ANNUAL ACTION PLAN (AAP) - TEC (2024-25)

	Item	Division	Proposed Target	Remarks
A	**PROJECT**			
1	Hosting of WTSA-24 (various activitites as assignd by DoT to TEC)	SD	Q1-Q3	
2	Monitoring /tracking of Indian Patents related to telecom / IT	C&B	Continous Activity	
3	LAN and WiFi Upgradation of TEC Network	IT	Q1-Q4	
4	NGN Transport Lab Upgradation	NGN	Continous Activity	
5	NABL Accreditation of NGN Transport Lab	NGN	Continous Activity	
6	Implementation of NTC framework for IoT/M2M ecosytem	IoT	Q3	
7	Control Lab [In house capacity building of TEC officers]	MT	Q2	Capacity Building
B	**MTCTE**			
1	Issuance of MTCTE certificates after completing precheck, validation stages of the submitted application	TC	Continuous Activity	
2	Coordination with C-DoT on day-to-day basis for MTCTE portal and applicant related issues/queries	TC	Continuous Activity	
3	Coordination with Core divisions regarding ER related issues/queries	TC	Continuous Activity	
4	Coordination with CDOT for Integration of NCCS portal with MTCTE portal and related issues	TC	Continuous Activity	
5	Seeking approval & notification of various products under MTCTE & Security certification (ITSAR)	TC	Continuous Activity	
6	Testing of products and evaluation of test reports for MTCTE	RTECs	Continuous Activity	(30 cases by RTEC WR)
C	**STANDARDS (as ERs/GRs/IRs/SRs/ SDs)**			
(a)	**New Standards**			
1	Standard for assessing and rating robustness of artificial intelligence systems in telecom networks and digital infrastructure	C&B	Q3	
2	GR/IR on Broadcast Service layer for 5G	C&B	Q4	
3	Field Study on Impact of ATSC 3.0 and 5G Broadcast D2M technologies on broadband networks and devices	C&B	Q2	
4	Armoured Ribbon Optical Fibre Cable	Tx	Q1	
5	OFC Cable route Tracer	Tx	TBD	Under discussion with stakeholders
6	Standard on Free Space Optics System	Tx	TBD	Under discussion with stakeholders
7	ER on SD WAN (ER)	IT	Q4	
8	Standard for Mitigation of interference in Radio Altimeters from 5G Base Stations operating in C-Band	Radio	Q1-Q2	
9	Standard for Anti Drone System (Counter Rogue Drone Systems)	Radio	Q1-Q2	
10	Standard for Mobile Satellite Service (MSS) with low bit rate IoT/M2M based applications	Radio	Q2	
11	Monopole Tower	Radio	Q3-Q4	Under discussion with stakeholders
12	GR on Quantum Random Number Generator (QRNG)	QT	Q1	
13	GR/IR on Protocol Framework for Quantum Key Distribution Networks	QT	Q2-Q3	
14	GR on Measurement Device Independent Quantum Key Distribution System	QT	Q3-Q4	Dependence on the product maturity
15	GR on Superconducting Nanowire Single Photon Detector	QT	Q4	Dependence on the product maturity
16	GR on Open RAN	MT	Q1	
17	GR on Small Size 5G Core (Rel 16 & 17)	MT	Q2	
18	GR on Drive tool tester for 4G & 5G	MT	Q3	
19	GR for ePDG and TWAG	MT	Q4	
20	GR on 5G dual core	MT	Q4	
21	ER on Fixed Wireless Phones	FN	Q1	
22	ERs of M2M/IoT Devices: i. ERs for more IoT devices will be prepared based on Industry requirement and request from Ministry of Commerce/ concerned user ministries. ii. Preparation and addition of Wi-Fi HaLow and Wi-SUN interfaces in ERs of IoT devices.	IoT	Continuous Activity	
23	GR of IoT Gateway	IoT	Q4	
24	Standard for IoT platforms	IoT	Q4	
25	Standard for ICT for PwD	IoT	TBD	Under discussion with stakeholders
26	Standards for surveillance camera and video analytic systems for interoperability	IoT	TBD	Under discussion with stakeholders
27	GR on Hybrid (AC+DC) uninterrupted power supply system.	FA	Q1	
28	GR on Li-Fi access point	FA	Q3	IMC 2023/24 Action Plan item
