

# QUARTER HIGHLIGHTS (SEPTEMBER TO DECEMBER 2022)



Dear Respected Member,  
ITU-APT Foundation of India (IAFI) is delighted to share about the quarterly activities.

**AWG 30:** The 30th Meeting of APT Wireless Group (AWG-30) was held in Bangkok from 4-9 September with over 300 participants and continued various studies relating to wireless technologies and spectrum. The meeting agreed to set up a new task group to study WI-FI in 6GHz and Mr. Bharat Bhatia was appointed as the chairman of this new Task Group. The AWG-30 also agreed to make the IAFI proposed 600 MHz band which provided additional 5+5 MHz as compared to the US 600 Plan as the main and only APT600 band plan.

**Spectrum & Regulatory Issues for WRC-23:** ITU-APT Foundation of India (IAFI) hosted a national workshop on "Spectrum & Regulatory issues in preparation for WRC-23" with the focus on GEO and LEO Satellite issues and Wi-Fi in 6Ghz band. Shri. K Rajaraman was the chief guest at the event. He mentioned that with more people in India joining the digital bandwagon, the data consumption will rise and in turn pressure on the use of spectrum will also increase. Also adding that it is important to discuss the possibility of convergence with terrestrial networks (mobile networks) and non-terrestrial networks. The gathering of the event was above 160 people, which included many stalwarts of the various industries i.e., Wi-Fi, Satellite, Telecom operators, government and private stakeholders and media professionals.

**PP-22:** ITU-APT Foundation of India (IAFI) participated in the ITU Plenipotentiary conference (PP-22) in Bucharest, Romania along with the Indian delegation, which is taking place from 26<sup>th</sup> Sept to 14<sup>th</sup> Oct wherein Indian government hosted a dinner reception on 27th September 2022 to present Mrs. Revathi Mannepalli as the candidate for Radio Regulation Board (RRB) elections which was supported by IAFI.

**IEEE Event on Connecting the unconnected:** Mr. Bharat B Bhatia emphasized on the importance of Public Wi-Fi initiatives that are taken by the government of India to support the community enablement. One of the best examples of the same would be the PMWANI scheme which is an initiative to distribute the internet through installations of public Wi-Fi hotspots all over India without the need of license, he also presented his views



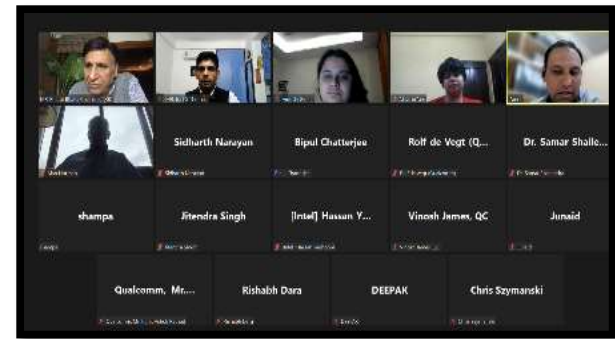
**New Telecom Law:** ITU-APT Foundation of India (IAFI) along with “Telecom Equipment Manufacturers Association (TEMA) organized a virtual workshop on 13th October 2022 to review the draft of the New Telecom law. The event was addressed by the Department of Telecom as well as eminent telecom and legal luminaries including Sr. Advocate, Lalit Bhasin, President Society of Indian Law Firms and Shri. PK Malhotra, the former Law Secretary and others.”

**6GHz Wi-Fi demo at IMC-22 :** The opening of the new 6 GHz band by many countries in the world, is the biggest spectrum addition to Wi-Fi after almost two decades. The new Wi-Fi technology - Wi-Fi 6E adds support for 6GHz spectrum, plus faster wireless speeds and lower latencies, Qualcomm who is the corporate member of IAFI during the Indian Mobile Congress 2022 demonstrated the capabilities of Wi-Fi 6E. IAFI has already been appealing to the government regarding the importance of delicensing of 6GHz spectrum for Wi-Fi 6E highlighting the importance of 6GHz to open new opportunities for innovators and manufacturers to develop products and technologies

**6GHz Consumer Study** - IAFI has signed an agreement with CUTS International – Consumer Unity & Trust Society to do a multifaceted consumer study in India to understand, examine, and highlight community and consumer perspectives (including possible challenges, concerns, preferences, expectations, time and cost saved, improved efficiency and productivity, access to knowledge, skills, economic and employment opportunities, participation in governance, among others , to support community enablement.

**IAFI Annual General Meeting(AGM):** 19th AGM of the ITU-APT Foundation of India (IAFI) was held on 28th October at CSOI, New Delhi and considered the details of the activities and accounts during FY21-22. The 19th AGM also conducted the bi-annual elections and new office bearers were elected. Details of the new office bearers can be seen at our website.

