

1 Introduction

This document summarizes purpose, new features of the new Software Version: 92 for the Projects Bordline® M130/M260 auxiliary converter Redesign and Classic and Software Version: 67 for Battery Charger.

2 Release Notification

2.1 Major bug in former SW

- Non-availability of pop up message of Battery Charger.

Solution: Implemetation of following signals

7702-MBatChLoPr2: Bat. charge current below 10A in case the Ibatt < 10 Amp and BCC Running.

7701-MbatLowShDn: Battery voltage below 82 Volts if Ubatt external < 82 Volts.

7701-MBatLowPr1: Battery voltage below 82 Volts if Ubatt external < 86 Volts.

7701-MBatLowPr2: Battery voltage below 82 Volts if Ubatt external < 92 Volts.

2.2 New features and extensions in the converter SW

- Integration of Aux Converter Parameter in DDU.

Solution: Implemented as per CLW Letter No. C-D&D/T/11(Part), Vol.II Annexure-DDU signals.

Below Ports Implemented: 3900, 3950, 4000.

3 Release Approval

- By the verification of modification, this software and firmware release is valid for installation or downloading on the target system.

3.1 Verification of Modification


All the modifications of the new SW and FW release will be verified by testing the new functionality on the converter on the vehicle and made valid to install in other locomotive.

4 Required tools / systems and versions for installing this SW

Tool Name	Version	Manufacturer	Function
PEC Tool	2.5.2.1	ABB	Download tool

5 Field Action

With the RTS test result and locomotive tests, It is recommended to upload the software into the entire applicable fleet for improved converter reliability and to address the different issues reported by zonal railways.

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