



## दक्षिण पश्चिम रेलवे

South Western Railway

प्र. मु.संकेत एवं दूरसंचार इंजीनियर कार्यालय, क्षेत्रीय कार्यालय, गदग रोड़, हुब्बल्ली  
PRINCIPAL CHIEF SIGNAL & TELECOMMUNICATION ENGINEER, ZONAL HQ,  
RAIL SOUDHA, GADAG ROAD, HUBBALLI, KARNATAKA - 580020.

सं: No. SG/ SWR/RB Corres/E:3-3

दिनांक : 12/08/2024

CSTE/Project/SBC, CSTE/CN/BNC  
CPMs/GSU UBL, SBC and MYS  
Sr.DSTEs UBL, SBC and MYS

**Sub: Regarding implementation of Trusted Products from Trusted Sources for backbone Telecom network of IR.**

- Ref:** 1. Railway Board Telecom Circular 12/2023 Dated 11.10.2023.  
2. RDSO letter No. RDSO-TELEOLKO(TECH)/8/2020 Dated 09.02.2024.  
3. This office letter No. SG/ SWR/RB Corres/E:3-3 Dated 27.10.2023.  
4. DoT letter No. F.No.20-1236/2021-AS-I dated 13.12.2021 and 10.05.2022.

With reference to the Railway Board Circular 12/2023, referenced under Ref:1, and a recent WhatsApp message from AM/Tele/Railway Board, we would like to draw your attention to the stipulations outlined in Telecom Circular 12/2023 regarding the procurement of LTE e-Node-B, cell site routers, switches, and IP/MPLS routers.

It is imperative to re-emphasized once again the key points highlighted in the Telecom Circular 12/2023 for strict compliance:

1. The backbone network of Indian Railways is paramount in supporting all critical applications and networks, including ticketing, freight operation, and train control (Kavach), necessitating the use of trusted products from verified sources within the railway's backbone network.
2. National Security Council Secretariat (NSCS) of the Government of India has set up a Trusted Telecom Portal (TTP) for ensuring only trusted telecom equipment are being used by the Telecom /Internet Service Providers in India from trusted sources with an aim to address the security concerns of the telecom networks.
3. The NSCS has granted the Railway access to the TTP, making it essential for the Indian Railways to adhere to the guidelines set forth.
4. It is mandatory that all LTE e-Node-B, cell site Routers, Switches, and IP-MPLS Routers to be utilized in Indian Railways' infrastructure undergo clearance through the Trusted Telecom Portal prior to procurement. This directive is to be immediately enforced for all related equipment being procured.
5. Vide under Ref:2, as per RDSO instructions regarding the applicability of the Trusted Telecom Portal (TTP) , it is clearly mentioned that at present it is mandatory for four items i.e. LTE e-Node-B, cell site Routers, Switches and the IP-MPLS Routers irrespective of the specification whether it is for VSS, IP-MPLS Router or VoIP Based TCCS. Inspection of IP-MPLS Switches, VSS and VoIP based TCCS equipments should be carried out accordingly.

Therefore, all concerned are once again strictly advised that the Railway Board/RDSO instructions to adhere, adopt, implement and follow these policy for systematic and professional working of Telecommunication System and professional work for all telecommunication matters over SWR without any deviation and laxity.

In this regard to ensure compliance with the Trusted Telecom Portal requirements for the specified telecom equipment used on Indian Railways. Any non-RDSO approved items should undergo the necessary clearance processes before procurement and deployment.

Moreover, in light of the amendments in Telecom Licenses issued by the Department of Telecommunications in March 2021, and the subsequent instructions issued for the appointment of Nodal Officer for the Trusted Telecom Portal, it is essential to note that not all Licensees have registered on the Trusted Telecom Portal.

In view of the above, it is once again emphasized the utmost importance of ensuring strict compliance with the directives issued in the Railway Board Circular 12/2023, and prompt action must be taken in the right professional spirit to ensure the registration and compliance with the Trusted Telecom Portal.

Compliance to be submitted to this office before 19.08.2024 for appraisal of Railway Board/RDSO.

