of line in collective mode" will be shown on the panel.

5 AlgoWorks Software Toolset

AlgoWorks EP7F now runs on Microsoft Windows NT4, Win2000 and WinXP
See related document [1].

5.1 Global information

5.1.1 Multi user possibility on one PC

With EP7F Update1 it was only possible to have multi user possibilities if each user could carry out the AlgoWorks setup. Now in EP7F-SR1 it is not necessary anymore. To overtake all necessary settings one can use the Activator. It overtakes all settings without having the setup possibility.

5.1.2 TC activities, compatibles to Microsoft Office programs

Because of the AlgoWorks compatibility to Microsoft Windows NT4.0, Win2000 and WinXP it was necessary to be compatible with those Office program versions too. Now the Tool Coordinator can use Office 97, Office 2000 and Office XP to carry out the parsers during the customizing process.

5.2 Changes within the AlgoWorks definition files

5.2.1 Changes within the file MenuCfgData.xls

To get an overview about the changes within the file **MenuCfgData.xls**, please install the new AlgoWorks version and open the file within the directory

...\AW1_3\J0_cfg\TC_Sources_CFG\DEFINITIONS

and see the column **UpdateInfo** on each table.

5.2.2 Changes within the file TextCfgData.xls

To get an overview about the changes within the file **TextCfgData.xls**, please install the new AlgoWorks version and open the file within the directory

...\AW1_3\J0_cfg\TC_Sources_CFG\DEFINITIONS

and see the column **UpdateInfo** on each table.

5.3 Site Management

5.3.1 General

Sub-windows

The AlgoWorks SIM program is divided into different sub-windows, non of them can be moved, only resize or hidden is possible.

Saving of column width in the tree editors

All column width will be saved when closing the windows

5.3.2 New function

Reorder Hebrew Customer texts

This function is made for sites with Hebrew text. See online help for more information.

5.3.3 Changed functions

Station Converter

The station converter has been improved for a German specific field. Now it is possible to convert CI stations into CC station without getting an error message.

5.3.4 Extended dialog

Area visibility

The windows title on the dialog box Area Visibility is extended with the station customer text.

5.3.5 SIM-Help

See page 15

5.4 Station Management

5.4.1 General

Sub-windows

The AlgoWorks SAM program is divided into different sub-windows, none of them can be moved, only resize is possible.

Saving of column in the tree editors

All column width will be saved when closing the windows.

5.4.2 New function

Save Configuration Data As ...

The menu item allows exporting the station data in a CSV format, which can be imported with another program. (E.g. Microsoft Excel)

5.4.3 Changed function

Import from .TXT file / Export to .TXT file

The menu item now imports / exports the TXT file format. The old functions imported / exported BDF files.

Consistency Checks

There are three new consistency checks available:

- CPU Overlapping for LON Devices
- Proper links for ELOut2
- LON 3 Reference

→ See SAM online help for more details

Online mode

The online mode has been improved in speed.

Download Configuration Data

Before you can start a download to a station, AlgoWorks checks if the correct station type is connected.

5.4.4 SAM-Help

See page 15

5.5 HTML Help

5.5.1 SIM-Help

New or changed help topics

Topic file name	Description
GEN_Welcome_to_Site_Management.htm	New version number
GEN_Help_Release_Notes.htm	New version number
SIM0_Menu_tools.htm	Added text
SIM0_Site_function_Reorder_Hebrew_Text.htm	Completely new

See the compiled CHM-file with the flash icon for more details.

5.5.2 SAM-Help

New or changed help topics

Topic file name	Description
GEN_Welcome_to_Station_Management.htm	New version number
GEN_Help_Release_notes.htm	New version number
SAM0_Function_Undo.htm	Corrected List at the bottom
SAM0_Function_Inherit_brother_same_node_type.htm	Link corrected
SAM0_Function_Inherit_throughout_the_level.htm	Link corrected
SAM0_Site_parameters_Message_texts_ind_about.htm	Added text
SAM0_Checks_Consistency_4949_Detectors_per_line.htm	Number of devices
SAM0_File_Menu.htm	Added text
SAM0_Station_Cmd_Line_Test_Mode.htm	Added text
SAM0_Localization_Set_Loc_Index_equal_bus_address.htm	Removed text
SAM0_CS11_Printer_wiring.htm	Corrected port number
SAM0_Checks_Consistency_5000_CPU_overlapping_LON.htm	Completely new
SAM0_Checks_Consistency_49F0_LON3_References.htm	Completely new
SAM0_Checks_Consistency_5008_EL_Out2_links.htm	Completely new

See the compiled CHM-file with the flash icon for more details.

