

# SIEMENS

## AlgoRex EP7F-Z2.2

Release Notes  
for Tool Coordinators

**Building Technologies**

Fire Safety & Security Products

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# 1 About this document

## 1.1 Purpose of the document

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The document describes the differences between the AlgoRex release packages EP7F-Z2.1 and EP7F-Z2.2. It is intended for Tool Coordinators who need to know what is new and/or different in EP7F-Z2.2.

## 1.2 Modification index

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Version	Date	Brief description
A6V10081372_e_en	2008-Nov-17	New chapters 12.2, 12.3, 12.4 about setup version 1.63.1-000 Chapter 13 updated
A6V10081372_d_en	2008-Jun-24	Adapted ADD file version numbering on BDV 800, chapter 10.3
A6V10081372_c_en	2008-Jun-16	New AlgoWorks version 1.63, chapter 3.2.3 updated about existing Flash variants for China
A6V10081372_b_en	2008-Apr-17	Update for AlgoWorks, Embedded and BDV
A6V10081372_a_en	2007-Sep-07	Initial version

## 1.3 Related documents

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Reference	Document no	Content
[1]	4768	Tool set customizing for EP7F
[2]	4081	Installation and maintenance
[3]	6824	Operating platform for Tools

# 2 Introduction

## 2.1 Principal purpose of the EP7F-Z2.2

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The release package AlgoRex EP7F-Z2.2 has been developed in order to expand the range of Sinteso device types on the AlgoRex fire system such as the Transponder (FDCIO223). Additionally some modification has been done to fulfil the Chinese Standard GB16806 as well as some bug fixing.

## 3 Versions and compatibility

### 3.1 AlgoWorks

#### 3.1.1 Program and setup version

---

The new AlgoWorks setup version for EP7F-Z2.2 is V1.63.0-000. It is a full setup and the program version is V1.63.

Parallel installations with older EP7F AlgoWorks versions are not possible. Therefore, older EP7F AlgoWorks programs must be uninstalled first, before the new installation can be started.

Please see also documents [1], [2] and [3] for further information.

#### 3.1.2 Program / site compatibility

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AlgoWorks version 1.63 is backwards compatible to all EP7F site configurations, but the old necessary embedded software and BDV versions are still needed.



To use the latest AlgoWorks features the version 1.63 requires embedded software 8.00 version and BDV versions J0\_114x\_800\_01.

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#### 3.1.3 Supported operating systems

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AlgoWorks version 1.63 has been tested on the following operating system:

Operating system	Remark
Microsoft Windows XP	-



All other operating systems have not been tested and will not be supported.

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Please see document [2] and [3] for further information.

## 3.2 Embedded software CS1140/45

### 3.2.1 Program and setup version

---

The current embedded software setup version for EP7F-Z2.2 is 800. It is a full setup and other embedded software versions may be installed in parallel without problems. Please see document [1], [2] and [3] for further information.

### 3.2.2 Program / site compatibility

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The embedded software version 800 is backwards compatible to older versions, but the customer side data has to be converted as well.



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The Embedded software version 8.00 requires AlgoWorks version 1.63 and BDV versions J0\_114x\_800\_01.

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The Embedded software version 8.00 for terminals requires more RAM memory. If some customer data memory was already fully used, it can be generate some problem while using Embedded version 8.00.

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### 3.2.3 Variants of embedded software

There are two different variants of embedded SW:

- EPROM variants for the old HW types  
(E3X101, B3Q460/480/485, B3Q560, E3X120, E3H020)
- FLASH variants for the new HW types  
(E3X102/103, B3Q660/661/680/685, B3Q565, E3H021)



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	CCQ00800 <sup>1)</sup>
CC1143	Control unit modular with extended RAM	CCW00800 <sup>1)</sup>
CI1145	Control unit compact	CIV00800
CI1142	Control unit compact	CIQ00800
CT1142	Control terminal	CTQ00800
CK1142	Gateway	CKQ00800
CK1143	Gateway	CKW00800
CI1142-T1	Control unit compact (China, simplified)	Not available yet
CI1142-TE	Control unit compact (China, traditional)	Not available yet
CI1142-TL	Control unit compact (Korea)	Not available yet
CI1142-T5	Control unit compact (Thailand)	Not available yet
CI1143-T1	Control unit compact (China, simplified) with extended RAM	Not available yet
CI1143-TE	Control unit compact (China, traditional) with extended RAM	Not available yet
CI1143-TL	Control unit compact (Korea) with extended RAM	Not available yet
CI1143-T5	Control unit compact (Thailand) with extended RAM	Not available yet
CT1143-T1	Control terminal compact (China, simplified)	Not available yet
CT1142-TE	Control terminal compact (China, traditional)	Not available yet
CT1142-TL	Control terminal compact (Korea)	Not available yet
CT1142-T5	Control terminal compact (Thailand)	Not available yet
CA1142	Parallel control console	CAR00800
CA1142-T1	Parallel control console with extended RAM analogous to CT1143	Not available yet
CA1142-TE		Not available yet
CA1142-TL		Not available yet
CA1142-T5		Not available yet

<sup>1)</sup> the size of necessary EPROM has been enlarged.

#### FLASH variants

Station type	Name	FLASH version
CC1142	Control unit modular	CCX00800
CC1142	Control unit modular (for China Mainland)	CCX00802 <sup>2)</sup>
CC1143	Control unit modular with extended RAM	CCY00800
CC1143	Control unit modular with extended RAM (for China Mainland)	CCY00802 <sup>2)</sup>
CI1142	Control unit compact	CIX00800
CT1142	Control terminal	CTX00800
CK1143	CK1143	CKY00800
CI1143-T1	Control unit compact (China, simplified) with extended RAM	CIYT1802 <sup>2)</sup>
CI1143-TE	Control unit compact (China, traditional) with extended RAM	Not available yet
CI1143-TL	Control unit compact (Korea) with extended RAM	Not available yet
CI1143-T5	Control unit compact (Thailand) with extended RAM	Not available yet
CT1143-T1	Control terminal compact (China, simplified)	CTYT1802 <sup>2)</sup>
CT1143-TE	Control terminal compact (China, traditional)	Not available yet
CT1143-TL	Control terminal compact (Korea)	Not available yet
CT1143-T5	Control terminal compact (Thailand)	Not available yet
CA1142	Parallel control console	CAX00800
CA1143-T1	Parallel control console with extended RAM analogous to CT1143	Not available yet
CA1143-TE		Not available yet
CA1143-TL		Not available yet
CA1143-T5		Not available yet

<sup>2)</sup> Fulfills the standard GB4717 and GB16806.



### 3.3 BDVs J0\_114x\_800\_01

#### 3.3.1 Program and setup version

---

The current BDV setup version for EP7F-Z2.2 is J0\_800\_01. It is a full setup and other BDV versions can be installed.

Please see also documents [1], [2] and [3] for further information.

#### 3.3.2 Program / site compatibility

---

The BDV versions J0\_1140\_800\_01 and J0\_1145\_800\_01 are backwards compatible to older versions, but the customer side data has to be converted.



The BDV versions J0\_114x\_800\_01 require Embedded software version 8.00 and AlgoWorks version 1.63.

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# 4 AlgoWorks Software 1.60

## 4.1 Introduction / overview

AlgoWorks V1.60 supports all new functions of the embedded software 790 and the BDV versions J0\_114x\_790\_02.

## 4.2 Tool customizing

### 4.2.1 Introduction

The following components of the program customizing have been updated to the new/changed functionality:

- Site Management Online Help
- Station Management Online Help
- Miscellaneous online helps



Information about the process to be followed for generation of a country specific installation, please see documentation [2].

### 4.2.2 No changes in AlgoWorks Menu- and Text Definition

No content has changed within the AlgoWorks Menu Definition (AMD) and AlgoWorks Text Definition (ATD) between version 1.50 (EP7F-Z2.1) and version 1.60 (EP7F-Z2.2) except the version labels.

**AMD file version**

Version no.	Date:
1.60.00-000	2007-Jul-06

**ATD file version**

Version no.	Date:
1.60.00-000	2007-Jul-06

## 4.3 Site Management

### 4.3.1 Online help

The online help has been adapted a little bit. The following help topics have been changed.

**Changed help topics**

New	Changed	Topic	Topic file name	Description
	X	Welcome to Site Management	GEN_Welcome_to_Site_Management.HTM	New version
	X	Help Release Notes	GEN_HELP_RELEASE_NOTES.HTM	New version and date
	X	About Embedded Software	SIM0_Embedded_Software_About.htm	New version



The flash icons in the compiled help file (\*.chm) indicate where the changed topics can be found.

## 4.4 Station Management

### 4.4.1 Online help

The online help has been adapted a little bit. The following help topics have been changed.