Encl: All reference letters

**(जय प्रकाश शिवाजी/Jai Prakash Shivaji)**  
**मुख्य संचार अभियंता/Chief Communication Engineer**

**Copy to:**

1. PCSTE/SWR; for kind information please.
2. CSTE/Plg/SWR: (Nodal Officer of TTP for SWR): for kind information please.



**ನೈಋತ್ಯ ರೈಲ್ವೆ/दक्षिण पश्चिम रेलवे/SOUTH WESTERN RAILWAY**

प्रधान मुख्य संकेत व दूरसंचार अभियंता का कार्यालय, प्रथम मंजिल, रेल सौधा, गदग सडक, हुबल्ली।

Principal Chief Signal & Telecom Engineer, Rail Soudha, Gadag Road, Hubballi-20

सं. No. SG/SWR/ IP-MPLS/E-2-19

दिनांक Date: 19.04.2024

**CSTE/PROJ/UBL, CSTE/Planning  
CSTE/CN/BNC,CPM/GSU UBL, SBC & MYS  
Sr.DSTEs UBL, SBC & MYS**

**विषय:** Applicability of Trusted Telecom Portal (TTP) for Inspection of Non-RDSO approved Telecom Items.

**संदर्भ:** 1.RDSO Letter No.RDSO-TELE0LKO(TECH)/8/2020 to ED/QA/S&T/RDSO/SBC, Dated 09.02.2024.

2. Railway Board's Telecom Circular No. 12/2023, Dated 11.10.2023.

3. Authority Para b) section A of Chapter-I of Indian Railway Telecom Manual 2021.

Vide Railway Board's Telecom Circular No. 12/2023, Dated 11.10.2023 (copy enclosed), Railway Board emphasizes the use of trusted products from reliable sources to maintain network integrity and security. Railway Board has directed that the LTE e-Node-B, cell site routers, switches and the IP/MPLS routers that will be used on Indian Railways should be got cleared through the Trusted Telecom Portal before the supply of equipment & it is applicable with immediate effect for all equipment being procured.

Vide RDSO Letter under Ref-1 Dated 09.02.2024, (copy enclosed), RDSO reiterated that at present it is mandatory for four items i.e. LTE e-Node-B, cell site routers, switches and the IP/MPLS routers irrespective of the specification whether it is VSS, IPMPLS Router or VoIP Based TCCS. Inspection of IPMPLS Routers, VSS and VoIP based TCCS equipments should be carried out accordingly.

Therefore, all concerned are once again strictly advised that the Railway Board/RDSO instructions to adhere adopt for implementation and follow this policy for systematic and professional working of Telecommunication System and professional work for all telecommunication matters over SWR without any deviation and laxity.

in this regard to ensure compliance with the Trusted Telecom Portal requirements for the specified telecom equipment used on Indian Railways. Any non-RDSO approved items should undergo the necessary clearance processes before procurement and deployment.

Compliance to be submitted to this office for appraisal of Railway Board/RDSO.

**Matter should be treated as Important and Most Urgent.**

**Encl:** Letters in Ref-1&2.

**(जय प्रकाश शिवाजी/Jai Prakash Shivaji)**  
**मुख्य संचार अभियंता/Chief Communication Engineer**

Copy to: 1. **Dy.CSTE/Proj/SBC:** for necessary action to ensure Applicability of Trusted Telecom Portal (TTP) for Inspection of All Non-RDSO approved Telecom Items.

2. **Dy.CSTEs/CN/SBC & UBL** for necessary action for necessary action to ensure Applicability of Trusted Telecom Portal (TTP) for Inspection of All Non-RDSO approved Telecom Items.

3. **Dy.CSTEs/GSU/UBL, SBC & MYS:** for necessary action for necessary action to ensure Applicability of Trusted Telecom Portal (TTP) for Inspection of All Non-RDSO approved Telecom Items.

Phone : 0522 – 2456389  
Fax : 0522 – 2462635  
E-mail : edtelecomrdso@gmail.com  
edtele@rdso.railnet.gov.in



भारत सरकार, रेल मंत्रालय  
अनुसंधान अभिकल्प और मानक संगठन  
लखनऊ-226 011  
Government of India - Ministry of Railways  
Research Designs & Standards Organisation  
LUCKNOW – 226011



संख्या: RDSO-TELE0LKO(TECH)/8/2020

दिनांक : As signed.

