

1 Introduction

This document summarizes purpose, new features of the Software Version: 83 for the Projects Bordline CC1500 AC 25kV M 2300 fitted in 1500 Amp IGBT Based Traction Converter equipped with PEC Trac Controller and Leroy Make VCU only.

2 Release Notification


2.1 Modifications/Improvements in software version 83

- Change implementation done for Energy Saving Scheme as per RDSO and CLW Modification Request C-D&D/T-24 and RDSO Spec RDSO/2008/SPEC/0071/Rev5.
This Change includes the following feature:
 - The Energy Saving Mode Activation bit comes from BUR which disables the Converter coolant flow Low trip and Transformer Pressure Low trip over the period of ES mode activation.

All the modifications of the new SW release are verified by testing the new functionalities comprehensively on the real time setup.

3 Field Action

With the RTS test results, and test result of version 83 for ESS it is recommended to upload the software into Locomotive and test the application as per the Requirement.

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1 Introduction

This document summarizes purpose, new features of the Software Version: 82 for the Projects Bordline M130-260 converters equipped with PEC 80 Controller and ABB make Leroy VCU only.


2 Release Notification

2.1 Modifications/Improvements in software version 82

- Change implementation done for Energy Saving Scheme as per RDSO and CLW Modification Request C-D&D/T-24 and RDSO Spec RDSO/2008/SPEC/0071/Rev5.
This Change includes the following feature:
 - Energy saving mode activation will switch off BUR 1 and BUR 2 under these condition:
 - All BUR in service.
 - Tractive/braking effort is Zero. (Reverser in neutral position OR node ≤ 570)
 - Speed should be Zero.
 - No Vent level will be active.
 - If the aforesaid condition prevails for 5 minutes, then BUR1 and BUR2 disables and “**Energy saving mode activated**” will be displayed in the DDU as a POP-UP.

3 Field Action

With the test result of version 82 and joint inspection of SW with IR it is requested to upload the software into Locomotive and test the application as per the Requirement.

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