5.6 Repaired bugs

5.6.1 Short cuts

Bug description

The short cuts <Ctrl>+<Alt>+<N> and <Ctrl>+<Alt>+<P> made a fatal error in AlgoWorks.

→ Bug corrected in EP7F-SR1

5.6.2 Upload from a K3M111 line card

Bug description

If an AnalogPLUS line was uploaded several times, it always generates additional nodes even when the devices were already in the physical tree.

→ Bug corrected in EP7F-SR1

5.7 Restrictions and known bugs

5.7.1 16bit characters not fully supported in path and directory names

Bug description

16bit characters must not be used in path and directory names of the AlgoWorks installation. Otherwise, conversion of EP4 (or older) sites to EP7F is not possible. Therefore, in Asian countries that are using 16bit character sets, AlgoWorks must be installed in a separate path using 8bit characters only!

5.7.2 Display of national texts in control editor

Bug description

The character set mapping for the customer texts does not work for control references on the 'References' tab and in the 'Add/Remove' dialog of the control editor. Because of this not all characters of national languages are displayed correctly.

6 New BDV J0_114x_730_10

6.1 General

The EP7F-SR1 includes two new BDV's, which are **J0_1140_730_10** and **J0_1145_730_10**. The major changes are

- New / changed customer texts
- Changed station templates
- New ADD definitions
- Additional / changed help information

6.1.1 New / changed customer text

New customer text

22959 "Area: "

Changed customer text

4453 "No connection to CA/Visualizer"

6.1.2 Changed station templates

Linked RT Channel 1

Within the station template (CI1145/1) the RT Channel 1 of each AREA is linked to the E3G070 In/Out no 5 and the RT Channel 2 of each AREA is linked to the E3G070 In/Out no 6.

Dialog Message texts / indicators

These new definition were made.

- CI1145 (1)
 - Standard message text no 4219 to indicator group A, Bit7
 - Standard message text no 4256 to indicator group A, Bit7
- CI11 (2)
 - Standard message text no 4219 to indicator group A, Bit7
 - Standard message text no 4256 to indicator group A, Bit7

6.1.3 Changed ADD definitions

The AlgoWorks Data Definition file (ADD) has been changed. The changes were made for both files *J0_1140_730_10.xls* and *J0_1145_730_10.xls*

New version and date

The ADD file has the new version ADD 1.01.43-000 dated on 15th August 2003.

Changed Texts

- Tab "Fields of EP7F" line 337 (field 1389) changed into "indic. State CT panel"
- Tab "Fields of EP7F" line 319 (field 1369) changed into "loop forward"
- Tab "Selection Lists EP7F" line 409 changed into "CK114x"

6.1.4 BDV-Help

New or changed help topics

Topic file name	Description
FLD0_4324.html	Corrected text from "element 2" to "element 1"
FLD0_1800.html	Corrected text from "110 minutes" to "10 seconds"
FLD0_1600.html	Corrected text from "2" to "1" within the table "0:standard"
FLD0_1348.html	Information about the default has given graphically
FLD0_1313.html	Corrected text from "function code 300" to "function code 105"
BAI0_Standard_Text_Help.htm	Additional information about the operation text

See the compiled CHM-file with the flash icon for more details

7 CT11 Visualizer Customizing

7.1 Introduction

The new SW tool 'CT11 Visualizer Customizing' provided with EP7F-SR1 is now officially customisable product. It is a completely new application that has been improved in many aspects compared to the existing tool.

Features

- Supports Microsoft Windows NT 4.0, Windows 2000 and Windows XP
- Supports different character sets (Latin 1 and non-Latin 1)

See document [2] for more information.