#### Changed help topics

New	Changed	Topic	Topic file name	Description
	X	Welcome to Station Management	GEN_Welcome_to_Station_Management.HTM	New version
	X	Help Release Notes	GEN_HELP_RELEASE_NOTES.HTM	New version and date
	X	About Embedded Software	SIM0_Embedded_Software_About.htm	New version



The flash icons in the compiled help file (\*.chm) indicate where the changed topics can be found.

## 4.5 Miscellaneous online helps

### 4.5.1 AlgoWorksInfo

The online help has been adapted a little bit. The following help topics have been changed.

#### Changed help topics

New	Changed	Topic	Topic file name	Description
	X	Welcome to AlgoWorks	GEN_welcome_to_AlgoWorks.htm	New version
	X	Help Release Notes	GEN_help_release_notes.htm	New version and date
	X	Related documents	GE_reference_documents.htm	Added document number



The flash icons in the compiled help file (\*.chm) indicate where the changed topics can be found.

## 4.5.2 AlgoWorksTC

The online help has been adapted a little bit. The following help topics have been changed.

### Changed help topics

New	Changed	Topic	Topic file name	Description
	X	AlgoWorksTC functions	--	New version



The flash icons in the compiled help file (\*.chm) indicate where the changed topics can be found.

## 4.5.3 Converter

The online help has been adapted a little bit. The following help topics have been changed.

### Changed help topics

New	Changed	Topic	Topic file name	Description
	X	Welcome to Site Converter	GEN_welcome_to_converter_help.htm	New version
	X	Help Release Notes	GEN_help_release_notes.htm	New version and date



The flash icons in the compiled help file (\*.chm) indicate where the changed topics can be found.

# 5 AlgoWorks Software 1.62

## 5.1 Introduction / overview

AlgoWorks V1.62 supports all new functions of the embedded software version 800 and the BDV versions J0\_114x\_800\_01.

## 5.2 Tool customizing

### 5.2.1 Introduction

The following components of the program customizing have been updated to the new/changed functionality:

- AlgoWorks Text Definition
- Site Management Online Help
- Station Management Online Help
- Miscellaneous online helps



Information about the process to be followed for generation of a country specific installation, please see documentation [2].

### 5.2.2 Changes in AlgoWorks Menu- and Text Definition

No content has changed within the AlgoWorks Menu Definition (AMD). The AlgoWorks Text Definition (ATD) has been added with a new text message.

#### AlgoWorks Menu Definition (AMD)

No changes, except a new version label.

Version no.	Date:
1.62.00-000	2008-Jan-23

#### AlgoWorks Text Definition (ATD)

A new text message code 42C3 has been added and the version label has been changed.

Version no.	Date:
1.62.00-000	2008-Mar-14

Sheet:	Row:	New	Changed	Description:
SAMMessages	115	X		New text to descript the problem more clear.

## 5.3 Site Management

### 5.3.1 Online help

The online help has been adapted a little bit. The following help topics have been changed.

#### Changed help topics

New	Changed	Topic	Topic file name	Description
	X	Welcome to Site Management	GEN_Welcome_to_Site_Management.HTM	New version number and date
	X	Release Notes	GEN_HELP_RELEASE_NOTES.HTM	New version number and date
	X	About Embedded Software	SIM0_Embedded_Software_About.htm	New version number
X		Export Gateway Data	SIM0_Tools_Export_Gateway_Data.htm	Info about Site Names
X		Step 2: Site description dialog	SIM0_Site_Function_Create_Step2_Dialog_Site_Description.htm	Info about Site Names
X		Menu Tools	SIM0_Menu_tools.htm	Added list content



The flash icons in the compiled help file (\*.chm) indicate where the changed topics can be found.

## 5.4 Station Management

### 5.4.1 Online help

The online help has been adapted a little bit. The following help topics have been changed.

#### Changed help topics

New	Changed	Topic	Topic file name	Description
	X	Welcome to Station Management	GEN_Welcome_to_Station_Management.HTM	New version number and date
	X	Release Notes	GEN_HELP_RELEASE_NOTES.HTM	New version number and date
	X	Generating a Report	SAM0_Reports_Generating.htm	Information about HTML typ
	X	Download Data	SAM0_Communication_Download_Data.htm	Addition info text
	X	Upload Event Memory	SAM0_Communication_Upload_Event_Memory.htm	Additional explanation



The flash icons in the compiled help file (\*.chm) indicate where the changed topics can be found.

## 5.5 Miscellaneous online helps

### 5.5.1 AlgoWorksInfo

The online help has been adapted a little bit. The following help topics have been changed.

#### Changed help topics

New	Changed	Topic	Topic file name	Description
	X	Welcome to AlgoWorks	GEN_welcome_to_AlgoWorks.htm	New version number and date
	X	Help Release Notes	GEN_help_release_notes.htm	New version number and date
	X	Related documents	GEN_reference_documents.htm	Document version changed



The flash icons in the compiled help file (\*.chm) indicate where the changed topics can be found.

### 5.5.2 AlgoWorksTC

The online help has been adapted a little bit. The following help topics have been changed.

#### Changed help topics

New	Changed	Topic	Topic file name	Description
	X	AlgoWorksTC functions	--	New version number



The flash icons in the compiled help file (\*.chm) indicate where the changed topics can be found.

### 5.5.3 Converter

The online help has been adapted a little bit. The following help topics have been changed.

#### Changed help topics

New	Changed	Topic	Topic file name	Description
	X	Welcome to Site Converter	GEN_welcome_to_converter_help.htm	New version number and date
	X	Help Release Notes	GEN_help_release_notes.htm	New version number and date



The flash icons in the compiled help file (\*.chm) indicate where the changed topics can be found.

## 5.6 Bug fixes / Work arounds

<b>Bug description</b>	<b>Tracking no.</b>	<b>FSP00009047</b>
	<b>Hotline call</b>	<b>none</b>
<p>After a conversion of site data from EP5 to EP7F is carried out, which includes CPU overlapping remote transmission, the converter were not able to convert the data correctly because the necessary structure numbers are different between EP5 and EP7F.</p>		
<b>Work around</b>		
<p>Because the converter is not able to handle this specific behaviour always correct, the consistency Check needs to be carried out always after conversion. It will inform about the mismatch and the user has to reprogram those connections. The online-help includes the information already in earlier versions.</p>		

<b>Bug description</b>	<b>Tracking no.</b>	<b>FSP00009077</b>
	<b>Hotline call</b>	<b>none</b>
<p>To generate some reports, different output types can be selected. One of them is HTML. It generates some files which could show some black text phrases by using the Internet Explorer from Microsoft.</p>		
<b>Work around</b>		
<p>Generating some reports uses a third party program. Unfortunately we are not able to change this program, because it won't be maintained anymore. Therefore we recommend using the output type "printer" and selecting an installed PDF printer, because PDF files are easy to save and easy to print out. Or using the Firefox program to view the HTML-Files. The online help topic has been modified to not use the HTML type. See also chapter 5.4.1 on page 14 for further information.</p>		

<b>Bug description</b>	<b>Tracking no.</b>	<b>FSP00009088</b>
	<b>Hotline call</b>	<b>none</b>
<p>If some EL Col. types belong to a ZO multi 'garage', the zone waits for at least two fire alarms, from different elements, to get into alarm conditions. In case of having only one fire alarm the ZO multi 'garage' won't get into alarm conditions and unfortunately such a single element alarm is latched until a reset command is carried out on the panel. If such a first alarm is latched for a long time and the Zone is getting a second alarm without any relationship to the first one, it sets the zone into alarm condition.</p>		
<b>Correction</b>		
<p>If an alarm is active from the first element, it is verified after a certain time. If there is no alarm anymore it will be reseted automatically. There are no new settings available for the user.</p>		

<b>Bug description</b>	<b>Tracking no.</b>	<b>FSP00009177</b>
	<b>Hotline call</b>	<b>none</b>
<p>CK11 does not creating telegrams for structures 1390 and 1391 configured in a C11142. This however is foreseen according to the valid CK11 interface specification.</p>		
<b>Correction</b>		
<p>The Lister CC11List (function "Export gateway data" in the AlgoWorks Site Manager) lists such entries now as part of the basic sector.</p>		

<b>Bug description</b>	<b>Tracking no.</b>	<b>FSP00009480</b> (FSP00017806)
	<b>Hotline call</b>	<b>19628</b> (51948)
<p>If some control reports were generated, the tool could have been terminating.</p>		
<b>Correction</b>		
<p>The bug has been fixed.</p>		

<b>Bug description</b>	<b>Tracking no.</b>	<b>FSP00009829</b>
	<b>Hotline call</b>	<b>none</b>
<p>If a Section was moved from one Area to another, the corresponding area text was not adapted on the Section.</p>		
<b>Correction</b>		
<p>The bug has been corrected and the customer text is adapted after a movement.</p>		



<b>Bug description</b>	<b>Tracking no.</b>	<b>FSP00011910</b>
	<b>Hotline call</b>	<b>none</b>
If an upload command were carried out on a CI1145 station the settings of the I/O types were wrong.		
<b>Correction</b>		
The bug has been fixed and the I/O types are correct now.		

