

प्रगत संगणन विकास केंद्र  
CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

इलेक्ट्रॉनिक्स और सूचना प्रौद्योगिकी मंत्रालय का आर एवं डी संगठन, भारत सरकार  
R&D Organization of the Ministry of Electronics and Information Technology, Government of India

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C-DAC(T)/PEG/CLW/2020

06.10.2020

Chief Electrical Engineer  
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Sir,

Sub: Release of version software for WAG9H/WAP7/WAP5- reg.  
Ref : E-mail dated 18.09.2020 regarding WAG9H/WAP7/WAP5 software

Feature enhancements and additional technology enhancements with respect to C-DAC developed VCU is being implemented by C-DAC, Thiruvananthapuram under licensing mode for release to ToT partners. This mode is followed, after consultations and discussions with CLW at different stages. As per the discussions, C-DAC has completed the development of 4 software packages for VCU under codes VCU/ET/01 to 04.

As per the e-mail under reference, these upgraded software packages developed by C-DAC need be uploaded in CLW website. However, only M/s ABB India Ltd. has purchased the license for the above-mentioned software packages. Hence, uploading the software packages in CLW website can be done with the restrictions that it will be used only in systems of the licensed Parties.

Therefore, we request you to kindly inform a suitable mechanism for this release control, before the software is uploaded on CLW website.

Thanking you,

Yours faithfully,

(Renji V Chacko)

**Rolling Stock Software for WAP7 locomotives with CDAC VCU**

Loco type	WAP7
Version No	1A00
Date of release	06.10.2020
Description	Software for WAP7 and its Push pull operation
Version	Release Version

**Major modifications in present release:**

1. BPCS stuck on issue resolved
2. BPCS and LSP indication showing in DDU graphics
3. Aux winding earth fault getting displayed in DDU screen
4. Brake released screen in DDU
5. Vigilance functionality working
6. Hotel load indication in both CAB1 and CAB2
7. Push pull segments
8. Distance calculator for VCB off in neutral section
9. Enabling of HLC of master and slave locomotive
10. DDS mapped for neutral section negotiation

( **Note:** The issues in test release of software: 1010 released earlier is corrected in this release version)

**Note:**

1. The above release of software is as per M/s ABB India Limited, PO number: 3791169175 dated 22.01.2020, for the supply of, Software for WAP7 Push pull operation (VCU/ET/02) and compatibility with FUPLA version 2130 for WAP7( VCU/ET/03).
2. This release version is licensed only to M/s ABB India Ltd, for CDAC VCU application.

**Rolling Stock Software for WAP5 locomotives with CDAC VCU**

Loco type	WAP5
Version No	3A00
Date of release	06.10.2020
Description	Software for WAP5 and its Push pull operation
Version	Release Version

**Major modifications in present release:**

1. BPCS stuck on issue resolved
2. BPCS and LSP indication showing in DDU graphics
3. Aux winding earth fault getting displayed in DDU screen
4. Brake released screen in DDU
5. Vigilance functionality working
6. Hotel load indication in both CAB1 and CAB2
7. Push pull segments
8. Distance calculator for VCB off in neutral section
9. Enabling of HLC of master and slave locomotive
10. DDS mapped for neutral section negotiation

( **Note:** The issues in test release of software: 3000 released earlier is corrected in this release version)

**Note:**

1. The above release of software is as per M/s ABB India Limited, PO number: 3791169173 dated 22.01.2020 and PO number: 3791173090 dated 26.06.2020, for the supply of, Software for WAP5 and its Push pull operation (VCU/ET/01 and VCU/ET/04).
2. This release version is licensed only to M/s ABB India Ltd, for CDAC VCU application.