8 Update procedures

8.1 AlgoWorks

8.1.1 Overview

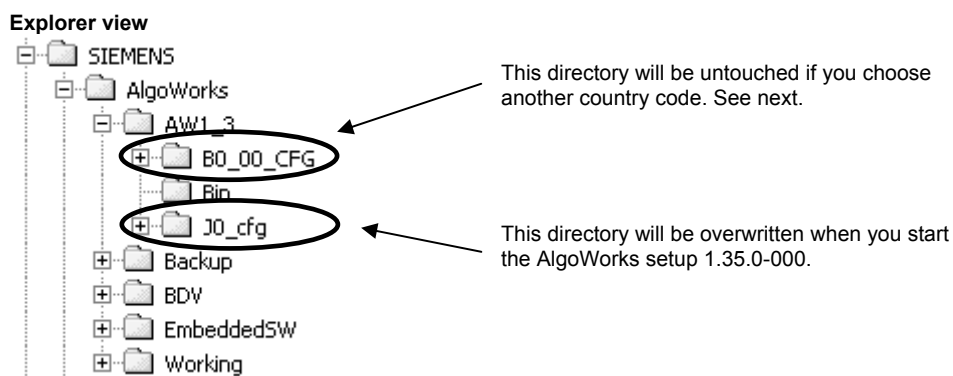
The AlgoWorks setup 1.35.0-000 is a full setup. Therefore the old setup has to be uninstalled.

Different situations

The customizing process is in progress	See chapter 8.1.2 on page 19
The customizing process was NOT started yet	See chapter 8.1.3 on page 23

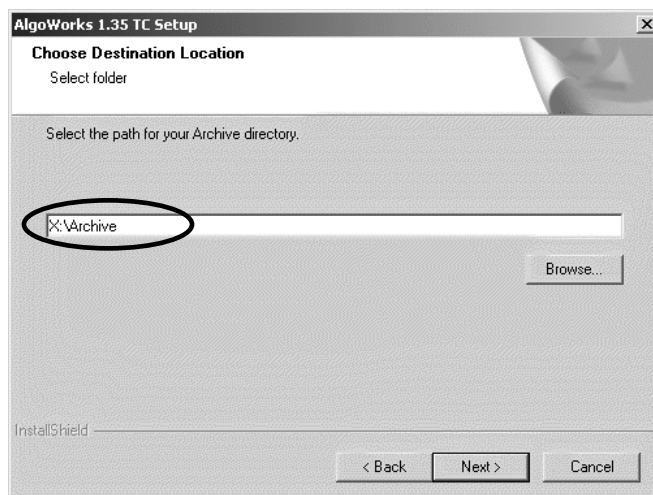
8.1.2 The customizing process is in progress

With your first AlgoWorks installation the following directories were created:



Procedure to install the new AlgoWorks program 1.35.0-000

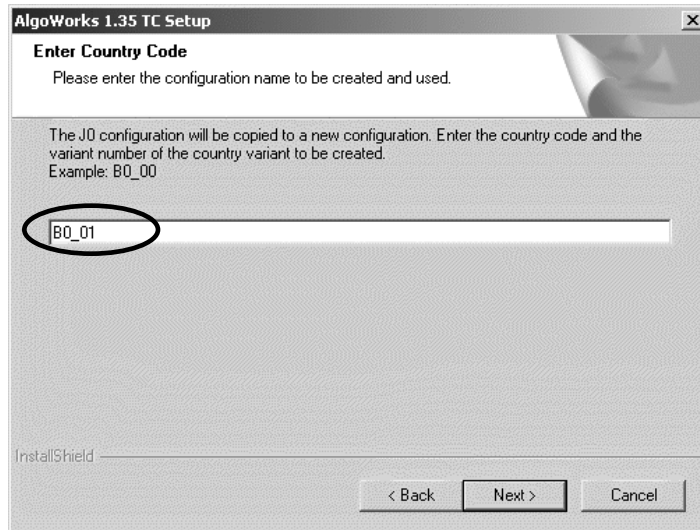
1. Remove AlgoWorks version 1.32.0AB-000 by using the setup program.
→ Follow the procedure described in document [3] 'How to remove AlgoWorks'
2. Install the new AlgoWorks version 1.35.0-000 by using the setup program.
 - Overtake your current archive path, if desired.