29	GR on XGS-PON combo PON (Mini-OLT) system for FTTx based broadband applications	FA	Q2	
	Total New Standards (GRs/IRs/ERs/SRs) = 29			
(b)	**Revision of Standards**			
1	Optical Fibre Splicing machine	Tx	Q1	
2	Ribbon Optical Fibre Splicing machine	Tx	Q1	
3	Armoured Optical Fibre Cable for underground Duct Application	Tx	Q1	
4	Remote Fibre Monitoring System	Tx	Q2	
5	Installation Accessories and Fixtures for Self-Supporting Metal Free Aerial Optical Fibre Cables	Tx	Q2	

6	Fibre Distribution Frame	Tx	Q3	
7	Fibre Distribution Mnagement System(Type-I, Type-II & Type-III)	Tx	Q3	
8	FDMS(Outdoor) for Optical Fibre Cables(Ribbon & non-Ribbon)	Tx	Q4	
9	Splice Closure for Optical Fibre Cables	Tx	Q4	
10	ER on LAN Switch	IT	Q1	
11	ER on IP Security Equipment	IT	Q1	
12	ER on Hypervisor	IT	Q2	
13	GR on Router for MPLS Transport Network (TEC 48050:2022)	IT	Q1	
14	GR on IPLC Traffic Lawful Interception and Monitoring System (TEC 49020:2007)	IT	Q1	
15	GR on Broad Band Remote Access Server (TEC 48040:2012)	IT	Q1	
16	GR on Network Management System (TEC 48100:2015) including Security Information Event Management system (SIEM)	IT	Q1	
17	GR on Element Management System (eMS) For Next Generation Networks (NGN) (TEC 49110:2016)	IT	Q1	
18	GR on Structured LAN Cabling (TEC 52010:2005)	IT	Q2	
19	GR on Intrusion Prevention System (TEC 49140:2018)	IT	Q2	
20	GR on Media Convertors (Standalone) Ethernet to E1 Converter (TEC 52120:2018) / Ethernet Electrical to Optical media Converter (TEC 48080:2014)	IT	Q2	
21	GR on Cloud Infrastructure (TEC 50000:2012)	IT	Q2	
22	GR on Server (TEC 48140:2018)	IT	Q3	
23	GR on Unified Threat Management (TEC 48120:2018)	IT	Q3	
24	GR on Software Defined Wide Area Network (TEC 49160:2019)	IT	Q4	
25	GR on Base Station Antenna (to include mmwave and other IMT frequencies)	Radio	Q3	
26	ER on Satellite communication equipment	Radio	Q1	
27	ER on HF radio equipment	Radio	Q2	
28	EMC standard (Electromagnetic Compatibility Standard for telecommunication Equipment) TEC 1106:2016, TEC/SD/DD/EMC-221/05/Oct-16	Radio	TBD	Under discussion with stakeholders
29	Digital Microwave in E-band	Radio	TBD	Under discussion with stakeholders
30	PM WANI GR	Radio	TBD	Under discussion with stakeholders
31	Intelligent Network Application Protocol (INAP) National Standards (GR No. TEC58220:2006) and (TEC 58156:2007)	NGN	Q1	
32	GR on IMS as Network Management System for circuit switched network(TEC 58270:2004)	NGN	Q1	
33	Uniform Standardization of SIP header(TEC 59010:2015)	NGN	Q3	
34	Provision of encryption data conversion for VOIP(GR No: TEC 60020:2023	NGN	Q3	
35	Monitoring Equipment for lawful Interception System of PSTN/NGN/IMS (GR No: TEC 61020:2017)	NGN	Q4	
36	Guideline for multi level security elements of SBC (GR No: TEC 59040:2018)	NGN	Q2	
37	Interactivity across different message platform(GR No. TEC58240:2005)	NGN	Q4	
38	GR on Quantum Key Distribution	QT	Q2-Q3	
39	GR on 50G Higher Speed PON System for FTTx based Broadband applications (GR 71110:2023)	FA	Q1	
40	40-Gigabit-capable symmetric passive optical network (NG-PON2) technology for FTTX based broadband applications (TEC GR 71070:2020, Old No.TEC/GR/FA/NG2-001/01/MAR-20)	FA	Q2	
41	ER on PON Family of Broadband Equipment (TEC14762401)	FA	Q3	
42	ER on SIM (Review & Revision and addition of 5G SIM)	MT	Q1	
43	GR of Base Station	MT	Q3	
44	ER of Base Station	MT	Q3	
45	ECR and EP Standard	MT	Q4	
	Total Revision of Standards (GRs/IRs/SD/ERs) = 45			
(c)	**Conversion of existing specification into standards / Withdrawal of old standards**			