<b>Bug description</b>	<b>Tracking no.</b>	<b>FSP00022071</b> (FSP00022161)
	<b>Hotline call</b>	<b>56408</b> (56123)
If a consistency check were carried out on a Dual Core laptop it could happen that the tool was terminating.		
<b>Correction</b>		
The bug has been fixed and the consistency check can be carried out without terminating of Algoworks. If there is still a problem, each station should be opened and saved once.		

<b>Bug description</b>	<b>Tracking no.</b>	<b>FSP00023560</b>
	<b>Hotline call</b>	<b>none</b>
The SIM menu item called "Default Settings" shows the corresponding default BDV's settings. The translatable labels of these settings were not being able to be display completely.		
<b>Correction</b>		
The labels have been expanded and now the full text is displayed.		

<b>Bug description</b>	<b>Tracking no.</b>	<b>FSP0052957</b>
	<b>Hotline call</b>	<b>97906</b>
If a site configuration had too many site specific texts (approx. 150) it could happen that the tool was terminated during a conversion command.		
<b>Correction</b>		
The bug has been fixed.		

## 6 AlgoWorks Software 1.63

### 6.1 Introduction / overview

AlgoWorks V1.63 supports all new functions of the embedded software version 800 and the BDV versions J0\_114x\_800\_01. The changes between the AlgoWorks version 1.62 and 1.63 are only bugfixes.

### 6.2 Bug fixes / Work arounds

<b>Bug description</b>	<b>Tracking no.</b>	<b>FSP00016411</b>
	<b>Hotline call</b>	<b>45317</b>
<p>During creation of controls some references with different criterions can be defined out of a list. It could have been that this list has shown a reduced number of entries after restarting AlgoWorks.                  As an additional feature the referenced nodes can be synchronized within the dialog <i>Select References</i>. On special nodes it has happened, that the synchronisation command has generated an error message although the nodes has exist.</p>		
<b>Correction</b>		
The function <i>Synch</i> has been modified and the error message does not appear as long as the node exists.		

<b>Bug description</b>	<b>Tracking no.</b>	<b>FSP00056086</b>
	<b>Hotline call</b>	<b>none</b>
With formula string of a certain length station conversion generated an error.		
<b>Work around</b>		
Bug has been fixed.		

<b>Bug description</b>	<b>Tracking no.</b>	<b>FSP00057259</b>
	<b>Hotline call</b>	<b>119171</b>
If a control report has been generated, a fatal error has occurred.		
<b>Correction</b>		
Bug has been fixed.		

## 7 Embedded Software 7.90

### 7.1 Introduction / overview

---

Embedded software version 790 supports all new functions of AlgoWorks version V1.60 and the BDV versions J0\_114x\_790\_02.



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Only the Standard embedded software setup is available at the moment. The Asia version is not available yet. It will be provided later.  
Different embedded software setup packages can be installed in parallel.

---



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Do not mix different embedded software versions at the same customer site.  
After changing a customer site to version 790, the configuration data must be downloaded again.

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### 7.2 Transponder FDCIO223

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The embedded software version 790 supports the new device FDCIO223 (Transponder), except the functionality as contact input which is not supported. However the embedded software version 800 supports the input functionality too. See chapter 8.2 page 20 for further information.

# 8 Embedded Software 8.00

## 8.1 Introduction / overview

Embedded software version 800 supports all new functions of AlgoWorks version V1.62 and the BDV versions J0\_114x\_800\_01.



Only the Standard embedded software setup is available at the moment. The Asia version is not available yet. It will be provided later.  
Different embedded software setup packages can be installed in parallel.



Do not mix different embedded software versions at the same customer site.  
After changing a customer site to version 800, the configuration data must be downloaded again.

## 8.2 Transponder FDCIO223 as input

The embedded software version 800 supports the device FDCIO223 (Transponder) used as contact input as well.

## 8.3 Bug fixes

<b>Bug description</b>	<b>Tracking no.</b>	<b>FSP00009177</b>
	<b>Hotline call</b>	<b>none</b>
CK11 does not creating telegrams for structures 1390 and 1391 configured in a CI1142. This however is foreseen according to the valid CK11 interface specification.		
<b>Correction</b>		
Structures 1390 and 1391 now create telegrams if these structures reside within a CI1142.		

<b>Bug description</b>	<b>Tracking no.</b>	<b>FSP00009479</b>
	<b>Hotline call</b>	<b>18797</b>
The AlgoWorks command "switch OFF interactive AI(s)" was not working for wireless devices.		
<b>Correction</b>		
The bug has been fixed.		

<b>Bug description</b>	<b>Tracking no.</b>	<b>FSP00014363</b>
	<b>Hotline call</b>	<b>37613</b>
If a ZO digital type 0 (programmable) or a ZO digital type 3 (plant monitoring) was used the criterion "ALARM cntnr", the counter was increasing by two of each single alarm, instead of only one.		
<b>Correction</b>		
The bug has been fixed. Both ZO digital types increase the counter correctly.		

<b>Bug description</b>	<b>Tracking no.</b>	<b>FSP00015627</b>
	<b>Hotline call</b>	<b>43390</b>
We have been informed that the performance of older EP5 sites is better than the performance of newer EP7F sites.		
<b>Correction</b>		
A first step of improvement has been done. The data transfer between CT-stations is related to two settings/conditions. Setting of 'LON CPU-overlapping' flag and connection of parallel indicators on a CT-station. Both setting/conditions reduce the performance of system. We recommend using the setting as they are really needed. The improvement has been measured by programming some overlapping controls.		

<b>Bug description</b>	<b>Tracking no.</b>	<b>FSP00018814</b>
	<b>Hotline call</b>	<b>56658</b>
After repairing a disconnection between a CT station and its CA, the faulty message disappears correctly but the CA was not working.		
<b>Correction</b>		
The error handling between CT-station and CA has been improved.		

<b>Bug description</b>	<b>Tracking no.</b>	<b>FSP00022391</b>
	<b>Hotline call</b>	<b>none</b>
If the command 'Reconfig. Line' is carried out on a non comfort terminal (B3Q460/480/485) and the command 'Line OFF' is started while the first command is still running, the message Line OFF appears on the panel. If you then carry out the command 'Line normal Mode' it was not working. The command 'Line OFF' had to be carried out once again to be able to switch the line back to normal mode.		
<b>Correction</b>		
The bug has been fixed. The command 'Line OFF' can not be carried out while the command 'Reconfig. Line' is still running.		

<b>Bug description</b>	<b>Tracking no.</b>	<b>FSP00035777</b>
	<b>Hotline call</b>	<b>84863</b>
While a zone was setting in renovation mode and the alarm organisation was changed, the panels showed there is still renovation mode active, but in fact the corresponding devices were not set in renovation conditions.		
<b>Correction</b>		
The bug has been fixed. The renovation mode is still active after changing the alarm organisation, so the device conditions and the information on the panel are matching.		

<b>Bug description</b>	<b>Tracking no.</b>	<b>FSP00024391</b>
	<b>Hotline call</b>	<b>56613</b>
Some access levels on panels can be reached by password or by turning the key switch. The text message (22104) "or TURN key switch" was not shown on comfort panel types such as B3Q66x and B3Q68x.		
<b>Correction</b>		
The bug has been fixed. Additionally the length of text number 22104 has been adapted as well. See chapter 10.2 page 26 for more details.		

## 9 BDVs J0\_114x\_790\_02

### 9.1 Introduction / overview

---

BDV versions J0\_1140\_790\_02 and J0\_1145\_790\_02 support all new functions of the AlgoWorks V1.60 and embedded software 790.

The major changes compare to BDV J0\_114x\_780\_03 (provided with EP7F-Z2.1 are:

- Changes in standard text file
- Changes in ADD file
- Changes in Country Defaults
- Changed in Station Templates
- Changes in BDV online help



---

In order to minimize the effort for BDV country specific adaptations, some parts of the customizing process can be supported by headquarter. Please contact HQ (Product Manager) for detailed information.

---

### 9.2 Changes in standard texts file

---

This chapter lists the standard text differences between J0\_114x\_780\_03 and J0\_114x\_790\_02.

**new texts:**

24084"Multi verificaton"

## 9.3 Changes in ADD file

This chapter gives a short overview about the differences in the AlgoWorks Data Definition (ADD) files between J0\_114x\_780\_03.xls and J0\_114x\_790\_02.xls. All changes are documented in detail directly in the ADD files in the additional columns 'New', 'Changed' and 'Description' in each of the sheets.