- Choose a new country code during the installation



If you do not use a new country code, the directory that corresponds to the old country code (e.g. .../AW1_3/B0_00_CFG) will be overwritten and all adaptation are gone. You have to start at the beginning again.



- A new directory (which corresponds to the prompted country code, E.g. B0_01) will be created during the installation.

Explorer view

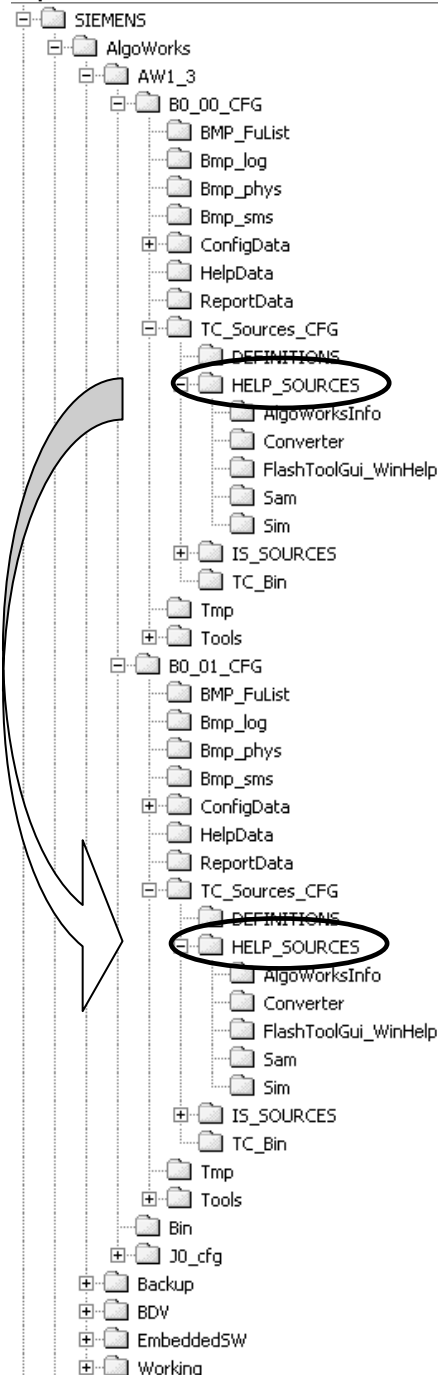


- The new AlgoWorks version 1.35.0-000 was installed.

Procedure to overtake and adapt the AlgoWorks helps

- Copy all help topics into the corresponding directories.

Explorer view



After the installation the directory **B0_01_CFG** has the same topics like the overwritten **TC_Sources_CFG** directory.

To overtake all already made country adaptations to the new AlgoWorks configuration you have to copy them manually.

- Open each Help projects in the directories **B0_01_CFG** one by one and overtake all changes into your country variant, which were made between AlgoWorks version 1.32.0AB-000 and 1.35.0-000 (See page 15 or the new installed CHM-file with the flash icons)

- Change the topic content, where applicable.
- Add the new topics in your AlgoWorks projects.

5. Copy the definition files for AlgoWorks into the corresponding directories.

Explorer view

Copy the AlgoWorks definition files
MenuCfgData.xls and **TextCfgData.xls**

The screenshot shows a file explorer window titled 'Explorer view' with the root directory 'SIEMENS'. Under 'SIEMENS', there is a folder 'AlgoWorks'. Inside 'AlgoWorks', there is a folder 'AW1_3'. Under 'AW1_3', there are several sub-folders: 'B0_00_CFG', 'BMP_FuList', 'Bmp_log', 'Bmp_phys', 'Bmp_sms', 'ConfigData', 'HelpData', 'ReportData', 'TC_Sources_CFG', 'DEFINITIONS', 'HELP_SOURCES', 'IS_SOURCES', 'TC_Bin', 'Tmp', 'Tools', 'B0_01_CFG', 'Bin', 'J0_cfg', 'Backup', 'BDV', 'EmbeddedSW', and 'Working'. The 'DEFINITIONS' folder is circled in two locations: once under 'B0_00_CFG' and once under 'TC_Sources_CFG'. A large, curved arrow points from the text 'Copy the AlgoWorks definition files MenuCfgData.xls and TextCfgData.xls' to the circled 'DEFINITIONS' folders.

