File No. 8-22/2021-IT-II
Government of India
Ministry of Communications
Department of Telecommunications
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Sanchar Bhawan, New Delhi
Dated the **13.09.2022**

Subject: Integration of various Web-Portals of DoT - Roadmap for implementation

The matter regarding Integration of existing Web-Portals (Saral Sanchar, SARAS, TARANG Sanchar, MTCTE, CEIR, TAFCOP, RFCoverage, etc.) of DoT is being pressed upon by Secretary DoT from quite sometimes so that databases of these applications can be linked/updated and availability of real-time reports/information for public or industry consumption can be made available. This was discussed during the meeting chaired by Secretary on 10th Nov 2021, 2nd Dec 2021 and 05th Jan 2022. During the last meeting, it was devised that a DOT Dashboard of Dashboards (DoD) may be prepared with feeds from all DOT portals and there will be two versions of the DoD - a Public DoD for Citizens including businesses, and other DOD for Internal Users only.

2.   IT Wing, in association with the NIC has created a number of dashboard tiles and progressing as per data submitted by the various divisions. It is expected that, the new version of Dashboard Application will be rolled out by NIC during Sept/Oct 2022. The new version will have the feature to present figures on the basis of License Areas or States. The Drill down facility till the level of last demographic entity will be available.

3.   IT Wing is also working to introduce a small dashboard on the homepage of the DoT Website. The DoT Website will host about 16 most important KPIs of the Department in its Native Dashboard. The Dashboard Tiles in the DoT Website will be either linked to DoT Dashboard or the Individual Web portals.

4.   As for as the action plan regarding integration of various Web-Portals, DoT Website with DoT Dashboard and DoT Dashboard with various Web-Portals is concerned the following is proposed:

  a. **Integration of various Web-Portals:** DoT has many Web-Portals but these have been developed in standalone mode by various units/wings. At present these portals have an autonomous authentication system, role management, unique process flow, rigid data structure, follows very odd color themes, have a nonstandard menu system and hardly comply to the STQC and GIGW framework. Open access to the dashboard/various kind of reports which may be useful to the public, students, Government Agencies etc. is hard to figure out. The absence of native dashboard deprives the Department to showcase its achievements. Possibility for integration of the various web-portals, optimization of datasets, identification of KPIs, GIS implementation, integration with SMS and eMail Gateways, Aadhaar based authentication, Digital Signing Services, Payment Gateway etc. along with API-based integration with DoT Dashboard needs to be explored.

b. **Integration of DoT Website with DoT Dashboard:** It has already been decided that 16 important KPIS will be displayed in a Native Dashboard interface on the home page of the Department's Website. The same has already been tested in a development server and proposed to be made live. Initially, the Dashboard tiles will be populated manually and an API-based integration between DoT Website and DoT Dashboard/Web Portals would be explored.

c. **Integration of DoT Dashboard with various Web-Portals:** Initially, DoT Dashboard had 25 tiles with 92 KPIs. Now the count of total tiles has increased to 40 and many more tiles are still proposed for creation. Out of these tiles, periodic data for only 4 tiles is received in an automated manner. For the rest of the tiles, periodic data is entered manually as per the predefined periodicity. Possible integration with various Portal needs to be explored.

5. Accordingly, the following instructions/guidelines may be considered for smooth and early implementation:

a. The look and feel of all web-portal should be similar so that users feelings of being at DoT Domain shall remain.

b. Chatbots and other advanced features may be developed for public-centric applications.

c. On the home page, these portals shall have links to various portals of DoT and important portals of GoI.

d. For Web-hosting, secure cloud-based servers, including DR sites, and proper software shall be used. Each Portal should have a proper mechanism for Load Balancing, Data Backup, Security Audit, and compliance for all its Portals and Dashboards.

e. Integration of these portals with the LGD Data base, data.gov.in, Umang, Sandes, SMS Gateway, eMail Gateway, Aadhaar based Authentication System, Payment Gateway, BharatKosh, PFMS, Digi locker integration etc. shall be explored and completed on priority.

f. Developers of these portals need to be asked to design the process/systems in such a way to extract customized content through pluggable user interfaces through Web services.

g. GIS shall be implemented (for Mobile Coverage and Optical Fiber Cable) for showcasing the progress and to support the decision-making.

h. In view of proposed integration between DoT Website - Web-Portals and DoT Dashboard - WebPortals; and to project the various initiatives being undertaken by the Department; it is required that each individual web-portal i.e. Saral Sanchar, SARAS, USOF, PMWANI, DoT Pension Portal, CDIS, PPP-MII, Tarang Sanchar, MTCTE, CEIR, TAFCOP, RFCoverage, NCCS, etc. shall have a NATIVE DASHBOARD like GatiShakti Sanchar Portal or Dashboard of Tribal Affairs Ministry (https://dashboard.tribal.gov.in/) and shall follow the standards Codes & Protocols and have proper reporting mechanism, adequate processing capabilities, sufficient storage capacity, data visualization tools, etc. Further, these systems shall be hosted in a reliable, secure networking environment and comply with all the security protocols.

i. These Dashboards shall be based on common technology and have features to present the data in various slices and dices useful for decision making. It shall be kept in mind that the data requirement of an internal user may differ from the public or a researcher may require information in a different format or granularity and the requirement of a Media Person may differ from other subgroups.