### ADD file versions

BDV:	File name:	Version no.	Date:
CS1140	J0_1140_790_02.xls	1.40.00-001	2007-Sept-07
CS1145	J0_1145_790_02.xls	1.40.00-001	2007-Sept-07

### Short Overview of the changes



For full details see the ADD files *J0\_1140\_790\_02.xls* or *J0\_1145\_790\_02.xls*.  
(The rows in brackets belong to J0\_1145\_790\_02.xls.)

Sheet:	Row:	New	Changed	Description:
Pages EP7F	--			No changes
Nodes EP7F	52	X		New because of transponder FDCIO223
Fields EP7F	206 (205)	X		GB4717 relevant
	406 (405)	X		New because of transponder FDCIO223
	415 (416)	X		New because of transponder FDCIO223
	965 (414)	X		New because of transponder FDCIO223
	966 (964)	X		New because of transponder FDCIO223
	967 (965)	X		New because of transponder FDCIO223
	968 (967)	X		New because of transponder FDCIO223
	969 (968)	X		New because of transponder FDCIO223
	970 (969)	X		New because of transponder FDCIO223
	971 (970)	X		New because of transponder FDCIO223
Selection Lists EP7F	954	X		GB4717 relevant
	994	X		New FDM227 added, because of streamlining MCP
	1017	X		New FDM227 added, because of streamlining MCP
	1026	X		New FDM227 added, because of streamlining MCP
	1033	X		New FDM227 added, because of streamlining MCP
	1131	X		New FDM227 added, because of streamlining MCP
	1152	X		New FDM227 added, because of streamlining MCP
	1378	X		New FDM227 added, because of streamlining MCP
	1389	X		New because of transponder FDCIO223
	1397	X		New Selection List for Transponder FDCIO223
	1398	X		
	1399	X		
	1400	X		
	1401	X		
	1403	X		New Selection List for Transponder FDCIO223
	1404	X		
	1405	X		
	1406	X		
	1407	X		
	1408	X		
	1409	X		
	1410	X		
	1411	X		
	1412	X		
	1413	X		New Selection List for Transponder FDCIO223
	1414	X		
	1415	X		
	1416	X		
	1418	X		
	1419	X		New Selection List for Transponder FDCIO223
1420	X			
1421	X			
1423	X		New Selection List for Transponder FDCIO223	

Sheet:	Row:	New	Changed	Description:
	1424	X		
	1425	X		
	1426	X		
	1427	X		
	1428	X		
	1429	X		
	1430	X		
	1431	X		
	1432	X		
	1433	X		
	1434	X		
	1435	X		
	1436	X		
	1437	X		
	1439	X		
	1440	X		New Selection List for Transponder FDCIO223
	1441	X		
	1443	X		
	1444	X		New Selection List for Transponder FDCIO223
	1445	X		
	1447	X		
	1448	X		
	1449	X		New Selection List for Transponder FDCIO223
	1450	X		
	1451	X		
Array Indexes EP7F	--			No changes
Bitset Labels EP7F	105	X		New Bitset Label for Transponder FDCIO223
	106	X		New Bitset Label for Transponder FDCIO223
Additional Labels EP7F	--			No changes

## 9.4 Changes in Country Defaults

This chapter gives a short overview about the differences in Country Defaults between J0\_114x\_780\_03 and J0\_114x\_790\_02.

### New device Transponder FDCIO223 added

The new Transponder has been added in the corresponding country defaults CC11 / 0 and CI11 / 0.

Please refer to Delivery Release **FD\_06\_002\_DR\_FDCIO223\_en** for further information.

### Changed default CT panel variant

All corresponding country defaults have been set to the latest CT Panel variant called "12: B3Q661 // progr."

### Correction of I/O number on MS9i module

See chapter 9.7.1 for further details.

## 9.5 Changes in Station Templates

This chapter gives a short overview about the differences in Station Templates between J0\_114x\_780\_03 and J0\_114x\_790\_02.

### New default CT panel type

All corresponding station templates have been set to the latest CT Panel variant called "12: B3Q661 // progr."



## 9.6 Changes in BDV online help

The BDV online help has been extended to the new functionality. In addition, some corrections have been done in existing help topics.

### New or changed help topics

New	Changed	Topic	Topic file name	Description
	X	Welcome to	GEN0_Welcome_to.HTM	Date modified
	X	Help Release Notes	GEN0_Help_Release_Notes.HTM	Updated document numbers
	X	Panel variants and indicators	BAI0_Panel_variants_and_indicators.htm	Updated panel information
	X	I/O mode	FLD_1416.html	Content modified for FDCIO223
	X	coll. line type	FLD_1423.html	Content modified for FDCIO223
X		channel no.	FLD_4430.html	New for FDCIO223
X		Coll.Line: ALARM response / FAULT delay	FLD_4432.html	New for FDCIO223
X		EVAC / OUTPUT mode	FLD_4433.html	New for FDCIO223
X		ALERT mode	FLD_4434.html	New for FDCIO223
X		Sounder Line / output: load resistor	FLD_4435.html	New for FDCIO223
X		sounder supervision delay [s]	FLD_4436.html	New for FDCIO223
X		transponder channel type	FLD_4437.html	New for FDCIO223
	X	DE FD20 mod.	STR_1419.html	Content modified for FDCIO223
X		FD20 transponder	STR_1437.html	New for FDCIO223



The flash icons in the compiled help file (\*.chm) indicate where the changed topics can be found.

## 9.7 Bug fixing

### 9.7.1 Wrong country default setting for MS9I I/O Module

Bug description	Tracking no.	FSP00024718
	Hotline call	82888
Belongs only to BDV J0_1145_780_03 country defaults (and earlier CI1145 versions). If you look at MS9i mod. device it has two child nodes, on input and one output. The input has I/O no. '1' and the output has I/O no. '0'.		
Correction		
The output I/O has been set to the correct value '2'. See also chapter 9.4 page 24.		

# 10 BDVs J0\_114x\_800\_01

## 10.1 Introduction / overview

---

BDV versions J0\_1140\_800\_01 and J0\_1145\_800\_01 support all new functions of the AlgoWorks V1.62 and embedded software 800.

The major changes compare to BDV J0\_114x\_790\_02 are:

- Changes in standard text file
- Changes in ADD file
- Changes in Country Defaults
- Changed in Station Templates
- Changes in BDV online help



---

In order to minimize the effort for BDV country specific adaptations, some parts of the customizing process can be supported by headquarter. Please contact HQ (Product Manager) for detailed information.

---

## 10.2 Changes in standard texts file

---

This chapter lists the standard text differences between J0\_114x\_790\_02 and J0\_114x\_800\_01.

### **New texts:**

- 45 "Active conf."
- 9002 "channel activation"
- 9003 "channel confirmation"
- 9004 "channel deactivation"
- 9005 "channel fault"
- 9006 "confirmation missing"



---

The new texts above are only relevant for Chinese panels e.g. B3Q565 and B3Q566.

---

### **Changed texts:**

- 22104 " or TURN key switch"



---

The text is still the same but the number of spaces in front of it has been reduced. The text can now be showing completely on a comfort terminal (B3Q66x, B3Q68x). The Tool Coordinator is responsible for fitting the country language text to be shown on the used panels.

---

### **Deleted texts:**

- none -

## 10.3 Changes in ADD file

This chapter gives a short overview about the differences in the AlgoWorks Data Definition (ADD) files between J0\_114x\_790\_02.xls and J0\_114x\_800\_01.xls. All changes are documented in detail directly in the ADD files in the additional columns 'New', 'Changed' and 'Description' in each of the sheets.

### ADD file versions

BDV:	File name:	Version no.	Date:
CS1140	J0_1140_800_01.xls	1.50.00-000	2008-Mar-03
CS1145	J0_1145_800_01.xls	1.50.00-001	2008-Jun-19

### Overview of the new / changed rows



For full details see the ADD files *J0\_1140\_800\_01.xls* or *J0\_1145\_800\_01.xls*. (The rows in brackets belong to J0\_1145\_800\_01.xls.)

Sheet:	Row:	New	Changed	Description:
Pages EP7F	--			No changes
Nodes EP7F	--			No changes
Fields EP7F	205 (205)		X	only for China, added text
	405 (405)		X	Text changed
Selection Lists EP7F	389 (389)	X		New entry for Iceland (Q)
	954 (954)		X	only for China, changed text
	955 (955)	X		only for China, new entry
Array Indexes EP7F	-- (--)			No changes
Bitset Labels EP7F	86 (86)		X	Additional Text for China settings
	87 (87)		X	Additional Text for China settings
	104 (104)	X		New entry for Transponder
	105 (105)	X		New entry for Transponder
Additional Labels EP7F	-- (--)			No changes

### Overview of deleted rows



The content of the following row numbers existed in J0\_114x\_790\_02.xls and were deleted in J0\_114x\_800\_01.xls. (The rows in brackets belong to J0\_1145\_790\_02.xls.)

