



सत्यमेव जयते

भारत सरकार-रेल मंत्रालय  
अनुसंधान अभिकल्प और मानक संगठन  
लखनऊ- 226011

e-mail: [dsetm@rdso.railnet.gov.in](mailto:dsetm@rdso.railnet.gov.in)

Telephone : 0522-2465716

Government of India - Ministry of Railways  
Research, Designs & Standards Organization,  
LUCKNOW - 226011  
Telex: 0535-2424 RDSO-IN  
Fax: 91-0522-2465716



**No. EL/ 4.2.15/Gen**

**Date: 30.04.2019.**

प्रमुख विद्युत अभियंता,	Principal Chief Electrical Engineers,
1. मध्य रेलवे, मुंबई सीएसटी-400 001	1. Central Railway, Mumbai, CST-400 001.
2. पूर्व मध्य रेलवे, हाजीपुर-844 101	2. East Central Railway, Hazipur-844 101.
3. पूर्व तटीय रेलवे, चन्द्रशेखरपुर, भुवनेश्वर-751 017	3. East Coast Railway, Chandrashekharpur, Bhubaneswar -751 017.
4. पूर्व रेलवे, फेयर्ली प्लेस, कोलकाता-700 001	4. Eastern Railway, Fairlie Place, Calcutta-700 001.
5. उत्तर मध्य रेलवे, ब्लॉक ए-2, सुबेदारगंज इलाहाबाद- 211 033	5. North Central Railway, Block-A, Subedarganj, Allahabad- 211 033.
6. उत्तर रेलवे, बड़ौदा हाऊस, नई दिल्ली-110 001	6. Northern Railway, Baroda House, New Delhi-110 001.
7. उत्तर पश्चिम रेलवे जयपुर- 302006	7. North Western Railway, Jaipur- 302 006
8. उत्तर पूर्व रेलवे गोरखपुर- 273001	8. North Eastern Railway, Gorakhpur-273001
9. उत्तर पूर्व फ्रेंचियर रेलवे मालीगॉव गुवाहाटी-781011	9. North East Frontier Railway, Maligaon, Guwahati- 781011
10. दक्षिण मध्य रेलवे, रेल निलायम, सिकंदराबाद-500 371	10. South Central Railway, Secunderabad-500 071.
11. दक्षिण पूर्व मध्य रेलवे, बिलासपुर- 495 004	11. South East Central Railway, Bilaspur-495 004.
12. दक्षिणपूर्वरेलवे, गार्डेनरीच, कोलकाता-700 043	12. South Eastern Railway, Garden Reach, Kolkata-700 043.
13. दक्षिण रेलवे, पार्क टाउन, चेन्नई-600 003	13. Southern Railway, Park Town, Chennai-600 003.
14. दक्षिण पश्चिम रेलवे हुबली-580020	14. South Western Railway, Hubli- 580020
15. पश्चिम मध्य रेलवे, जबलपुर-482 001	15. West Central Railway, Jabalpur-482 001.
16. पश्चिम रेलवे, चर्चगेट, मुंबई- 400 020	16. Western Railway, Churchgate, Mumbai-400 020
17. वित्तरंजन रेल इंजन कारखाना, वित्तरंजन- 713 331	17. Chittaranjan Locomotive Works, Chittaranjan-713 331
18. डीजलरेलइंजनकारखाना, वाराणसी-221004	18. Diesel Locomotive Works, Varanasi-221 004.

**Sub:** Amendment no. 3 of Technical circular no. RDSO/2012/ EL/ TC/119 Rev-1 dated 20.3.2013 for provision of VCD counter in MPSC ver-3 fitted locomotives.

