

भारतसरकार GOVERNMENT OF INDIA
रेलमंत्रालय MINISTRY OF RAILWAYS
(रेलवेबोर्ड RAILWAY BOARD)

No. 2014/M(C)/141/2

New Delhi, dated: 09.05.2017

Chief Mechanical Engineers'
(All Indian Railways)

Sub: Monitoring the performance of Zonal Railways - Coaching

The performance of Zonal Railways shall be monitored on a quarterly basis on the following parameters:


- 1. Punctuality loss:** The data of ICMS shall be taken. De-logging of cases as required should be carried out by the Zonal Railways before the 5th day of the subsequent month. The position as on 5th day of the month shall be considered as final for the purpose of assessing the Zonal Railway performance for the previous month. CRIS (GM/CMM) shall make necessary arrangements to import the ICMS(PAM) punctuality data into CMM and facilitate subsequent analysis for zonal railways by providing a drop down menu for entering the various categories of failures (sub-assembly and component / defect wise) (**Annexure A**). The corrective / preventive action- / remarks shall be entered in the appropriate fields. Data entry in these fields shall be done by the Railway where the case has occurred, if necessary by taking inputs from the Primary Railway. No modification of the data already entered in ICMS shall be permitted.
- 2. Enroute coach detachment:** The data of each case shall be entered in the system by the Railway where the detachment has occurred, if necessary by taking inputs from the Primary Railway. CRIS shall provide the necessary fields in CMM Central application for the data entry by the Zonal Railways.
- 3. Unscheduled coach detachment (Primary and Secondary / Other End):** Data shall be entered by the Railways where the unscheduled detachment has occurred, not only for their Primary trains, but also for the Secondary / Other end trains maintained in their depots. Drop down menus for the Primary Railway, Railway where the last maintenance was carried out, type of last maintenance, category of failure (sub-assembly and component / defect wise) (**Annexure B**) shall be provided by CRIS. The coach number shall be taken from the train No. / spare through the ICMS data which will automatically indicate the owning Railway, coach

type, date of detachment, etc. The date of sick marking and fitness details shall be entered in the system by the respective depots where the coach was detached. Data feeding shall be performed by the Depot in the CM2S2 Module in CMM for which necessary training, login id password, etc. may be collected from CRIS.

It is to be ensured that the data pertaining to a particular month is entered latest by the 5th day of the next month. The first report for the months of April'17 and May'17 shall be due from the Zonal Railways by 05.06.2017.

Based on the monthly reports, the performance of the Zonal Railways shall assessed on a Quarterly basis and shall be uploaded on CMM, so that each Railway may bench mark its performance against the other Railways.

In case of any issues/clarifications, GM/CMM/CRIS may be contacted at p.ananth@cris.org.in, mob 8130088970.

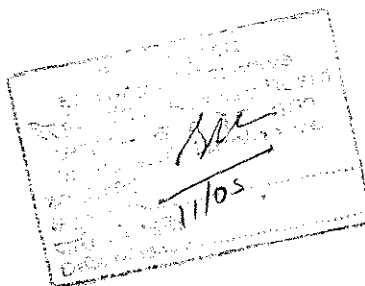

(Brijesh Dixit)
Dir. Mech Engg.(Chg.)
c/l Railway Board

Copy to:

PSO to MRS for the kind information of MRS

PPS to AM/ME for the kind information of AM/ME

GM/CMM/CRIS: With a request to carry out the necessary modifications in CMM, as required.




11/05

Causes of Punctuality Loss cases		Annexure A
S.No.	Sub-assembly	Component / Defect
A.	Mechanical Defects	
1	Wheel Defect	Hot axle / R.B. failure / Face plate or Studs missing
2		Wheel Skidding
3		Other Defects
4	Bogie suspension gear defects	Bogie and Suspension gear defects
5		Hanging parts
6		Broken Springs
7		Other Defects
8	Air Brake system	Air brake system defects
9		Brake Binding
10		Pressure Problem (Leakage from DV, BC, PEAV, etc.)
11		BP / FP Metal pipe broken / leakage
12		BP / FP Angle cock dropped down / leakage
13		BP / FP Burst / Disconnection
14		Other Defects
15	Draw and Buffing Gear Defects	CBC defect, Uncoupling, Train Parting
16		Draw and buffing gear defects / Uneven buffer height
17		Other Defects
18	Structural defects	Failure of structural members (Head Stock, Sole bar, etc.)
19		Other Defects
20	Interior Defects	Passenger Amenities
21		Luggage door defects
22		Other Defects
23	Watering	Watering related issues
24	Cleaning	Cleaning related issues
25	Unusual Sound	
26	Operational Reasons	DVS / Shunting
27		Other Reasons
28	Other Defects	Any Other Defects
B.	Electrical Defects	
29	AC System Defects	Blower / condenser motor earthed / short circuited
30		Less cooling due to Compressor's internal tripping
31		Refrigerant leakage in AC unit
32	Power Supply Defects	Coach dark
33		Smoke emission from V-belts
34		Alternator Defects
35		Axle pulley worked out due to rubber pad missing
36		Battery failure
37		25 kVA inverter tripping
38		DA set defective / not taking load
39	EMU/MEMU Defects	Panto entanglement
40		Panto not rising
41		VCB not closing
42		Pressure not built up
43		Defective Master controller
44	Other Defects	Any other defect

Unscheduled coach detachment (Primary and Secondary / Other End : Annexure B

S.No.	Sub-assembly	Component / Defect
A.	Mechanical Defects	
1	Wheel Defect	Flat tyre
2		Hollow tyre
3		Root radius
4		Sharp flange
5		Wheel crack
6		Wheel shelling
7		Other defects
8	Bogie suspension gear defects	Anchor link broken / defective
9		Anti Roll Bar Cracked / Defects
10		Bogie Cracked / Corroded
11		Bolster Assembly Defects
12		Brake gear bushes defects
13		BSS hanger defects
14		Control Arm Defects
15		Dash pot defect
16		Equalizing stay broken / defective
17		Lateral / Longitudnal Bump Stop
18		Primary spring broken/defective
19		Roller bearing Defects / Axle box canted / Grease Oozing
20		Rubber Spring Primary / Secondary
21		Secondary spring broken/defective
22		Side bearer assembly defective
23		Traction Link Defects
24		Vestibule Defects
25		Other defects
26	Air Brake system	ACP defects
27		BP/FP pipe crack/defects
28		Brake Cylinder / Brake Calliper / Brake Pad defects
29		Brake Disc Defects
30		Brake Panel & DV Panel

S.No.	Sub-assembly	Component / Defect
31		DV defects
32		ICV Defect
33		PEASD Defects
34		WSP Defects
35		Other defects
36	Draw and Buffing Gear Defects	CBC defects / Low CBC height
37		Draw gear assembly
38		Screw coupling defects
39		Side buffer defects
40		Other defects
41	Structural defects	Head stock crack / corroded
42		Sole bar crack / corroded
43		Other defects
44	Interior Defects	Bio Toilet Defects
45		CDTS Defects
46		Furnishing defects
47		Main Door / Vestibule Door / Luggage door
48		Passenger Amenity Works / Other
49		Water Tank / Pipeline defects
50	Other Defects	
B.	Electrical Defects	
51	AC System Defects	AC Unit Duct
52		AC Unit leakage / chocking
53		Alternator defect
54		Compressor Defects
55		Water dropping from roof
56	Power Supply Defects	Battery defect / Low Voltage
57		ERRU/RRU
58		Feeder fault
59		Inverter 25 KVA
60		Transformer defect
61		V Belt defect
62		Wiring (Panel / Under frame)
63	Other Defects	