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Ref. No: ABB/4118/CLW/SER/PE/0030

Date: 08.01.2021

To,
Centre for Design & Development
Chittaranjan Locomotive Works
Chittaranjan, West Bengal- 713331

SSE/2021/ARV
JW
13-01-2021

Kind Attention: Shri S.S.Yadav (Dy.CEE/D&D-I/CLW/CRJ)
Subject : Request to uploading Software ver 50.5 (test version) of VCU reset in WAP-7 locomotives for trial purpose.
Reference : RDSO Modification Sheet no RDSO/2018/EL/MS/0475

Dear Sir,

With reference to the above subjective matter, we are pleased to submit the software release note to uploading VCU reset software version – 50.5 (test version) to address the pending issues of CE reset during operation as per reference.

Accordingly find herewith enclosed:

- 1) Change note for Software Version-50.5 Doc. No.: 2UDB271271 ZAB 919, Rev-A

The above software successfully tested. Hence, herewith request you to provide the approval to upload this software (V50.5) in WAP-7 to monitor performance. After satisfactory performance we will be releasing new software ver 51 with including all the improvement of test version to uploading all the fleet on a regular basis.

We are pleased to revert, in case if any additional information required.

Thanking you and assuring you the best of our services, we remain.

Yours Sincerely,

Arvind Kumar Pandey
Service Head- Traction
ABB India Limited
Mo-91-9513500140

Encl- Release note attached
Copy- DSE/TPL/RDSO : For information please.

ABB India Ltd

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1 Introduction

This document summarizes purpose, new features of the existing Software Version: 50 for the Projects Bordline CC1500 AC 25kV M 2300 fitted in 1500 Amp IGBT Based Traction Converter equipped with PEC Trac Controller. New version compiled as software version 50.5

2 Release Notification

2.1 Major bug in former SW Ver-50

- TE /BE not generated after resetting though CE Reset switch at speed more than 3 Kmph.

2.2 New features and extensions

- a) Implementation of CE Reset during operation as per RDSO Modification Sheet no RDSO/2018/EL/MS/0475

Solution: SLG1_103 /SLG2_203 XSpeed signal optimized after CE Reset to restore the driving direction FLG1-1035_0 47-BdriveDirec1 and 47-BdrivDirec2 from FLG.

3 Release Approval

Subjective modifications of the new SW Functionality has been verified comprehensively through real time testing (RTS) and released to feild action for redesign Traction converters.

4 Field Action

Based on the RTS test results, it has recommended to upload the software into the Locomotive and test the application to meet the RDSO requirement with improved converter reliability and also to address the Specific issues reported by zonal railways.

Prepared	Sutanu Ganguly	18.12.2020	Project	CLW 3-Phase Locomotives	No of pages 1		
Reviewed	Ramu S	18.12.2020	Title	Change note for Software Ver-50.5			
Approved	Ramu S	18.12.2020	Converter	Bordline® CC1500 AC 25kV M2300 004 B01			
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