

1 Introduction

This document summarizes purpose, new features of the Software Version: 40 for the Projects Bordline CC1500 AC 25kV M 2300 fitted with PEC2/ PEC3 locomotives used in WAG9/ WAP7 type locomotives.

2 Release Notification

2.1 Major bug in former SW Ver-39

IGBT Blast failures due to non- opening of VCB on a timely basis, and synchronization of LC pulse stopping at the time of failure

2.2 New features and extensions

- a) The consistency of fast command to open VCB (through opening of the VCB holding circuit contact) has been ensured
- b) The 'turn off' of LC pulsing in case of opening VCB is now made immediate to protect IGBT Blast failures in case of manual VCB opening and other converter faults

2.3 Additional Features

- a) Increased wheel power (from 5400HP to 6000HP) enabled for WAP5 type locomotives

3 Release Approval

By the verification of modification of this new software, this Software Release is valid for installation or downloading on the target system.


3.1 Verification of Modification

All the modifications of the new SW release will be verified by testing the new functionalities comprehensively first on the real time setup and then on the locomotive

4 Field Action

The new software version is downloaded in below Locomotive and taken the successful field trial to confirm the implemented feature and validate the software.

Sr. no.	Loco No	shed	date	Sr. no.	Loco No	shed	date
1	30093	BRC	02.03.19	5	30118	GZB	30.03.18
2	30114	BRC	09.03.19	6	30117	GZB	04.01.19
3	30090	BRC	19.03.19	7	30101	GZB	05.01.19
4	30094	BRC	19.11.18	8	30116	BRC	26.02.19

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