Executive Director/QA/S&T  
Bangalore

Sub: Applicability of Trusted Telecom Portal (TTP) for inspection of non-RDSO approved Telecom items.

Ref: ED/QA/S&T/SBC letter No. DI/SBC/General Correspondence/A-8 dated 08.02.2024

Vide Railway Board circular No. 12/2023 dated 11.10.2023 it is directed the LTE e-Node-B, cell site routers, switches and the IP/MPLS routers that will be used on Indian Railways, should be got cleared through the Trusted Telecom Portal before the supply of equipment & it is applicable with immediate effect for all equipment being procured. The same is reiterated for ensuring compliance vide this office letter no. RDSO-QAST0LKO(VEND)/3/2019 dated 13.10.2023.

In reference to your letter, it is mentioned that at present it is mandatory for above mentioned four items i.e. LTE e-Node-B, cell site routers, switches and the IP/MPLS routers irrespective of the specification whether it is VSS, IP/MPLS Router or VoIP Based TCCS.

Inspection of IP/MPLS Routers, VSS and VoIP based TCCS equipments may be carried out accordingly.

This has the approval of DG / S&T.

Digitally Signed by Dinesh Verma

Date: 09-02-2024 17:38:15

Reason: Approved

दिनेश वर्मा | Dinesh Verma  
कार्य.निदेशक / टेली-1 | ED /Telecom-1  
कृते महानिदेशक / सिग. एवं दूर. | for DG/S&T  
edtele@rdso.railnet.gov.in

Copy To:

Executive Director/QA/S&T/Mumbai  
Executive Director/QA/S&T/Kolkata  
Executive Director/QA/S&T/New Delhi  
Executive Director/QA/S&T/Jaipur  
Director/QA/S&T/Lucknow  
Dy. Director/QA/S&T/Bhopal

For information and necessary  
action accordingly.



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



No.2023/Tele Dev/Trusted Sources

Date: 11.10.2023

The General Manager/Director General,  
All Zonal Railways/ RDSO/ PUs/ CTIs.

**Telecom Circular No. 12/2023**

**Sub: Use of Trusted Products from Trusted Sources for backbone telecom network of IR**

**Ref: DOT's letter No. from File no 20-1236/2021-AS-I dt 30.03.2021**

Indian Railway is setting up its LTE and IP/MPLS network covering its entire route. The backbone network will support all applications and network of Indian Railways including those that are critical. Looking in to the fact that this network will carry information of ticketing, freight operation, train control (Kavach) etc., it is considered that only trusted product from trusted sources should be used in the backbone network of Railways.

2. National Security Council Secretariat (NSCS) of the Government of India has set up a Trusted Telecom Portal (TTP) for ensuring only trusted telecom equipment are being used by the Telecom /Internet Service Providers in India from trusted sources with an aim to address the security concerns of the telecom networks.
3. In this regard, National Security Council Secretariat (NSCS) has allowed access of Trusted Telecom Portal (TTP) by Railways.
4. Accordingly, it has been decided that to begin with, the LTE e-Node-B, cell site routers, switches and the IP/MPLS routers that will be used on Indian Railways, should be got cleared through the Trusted Telecom Portal before the supply of equipment. This is applicable with immediate effect for all equipment being procured.
5. This issue with the approval of Additional Member (Telecom).
6. Kindly acknowledge the same and ensure compliance.

(राकेश रंजन)  
कार्यकारी निदेशक (दूरसंचार विकास)  
रेल मंत्रालय  
011-47843012  
E-mail id [edtd@rb.railnet.gov.in](mailto:edtd@rb.railnet.gov.in)  
Room No.103-A, First Floor

**Copy to:**

- PCSTE/CSTE (Const), All Zonal Railways for kind information and necessary action.
- PED/S&T/RDSO for incorporation in the relevant specification/TAN.