6. Overtake all changes into your new AlgoWorks variant, which were made between Version 1.32.0AB-000 and version 1.35.0-000 (See page 12)

See document [3] for additional information.

8.1.3 The customizing process was NOT started yet

Procedure to be followed

1. Remove AlgoWorks version 1.32.0AB-000 by using the setup program.
→ Follow the procedure described in document [3] 'How to remove AlgoWorks'



The folder AW1_3 must be deleted manually.

2. Install the new AlgoWorks version 1.35.0-000 by using the setup program.
→ Follow the procedure described in document [3] 'Installation of the AlgoWorks toolset'

8.1.4 Important AlgoWorks information

Inform the Service Technicians and other involved people as follow:



With the new AlgoWorks version it is mandatory to open and save all stations ones, before you start working. This procedure must be done, if a station has been created with older AlgoWorks versions than 1.35.0-000.

8.2 Update BDV

8.2.1 Overview

Different situations

Already prepared BDV's	See chapter 8.2.2 on page 23
No prepared BDV's	See chapter 8.2.3 on page 26

8.2.2 Already prepared BDV's

Minor changes

If only minor changes have been made in the country specific BDV's, these changes can be re-done based on the new international BDV's.

Major changes

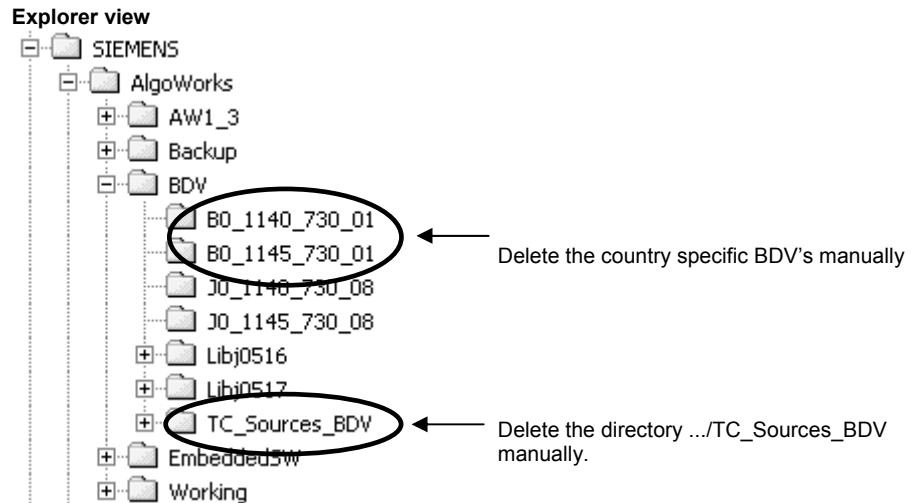
If major changes have been made in the country specific BDV's, the difference between J0_114x_730_08 and J0_114x_730_10 has to be adapted in the country version.