**Annual Dinner Reception :** ITU-APT Foundation of India (IAFI) organized the Annual Dinner Reception after the 19th AGM at CSOI, KG Marg hosted by the Executive council of IAFI. The 19th AGM marks the completion of 20 years of IAFI as an organization and was an important occasion to express our appreciation towards the senior officers from various depts such as DoT, TRAI, TEC, WPC, BSNL, COAI etc. This dinner reception was a meet and greet for all the telecom fraternity and was very well attended by the society members and appreciated by all



**IAFI Update on Wi-Fi 6GHz spectrum:** CUTS International along with IAFI is conducting a study on 6Ghz consumer study in India to understand, examine, and highlight community and consumers, participation in governance, among others, to support community enablement. A zoom meeting of CUTS International among various stakeholders took place on 30th Nov 2022 wherein CUTS presented various approaches for the understanding of consumer perspectives on the 6Ghz band

**ITU-D SG:1:** ITU-APT Foundation of India has presented the document in ITU-D SG-1. The context of the document was (Enabling environment for meaningful connectivity on accessing broadband services using Wi-Fi connectivity through Public Data Office) This meeting concluded on Friday 2nd December 2022. The contribution was well accepted by the ITU-D. A focused approach was adopted by the study group for the people living in rural areas, to make available a broadband system for sustainable development of networks which will be incoming for chapters 1 & 2 of final report in the next ITU-D meetings.

**15<sup>th</sup> EC Meeting:** 15<sup>TH</sup> Executive Council meeting of IAFI was held on Friday, 2nd December 2022. The EC approved two new corporate members i.e., Tata Communications and Shure Incorporated and one new individual member. The meeting also approved the creation of a new member category for academia along with a campaign to register eminent educational institutes as members. The EC also approved hosting of four events during 2023.

**ISM-22:** IAFI successfully organized the 2nd India Spectrum Management Conference organized by ITU-APT Foundation of India (IAFI) on the 6th & 7th December 2022 covering new spectrum strategy for 5G expansion, digital divide, connecting the unconnected and providing impetus to local manufacturing and innovation in India. Honorable Minister of State for Communications of India Shri. Devusinh Chauhan was the Chief Guest of the event. He said that the "high-speed roll out of 5G across all sectors will be the key to reducing the digital divide leaving no man behind". ISMC-22 took place less than a year before the WRC-23, and was a great success with over 300 participants and 50+ speakers

## MEDIA SHOWCASE: FOLLOWING ITEMS RELATED TO IAFI WHICH WERE COVERED IN THE MEDIA

- [Building the case for direct to mobile using 3GPP Broadcast for India's Broadcast Digitalisation](#)
- [5G: Atmanirbhar Bharat: India has strong 4G, 5G ecosystem today, says MoS telecom, Telecom News, ET Telecom \(indiatimes.com\)](#)
- [Department Of Telecommunications: Telecom department committed to spectrum allocation for economic benefits: Official, Telecom News, ET Telecom \(indiatimes.com\)](#)
- [Minister calls for new spectrum strategy to support innovations and manufacturing | Communications Today](#)
- [IAFI: ITU-APT seeks exclusion of OTT players, fee waiver for rural telephony in new telecom law, Telecom News, ET Telecom \(indiatimes.com\)](#)
- [IAFI and TEMA call for simplification of the Draft Telecom Bill | Communications Today](#)
- [APT nominates IAFI President to lead Wi-Fi 6 studies | Communications Today](#)
- [Don't auction satellite spectrum if you want good rural broadband, says chief of telco body IAFI \(theprint.in\)](#)
- [Asian countries to support India's candidate for ITU Regulation Board elections | Communications Today](#)
- [IAFI hosts global workshop on challenges & opportunities in Green Telecom | Telecom Magazine India \(communicationstoday.co.in\)](#)
- [Global UN body ITU adopts 6G mobile technology trends | Communications Today](#)
- [IAFI hosts World Wi-Fi Day celebrations | Communications Today](#)
- [3GPP approves IAFI's 600 MHz band plan | Communications Today](#)
- [ITU global conference on telecom development starts in Africa | Communications Today](#)
- [5G networks: IAFI seeks policy support to allocate spectrum for captive 5G networks, Telecom News, ET Telecom \(indiatimes.com\)](#)
- [IAFI seeks policy framework for industrial, enterprise 4G/5G networks | Communications Today](#)
- [A Summary outcome of World Radio Conference 2019 \(WRC-19\) & WRC-23 Outlook](#)
- [DoT Secretary tells stakeholders to increase participation in ITU activities](#)
- [IAFI Celebrates World Telecom & Information Society Day](#)
- [5G and Beyond Towards 6G, An Industry Overview](#)



# LAST QUARTER IAFI EVENTS

**ITU-APT**  
Foundation of India

Media Partner  
**COMMUNICATIONS**  
TODAY

**National Workshop on "Spectrum and Regulatory Issues in Preparation For WRC-23"**  
Focus on LEO and GEO Satellites Issues and Wi-Fi in 6 GHz Band