1	Conversion of existing specification into standards	FN	Q4	
(d)	**Test Guides (TSTP) (New/ Revision)**			
1	Hybrid Set-Top Box (STB) with support for Ultra High Definition (UHD) and Virtual Reality (VR)	C&B	Q1	
2	DRM (Digital Rights Management)	C&B	Q3	
3	IPTV CAS	C&B	TBD	when TRAI issue the requriements.
4	CMSAAE (Converged multi service application Access Equipment, TEC 71121:2022)	FA	Q1	
5	Test Guides (TEC 67031:2016) on Lithium Ion Battery for Telecom Applications (No.: TSTP/ TEC/GR/TX/LIB-001/01.MAR.2016)	FA	Q1	
6	Lightening for surge protection of telecom site. (TEC 66131:2017, Old no. TSTP/TEC/GR/TX/LSP - 001/02/JUNE.2017)	FA	Q3	
7	Hybrid (AC+DC) uninterrupted power supply system.	FA	Q3	
8	Armoured Ribbon Optical Fibre Cable	Tx	Q1	
9	Optical Fibre Splicing machine	Tx	Q1	
10	Ribbon Optical Fibre Splicing machine	Tx	Q1	
11	Armoured Optical Fibre Cable for underground Duct Application	Tx	Q1	

12	Remote Fibre Monitoring System	Tx	Q2	
13	Installation Accessories and Fixtures for Self-Supporting Metal Free Aerial Optical Fibre Cables	Tx	Q2	
14	Fibre Distribution Frame	Tx	Q3	
15	Fibre Distribution Mnagement System(Type-I, Type-II & Type-III)	Tx	Q3	
16	FDMS(Outdoor) for Optical Fibre Cables(Ribbon & non-Ribbon)	Tx	Q4	
17	Splice Closure for Optical Fibre Cables	Tx	Q4	
18	Router for MPLS Transport Network (TEC 48050:2022)	IT	Q1	
19	IPLC Traffic Lawful Interception and Monitoring System (TEC 49020:2007)	IT	Q1	
20	Broad Band Remote Access Server (TEC 48040:2012)	IT	Q1	
21	Network Management System (TEC 48100:2015) including Security Information Event Management system (SIEM)	IT	Q1	
22	Element Management System (eMS) For Next Generation Networks (NGN) (TEC 49110:2016)	IT	Q1	
23	Structured LAN Cabling (TEC 52010:2005)	IT	Q2	
24	Intrusion Prevention System (TEC 49140:2018)	IT	Q2	
25	Media Convertors (Standalone) Ethernet to E1 Converter (TEC 52120:2018) / Ethernet Electrical to Optical media Converter (TEC 48080:2014)	IT	Q2	
26	Cloud Infrastructure (TEC 50000:2012)	IT	Q2	
27	Server (TEC 48140:2018)	IT	Q3	
28	Unified Threat Management (TEC 48120:2018)	IT	Q3	
29	Software Defined Wide Area Network (TEC 49160:2019)	IT	Q4	
30	Base Station Antenna (to include mmwave and other IMT frequencies)	Radio	Q4	
31	Quantum Safe and Classical Cryptographic Systems	QT	Q2-Q3	
32	Quantum Random Number Generator	QT	Q3-Q4	
33	Quantum Key Distribution	QT	Q4	
34	SMPS Based Power Plants	FA	Q4	
35	XGS-PON combo PON (Mini-OLT) system for FTTx based broadband applications	FA	Q4	
	Total New/ revision Test Guides (TSTPs)= 35			
(e)	**Adoption of Standards as National Standards**			
1	Review of Adoption Policy/Standardisation Guide	SD	Q1	
2	Adoption of TSDSI transposed 3GPP standards	SD/MT	Continuous Activity	
3	Adoption of TSDSI transposed OneM2M standards	SD/ IoT	Continuous Activity	(One M2M Rel 4)
4	Adoption of TSDSI developed or adopted other standards	SD/Concerned Division	Continuous Activity	
	Total Adoption of Standards= 4			
D	**TESTING & CERTIFICATIONS**			
(a)	**Technology Approval/ Certification**			
1	Certificate of Approval to M/s STL for Glass preform	Tx/RTEC	Q1/Q2	
2	Type Approval to M/s HFCL against GR of Optical Fibre Cable	Tx/RTEC	Q1/Q2	
3	Registration of application for TAC/IAC/CoA, scrutiny and evaluation of documents	RTECs	Continuous Activity	(07 cases by RTEC WR)