8.2.2.1 Minor changes

Procedure in case of minor changes

1. Remove BDV version J0_1140_730_08
→ Follow the procedure described in document [3] 'How to remove BDVs'

2. Delete the country specific BDV's manually.
3. Delete the directory .../TC_Sources_BDV manually.



4. Install the new BDV's J0_114x_730_10 by using the setup program on the CD.



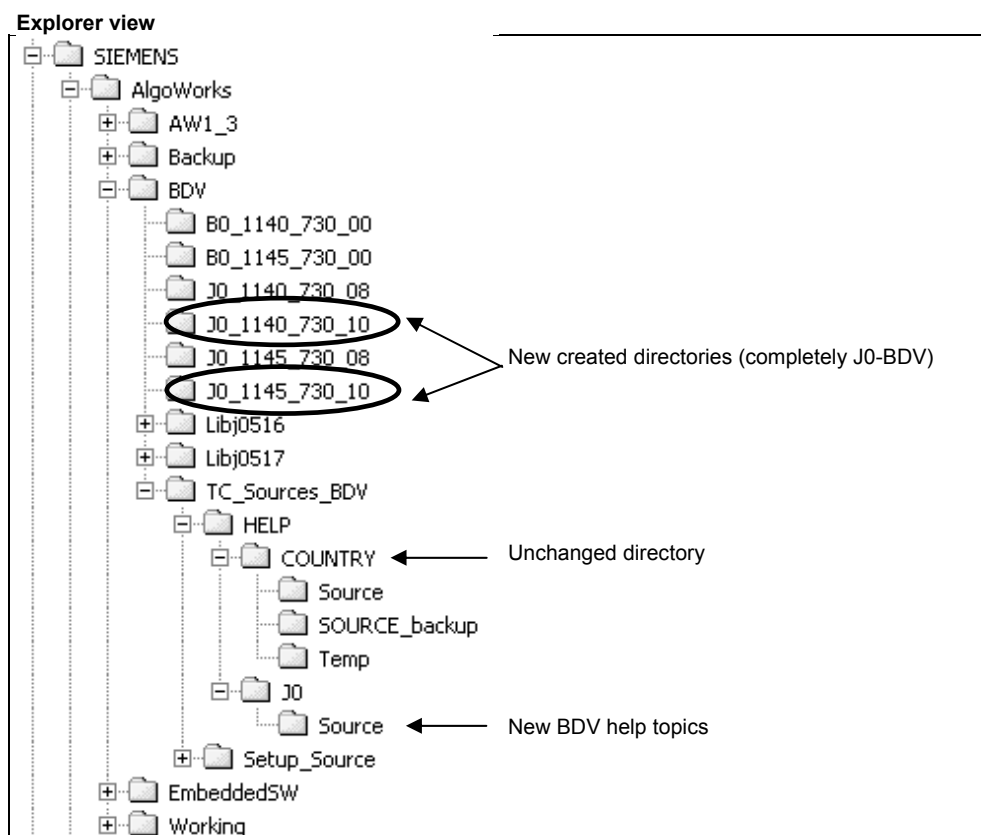
→ The new BDV J0_1140_730_10 and J0_1145_730_10 will be installed.

5. Create a new country specific BDV which is based on the just installed one.

8.2.2.2 Major changes

Procedure in case of major changes

1. Install the new BDV's **J0_114x_730_10** by using the setup program on the CD.



2. Open the BDV Help project in the directory
.../TC_Sources_BDV/HELP/COUNTRY/Source
 and Overtake all changes into your country variant, which were made between
J0_114x_730_08 and **J0_114x_730_10**.

(See page 17 and the following or the compiled CHM-file with the flash icons)

- Change the topic content, where applicable.
- Add the new topics in your country BDV project.
- Change the country specific stamps within the added topics

Example for a topic

I/O Terminals

(-: J0_1140_730_10 :-)
 (-: J0_1145_730_10 :-)

A predefined set of terminal associations is used to handle I/O's.
 The following tables reflect the headquarter settings.

Terminals of E3X100/E3X101/E3X102/E3X103

FU CC11 I/O	Terminal
Hardware input	
• I1 .. I4	X15-1/5, X15-2/5, X15-3/5
• RT fault in	K2-5/6
• RT locked in	K2-4/6
• RT active in	K2-3/6
• RT supply	V17 R/B

8.2.3 No prepared BDV's



If the country specific adaptations have not been started yet, it is strongly recommended to use the new international BDVs.

Procedure

1. Remove BDV version **J0_1140_730_08**
→ Follow the procedure described in document [3] 'How to remove BDVs'
2. Delete the country specific BDV's manually.
3. Delete the directory **.../TC_Sources_BDV** manually.
4. Install the new BDV's **J0_114x_730_10** by using the setup program on the CD.



Now it is possible to set up the country specific BDV based on the J0_114x_730_10.

8.3 New Embedded Software



If you do not use the older Embedded Software 734 anymore, it can be removed from the PC by using the setup procedure described in document [3].

Procedure to install the Embedded Software 736

Install the setup **Standard EmbeddedSW Package 736** or **Asia EmbeddedSW Package 736**.

→ Follow the procedure described in document [3] 'Embedded SW installation'

8.4 New documents



The latest AlgoRex documentations are available on Siemens Intranet (STEP).

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Manual TC Customizing
Section 11