



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



No.2023/Tele Dev/ Unified Communication (e-office-3407117)

Dated: 17.04.2023

General Manager
All Indian Railways.

Sub: Networking arrangement for FOIS DR

Ref: 1. Board's letter No. 2021/ Tele Dec/ Unified Communication dated.29.07.2021

2. Board's letter No. 2022/Tele Dev/ Unified Communication dated. 02.11.2022

Vide Board's letter referred as item 2 above, Zonal Railways were advised to provide 02Mbps links for FOIS-DR system if considered inescapable. This requirement has been reviewed in Board along with C&IS directorate in view of the network modernization work being done by zonal Railways. Accordingly, SWR, RailTel and CRIS have done a successful trial for working of FOIS DR using VPLS service of RailTel. Testing was also done using L2 VPN circuits from RailTel. FOIS DR Network has performed satisfactorily in both the cases.

2. Based on the successful trial undertaken, it has been decided to upgrade the FOIS-DR networking scheme to an all Ethernet interface utilizing VPLS services from RailTel.
3. Accordingly, for the networking arrangement of FOIS DR, the following is advised:
 - i. Zonal Railways may hire 2Mbps VPLS Ethernet ports from RailTel at their aggregation locations for connectivity to the DR.
 - ii. RailTel Corporation may provide VPLS service (Hub & Spoke configuration) for FOIS-DR networking.
 - iii. The bandwidth requirement at the DR/DC locations shall be advised by CRIS.
 - iv. In case scalability/ performance issues are observed, the matter may be referred to Board with details.
 - v. The payment for the first year of this service shall be charged to the FOIS-DR estimate. For subsequent years, C&IS directorate shall issue suitable instructions. The charges of the VPN ports shall be as already decided by Board vide its Telecom Circular 5/2020 dated 04.05.2020 and Telecom Circular 2/2020 dated 24.01.2020.
4. This is issued in consultation with C&IS directorate of Ministry of Railways.

राजेश रंजन
17/4/2023
(राकेश रंजन)

कार्यकारी निदेशक (दूरसंचार विकास)

रेल मंत्रालय

011-47843012, edtd@rb.railnet.gov.in

Copy to:

CMD/ RailTel & MD/CRIS for kind information and necessary action.