6. All the Divisions shall submit details of web-portals in the following format maintained by them, like domain name, IP Address of Web-server & Database Server, where is it hoisted, OS, Web-server, database, Scripting Language, who is the developer with details, etc. where is the database stored (Main & DR) etc. to IT wing.

Name of Organization:			
URL of Web Portal/Website:			
Name of Registrant of Website:			
Designation:			
Email Id:			
Contact No. (Mob/LL):			
IP Address of Web Server	**IP Address of Data Base Server**	**Site Status (Main/ DR)**	**Website Developer & Hosting details**
Operating System Stack	**Web Server / Software**	**Data Base Server / Software**	**Scripting Language**

7. This is issued with the approval of DDG(IT)

(Shailendra Sagar) 13/9/22
ADG(IT-II)

To,
Website Registrants in DoT, As per the list

Copy to:
1. PSO to Secretary(T)
2. Sr. PPS to Additional Secretary(T)
3. Sr. PPS to Member(S), Member (T) & Member(F)
4. Sr. PPS to Director General (Telecom)
5. PPS to DDG (Security Assurance)
6. Sr. Technical Director, NIC-DoT

List of Website Registrants in DoT

Sl. No.	Domain Name	Project Owner	Designation
1	https://dot.gov.in/	Sh. Virender Prasadd ddgit-dot@nic.in	DDG(IT)
2	http://dcis.dot.gov.in/	Sh. Y.G.S.C. Kishore Babu Ddg.sri-dot@gov.in	DDG(SRI)
3	http://india6g.dot.gov.in/	Sh. Rajesh Pathak ddgic-dot@gov.in	DDG(IC) 011-23717542
4	https://ocbms.dot.gov.in	Sh. Tejpal Singh dirds2-dot@nic.in	Director(DS-II) 011-23036860
5	https://www.ceir.gov.in/	Sh. Vijay Agrawal vijay.agrawal@gov.in	Director(UDS)
6	https://saralsanchar.gov.in/	Sh. Dindayal Toshniwal ddgnt-dot@nic.in	DDG(NT)
7	http://sancharvhr.gov.in	Sh. L B Lal lb.lal@nic.in	Director 011-23372722
8	https://www.saras.gov.in/	Sh. Bhavesh Anil Sharma bhavesh.anils@gov.in	ACAO(LFA-II) 011-23372193
9	https://dotpension.gov.in/	Accounts support.pfms-dot@gov.in	
10	https://dotrevenue.gov.in/	Ms. A B Divya adglf3.hq-dot@nic.in	
11	https://www.cgca.gov.in/	Ms. Santosh Choudhary santosh.choudhary90@gov.in	ACAO
12	http://usof.gov.in/	Sh. Sahil Garg dyadmnfin1.hq-dot@gov.in	Dy Adminiatrator
13	http://esankalan.dot.gov.in	Sh. Taranjeet Singh taranjeet.singh30@gov.in	Dy. CGCA(BA&IT)
14	http://sugamsanchar.gov.in/	Sh. Neeraj Kumar neeraj@gov.in	DDG(BBM) 011-23746141
15	http://gatishaktisanchar.gov.in/	Sh. Neeraj Kumar neeraj@gov.in	DDG(BBM) 011-23746141
16	www.tec.gov.in	srddg.tec@gov.in	Sr. DDG 011-23320252
17	https://www.mtcte.tec.gov.in/	Sr TEC	
18	https://tarangsanchar.gov.in	Sh. Jaipal Singh Tomar dirp.hq-dgt-dot@gov.in	Director
19	https://tafcop.dgtelecom.gov.in/	DGT	
20	https://rfcoverage.dot.gov.in/	DGT	
21	https://pmwani.gov.in/	Sh. Ashok Kumar Jain dirds3-dot@nic.in	Director
22	https://nccs.gov.in	Ms. P Radhika directorhq.nccs-dot@gov.in	Director
23	http://www.ntiprit.gov.in/	Sh. Sandeep Bhardwaj sandeep.bhardwaj@gov.in	Director
24	http://www.nicf.gov.in/	Sh. Devendra Kumar Nim devendrakumar.nim@gov.in	