

ANNUAL ACTION PLAN OF TEC (2016-2017)

No.	Item	Division	Remarks
A	Project		
1	Establishment of Security Lab Tender evaluation & issuance of P.O. Supply of Equipment, Installation & Validation Commissioning	TSA	Q2 Q3 Q4
2	Establishment of CPE & Terminal Lab Issue of NIT Finalization and approval of final bidder Placement of P.O. Receipt of Equipment	CPE&TL	Q1 Q3 Q3 Q4
3	Establishment of Green Passport lab Phase-I (Energy Efficiency Testing of IP related equipments in existing NGN Lab) Sanction of Project Estimate Submission of Tender Document/NIT for Approval Placement of Purchase Order	GP	Q1 Q1 Q4
4	Establishment of Green Passport lab Phase-II (Energy Efficiency Testing of GSM/RBS/other related ICT equipments)(Preparation of Project Estimate)	GP	Q4
5	Establishment of Control Lab Sanction of Project Estimate Finalisation of Draft tender document Submission of draft tender document to DoT for approval Issue of NIT	CL	Q1 Q2 Q3 Q4
6	Establishment of Application Lab Preparation of Project Estimate Sanction of Project Estimate	AL	Q3 Q4
7	Establishment of Access Lab(Previously named as LTE Lab) Finalisation of Technical Specifications Finalisation of draft tender document Approval of Tender Document from DoT HQ	LTE	Q2 Q3 Q4
8	Establishment of SAR Lab Mumbai Sanction of Project Estimate Finalization of Draft Tender Document (Section 4 & 5 of tender document will be prepared by RTEC, Mumbai,remaining by MM Cell & also integrated by them) Submission of draft tender document to DoT for approval Issue of NIT	RTEC Mumbai	Q2 Q2

9	Establishment of Test Labs at RTECs Sanction of Project Estimate Preparation of Tender Document Approval of Tender Document from DoT HQ Floating of Tender	RTEC Delhi, Bengluru, Mumbai	Q2 Q2 Q3 Q4
10	Empanelment of IPv6 Network and Security Auditors (Tender Doc. Preparation, Tender Floating & Evaluation, Empanelment of Network Auditors) Tender Doc. Approval Tender Finalization	NA	Q2 Q3
11	Interconnecting RTECs through Routers Procurement of Routers Interconnecting RTECs	NA	Q2 Q3
12	Online Sale of Documents	IT	Q2
13	Online Collection of Test Fees	IT	Q4
14	LAN Upgradation	IT	Q3
15	e-Office	A/IT	Q2
Total Projects			15
B	New GRs/IRs		
(I)	Network Elements		
1	GR on Hybrid Power Supply for Rural Terminals	FA	Q2
2	GR on WDM PON	FA	Q4
3	GR for Integrated Broadband Access System for rural area connectivity	FN	Q4
4	GR on MPLS SDN Routers	IT	Q2
5	GR on Server based PABX with Media gateway	NGS	Q2
6	GR on Office in a Box	NGS	Q3
7	GR on Wireless broadband access and backhaul in ISM band	R	Q3
8	GR on WLAN Controller	R	Q3
9	GR on Optical Fibre Cable for Riser Application	T	Q3
10	GR on 40/80 Channel DWDM Equipment with a Channel Bit rate upto 10 Gbps	T	Q4
11	IR on Embedded SIM	TWA	Q3
12	GR for Long Term Evolution (LTE) advance	TWA	Q3
(II)	Measuring Equipment		
Total New GRs/IRs			12
C	Revision of GRs/IRs		
(I)	Network Elements		
1	IR on Executive Telephone System	FA	Q1
2	IR on Multi line Telephone system	FA	Q1
3	IR on Conference facility device	FA	Q1
4	IR on point of sales terminals with PSTN/CDMA/GSM/GPRS/ interface	FA	Q1
5	SPV Power Supply for Telecom Equipment	FA	Q1
6	Broadband Access Applications using GPON Teleshoping with amendment dated 25.04.2011	FA	Q3
7	GR on NMS on NGN	IT	Q2
8	GR on Call Center	IT	Q2
9	IR on Ethernet to E1 converter	IT	Q2