**F. No. 20-1236/2021-AS-I**  
**Government of India**  
**Ministry of Telecommunications**  
**Department of Telecommunications**  
**(Access Service Division)**  
**20-Ashoka Road, New Delhi-110001.**

**Dated 10<sup>th</sup> June, 2022**

To,


**All Licensees**

**Subject:- Compliance to Amendments in License Conditions issued by Department of Telecommunications- Actions to be taken by Telecom Service Providers-reg.**

This is regarding Amendments in Telecom Licenses issued by the Department of Telecommunications in March, 2021 for procurement/ use of Telecommunication equipment from Trusted Source and instruction issued vide this office letter of even number dated 30.03.2021 and 16.06.2021 for appointment of Nodal Officer for the portal of NSCS. A reminder was also issued on 13.12.2021.

2. In this regard, it has been observed that all Licensees have still not registered on the Trusted Telecom Portal. Hence, those licensees who have not submitted an Authorization letter for appointing a Nodal Officer for Trusted Telecom Portal are requested to submit the same to the Designated Authority i.e., National Cyber Security Coordinator latest by 15.06.2022 failing which action will be taken against those licensees. Any further clarification/ queries on this subject may be sought from the Designated Authority through email id: [dirttc-nscs@gov.in](mailto:dirttc-nscs@gov.in) and tele no. +91 11 23451596.

Encl.: As above.

  
(Anil Kumar Gehlot)  
Director (AS-I)  
Ph. No. 23036864

Copy to:

1. DDG (CS), DDG (DS) and DDG (Satellite), DoT HQ for kind information please.
2. Director (TTC), NSCS- for kind information please.

**F. No. 20-1236/2021-AS-I**  
**Government of India**  
**Ministry of Telecommunications**  
**Department of Telecommunications**  
**(Access Service Division)**  
**20-Ashoka Road, New Delhi-110001.**

**Dated 13<sup>th</sup> December, 2021**

**To,**

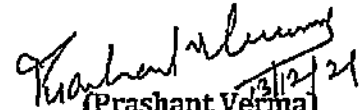
**All Licensees**

**Subject- Compliance to Amendments in License Conditions issued by Department of Telecommunications- Actions to be taken by Telecom Service Providers-reg.**

This is regarding Amendments in Telecom Licenses issued by the Department of Telecommunications in March, 2021 for procurement/ use of Telecommunication equipment from Trusted Source and instruction issued vide this office letter of even number dated 30.03.2021 and 16.06.2021 (copy enclosed) for appointment of Nodal Officer for the portal of NSCS.

2. In this regard, it has been observed that all Licensees have not been registered on the Trusted Telecom Portal. Hence, those licensees who have not submitted Authorization letter for appointing a Nodal Officer for Trusted Telecom Portal are requested to submit the same to the Designated Authority i.e., National Cyber Security Coordinator on immediate basis. Any further clarification/ queries on this subject may be sought from the Designated Authority through email id: [dirttc-nscs@gov.in](mailto:dirttc-nscs@gov.in) and tele no. +91 11 23451596.

Encl.: As above.

  
(Prashant Verma)  
ADG (AS-I)  
Ph. No. 23036580

**Copy to: DDG (CS), DDG (DS) and DDG (Satellite), DoT HQ for kind information please.**

17/c

File No. 20-1236/2021-AS-I  
Government of India  
Ministry of Communications  
Department of Telecommunications  
(Access Services Wing)  
20, Ashoka Road, New Delhi – 110001

Dated 16<sup>th</sup> June, 2021

To,

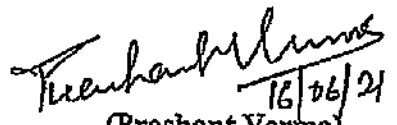
All Licensees

Subject: Compliance to Amendments in Telecom Licenses issued by Department of Telecommunications for procurement of Telecommunication Equipment from Trusted Sources - Actions to be taken by Licensees- reg.

This is regarding Amendments in Telecom Licenses issued by the Department of Telecommunications in March, 2021 for procurement/ use of Telecommunication equipment from Trusted Sources and instructions issued vide this office letter of even number dated 30.03.2021 for appointment of Nodal officer for the portal developed by the Designated Authority i.e., NCSC (copy attached).