Sheet:	Row:	Description:
Pages EP7F	--	No rows deleted
Nodes EP7F	--	No rows deleted
Fields EP7F	--	No rows deleted
Selection Lists EP7F	1024 (1024)	Entry for FDCO221 deleted
	1025 (1025)	Entry for FDCIO221 deleted
	1385 (1385)	Entry for FDCO221 deleted
	1386 (1386)	Entry for FDCIO221 deleted
Array Indexes EP7F	-- (--)	No rows deleted
Bitset Labels EP7F	-- (--)	No rows deleted
Additional Labels EP7F	-- (--)	No rows deleted

## 10.4 Changes in Country Defaults

This chapter gives a short overview about the differences in Country Defaults between J0\_114x\_790\_02 and J0\_114x\_800\_01.

### Deleted devices types FDCO221 and FDCIO221

In earlier versions the device types FDCO221 and FDCIO221 were pre defined. Because such devices do not exist and there is no planning to do so, these device types have been deleted.

## 10.5 Changes in Station Templates

This chapter gives a short overview about the differences in Station Templates between J0\_114x\_790\_02 and J0\_114x\_800\_01.

### Modification of infoclass for connections problems between C-Bus stations

All station templates have been modified in case of a bug. See chapter 10.7 page 29 for more details.

## 10.6 Changes in BDV online help

The BDV online help has been extended to the new functionality. In addition, some corrections have been done in existing help topics.

### New or changed help topics

New	Changed	Topic	Topic file name	Description
	X	Welcome to	GEN0_Welcome_to.HTM	Date modified
	X	Help Release Notes	GEN0_Help_Release_Notes.HTM	Updated document numbers
	X	ALERT sound / FLD0_1425	FLD0_1425.html	Updated about Synchronisation
	X	EVAC sound / FLD0_1427	FLD0_1427.html	Updated about Synchronisation
	X	Structure numbers & names / BAI	BAI0_Structure_numbers_names.htm	Updated structure numbers
	X	Password	FGR0_Passwords.html	Info about download to server
X		Danger level mask	FLD0_1609.html	Info about the settings
	X	Coll.Line: ALARM response / FAULT delay	FLD0_4432.html	Info about transponder channel
	X	Criterion (FldNo) / FGR	FGR0_Criterion.html	Additional field 1791
	X	I/O mode / FLD0_1416	FLD0_1416.html	Additional info about FDCIO223-Input
	X	EL col. det. 2 / STR0_1511	STR0_1511.html	Updated time diagrams
	X	EL col. det. 3 / STR0_1512	STR0_1512.html	Updated time diagrams
	X	sounder supervision delay [s]	FLD0_4436.html	Updated info text



The flash icons in the compiled help file (\*.chm) indicate where the changed topics can be found.

## 10.7 Bug fixing

---

<b>Bug description</b>	<b>Tracking no.</b>	<b>FSP00009044</b>
	<b>Hotline call</b>	<b>none</b>
<p>If the connection between C-Bus stations is faulty, the message "No communication to CBus station" appears. Unfortunately the remote transmission is not getting activated. This could be a problem if overlapping remote transmissions is programmed.</p>		
<b>Correction</b>		
<p>The corresponding settings have been adapted on all station templates. The infoclass of this message has been changed from 19: <i>Fault 3</i> to 21: <i>Fault 5</i>. See also chapter 10.5 page 28 for further information.</p>		

<b>Bug description</b>	<b>Tracking no.</b>	<b>FSP00051264</b>
	<b>Hotline call</b>	<b>95093</b>
<p>In earlier BDV versions of EP7F, the FD20 in-/output modules such as FDCIO221 (1 in / 1 out) and FDCO221 (1 out) were predefined.</p>		
<b>Correction</b>		
<p>These devices were deleted in the corresponding Country Defaults for CC and CI. See also chapter 10.4 page 28 for further information.</p>		

# 11 Miscellaneous

## 11.1 Transponder FDCIO223 Restrictions

### Using special index version

The Transponder FDCIO223 may only be used with index 41 or higher.

### Channels used as sounder lines

Sounder tones are not synchronized between different Transponders devices on the same FDnet. However the two sounder lines on the same Transponder are synchronized.

### Channels used as standard outputs

If the channels are defined as I/O's, some settings about fail safe position can be set. If one of the following settings is used, the output does not work correctly in the current available Transponder version (index 41) during restart of an FDnet line.

- If both "4: output fail safe position: open" and "5: output fail safe position: closed" is not ticked.
- If only "5: output fail safe position: closed" is ticked.



If the FDnet line restarts and the contact is in closed position, it opens for about 3s instead of remaining closed during restart phase.

## 11.2 Necessary Sinteso line card versions

To be able to use the Transponder FDCIO223 correctly, it is necessary to have certain index version on the sinteso line cards. The following versions are necessary:

Sinteso Line card type	Part number	Necessary index
E3M140	A5Q00005602	Index 13
K3M140	A5Q00005982	Index 15

## 11.3 General bug fixing

Bug description	Tracking no.	FSP00009318
	Hotline call	none
Sounder Base (FDSB291) and Alarm Sounder (FDS221) are not synchronized on the same FDnet loop.		
Correction		
The problem has been fixed. All Sounder Bases (FDSB291) and Alarm Sounders (FDS221) with index ES>=30 are synchronized on the same FDnet loop. The online help has been improved as well.		

## 12 Update procedures



For detailed information about the update procedure, please see document [1] and [2].



### Back up

Please save the data before starting with update procedure.

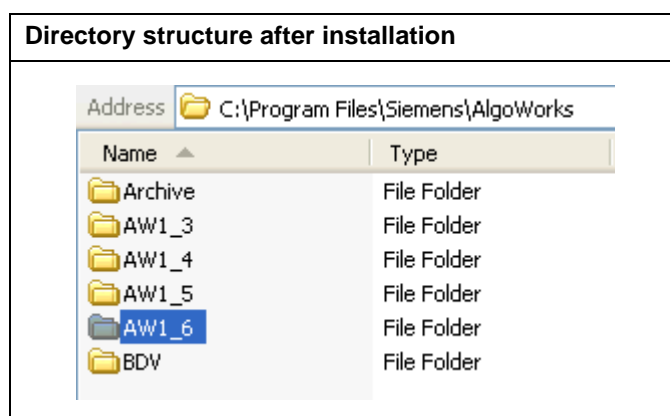
## 12.1 Update to AlgoWorks configuration 1.60

### 12.1.1 File structure

The AlgoWorks setup version for EP7F-Z2.2 is V1.60.0-000. It is a full setup and the program version is 1.60.

Parallel installations with older EP7F AlgoWorks versions are not possible. Therefore, the old EP7F AlgoWorks program version must be uninstalled before.

After installation, a new folder *AW1\_6* has been created.

