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

No. 2017/Sig/3/85th SSC

New Delhi, dated 21.06.2019.

**Executive Director(Co-ord.)/Signal
RDSO, Manak Nagar
Lucknow – 226 011**

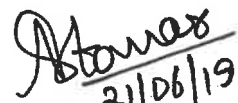
**Sub: Agenda Item no. 1197 of 85th SSC regarding SEM/GR &SR
Items requiring modification**

**Ref: Minutes of 85th SSC issued vide RDSO's letter no. STS/C/85th
SSC Meeting/Vol-1 dated 16.10.2017.**

Vide letter under reference, Recommendations of item no. 1197 of 85th Signal Standards Committee communicated vide RDSO's letter under reference has been considered in Board's Office. Remarks of Railway Board are attached as annexure.

This has the approval of Board (MST).

DA: As above.


21/06/19
(Arjun Singh Tomar)
निदेशक (सिग्नल)


85th SSC Item No. 1197 – SEM/GR &SR items requiring modifications

Item No.	Item	SSC recommendation	Railway Board's Remarks
1197(i)	ER & ECR has proposed amendment in SEM Pt.II Para 17.47.2 regarding resetting of Axle Counter.	<ol style="list-style-type: none"> 1. Provision of line verification box in case of preparatory reset may be removed. 2. Railway Board may kindly review relevant para's of SEM related to axle counter. 	No change is proposed. Status quo may be maintained.
1197(ii)	ER has proposed amendment in GR Para 3.40 – (i) (b) – adequate distance shall be beyond trailing point for 'SINGLE LINE' is required.	Decision may be taken by Zonal Railways in consultation with concern CRS in this regard.	Gazette Notification no. 861 issued on 05 th Dec 2018 which includes modification in GR para 3.40.(copy attached)
1197(iii)	ER: SEM Pt.-I Para 7.168.2 - it is proposed to allow 'AG' marker for signals in station section which may or may not have any points on the route. SECR: In few of the Railways as in SECR AG markers have been provisioned in subsidiary rules.	<ol style="list-style-type: none"> 1. GR should be corrected in line with SEM regarding provision of AG marker. 2. Permitting provision of AG marker for semi automatic gate signal having no point in route may be examined by Railway Board 	If the provision of 'AG' marker is felt necessary along with 'A' marker; traffic branch may pilot amended to GR. Also refer letter no. 2017/Sig/2/CRS-CCRS/Misc dated 04.01.2018 addressed to ER/SECR where-in GR Para 3.17(3) provides for special marker. (copy attached)
1197(iv)	NCR has proposed amendment in Para 21.18.2:Fire Fighting Equipment.	IRSEM para 21.18.2 may be modified in line with the provisions contained in Board letter no. 2015/sig/A/Fire/PI dated 08.11.2016, incorporating following: 'Automatic Fire Detection and Alarm System' shall be provided at all the station irrespective of number of routes. Automatic Fire Suppression System'	Addendum and Corrigendum Slip No. 10 has been issued vide Board's letter No. 2018/Sig/3/Conf./SSC Metg/4 dated 12.03.2018. (copy attached)

		<p>along with 'Automatic Fire Detection and Alarm System' shall be provided at stations with more than 400 routes.</p> <p>Important critical stations and important junction stations having number of routes less than 400 may also be considered by Zonal railways for provision of 'Automatic Fire Suppression System' along with 'Automatic Fire Detection and Alarm System'.</p>	
1197(v)	<p>NCR has proposed amendment in Para 13.38.5(c) Route Release & Para 21.5.2 Route Release Circuits</p>	<p>SSC recommended to modify para 13.38.5 (C) (ii) as 21.5.2 under.</p> <p>"Where sectional route release is provided, it shall be ensured that a sub-route does not release only by picking up of the concerned track relay(s) but the same should be released only after the next track circuit has also dropped and picked up. In case next track circuit happens to be berthing track circuit/siding portion, a time delay of 30 seconds be provided to release the route after occupation of berthing track circuit and clearance of last point zone track." Railway Board may examine the same.</p>	<p>Addendum and Corrigendum Slip No. 14 has been issued vide Board's letter No. 2018/Sig/33-SEM/1 dated 29.05.2019. (copy attached)</p>
1197(vi)	<p>NCR has proposed amendment in SEM Para 21.5.8 Overlap Release. SEM Para 21.5.8 when the route is released by the passage of train, the overlap points shall be released only after the lapse of two minutes of occupation of</p>	<p>SSC is of the view that amendment in para 21.5.8 as suggested by NCR, may be examined by Railway board.</p>	<p>Amendment in SEM para 21.5.8 is not felt necessary. Individual cases to be dealt separately.</p>

	<p>berthing track as well as clearance of last point track circuit of the route. However, in major yards, this timing of route release can be reduced upto 60 seconds with the approval of CSTE. On cancellation, the overlap points may be released simultaneously alongwith the main route".</p> <p>NCR want amendment to add as particular yard layouts where last point track circuit of the route is also part of berthing track circuit, in such situation overlap be released by emergency operation with the pre-determined time delay of not less than 2 minutes.</p>		
1197(vii)	<p>NCR has proposed amendment in SEM Para 21.5.9 Emergency Sub-route Cancellation. Para 7.114 - where required, provision may be made for emergency sub-section route release. Where such release is provided, it shall be possible to release the sub-section only after physical verification of the sub-section by traffic representative and using the emergency sub-route cancellation facility which shall</p>	<p>To modify para 21.5.9 of SEM-II as it is already done, as per the Correction Slip No.16 to the Para 7.114 of SEM Pt-I, as under:</p> <p>"Facility of emergency route/sub route cancellation may be provided, where necessary. Where such release is provided, it shall be possible to release the route/sub-route after a delay of minimum 120 seconds. Every such cancellation shall be recorded on counter and in register to be maintained by traffic representative.</p>	<p>Addendum and Corrigendum Slip No. 13 has been issued vide Board's letter No. 2018/Sig/33-SEM/I dated 07.05.2019. (copy attached)</p>

	release the sub-route after a delay of minimum 120 seconds".		
1197(viii)	NCR has proposed amendment in SEM Para 20.1.3.2 Approach Locking at the gate & Para 20.1.3.3 Audible and Visual Train Approach Warning.	Additional para 20.1.3.4 as suggested by NCR can be added to supplement existing paras and to make provisions of approach locking and approach warning more specific. Railway board may kindly examine the same.	Provisions in SEM para 20.1.3.2 and 20.1.3.3 are adequate. Amendment in SEM as additional para 20.1.3.4 is not felt necessary.
1197(ix)	NCR has proposed amendment in SEM Para 21.18.1 Air-conditioning of Relay Rooms.	To make necessary amendment in para 21.18.1 as per provision contained in the Railway Board letter, incorporating: "Air conditioning be provided for every signal interlocking (PI/RR/I/EI) installation with routes more than 100 nos. Signalling installations with less than 100 no. routes shall also be provided with air-conditioning which are prone to dust (coal dust, stone dust, iron ore, cement etc.) or are in the vicinity of chemicals/fertilizers/leather/other industrial factories releasing harmful fumes or are in areas with extreme temperature." Railway Board may examine the same.	Policy guidelines are issued by Railway Board vide letter no. 2018/Trans. Cell/AC of Panel and Relay rooms dated 07.06.2019. (copy attached)


 21/06/19
 (Arjun Singh Tomar)
 निदेशक (सिग्नल)