2. In this regard, all Licensees are hereby informed that the "Trusted Telecom Portal" has been live with effect from 15<sup>th</sup> June, 2021. Those licensees who have not submitted Authorization letter for appointing a Nodal Officer for this portal are requested to submit the same to the Designated Authority i.e., National Cyber Security Coordinator on immediate basis. Any further clarification/queries on this subject may be sought from the Designated Authority through email id: [dirttc-nscs@gov.in](mailto:dirttc-nscs@gov.in) and tele no.: +91 11 23451596.

Encl.: As above.

  
(Prashant Verma)  
Assistant Director General (AS-I)  
Ph. No. 23036580



**File No. 20-1236/2021-AS-I**  
**Government of India**  
**Ministry of Communications**  
**Department of Telecommunications**  
(Access Services Wing)  
20, Ashoka Road, New Delhi – 110001

**Dated 30<sup>th</sup> March, 2021**

To,

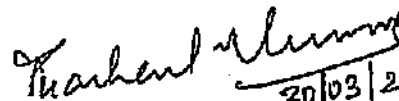
**All Licensees**

**Subject: Compliance to Amendments in Telecom Licenses issued by Department of Telecommunications for procurement of Telecommunication Equipment from Trusted Sources - Actions to be taken by Licensees- reg.**

This is regarding Amendments in Telecom Licenses issued by the Department of Telecommunications in March, 2021 **for procurement/ use of Telecommunication equipment from Trusted Sources.**

2. In this regard, **all Licensees are hereby directed to follow the instructions as attached in Annexure for appointing a Nodal Officer for the portal being developed by Designated Authority i.e., National Cyber Security Coordinator.**

Encl.: As above.

  
(Prashant Verma)  
Assistant Director General (AS-I)  
Ph. No. 23036580

Copy to: DDG (CS), DDG (DS) and DDG (Satellite), DoT HQ for kind information and necessary action please.

To

**All Licensed Telecom Service Providers**

**Subject: Compliance to Amendments in License Condition Issued  
by Department of Telecommunications - Action to be Taken by  
Telecom Service Providers (TSPs)**

1. An amendment to existing License conditions for Telecom Service Providers (TSPs) has been issued by Department of Telecommunication in March 2021. As per the amendment issued, with effect from 15<sup>th</sup> June 2021:

- a. The National Cyber Security Coordinator is the Designated Authority (DA).
- b. The licensee, shall provide any information as and when sought by the DA.
- c. The licensee, shall only connect Trusted Products in its network and also seek permission from DA for upgradation of existing network utilizing the Telecommunication Equipment not designated as Trusted Products.

2. To enable adherence of the above, a portal is being developed by DA and the details of its access will be shared separately. TSPs would need to share information about their Company, the products they intend to connect to their network, Product OEM and related details in the portal for evaluation as Trusted Product.

3. To facilitate the same, TSPs need to designate a Nodal Officer who will be provided access to the portal and also be providing inputs to the DA, both offline and online. The Nodal Officer, so designated, needs to be appropriately authorised by the TSP. The authorisation letter is to be signed by a Signatory who has been empowered by a resolution passed by the board of directors.

4. The ink signed authorisation letter in the format attached, may be sent by 10<sup>th</sup> April 2021 to the address given below:

The Director,  
Trusted Telecom Cell,  
Room No 208, 2<sup>nd</sup> Floor,  
Sardar Patel Bhavan,  
Sansad Marg,  
New Delhi 110 001

## LETTER OF AUTHORISATION

1. This is to certify that Mr. / Ms . ..... who is employed in ..... (Name of the TSP company) as ..... (designation) is assigned as the Nodal officer on behalf of ..... (Provide name of the Company, License number and the type of services being provided by the Company eg. ISP / ILD / NLD etc).
2. He / She is authorized to access the Portal being developed for implementation of National Security Directive on Telecommunication Sector (NSDTS) and provide all required information in the portal on behalf of the company with effect from ..... April 2021.
3. He / She is also authorized to provide information as and when required by the Designated Authority through Online / Offline means.
4. His / Her specimen signatures for offline communication is as appended below:

- 
5. His / Her email id and Mobile number for authentication purpose will be as follows:

a) email id:

b) Mobile number:

(Signature of Authorised Signatory of the company)  
Name  
Designation  
DIN if applicable  
Date:

Enclosed: Copy of board resolution authorizing the signatory