4	Testing of products as per TEC GR/IR or Applicant's own specification, evaluation of test report, submission of ARDC for issue of Type Approval(TA) Certificate, Interface Approval(IA) Certificate & Certificate of Approval(CoA)	RTECs	Continuous Activity	
5	Testing of products and evaluation of test report for Voluntary certification	RTECs	Continuous Activity	
6	Technology Approval / Type Approval of QKD System, QRNG, etc.	QT	On the receipt of application	
7	New Technology developed by C-DoT / MSMEs/Start-Ups in Fixed Access Technology areas	FA	Q1-Q4	Industry (M/s C-DOT/ MSMEs/Start-Ups) anticipated requirement
(b)	**CAB Designation**			
1	Designation of Indian Labs as CABs/CBs/ Enhancement of technical capabilities of existing CABs	CA	Target= 12* QI - 3; QII - 3 QIII - 3;QIV – 3	
2	Renewal of already TEC Designated CABs	CA	Target= 28* QI - 3; QII - 6 QIII - 11;QIV – 8	
3	Designation of Labs for CAS & SMS testing as per TRAI notification	C&B	Continuous Activity	
4	Evaluation of CAB Designation Cases by respective divsions	All	Continuous Activity	
(c)	**Other Testing & Certification Activities**			
1	Converged Gateway Node	C&B	Q1	
2	Conditional Access Systems against TRAI Requirement	C&B	Continuous Activity	
3	C Band Pass Filter against TEC GR	C&B	Q2	
4	Signing of MoU with IITM Pravartak for using their testing lab infrastructure for Conformity Assessment requirement.	CA	Q2-Q3	
5	Development of Test as a Service (TAAS) Platform as an endeavour towards Test-in-India	CA	Q1	TAAS project has been conceptualised to create unique solution & innovative Conformation Assessment Eco System.

6	Non-Intrusive surveillance	CA	Q2-Q3	Pilot is completed. Preparation of DPR and implementation of Phase -1 execution.
7	Training of TEC Officers for ISO 17025 NABL Assessors Course	CA	Q2-Q3	For approx. 20 officers of TEC
8	Road Show for attracting investment in Labs	CA	Q2-Q4	
9	Development of Accreditation Scheme for Accreditation of Certification Bodies (CBs) by NABCB under QCI.	CA	Q2	
10	Scheme for Reimbursement of Testing and Certification charges for Start-Ups, MSMEs	CA	Q1	
11	Creation of a Monitoring Unit for Evaluation of Performance of TEC Designated CABs./CBs.	CA	Q1	
12	Collaboration with **NIST, USA for** Lab eco system development by NIST in emerging technologies in O -RAN, IOT, 6G etc., help in accreditation of Indian labs with A2LA or other USA Accreditation bodies through NIST etc. and learning about Certification Mechanism as per global Standards.	CA	Q2	
13	Creation of a Resource pool of Mentors for Mentorship Programme of Designated Domestic Conformity Assessment Bodies (CABs)	CA	Q2-Q3	
14	Issuance of Type Approval/ Interface Approval/Tech. Approval / CoA Certificates under the voluntary Certification Scheme of TEC after testing by the RTECs	RC	Continuous Activity	
15	Support & guidance through helpdesk, and clarification on queries regarding the Voluntary Certification Scheme of TEC through the helpdesk: help.vc-tec@gov.in.	RC	Continuous Activity	
16	Coordination with C-DOT (Developer) for day to day issues/other misc. issues w.r.t online portal for Voluntary Certification Scheme of TEC	RC	Continuous Activity	
17	Input/Feedback to DoT, Commerce Ministry, QCI etc.	CA	Continuous Activity	
E	**STUDY PAPERs/ WHITE PAPERS/ TECHNICAL REPORTS/Roadmap**			
1	Opportunities for AI in Communication Networks	C&B	Q1	
2	Policy interventions needed to enable D2M in india	C&B	Q2	
3	Distribution of free to air television channels over Bharatnet without using Broadband data	C&B	Q3	