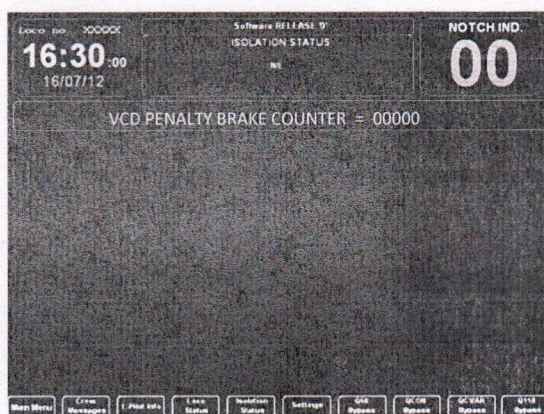
1. Railway Board vide letter no. 2014/safety (DM)/7/1 dated 25.08.2014 had advised for provision of VCD counter in all locomotives.
2. In conventional locomotive equipped with **MicroProcessor** based **Control** and fault diagnostic **System** MPSC version 3 separate VCD device is not provided and VCD functionality is implemented in MPSC version 3 itself.

*(Signature)*

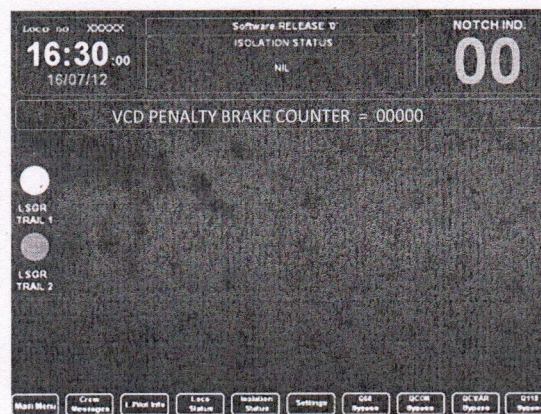


3. To implement the feature of counter in VCD functionality of MPCCS version 3, this amendment of TC-119 revision '1' amends the clause no. 6.2 'Main screen or default screen' given on page number 66/85 And 'Default screen in single Loco' and 'Default screen for multi consist locomotives' given on page no. 67/85 on technical circular number RDSO/2012/EL/TC/119 Rev-1 dated 20.3.2013 as given below:

SN	Parameter	Remarks
1	Loco Number	In 5 numeric digit
2	Date and Time	24hr Time(HH:MM:SS), Date(DD:MM:YY)
3	Notch Number	2 digit
4	Bypass/Isolation status	List of equipment Isolated / bypassed
5	VCD Penalty Brake (PB) Counter	5 numeric digit (0-99999)



Default screen for single loco.



Default Screen for multi/consist Loco.

4. This VCD penalty brake counter cannot be resetted manually or by software. Once the counter value reach to its maximum value i.e. 99999, on the next VCD Penalty Brake (PB) application counter will become 00000 and on the next VCD Penalty Brake (PB) application counter will become 00001 and this cycle will be continue.
5. Technical circular no. RDSO/2012/EL/TC/119 Rev-1 dated 20.03.2013 along with amendment-1, 2 & 3 specifies the technical details of MPCCS version-3 with specification no. ELRS/SPEC/MPC-FDS/0001 Rev.-3 of Apr 2013.

*Handwritten signature/initials in blue ink.*



6. It is advised to modify the software and implement the VCD penalty Brake application counter functionality at the earliest.

*424*  
*30.4.19*  
(P. K. Saraswat)

Encl: as above

For Director General/Elect.

Copy to:

1. Secretary (Elect.), Railway Board, Rail Bhawan, New Delhi- 110 001  
(Kind attention: Sri A. K. Goswami DEE/RS/RB): For kind information please.

2. Firms

i.	M/s. Medha Servo Drive Pvt. Ltd, P-4/5B, IDA Nacharam, Hyderabad - 76	It is advised to modify software of MPCS V3 suitable to implement VCD Penalty Brake (PB) application counter
ii.	M/s. IC Electricals Company (P) Ltd. 156, DSIDC, Okhla Industrial Area, Phase-1, New Delhi - 110 020	
iii.	M/s. Stone India Limited, 16, Taratalla Road, Kolkata - 88	

Encl - NIL

*/*  
(P. K. Saraswat)  
For Director General/ Elect