

**Government of India**  
**Department of Telecommunications**  
**Telecommunication Engineering Centre**  
**Khurshid Lal Bhawan, Janpath, New Delhi – 110 001.**  
Visit us at - <http://www.tec.gov.in>  
(IT DIVISION)

No. 10-1/2017-IT/TEC/ER

Dated: 28/11/2017

To,

**All the Stakeholders**

**Subject: Inviting nominations for seeking inputs in respect of development of Essential Requirements for Mandatory Testing & Certification of Telecom Equipment – Regarding IT Division**

1. The Department of Telecommunications, Ministry of Communications, Government of India vide Gazette Notification No. G.S.R. 1131(E) dated 5<sup>th</sup> September, 2017 has amended the Indian Telegraph Rules, 1951 (Amendment 2017) to introduce Mandatory Testing & Certification of Telecom Equipment. These rules shall come into effect from 1<sup>st</sup> October, 2018. Under the said rules, Telecommunication Engineering Centre (TEC) is implementing Mandatory Testing & Certification of Telecommunication Equipment in India.
2. The TEC certification would require compliance with the respective Essential Requirements (ER) documents of TEC, which is under formulation. The IT Division of TEC is currently envisaging formulating the Essential Requirements under the broad categories as defined in Annexure-I.
3. The stakeholders are invited to send nominations (not exceeding 2 representatives from each organization) to participate in the activities for development of Essential Requirements documents pertaining to items in Annexure-I, along with their contact details (e-mail, contact number) and the category of equipment/specification against which their nomination may be considered.
4. The nominations may be sent to [ddgi.tec@nic.in](mailto:ddgi.tec@nic.in), [diri.tec@nic.in](mailto:diri.tec@nic.in) with a copy to [adetit.tec@gov.in](mailto:adetit.tec@gov.in) latest by 17:00 Hrs. of 12<sup>th</sup> December, 2017.

DM 28.11.17  
(U.C. Meena)

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<b>Broad Category list Of Products and Product Variant Proposed For Mandatory Testing in IT DIVISION</b>			
<b>Product S. No.</b>	<b>Product Name</b>	<b>Variant S. No.</b>	<b>Product Variant</b>
1	LAN Switch	1	LAN Switch
		2	Layer 4-7 Load Balancer Switch
2	Router	3	Optical Router
		4	MPLS Based Router
		5	MPLS SDN Router
		6	Customer Premises Equipment for MPLS Network
3	MPLS Based Carrier Ethernet Switch (CEN)	7	Multi-Protocol Label Switching Transport Profile (MPLS-TP) Based Carrier Ethernet Network (CEN) for Access and Metro Aggregation Network Applications
		8	Provider Backbone Bridge/ Provider Backbone Bridge Traffic Engineering (PBB/PBB-TE) Based Carrier Ethernet Networks (CEN) for Access/ Metro Aggregation Network Applications.
4	Remote Access Server	9	Integrated Gateway Router
		10	Remote Access Server (RAS)
		11	Narrowband Remote Access Servers
		12	Firewall System

Annexure I

Product S. No.	Product Name	Variant S. No.	Product Variant
5	Network security system	13	Intrusion Detection System for IP Network Security.
		14	Intrusion Prevention System
		15	Unified Threat Management
6	Converters	16	Ethernet Electrical to Optical media Converter
		17	Ethernet to E1 Converter
		18	Ethernet to G.703 Interface Converter
		19	2048 Kbps line Drivers
		20	High Speed Line Drivers.
7	Servers	21	Server
		22	Integrated Systems
		23	Cloud Infrastructure
		24	Data Storage Infrastructure
		25	Thin Client

Product S. No.	Product Name	Variant S. No.	Product Variant
		26	Internet Data Centre
8	IVRS	27	Call Centre
		28	Interactive Voice Response System.
9	Network Management Softwares	29	Element Management System (eMS)
		30	Element Management System (eMS) For Next Generation Networks (NGN)
		31	NMS
		32	Relational Database Management System for Telecom Applications
		33	BGP/MPLS Virtual Private Network
10	Content Delivery Network	34	Content Delivery Network
		35	Web Cache System
11	Software Defined Network and NFV based Product	36	Software Defined Network [SDN] Controller, and Additional Requirements for LAN Switches, Carrier Ethernet Switches and Routers for SDN
12	Set Top Box for IP Network	37	Set Top Box for IP Network

Product S. No.	Product Name	Variant S. No.	Product Variant
13	Software Applications	38	Cable Records Management System
		39	Cable Record Purification System
		40	Computerized Directory Enquiry System
		41	Commercial service system
		42	Electronic Commerce
		43	Telephone Billing & Accounting System
		44	Data Dictionary
		45	Fault Repair Services
14	Service Applications	46	Audio Conferencing
		47	Audio Streaming Platform
		48	Video Gateway System
		49	Video Ring back Tone
		50	Video Streaming Platform

Product S. No.	Product Name	Variant S. No.	Product Variant
		51	Video Surveillance Platform
		52	ISP (Internet Service Provider) Applications
15	Test Instruments	53	MPLS PerformanceAnalyser
		54	MPLS ProtocolAnalyser
		55	High Speed Data Circuits Tester
		56	Portable E1 - Analyser for NIB
		57	Voice Quality Analyser
		58	VoIP Performance Analyser
		59	VoIP Protocol Analyzer
		60	Tester for measurement of Digital parameters of low speed data circuits
16	Synchronisatio	61	Network Timing Protocol Server
		62	Precision Time Protocol (PTP) Grandmaster Clock
		63	Precision Time Protocol (PTP) Slave Clock

Product S. No.	Product Name	Variant S. No.	Product Variant
16	n Equipments	64	Primary Reference Clock cesium frequency standards
		65	Standalone Synchronous Equipment
		66	Digital Network Synchronization Equipment
17	Lawful Interception & Monitoring	67	IPLC Traffic Lawful Interception and Monitoring System
18	Passive Items	68	Digital Data Distribution Frame
		69	Structured LAN Cabling
19	Other Items	70	Internet Exchange Point (IXP)
		71	High Speed Internet Leased - line Access Line Doubler (HILALD)