

**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)**

No. 2020/Tele/15(7)/1

Dated 06.08.2020

**General Manager(S&T)
All Zonal Railways**

Sub: PRIME for Telecom**Ref: Board's letter of even no. dated 03.06.2020**

A Plan for Reliability Improvement Maintenance Effectiveness (PRIME) for Telecom Items was under consideration at Board . Board (MST) has approved the following items of Telecom for inclusion in PRIME:

No	Item	Target
1	100 % Monitoring on NMS of vital Telecom installations (parameters that can lead to communication disruption, Power Supply etc). STMs, MUXs, Railnet Routers, Railnet Switches, Modems, Wifi Controllers, Wi-Fi Access Points, PRS/UTS Network, FOIS Network, IPIS Network, CCTV network , Video Phones, Important Servers such as IP exchange servers, Videophone Servers, Important links such as Video Conferencing, Media Gateways, Internet, MTRC BTSs, BSC, MSC, VSAT Hub and VSAT links. The NMS equipment & software shall be upgradable/modifiable and mostly open source.	100% Monitoring of Vital Telecom Installations on NMS
2	Control Communication to achieve 100% UPTIME with each path having two protection paths on route diversity, pre-configured with automatic patching.	Each Control Communication section to be protected with atleast 2 protection paths with Route Diversity. Switching to protection links in case of main link failure shall be automatic.

I/3007534/2020

3	IPIS provided as per RDSO Specifications be connected with NTES/COIS servers for Auto Displays and Announcement of running trains, so that manual entry of data is avoided. Manual Entry by Commercial staff to be for station specific details e.g platform.	All IPIS as per RDSO Specifications be connected with NTES/COIS servers.
4	GSM MTRC to be managed by networked MSCs, duly protected for Cyber security.	Connecting all MSCs and Configuration of Links for Connecting BSC to other MSCs.
5	VHF Sets: Streamlining repairs and replacements. Repairs to be carried out inhouse or by Authorised Service Agencies.	Not more than 5% of total sets to be defective at a time.
6	Satisfactory functioning of Emergency Telecommunication Equipment viz ART VSATs, Satellite Phones, VHF sets etc.	All in Working Order.
7	Developing Mobile Applications for monitoring health of Telecom gears as mentioned in Item No. 1. SSE/TELE shall be able to monitor all the Telecom assets on his mobile under his jurisdiction. Test Rooms to monitor all Telecom assets for entire Division.	Access of NMS with Android based App to be worked out.
8	Monitoring the testing of Emergency Sockets with GPS based equipment through Mobile Application/Webpage: GPS based Mobile App for tracking the person testing Emergency Socket in real time through a Divisional Map on Webpage.	Development of a Mobile App and a Divisional Map on Webpage, capturing the Location details of Emergency Sockets. The location of Mobile can be tracked in real time on Divisional Map developed on Webpage.

I/3007534/2020

9	Provision of Surge protection (Class-B and Class-C) arrangements at OFC huts, Important Telecom Installations such as Divisional/HQ Exchanges, MSCs,BSCs, BTSs, VSAT Hub etc.	All OFC huts, Divisional/HQ Exchanges, MSCs, BSCs, BTSs, VSAT Hub and other identified vital Telecom Installations to be provided with SPDs.
10	Fire Alarm System: Important Telecom Installations like Major Exchanges, Test Room/Telecom control centers, Data Centers, CCTV Control & Equipment Rooms, MSCs& BSCs of MTRC, Satellite Hubs, mainOFC centers etc. may be provided with Fire Alarm system.	All Divisional/HQ Exchanges, MSCs, BSCs, VSAT Hub, Data Centres and other identified vital Telecom Installations to be provided with Fire Alarm Systems.
11	Provision of Passenger Amenities at stations as per MEA(Minimum Essential Amenities) guidelines issued by Railway Board.	Stations to be provided with MEA as per Railway Board Guidelines.

Zonal Railways are advised to include the Compliance of above PRIME items in PCDO from **Aug.2020** onwards as **annexure T8.2**

Digitally signed by
DHARMENDRA SINGH
Date:Thu Aug 06 14:07:50 IST
2020
Reason: Approved

(Dharmendra Singh)
Director (Telecom)
Ph:030-44613, 011-23388504
E-mail: dtele@rb.railnet.gov.in