4	Technical report on use cases of Blockchain	C&B	Q4	
5	Guidelines for Establishing National Broadband (GIS) Mapping Systems	IT	Q1	
6	An engineering roadmap for new 6G spectrum	Radio	Q2-Q3	
7	Technical Report Series on 6G Technology	Radio	Q2-Q3	
	Theme I: Broadband and Immersive Communication		Q2-Q3	
	Theme II: Artificial Intelligence (AI) and Communication		Q2-Q4	
	Theme III: Ubiquitous Communication/Connectivity - Addressing the last mile		Q2-Q3	
8	Vertical and Horizontal Integration to enable Industry 4.0	Radio	Q1- Q2	
9	Opportunities and Challenges for Drone navigation using Communication infrastructure	Radio	TBD	Under discussion with stakeholders
10	RLAN as a means for 5G monetization	Radio	Q3- Q4	
11	Spectrum Sharing and Co-existence Study for identification of IMT in 7125-8400 MHz	Radio	Q1- Q4	
	i) Formulation of co-existence study framework		Q1	
	ii) Constitution of Working Group(s)		Q1	
	iii) Preparation of database of Incumbent Services in 7125-8400 MHz		Q2	
	iv) Preparation of technical parameters and models of incumbent operations		Q2- Q3	
	v) Preparation of IMT parameters in 7125-8400 MHz		Q2- Q3	
	vi) Simulations for exploring co existence possibilities		Q3- Q4	
	vii) Preliminary simulation results and spectrum sharing/co-existence findings		Q4	
12	Study Paper on Software Supply Chain Security	TS	Q1	
13	Study Paper on ORAN security	TS	Q3	
14	Stduy Paper on AI and Cyber Security	TS	Q4	
15	Study Paper on Applications and Challenges of Quantum Teleportation	QT	Q1	
16	Study Paper on Vacuum Beam Guide for Large Scale Quantum Networks	QT	Q3	
17	Location Based Services	MT	Q1	
18	Integrated Sensing and Communication network towards 6G	MT	Q1	
19	Reconfigurable/Reconfigurable Intelligent Surface for 6G Systems	MT	Q1	
20	Emerging Technologies - A Framework for Railway network modernization: Control & Communication perspectives	MT	Q2	Report/ recommendation
21	Device aspects - Mobile technology trends of the future	MT	Q4	Report/ recommendation
22	Technical Report on ICT requirements on disaster management	IoT	Q1	
23	Technical Report on standardization of IoT/M2M platform	IoT	Q3	
24	Study paper - Digital twin	IoT	Q2	
25	Study paper - Metaverse	IoT	Q2	
26	Study paper - Industry 4.0/ Smart manufacturing	IoT	Q1	
27	Conversational AI Chat bot using Machine Learning and Deep Neural Network	FN	Q2	

28	Study paper on Interactive Immersive Services in the context of Extended Reality	FN	Q3	
29	Distributed fibre optic sensing (DFOS) technology/ systems.	FA	Q3	
	Total items= 29			
F	**TECHNICAL WEBINARS/ CONFERENCES/ WORKSHOPs**			
1	2nd Preparatory meeting/workshop for WTSA-24	SD	Q1	
2	National Workshop on enhancing Indian Participation in Telecom Global Standards Bodies (2nd edition)	SD	Q2	
3	Awarness Workshops/Run up events related to WTSA-24	SD	Q1-Q2	
4	Trustworthy Artificial Intelligence (AI)	C&B	Q4	
5	D2M Broadcasting	C&B	Q1	
6	Special sessions/Workshops to spread awareness on WTSA-24	C&B	Q4	
7	Webinar on Future trends in DWDM and Optical Transmission Systems	Tx	Q1/Q2	
8	Webinar on Optical Fibres and Optical Fibre Cables	Tx	Q3/Q4	
9	Webinar/Conference on Spectrum and Co existence Studies	Radio	Q1/Q2	
10	Webinar/Conference on Interworking of Terrestrial and Non-Terrestrial Networks (NTN)	Radio	Q3/Q4	
11	Webinar on Security of Critical Infrastructure in Cyber Space	TS	Q1	
12	Webinar/Seminar on AI and Cyber Security	TS	Q2	