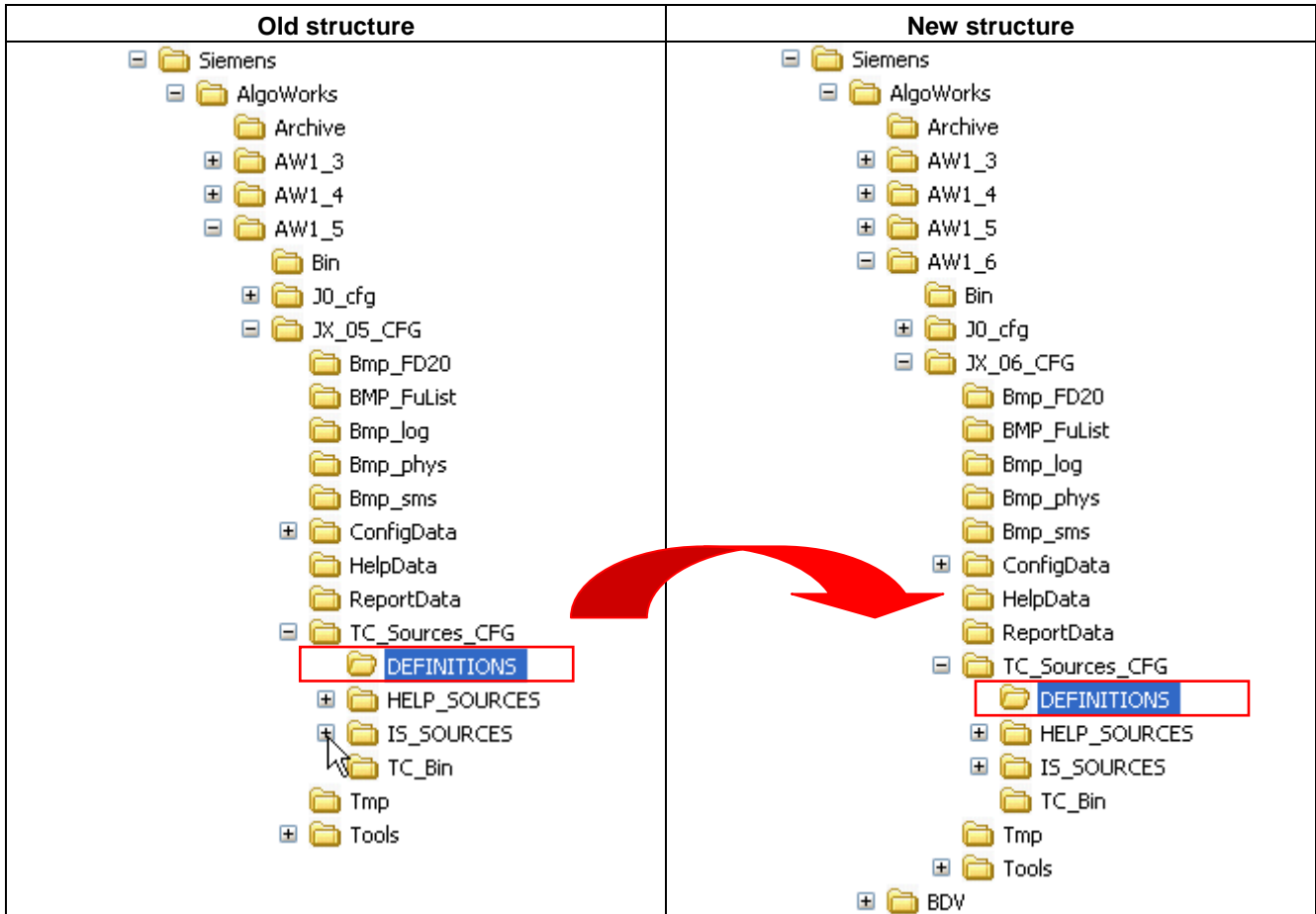


### 12.1.2 Re-use of excel files

The country adapted files *MenuCfgData.xls* and *TextCfgData.xls* can be re-used from the old path AW1\_5, because no changes have been done. Copy the file from the old folder structure to the new one, to reuse them.



Do not forget to adapt the label of version and the correct date on properties tab.





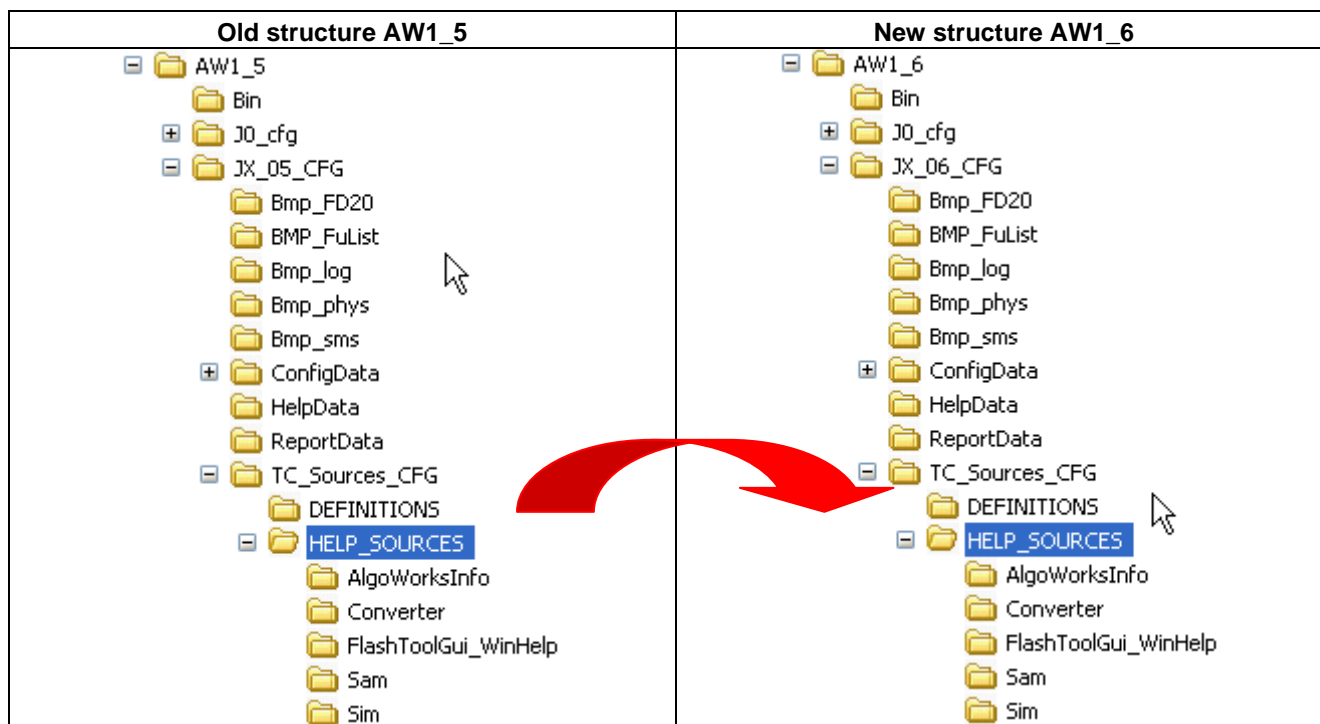
### 12.1.3 Re-use of Site and Station Management Online-Help topics

New online help projects have been created during the AlgoWorks installation, but the old modified / translated topics can be re-used.

Copy your already modified / translated files from the old folder structure AW1\_5 to the new structure AW1\_6.



Do not forget to adapt / translate the new/changed help topics within the new structure. The flash icons in the compiled help file (\*.chm) indicates where the new / changed topics can be found.



## 12.2 Update to AlgoWorks configuration 1.63 (Setup 1.63.0-000)

---

Unfortunately the setup version 1.63.0-000 does not include the necessary AlgoWorks online help source files in the corresponding folders.



---

Therefore the new setup version 1.63.1-000 must be carried out to update the AlgoWorks environment. Please see chapter 12.3, page 35 or chapter 12.4, page 38 for further information.

---

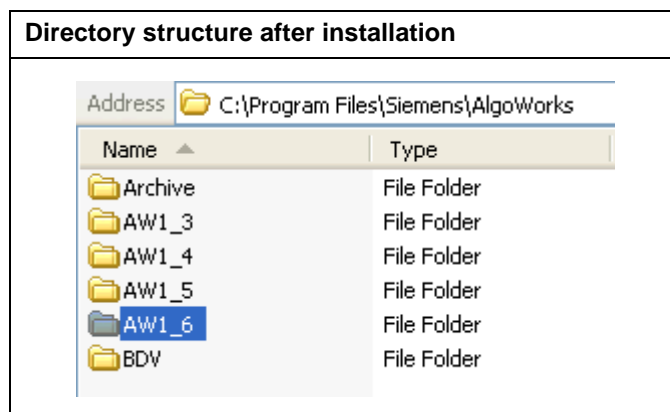
## 12.3 Update to AlgoWorks configuration 1.63 (Setup 1.63.1-000)

### 12.3.1 File structure

The AlgoWorks setup version for EP7F-Z2.2 is V1.63.1-000. It is a full setup and the program version is 1.63.

Parallel installations with older EP7F AlgoWorks versions are not possible. Therefore, the old EP7F AlgoWorks program version must be uninstalled before.

After installation, the folder *AW1\_6* has been reused.

