



Department of Telecommunications  
Telecommunication Engineering Centre  
K.L. Bhawan, Janpath, New Delhi – 110001  
(Convergence & Broadcasting Division)



No: - 4-16/2018-C&B/TEC/NWG-9

dated: 29<sup>th</sup> September 2022

**Meeting Notice**

**Sub: Fifth Meeting of National Working Group-9 (NWG-9) corresponding to the ITU-T Study Group 9 (SG9) for Study Period 2022-24 regarding "Broadband Cable and TV" :- Reg.**

The first meeting of ITU-T SG9 was held from 6th to 14th September 2022 in fully virtual mode. The Indian delegation attended this SG9 meeting was headed by NWG-9 Chairman Sh. Avinash Agarwal, DDG (C&B), TEC and other members of the delegation were Dr. Pradipta Biswas, Asst. Professor – Vice-Chair NWG-9, Mr. Rajiv Khattar, Maj. Gen. Dr. Pritam Bishnoi, TSDSI, Sh. Rakesh Desai, Dir (C&B-II) TEC, Ms Meenakshi Singhvi, Prasar Bharti, Mr Pallab Dutta , C-DOT, Mr Aftab Alam, ADG (C&B).

2. SG9 meeting has approved NWG-9, India contributions in r/o Q.1/9, 2/9 and 11/9 and our contributions resulted into initiating four new work items – one Recommendation on CAS, and three Technical Reports, one each on CAS, Wi-Fi TV, and Live Captioning. The SG-9 has also planned various interim Rapporteurs meetings during October 2022 to February 2023 to discuss the progress on new / ongoing work items.

3. NWG-9 members were also nominated on various management positions of SG9 as under: -

i) Prof Dr. Pradipta Biswas, Indian Institute of Science, India

- SG9 Vice-chairman; Vice-chairman of WP2 of SG9, Co-chairman of IRG-AVA; Liaison Officer for JCA-AHF.

ii) Sh. Rajiv Khattar, Researcher and Expert: -

- Associate Rapporteur Q2/9; Editor of 1 work item – JSTR.LCAP

iii) Sh. Avinash Agarwal, DDG (C&B) TEC:

- Rapporteur Q11/9 ; Associate Rapporteur Q3/9 ; Liaison Officer from SG9 to SG3 (Economic & policy issues) ; Editor of 4 work items – J.FSR-REQ, TR.FSR, J.TR.WiFiTV, JSTR.LCAP.

iv) Sh. Rakesh Desai, Director (C&B-II) TEC:

- Rapporteur Q8/9 ; Editor of 2 work items – J.FSR-REQ, TR.FSR.

v) Ms. Meenakshi Singhvi, Director, Prasar Bharati:

- Associate Rapporteur Q3/9.

vi) Sh. Pallab Dutta, CDOT:

- Editor of 1 work item – J.TR.WiFiTV

4. It is pertinent to mention that the next meeting of SG9 will be held in March or April 2023.

5. In this context, it is to inform that **the fifth (5<sup>th</sup>) meeting of NWG9 is scheduled on Tuesday, 11th October 2022 at 12 noon** under the Chairmanship of Sh. Avinash Agarwal, DDG (C&B) TEC & the Chairperson of NWG-9 to discuss and deliberate the aforesaid 4 approved work items. It is also proposed that the Working Parties (WPs)/ Working Groups (WGs) may be formed in respect of different Questions of SG9 and each WP/ WG would handle 2-3 Questions. It is envisaged that the proposed WPs/ WGs would further help NWG-9 in building the four (4) approved work items and prepare the inputs / comments consolidating the views of the subject experts on other ongoing work items in respect of remaining questions. Hence, NWG-9 members are requested to come forward for such focused WPs / WGs and submit their nominations by **7th October 2022**. The Chairpersons and members of WPs/ WGs will be finalised during the forthcoming NWG-9 meeting dated 11th October 2022.

6. The NWG-9 members are requested to furnish their inputs / comments on the above-stated work items before the meeting dated 11/10/2022 on dircb2.tec-dot@gov.in with copy to avinash.70@gov.in.

7. The NWG-9 Members are also requested to identify relevant experts from the Academia, start-ups, industry, OEMs, etc and mail the requisite information in this regard at the earliest so that such experts can be included in NWG-9 group and accordingly invited for the fifth meeting of NWG-9.

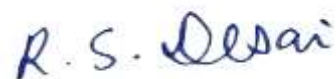
8. Agenda of the meeting is enclosed herewith for kind perusal. Meeting Link details are as follows: -

Room Name: National Working Group -9 (NWG-9)

Join CDOT meet at:

<https://cdotmeet.cdot.in/vmeet/rak-wp2-cnd-4v1>

You are kindly requested to make it convenient to attend the meeting.



(Rakesh Desai)  
Convener, NWG-9 &  
Director, (C&B-II), TEC

Encl.: As Above.

To,

All members of the NWG-9

Copy for kind information to:

1. Sr.DDG& Head TEC, New Delhi
2. DDG (C&B), TEC, New Delhi.

## ‘Fourth Meeting of National Working Group-9: Broadband Cable and TV’

**Date, Time** **11<sup>th</sup> October 2022, 1200 – 1315 hrs.**

**Venue** Video-conference

**Meeting Link** <https://cdotmeet.cdot.in/vmeet/rak-wp2-cnd-4v>

**Welcome address**

Sh. Rakesh Desai, Director (Convergence & Broadcasting-II), TEC 2 min.

**Opening Remarks and Setting the Context**

Sh. Avinash Agarwal, Chairman NWG-9 & DDG (Convergence & Broadcasting), TEC 5 min.

**Open House Discussion on:**

- Discussion of approved work-items during SG-9 meeting from 6-14<sup>th</sup> September 2022 in respect of NWG-9 Contributions: - 50-60 min.
  1. J.TR.WiFiTV (Technical Report) on Secondary distribution of digital television and audiovisual content to portable devices using Wi-Fi (Q.1/9);
  2. J.FSR REQ (Draft Recommendation) Factual subscriber base reporting and protected content delivery in conditional access system (CAS) -Requirements (Q.2/9);
  3. TR-FSR:- Technical report on factual subscriber base reporting and protected content delivery in conditional access system (Q.2/9);
  4. JSTR.LCAP (Technical Report) Technical advances, challenges, and best practices in live captioning (Q.11/9).
- Formation of focus groups to take forward the NWG-9 Contributions and complete the work items by the forthcoming SG-9 meeting scheduled to be held in March-April 2023.
- Any other items with the permission of the Chair.

**Closing Remarks and Way Forward**

Sh. Avinash Agarwal, Chairman NWG-9 & DDG (Convergence & Broadcasting), TEC 5-7 min.

**Request:**

Kindly ensure the connection to the meeting link 10 minutes prior to the event to help us start on time.