13	Webinar on Cloud Security w.r.t Deployment of 5G and Beyond	TS	Q3-Q4	
14	Webinar - 1 by QT Division	QT	Q1-Q2	
15	Webinar - 2 by QT Division	QT	Q3-Q4	
16	Optical Wireless Communication: Use cases in 4G/5G Cellular network and Li-Fi	FA	Q3	
17	Webinar/Workshop on National Trust Centre	IoT	Q1	
18	Webinar/Workshop on Industry 4.0/ Smart manufacturing	IoT	Q2	
19	Webinar/Workshop on Emerging Communication Technologies in IoT Domain	IoT	Q3	
20	Webinar/Workshop- TBD	IoT	Q4	
21	Holding Zonal workshop to create awareness about MTCTE/ Voluntary certification(policy and implementation through portal) / CAB designation	RTECs	Continuous Activity	
	Total Webinars/conferences/ workshops= 21			
G	**National Working Groups (NWGs) for ITU-T SGs**			
1	**ITU-T SG2**			
	Meetings of National Working Group 2	RC	Continuous Activity	
2	**ITU-T SG3**			
	Meetings of National Working Group 3	-	Continuous Activity	
3	**ITU-T SG5**			
	Meetings of National Working Group 5	Radio	Continuous Activity	
4	**ITU-R WP5D**			
	Meetings of WP 5D	Radio	Continuous Activity	
5	**ITU-T SG9**			
	i) NWG-9: At least two meetings in a quarters	C&B	Continuous Activity	
	ii) Contribution on LCAP (Q11/9)	C&B	Q1-Q3	
	iii) Contribution on WiFiTV (Q1/9)	C&B	Q1-Q3	
	iv) Contribution on SMS (Q2/9)	C&B	Q1-Q3	
	v) Contribution on J.298 (Q6/9)	C&B	Q1-Q3	
	vi) Contribution on Rec. UHD VR STB (Q6/9)	C&B	Q1-Q3	
6	**ITU-T SG11**			
	Meetings of National Working Group 11	TC	Continuous Activity	
7	**ITU-T SG12**			
	Meetings of National Working Group 12	MT	Continuous Activity	
8	**ITU-T SG13**			
	Meetings of National Working Group 13	MT	Continuous Activity	
9	**ITU-T SG15**			
	Contribution in ITU-T SG-15	Tx/FA	Q1/Q2/Q3/Q4	
	Contribution on Distributed fibre optic sensing (DFOS) technology/ systems.(Q6/15)	FA	Q1-4	
	Contribution on G.Suppl.G65x: Standardization roadmap for SDM optical fibres including Multi-Core Fibres (Q5,6,7 & 8/15)	FA	Q1-4	
	Contribution on new Recommendation regarding Technical and functional requirements for network infrastructures sharing (Q7/15)	FA/Tx	Q1-4	
	Contribution on revision of Recommendation for L.105 Amd.1. Optical fibre cables for drop applications and revisions of other L-Series recommendations (Q5/15)	FA/Tx	Q1-4	
10	**ITU-T SG16**			
	National Working Groups (NWG-16) for ITU-T SG-16 (meetings)	IT	Continuous Activity	
	i) Q5/16 (Artificial intelligence-enabled multimedia applications)	IT	Q1-Q4	
	ii) Q8/16 (Immersive live experience systems and services)	IT	Q1-Q4	
	iii) Q13/16 (Content delivery, multimedia application platforms and end systems for IP-based television services including digital signage)	IT	Q1-Q4	
	iv) Q27/16 (Vehicular multimedia communications, systems, networks, and applications)	IT	Q1-Q4	
11	**ITU-T SG17**			
	National Working Group 17 : Security	TS	Continuous Activity	
	ITU-T SG20			

12	Meetings of National Working Group 20 : Contribution in SG-20 and APT	IoT	Continuous Activity	
	Participation and submission of contributions in the meetings of ITU/ FAO Focus Group on 'Artificial Intelligence (AI) and Internet of Things (IOT) for Digital Agriculture (FG-AI4A)' under ITU-T SG-20	IoT	Continuous Activity	
13	**Quantum Technology**			
	National Working Group on Quantum Technology (NWG-QT)	QT	Continuous Activity	
H	**CONTRIBUTIONS ON WTSA-24/APT**			
1	New Resolution on Responsible AI	C&B	Q1-Q3	
2	Modification in Resolution 70-Accessibility	C&B	Q1-Q3	
