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भारत सरकार/GOVERNMENT OF INDIA  
रेल मंत्रालय/MINISTRY OF RAILWAYS  
रेलवे बोर्ड (RAILWAY BOARD)

No. 2019/SIG/17/36/ETCS L-2

Dated: 13.11.2019

Director General,  
RDSO,  
Manak Nagar, Lucknow.

**Sub: Interoperability of TCAS and ETCS Level-2 ATP Systems.**

Works of TCAS & ETCS Level-2 are in progress on Indian Railways. It is in very likelihood that a locomotive equipped with TCAS onboard equipment may run on a territory equipped with ETCS Level-2 or vice versa. Hence, inter-operability between the two systems is very important. RDSO is required to develop suitable Specific Transmission Module (STM) for inclusion/modification in the technical specifications of TCAS and ETCS Level-2.

2. Internationally, such types of interoperable train operation is possible between ETCS Level-2 equipped trains and national ATP system equipped trains. This is required to be done in a time bound manner so that Railways can be apprised to include this aspect in all the procurement plans and processes.

This issues with the approval of MST.

  
(Anshul Gupta) 15/11/19  
Principal Executive Director/Signal