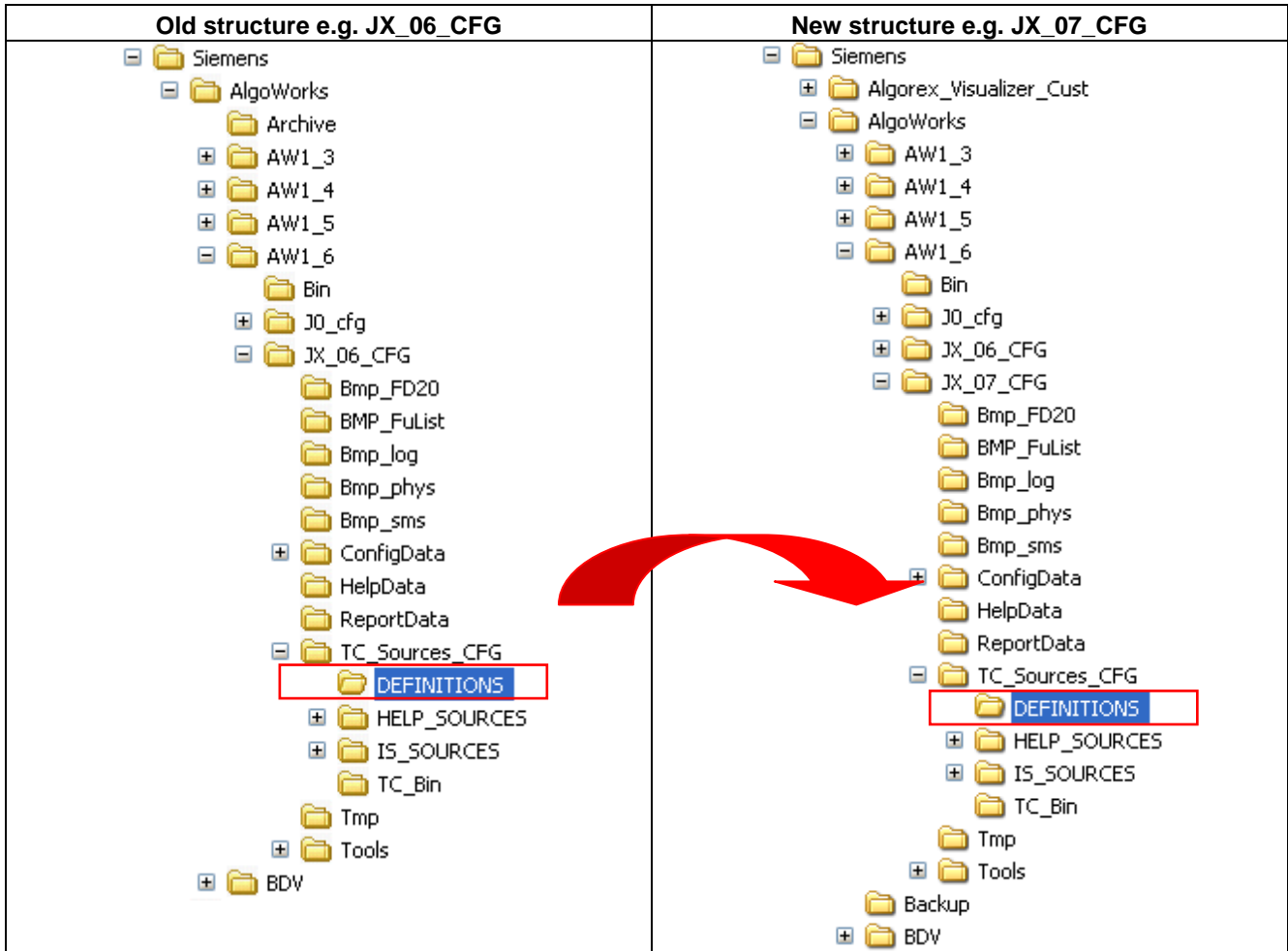


### 12.3.2 Re-use of excel files

The country adapted files *MenuCfgData.xls* and *TextCfgData.xls* can be re-used from an older configuration. Copy the files from the old folder structure to the new one and update them. See chapter 5.2.2 page 13 for environment.



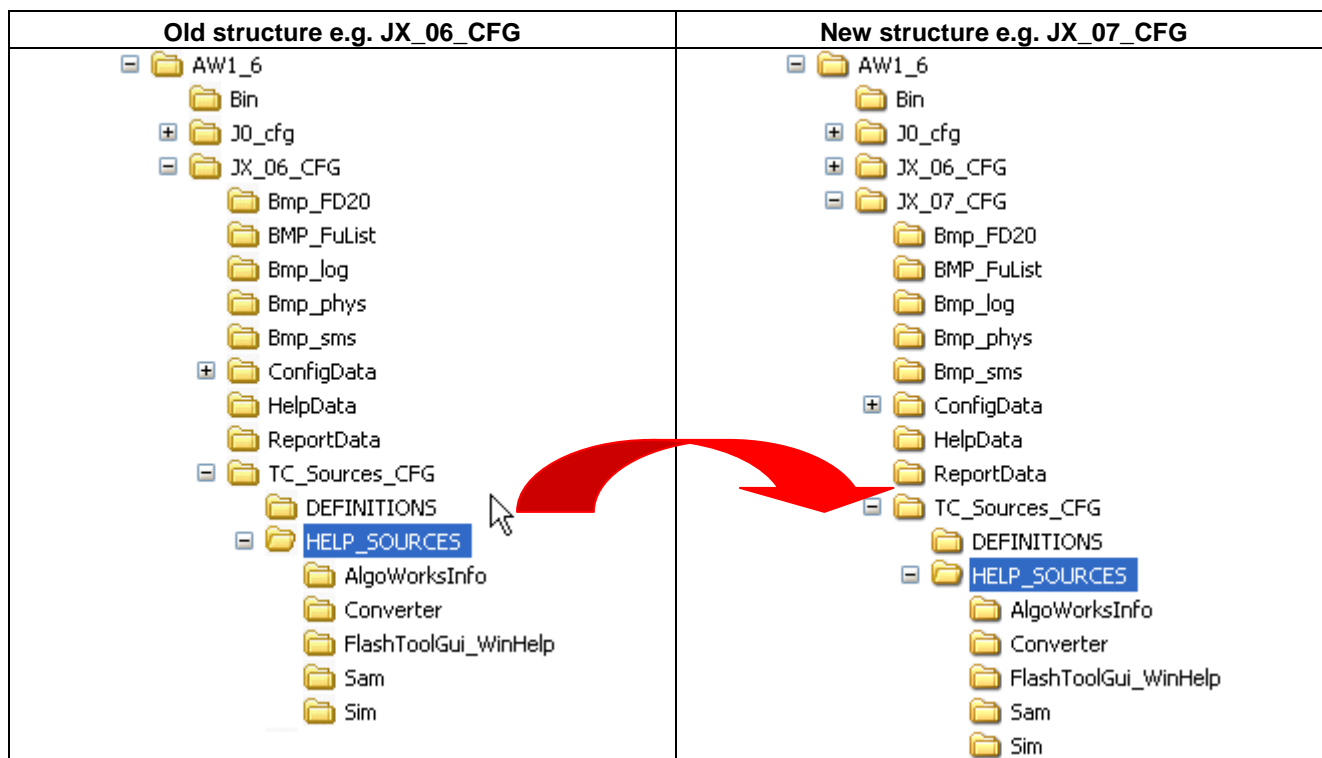
Do not forget to adapt the label of version and the correct date on properties tab.



### 12.3.3 Re-use of Site and Station Management Online-Help topics

New online help projects have been created during the AlgoWorks installation, but the old modified / translated topics can be re-used.

Copy your already modified / translated files from the old folder structure to the new structure.



Do not forget to adapt / translate the new/changed help topics within the new structure. The flash icons in the compiled help file (\*.chm) indicates where the new / changed topics can be found.

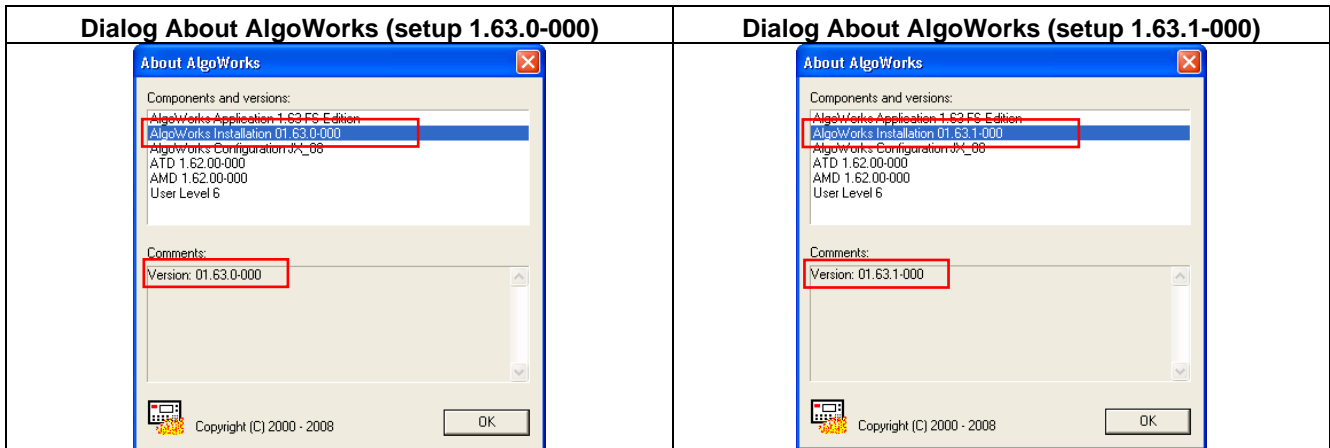
## 12.4 Update with setup 1.63.1-000 based on setup 1.63.0-000



Unfortunately after carrying out the setup version 1.63.0-000 the AlgoWorks online help topics are not included in the corresponding folders. Therefore the new setup version 1.63.1-000 must be carried out to update the AlgoWorks online help environment. Manually adaptation has to be done as well.