3	Merger of SG-9 & SG-16	C&B	Q1-Q3	
4	Resolution no.40- Regulatory and policy aspects of the work of the ITU Telecommunication Standardization Sector (APT/WTSA-24)	FA	Q1-3	
5	Resolution no.68- Evolving role of industry in the ITU Telecommunication Standardization Sector (APT/WTSA-24)	FA	Q1-3	
6	Various other resolutions	Concerned NWGs	Q1-Q3	
I	**OTHER ACTIVITIES**			
1	Preparation and contributions to APT meetings for WTSA 24	SD	Q1-Q2	
2	Signing of adoption agreement between TEC and IEEE	SD	Q1	
3	Signing of General MoU for Cooperation between TEC and IEEE	SD	Q2	
4	MoU between TEC and other international bodies like NIST, UK etc.	SD	Q2	
5	Coordination with TSDSI for standardization on emerging technology. (Identification of new topics in consulation with Core Division and take up with TSDSI)	SD	Continuous Activity	
6	Work related to Industry connection (IC) Activity Progarm at IEEE for Telecom, India (ICAID)	SD	Continuous Activity	
7	Work related to Membership Renewal of National and International Standardization bodies like IEEE SA, Individual IEEE membership, ORAN, ETSI, OCENAIS etc.	SD	Continuous Activity	
8	Subscription of IEEE Xplore Digital Library for TEC.	SD	Q2	
9	Subscription of IEEE Magazines for TEC.	SD	Q4	
10	Coordination of standardization activities and cross-sectoral standardization (like BIS etc.)	SD	Continuous Activity	
11	Preparation and revision of Annual Action Plan of TEC	SD	Continuous Activity	
12	Coordination of NWGs activities corresponding to various ITU-T SGs	SD	Continuous Activity	
13	Compilation of TEC Inputs/brief on colloboration with other countries (as desired by DoT HQ) time to time	SD	Continuous Activity	
14	CAB Designation cases(VTL/Birla/West Coast Optilinks)	Tx	Q1	
15	ISO 9001:2015 related matters - Conduction of Internal Auditing, Management Review Meeting in June 2024 and external auditing by the Certification Agency in July 2024. - Conduction of Internal Auditing in Dec 2024 and MRM subsequently	RC	Q1-Q2 / Q3	
16	Coordination with RTECs regarding status of pending Voluntary cases and other RTEC related queries / issues	RC	Continuous Activity	
17	To pursue space allocation for RTEC SR & RTEC, ER	RC	Q1-Q2	
18	Co-ordination and leading the activities of NWG-2	RC	Continuous Activity	
19	Verification w.r.t. formatting etc. and updation of TEC Standards/documents prepared by Core Divisions in coordination with IT and Core Division prior to uploading on TEC website	RC	Continuous Activity	
20	RTI related matters (as AD(RC) is designated as Nodal APIO, TEC), Monthly/quarterly reports etc.	RC	Continuous Activity	
21	TEC eOffice maintenance	IT	Continuous Activity	
22	LAN and WiFi Maintenance in TEC	IT	Continuous Activity	
23	TEC Web Site maintenance	IT/C&B	Continuous Activity	
24	Technical support to DoT	All	Continuous Activity	
25	Technical Support to other Govt Departments	All	Continuous Activity	
26	Meetings with other Departments/Organisation	All	Continuous Activity	
27	IP related Protocol Testing, Layer 2 - 7 layer Conformance, Performance, Functional Etc. Testing and Certification in NGN LAB	NGN	Continuous Activity	
28	C-DoT -DUT in NGN LAB	NGN	Q2	
29	Court cases	Respective Division	Continuous Activity	
30	Capacity building through security Lab- Testing of Router	TS	Q1-2	
31	WTSA Awareness in 4 Educational Institutions	TS	Q1-2	
32	Training on Latest Cyber Security Developments	TS	Q1-Q3	