10	IR on High Speed Line Driver	IT	Q2
11	GR on MPLS-TP based carrier Ethernet Switch for Aggregation and Access Applications	IT	Q4
12	GR on IVRS	IT	Q4
13	GR on Trunk Media Gateway (No. TEC/GR/SW/TMG-S01/04/FEB13)	NGS	Q2
14	GR on Trunk Media Gateway (TMGW) for IP based Tax Network (No. GR/TMG-01/01. July 2003)	NGS	Q2
15	GR on Integrated Access Device (No. TEC/GR/SW/IAD-001/02/MAR2010)	NGS	Q3
16	EMC Standard for Telecom Equipment (No: TEC/EMI/TEL-001/01/FEB-09)	R	Q1
17	EMF Strength Measuring Instrument (No: TEC/TX/GR/EMI.001/02. SEP. 2011)	R	Q2
18	WiFi HotSpot (GR No. GR/WiFi-01/01.APR2007)	R	Q3
19	Test Procedure for Measurement of EMF (No. TEC/TP/EMF/001/02/OCT-2012)	R	Q3
20	Point to multipoint multifrequency broadband system for frequency bands	R	Q4
21	Accessories for installation of Aerial Optical Fibre Cable	T	Q3
22	Raw Material for Manufacturing Optical Fibre Cable	T	Q4
(II) Measuring Equipment			
1	GR on VoIP Performance Analyser	IT	Q4
2	GR on VoIP Protocol Analyser	IT	Q4
Total Revision of GRs/IRs			24
D Study Papers/White Papers			
1	Security Audit of NGN	CL	Q3
2	Global trend of cyber security policies	CS	Q4
3	G.Fast	FA	Q1
4	Physical security of Telecom System	FA	Q2
5	G.hn	FA	Q3
6	Li-Fi and its applications	FN	Q3
7	Copyright Laws & Legal Consequence of Copyright infringement	FN	Q4
8	Impact of software defined networking (SDN) tool in Energy efficiency measurements of a Telecom System	GP	Q3
9	M2M/IoT in automotive sector	IoT	Q1
10	IoT in Smart Cities	IoT	Q2
11	Smart Homes	IoT	Q2
12	Network Life Cycle Service Orchestration	IT	Q3
13	Network Function Virtualisation: Architecture and Core network applications	IT	Q3
14	Voice over LTE	LTE	Q3
15	Challenges for testing LTE devices	LTE	Q4
16	ZiG BEE	NA	Q3
17	Ultra Wide Band Communication	NA	Q4
18	Telephony Application Server	NGS	Q3
19	Unmanned Airborne Vehicle	R	Q3
20	Earth Station on Vessels and Earth Station on Aircrafts	R	Q4
21	Security of wireless sensor network	SN	Q3

22	Evolution of smart cities and way ahead	SN	Q4
23	Security in Cloud computing	TSA	Q2
24	CCS7 security	TSA	Q3
25	Cellular IoT	TWA	Q2
26	LTE based V2X	TWA	Q3
27	NGN in access network	SR	Q2
Total Study Papers			27
E	Other Activities		
1	Technical support to DoT	All	Continuous activity
2	Meetings with other Departments/Organisation	All	Continuous activity
3	Participation in NWG meetings under ITU-T Study Groups	All	Continuous activity
4	Formulation of guidelines on GSM BS in dynamic mode	FA	Q4
5	Coordination for contribution from TEC side in TEMC/NWG/QRP/PMA/Synergy amongst DoT organisations and IR related activities	FN	Continuous activity
6	Implementation of Cyber Security Policy 2010, Phase-I	CS	Q2
7	Implementation of Cyber Security Policy 2010, Phase-II	CS	Q4
8	Release of technical report on Smart Homes by Smart Homes	IoT	Q2
9	Pilot Project on soil testing development of prototype for soil testing in the smart village and Agriculture WG	IoT	Q2
10	Release of technical report on naming and addressing by M2M gateway and Architecture WG	IoT	Q2
11	Release 2 of technical report of Health WG	IoT	Q2
12	Release 2 of technical report of Smart Cities WG	IoT	Q2
13	Release 2 of technical report of Safety and Surveillance WG	IoT	Q2
14	Release of technical report of Environment & Pollution Control WG	IoT	Q3
15	Release of technical report of Smart Village and Agriculture WG	IoT	Q3
16	Release of technical report of Smart Governance WG	IoT	Q4
17	Withdrawal of 8 number of GR/IR/SD(s)	IT	Q2
18	Withdrawal of 2 number of GR/IR/SD(s)	IT	Q4
19	TEC website maintenance and design	IT	Continuous activity
20	Maintenance of LAN and Internet Connectivity	IT	Continuous activity
21	Designation of Indian Labs as CABs/CBs	M&P	Continuous activity
22	Recognition of Indian/Singapore CABs under MRA Scheme	M&P	Continuous activity
23	Review of scheme for recognizing foreign designated CABs	M&P	Q2
24	Review of scheme for designation of Indian Labs as CABs/CBs	M&P	Q2
25	Competency Development (Training/Conference/Seminars)	M&P	Continuous activity
26	TEC News letters	NGS	Q1,Q2,Q3,Q4

27	"Sancharika" Hindi Magazine	NGS	Q3
28	Hindi Rabahsha Related work	NGS	Continuous activity
29	Hindi Pakhwada Aayojan in Sep 2016	NGS	Q3
30	CMRTS/PMRTS Licence/ Test Cases	R	As and when received from DoT
31	Testing of mobile phones for compliance to SAR limits .	R	Continuous activity
32	Implementation of ISO 9001:2008 for TEC	R	Continuous activity
33	Participation in TAG and APEX committee on Satellite Communications.	R	Continuous activity
34	Testing & Certification of Telecom Products	RTECs	Continuous activity
35	Testing of Equipments/devices in NGN Lab	TSA	Continuous activity
36	Testing of devices on IPv6 Ready Logo test bed	TSA	Continuous activity
37	Examination & Review of IPv6 Ready Logo test results	TSA	Continuous activity
38	Providing technical support to other government departments	All	Continuous activity