

GSM-R Cab Audio Communication Unit (CACU) Operation - Point to Point Calls

Version 2.0

AUDIENCE:

Train Crew

Maintenance Staff & Cleaners

Signallers

Control Office

This bulletin is aimed at users of the cab radio, and is provided for information and action as appropriate.

Functionality Issue

This Bulletin has been published to inform Train Crew and Signallers of a functionality difference with the Cab Audio Control Unit (CACU) on some vehicles with a single handset after modification to work with GSM-R.

This information should be re-briefed as necessary to maintain knowledge.

Symptoms

On some vehicles and before the installation of GSM-R on the affected vehicles, once a call had been initiated from either the driver or the signaller, should the driver need to select PA, Cab to Cab or Passenger Communication Alarm, the call would remain in place and the driver could re-enter the call by reselecting the radio on the CACU.

On the affected vehicles, if another mode is selected on the CACU after a point to point call (e.g an Urgent 'Yellow Button' call) call has been made or received, the GSM-R terminates the call. This can cause confusion. The Driver will have to initiate the call again.

This does not happen within a Railway Emergency Group Call (REC / Red Button Call) or General Broadcast call. During a REC or General Broadcast, the call is kept open by the Network until the call is terminated by the signaller or initiator. If a driver changes mode on the CACU during this time, the Driver will be able to re-enter the REC or General Broadcast by reselecting the (GSM-R) Radio function on the CACU.

Action

Drivers should avoid changing mode to PA, Cab to Cab or Passenger Communication Alarm Call whilst in any radio call.

Remember that Point to Point calls (e.g. Urgent 'Yellow Button' calls) will be lost on the affected vehicles if the mode is changed and you will need to call again.

Should a Driver directly involved within a REC require to change mode on the CACU they must advise the signaller that they will be temporarily exiting the REC

To rejoin the REC, the Driver needs to press the "Radio Select Button"

Examples of Affected Vehicles:

Turbostar Vehicles:

170, 171

Electrostar Vehicles

357, 375, 376, 377

Other Vehicles

165, 166, 315

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