33	Evaluation of products in Trusted Telecom Portal	TS	Continuous Activity	
34	Testing and Review of products in IPv6 Ready logo lab	TS	Continuous Activity	
35	Security Audit of all divisions in TEC	TS	Q4	
36	Cyber Security Sensitization activities	TS	Continuous Activity	
37	Providing inputs to IR Wing for collaboration with other countries and Technical inputs to DoT HQ in the area of Quantum Communication	QT	Continuous Activity	
38	Contributing to global standardization bodies (ITU-T, ETSI, IEEE SA, etc.) in the area of Quantum Communication	QT	Continuous Activity	
39	Quarterly Rolling Plan (QRP) for foreign travel of TEC officers.	FN	Continuous Activity	
40	Preparation of RE/BE and soliciting additional budgetary grant if needed for foreign travel of TEC officers.	FN	Continuous Activity	

41	Participation in ITU meetings and 3GPP RAN, SA and ICT meetings	All	Continuous Activity	
42	Preparation of Audit reply/ RTI/PQ etc.	All	Continuous Activity	
43	Providing technical inputs to DoT HQ regarding the matters related to Future Network domain.	FN	Continuous Activity	
44	Technical support to RC, RTEC for evaluation of ER/ standard tests under MTCTE/Type approval certification process	FA	Continuous Activity	
45	ORAN Alliance related activities	MT	Continuous Activity	
46	National Study Group on Open RAN	MT	Continuous Activity	
47	Participation in 3GPP RAN, SA and CT meetings	MT	Continuous Activity	
48	Monitoring of Pilot Projects related to Mobile Technologies under DoT/ USOF Schemes	MT	Continuous Activity	
49	Providing technical inputs to DoT HQ regarding the matters related to Mobile Technologies.	MT	Continuous Activity	
50	Control Lab - Testing of devices offered for testing and Operation and Maintenance of Control Lab	MT	Continuous Activity	
51	PPP MII Complaint: The PMI Complaints received in TEC from Public Procuring entities / Bidders on Local Content matters shall be processed as per approved procedure.	IMP & TEP	Continuous Activity	
52	TBT Enquiry:	IMP & TEP	Continuous Activity	
	i. Notification issued by TEC which require updating on WTO TBT Portal are processed and suitably taken up with Dept. of Commerce for uploading on WTO TBT Portal.	IMP & TEP		
	ii. Reply of TBT related queries shall be dealt as and when received from member countries.	IMP & TEP		
	iii. TBT Concerns of Indian Manufacturers will be suitably taken up with Member Countries as and when received.	IMP & TEP		
53	PLI Policy: In respect of implementation of PLI Policy, a Technical Committee under Chairmanship of Sr. DDG TEC has been constituted by DoT HQ. Necessary Coordination on behalf of TEC is provided.	IMP & TEP	Continuous Activity	
54	SCOMET Applications: The SCOMET applications received from DoT HQ are to be coordinated with Core Divisions for comments of TEC.	IMP & TEP	Continuous Activity	
55	HS Code for Telecom Products: Input provided to DoT HQ as and when required	IMP & TEP	Continuous Activity	
56	Technical/policy inputs to DoT and participation in meetings on M2M/ IoT/ 5G related issues in BIS, TSDSI, C-DOT etc.	IoT	Continous Activity	
57	Attending meetings/ webinars/ conferences on M2M/ IoT in India	IoT	Continous Activity	
58	Evaluation of products on Trusted Telecom Portal	Concerned Division	Continous activity	
59	Hindi Rajbhasha related work	NGN	Continuous Activity	
60	Hindi Pakhwad Aayojan	NGN	Q2	
61	TEC Hindi Magazine (Sancharika)	NGN	Q4	