

IED Connectivity Package version 2.1 for Relion® 650 series Read Me

Dear Reader,

This document describes the system and hardware requirements as well as known issues and limitations of the IED Connectivity Package version 2.1 for Relion® 650 series.



1. System Specification

1.1 System Requirements

Operating System: Windows Vista SP2 / Windows 7 / Windows 8 / Windows 8.1 / Windows 10 / Windows Server 2008 R2 / Windows Server 2012 R2

1.2 Hardware Requirements, minimum/recommended:

Technical data		
Hardware	Minimum	Recommended
CPU	1.5 GHz	2.4 GHz
RAM	2 GB	4 GB
Free hard disk space	4 GB	8 GB
Monitor	1024 x 768	1280 x 1024
Ethernet port	required	required

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2. Fixed problems

Sl. No.	Issue	Comments
1	After "Restore all default values" in PST, the automatic hiding of unnecessary parameters does not work.	
2	Common Read fail will not reset HW settings to default values, instead it retains earlier values.	
3	Display types shown in Configuration Wizard and Hardware Configuration Tool are in relation to the selected Housing type. Also Housing types and Display types are shown in sorted order.	
4	Fixed signal functionblock output values are shown in ACT online monitoring for 650 IEDs.	

3. Known issues and limitations

Sl. No.	Issue	Workarounds, Clarifications and Helpful Hints
1	Default report control block does not exist for the default data sets defined.	Create report control blocks in IET600
2	ConnPack 2.1 does not support SAB (or COM600, as it was previously called)	
3	To handle different units for temperatures, different functions are used.	
4	User is not allowed to perform any write operation if any external client (even LHMI navigation) is using the IED or if a settings menu is accessed on the LHMI.	
5	Parameter read/write operation may fail if DR is storing data in the IED (in that very moment).	
6	If the user changes the IP address of an IED in the Object Properties (in PCM600), this will not change the configured IP address of that respective port in the IED (when you do a Common Write – for example).	In order to do that, you need to change the IP address in the Parameter Settings.
7	After the installation of the 650 series ver. 1.1 documentation, the documentation for the ver. 1.0 modules is not available anymore from within the PCM600	The documentation is still available on the disk, under C:\Program Files\ABB\Connectivity Packages\IEDConnPackRE_650\Documentation And it can be opened from there.
8	Users need to be aware that if IED restart message is displayed in the output window, they need to wait for a couple of minutes before proceeding with any other operations towards IED.	
9	User will not be able to delete the recordings from the IED if authority is enabled and change lock is activated in the IED.	
10	Migrating configuration from 650 series version 1.0 to version 1.2.1 might not work in some cases.	Contact ABB support organization for directions.
11	It is not recommended to install ConnPack or documentation on network location	
12	Scheduler will not work if authority is enabled in the IED (i.e. Users have been created with IEDUM)	
13	Blinking LEDs are not resetting when user download new application in to the terminal.	Work around for the problem is that user can reset LEDs through LHMI client.
14	If PCM600 displays "PCM600 is running low on memory" message to the user, then it is	Re-start PCM600

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	recommended to save the current work done by the user then close PCM600, and re-start PCM600 to continue working with PCM600.	
15	If there are multiple IED objects in PCM600 connected to same IP address and in the event of reboot/timeout from IED, if user gets "IED is dead or connection lost/Connection to IED failed" message, then the user shall re-start PCM600 before interacting with the IED.	Re-start PCM600
16	Cannot do a compare on-line of different versions of same IED type	
17	If user tries to perform read/write operations to an IED from more than one tool in PCM600 at the same time, it is possible that "Function Sequence Error" is shown	Use one tool at a time
18	Before performing Configuration Migration (ICM) from 1.x to 1.3, all defined users in IEDUM should be removed.	
19	CRW – When an IED is configured offline then Common Read should be preceded with Online LUT	
20	Scheduler will not work in Win 7 Standard User. The standard user of Windows 7 cannot start Windows services.	A user should start PCM600 as administrator to be able to perform this operation.
21	To be compliant with COMTRADE format, only use ASCII strings for UDN.	
22	The Read/write operations will fail if the user accesses Parameters through the LHMI. The workaround is to navigate away from parameters menu in LHMI before Read/Write operations.	

4. References

Document no.	Title
1MRG022338	Configuration Migration for 650 series in PCM600 Ver. 2.7 and later