### 12.4.1 Checking which setup version is installed

To check which setup version has been carried out in the past, the dialog “About AlgoWorks” must be opened.



If you have already an AlgoWorks installation, which is based on the setup version V1.63.0-000, it will be possible to update your AlgoWorks environment in two ways.

- Uninstall the setup version 1.63.0-000 and install the new setup version 1.63.1-000 (Recommended if you have not done any country adaptations so far.)
- Update from 1.63.0-000 to 1.63.1-000 directly (Recommended if you have already done some country adaptations.)

### 12.4.2 Uninstall the setup version 1.63.0-000 and install 1.63.1-000



For detailed information about the update procedure, please see document [1] and [2].

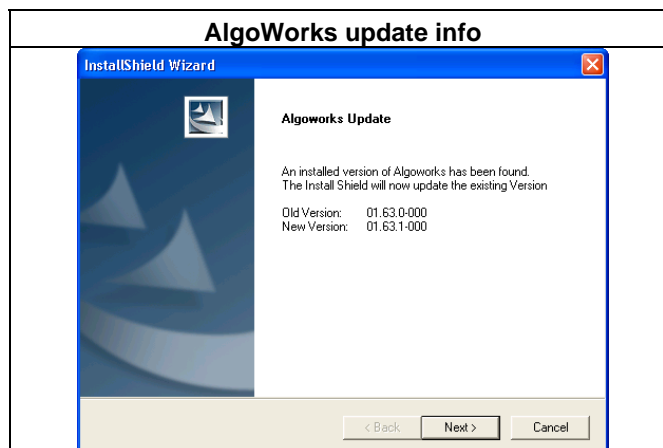


**Back up**

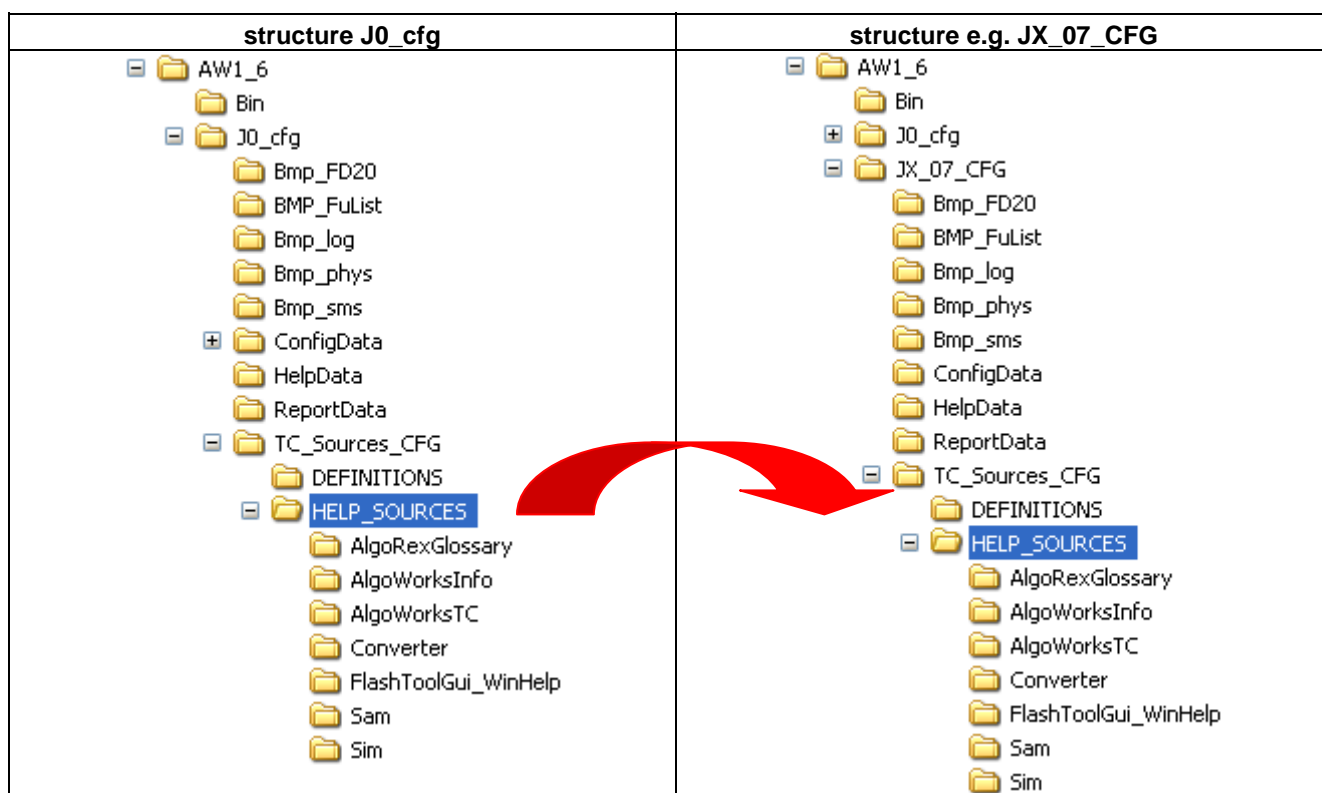
Please save the data before starting with update procedure.

### 12.4.3 Update from setup version 1.63.0-000 to 1.63.1-000 directly

If you carry out the new AlgoWorks installation 1.63.1-000 directly, the following information will be shown during the setup sequence.



Only the Tool Coordinator structure ".../AW1\_6/J0\_cfg" will be updated with the online help topics. Earlier created country versions within the folder "AW1\_6" have to be updated manually by copying the content into to corresponding folders.



Do not forget to re-use older Online-Help topics. See chapter 12.3.3, page 37 for further information.



Do not forget to adapt / translate the new/changed help topics within the new structure. The flash icons in the compiled help file (\*.chm) indicates where the new / changed topics can be found.

## 12.5 Update BDV Configuration

### 12.5.1 Update to xx\_114x\_790\_xx

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If some minor country modifications have to be done to get a country adapted version, it might be the best to create a new country version, based on international versions J0\_1140\_790\_02 and J0\_1145\_790\_02 and redo the minor changes on the new country version again.

If some major country modifications have to be done, the head quarter is able to re-use some parts from a BDV version based on J0\_114x\_780\_03.  
Please contact HQ (Product Manager) for detailed information.

Please be aware that not all countries can be supported at the same time.



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The final adaptations have to be done by the Tool Coordinator from the corresponding country anyway.

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### 12.5.2 Update to xx\_114x\_800\_xx

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If some minor country modifications have to be done to get a country adapted version, it might be the best to create a new country version, based on international versions J0\_1140\_800\_01 and J0\_1145\_800\_01 and redo the minor changes on the new country version again.

If some major country modifications have to be done, the head quarter is able to re-use some parts from a BDV version based on J0\_114x\_790\_02.  
Please contact HQ (Product Manager) for detailed information.

Please be aware that not all countries can be supported at the same time.



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The final adaptations have to be done by the Tool Coordinator from the corresponding country anyway.

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## 12.6 Update Embedded Software

### 12.6.1 Update to Embedded SW 790

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Install the Standard Embedded SW setup Package 790. Follow the procedure described in document [2] 'Embedded SW installation'.

### 12.6.2 Update to Embedded SW 800

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Install the Standard Embedded SW setup Package 800. Follow the procedure described in document [2] 'Embedded SW installation'.



# 13 Documentation

The following documents have been updated and published on Siemens Intranet.

New Document	Document name	Description / restriction
008478_d_de	Vorgehen beim Planen einer Sinteso-Melderlinie	Adaptation of device names, deleted devices such as FDCO221 and FDCIO221.
008478_d_en	Procedure for the planning of a Sinteso detector line	
001099_p_de	Baugruppenübersicht	New E3H021 added, spare part lists updated
001099_n_en	Overview of components	
001260_n_de	Beschreibung Hardware, Einschübe	New E3H021 added
001260_m_en	Hardware description, modules	
008725_f_de	Planen und Projektieren	E3H020 replaced by E3H021, spare part lists updated
008725_e_en	Planning	
008726_b_de	Inbetriebsetzung Hardware	New E3H021 added, E3M220 deleted
008726_b_en	Commissioning of hardware	
007645_h_--	CS11.1, Inhalt des Handbuchs CS11.1, Content of manual	Updated document versions
007643_h_--	CS11.2, Inhalt des Handbuchs CS11.2, Content of manual	Updated document versions



The latest AlgoRex documentations are available on Siemens Intranet.

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Section 9