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भारत सरकार-रेल मंत्रालय
अनुसंधान अभिकल्प और मानक संगठन
लखनऊ- 226011
Government of India - Ministry of Railways
Research, Designs & Standards
Organization, LUCKNOW - 226011

No. EL/4.2.17

Date: 29.07.2019

1. M/s C-DAC, P.B. No. 6520, Vellayambalam, Thiruvananthapuram - 695033, Kerala.
2. M/s ABB Limited, Nelamangala Taluk, Bangalore - 562 123
3. M/s. BHEL, EDN, PB.No.2606, Mysore Road, Bangalore-560 026
4. M/s. BTIPL, ERDA Road, Maneja, Vadodara-390 013
5. M/s. CGL, Plot No. 9, New Industrial Area, Mandideep - 462 046.
6. M/s Medha Servo Drives Pvt. Ltd., Nacharam, Hyderabad - 500076
7. M/s Secheron Hasler (INDIA) Pvt. Ltd. 310, 3rd floor, global foyer, sector 43, Golf course Road, Gurgaon 122002, Haryana.
8. M/s Klovertel Private. Ltd. 24 -30 Okhla Industrial Estate Phase III, 110020, New Delhi, INDIA

Sub. Meeting at Railway Board on 22.07.2019 on interfacing the passenger comfort amenities like Passenger Information System (PIS), Door Opening and Closing System etc with the TCN Compliant VCU.

Kindly find enclosed herewith a copy of Minutes of the Meeting held at Railway Board, New Delhi on 22.07.2019 on interfacing the passenger comfort amenities like Passenger Information System (PIS), Door Opening and Closing System etc with the TCN Compliant VCU for kind information and necessary action please.


(Suresh Kumar)

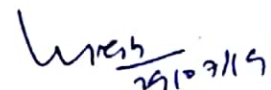
DSE/TPS

For Director General (Elect.)

Encl: As above.

Copy to:

1. Secretary (Electrical Engg./RS), Railway Board, Rail Bhawan, New Delhi-110 001.
(Kind attn.: Shri A.K. Goswami, DEE/RS): For kind information.
2. Principal Chief Electrical Engineer, Chittaranjan Locomotive Works, Chittaranjan - 713331 (WB): For kind information.


(Suresh Kumar)

DSE/TPS

For Director General (Elect.)

Encl: As above.

Meeting at Railway Board on 22.07.2019 on Interfacing the passenger comfort amenities like Passenger Information System (PIS), Door Opening and Closing System (DOCS), etc with the TCN Compliant VCU

Members Present:


Railway Board	Shri Kishore Kumar, EDEE/RS " A K Goswami, DEE/RS
RDSO	" Suresh Kumar, DSE/TPS
CLW	" R. P. Bharati, Dy CEE/D&D " Pankaj Kumar, ADE/D&D/CLW
M/s ABB	" Babu Shanmugam, Sr Control Engineer
M/s CGL	" Sanjay ostwal unit head traction electronics. " Sudhir Yadav Manager. " Shobit Dube Manager.
M/s BTIL	" C Ramanujam head of business development. " Gaurav Joshi, Manager TCMS
M/s Medha	" Dinakar Reddy- sr.manager marketing " Venu Sr.engineer marketing " Ambernath Manager Design
M/s BHEL	" SB Chowdhery DGM/EDN/Bangalore " Pramod Khanduri DGM/TBSG/New Delhi " Sushil Kumar Sr. DGM/TBSG/New Delhi " Aditya Kumar Dy Manager/TBSG/New Delhi
M/s Sechron	" Mr. Federico Allegrini, bld manager " Vatsal Butala, Manager-Sales " Sandeep Kumar Manager - Projects
M/s Klovertel	" Karan Mehra, CEO and MD, Klovertel Pvt Ltd " Kalpesh Kansgara, Technical Sales Manager
C-DAC	" Nevin Samuel, Scientist-E, " Dhanesh PR, Principal Engineer

The meeting was held to discuss the issue of interoperability of the different makes of WTB gateways in push-pull mode and to explore the feasibility of interfacing the passenger comfort amenities like Passenger Information System (PIS), Door Opening and Closing System (DOCS) etc with the TCN Compliant VCU.

1. CLW made a presentation which elucidated a general arrangement of PIS, DOCS, etc in a passenger train equipped with TCMS and WTB gateway.
2. RDSO has informed that a meeting was held in RDSO on 10.07.2019 to for framing the Interface Control document (ICD) in order to have the interoperability of WTB gateway among different makes. The comments of only CDAC. Duagon and Sechron haven been received. Based on these comments the final ICD shall be prepared by RDSO and will be shared with the suppliers for the final comments.
3. Different possibilities were brought out by different firms for implementation of DOCS along with their interface with the WTB.



4. M/s CGL Informed that they have implemented DOCS in DEMU and in that they have used WTB in each coach which is interfaced with Car Control Unit which in turn is interfaced with the Door Control Unit (DCU). They have used this system in rake having only 8 coaches.
5. M/s BHEL Intimated that they have used WTB gateway in each Motor Coach (MC) in the AC EMU. For the rest of the coaches the local MVB is extended from the nearest WTB gateway.
6. M/s BTIPL informed that They have not used WTB instead they have extended MVB in the coaches also which is used to control DOCS/DCU in some of the metro rakes.
7. From the discussion it was clear that a number of combinations are available and the one suitable for the IR specific requirements may be used.
8. All the firms were of the view that the facilities like CCTV, films, infotainment, etc through WTB is not advisable as it requires large bandwidth.
9. It was decided that all the firms shall submit details of the arrangement of WTB or other suitable protocol for the requirements of the Indian Railways to RDSO by 09.08.2019. Specific comments on the use of Ethernet and its pros and cons may also be submitted.
10. Details of existing DOCS systems and their interface and protocol with the WTB may also be submitted to RDSO by 09.08.2019.
11. Also, the firms are requested to submit the details of the VCU software modification which shall be required to extend the facility of the DOCS, PIS, etc to RDSO by 09.08.2019.


29/07/19
(DSE/TPS)