**Chief Guest**  
Shri K. Rajaraman, IAS - Secretary, DoT and Chairman DCC

Monday, 12th September, 2022 **Physical Event**  
At Hotel Shangri-La, New Delhi, India

**IAFI**  
ITU-APT Foundation of India

**19<sup>th</sup> Annual General Meeting**  
of  
**ITU-APT Foundation of India**

Friday, 28th October 2022, 4:30 PM Onwards  
at CSOI, KG Marg, New Delhi

**INDIA DINNER RECEPTION**  
In ITU PP22 On Tuesday 27th September, 2022  
BUCHAREST, ROMANIA

Supported By  
**IAFI**



ORGANISER  
**IAFI**  
ITU-APT Foundation of India

EVENT MANAGER  
**BHARAT EXHIBITIONS**

ITU-APT Foundation of India

**2nd INDIA SPECTRUM MANAGEMENT CONFERENCE**

6th - 7th December, 2022  
Le Meridien Hotel, New Delhi

**IAFI** **TEMA** **CMAI** **PRD** **TEPC**  
ITU-APT Foundation of India | Having the Telecom Revolution | CMAI Association of India Communication Multimedia and Infocommunications | PRD | TEPC

**Discussion on the New Telecom Bill, 2022**

Thursday, 13th October 2022, Virtual event

## LINKS TO OUR ACTIVITIES & PROGRAMMES

1) [42<sup>nd</sup> Working Party 5D Documents](#)

2) [PP-22, India's Dinner Reception](#)

3) [Indian Telecommunication Bill](#)

4) [IAFI's Annual Dinner Reception](#)

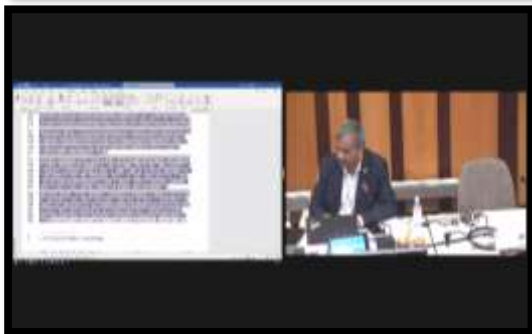
5) [Letter to Shri. K Rajaraman  
\(Delicensing of 6Ghz Spectrum\)](#)

6) [Letter to Shri. Ashwini Vaishnaw  
Hon'ble Minister of Communications  
and IT](#)

7) [Letter to MOS-C {Shri. Devusinh  
Chauhan}](#)

8) [India's Spectrum Conundrums](#)

## ACTIVITIES IN OUR FOCUS AREAS DURING SEPTEMBER TO DECEMBER 2022



**The 42nd meeting of Working Party 5D: 42<sup>nd</sup> meeting of WP5D:** The 42nd meeting of the ITU WP5D, which is responsible for the overall radio system aspects of IMT (4G, 5G and 6G) began on the 10th of October 2022, and concluded on the 21st of October. IAFI President Mr. Bharat Bhatia is chairing the group on 5G for industrial applications of 5G along with Mr. Jitendra Singh (DG Chair) in the meeting. 9 contributions submitted by the IAFI were successfully presented and accepted. Many IAFI members have been registered as delegates for the meetings and are actively participating in these meetings. In addition, 2 contributions submitted by IAFI to the NSG and submitted by the Indian administration were also accepted and incorporated into the working documents, including the one on 600 MHz arrangements.

IAFI Radio Group's weekly meetings to prepare our contributions for this meeting concluded on 30th Sept 2022.. A total of 9 contributions have been developed. These include; IMT Multimedia, Update on Activities of Region 3, further update on resolution 56 and 65 of ITU-R, IMT- 2030 (6G) Vision, Sharing and compatibility studies of IMT (6GHz) etc. These documents have been finalized to be submitted and presented in the 42nd Working Party 5D meeting.

**Working Party 5D:** The 43<sup>rd</sup> WP5D will take place from the 31<sup>st</sup> of January 2023 to the 9<sup>th</sup> of February 2023 at the head office of ITU in Geneva, Switzerland. A total of 13 contributions have been identified by the IAFI core team the work has been initiated on these with the help of core members and stakeholders. These documents include; IMT Multimedia, IMT Applications, further update on resolution 65 of ITU-R IMT- Vision Document, etc. Interested participants can still send their nominations, and the same will be approved by IAFI

**IAFI organised a dinner reception:** Hosted by Shri Devusinh Chauhan, Minister of State for Communications and Shri Rahul Shrivastava Ambassador of India to Romania India at the venue of PP-22 in Bucharest, Romania. The Dinner was organised to support Mrs. Revathi Mannepalli India's Candidate for Member, Radio Regulations Board of ITU and India's candidature for the ITU Council. The Indian delegation were Mr. R Shakya (DDG International Relations) & Ms. Aprajita Sharma (DDG Budget & Public Enterprise Finance) along with Mr. Bharat B Bhatia, President (IAFI) & Ms. Aarush, General Manager (IAFI). 5000 delegates from all around the world are participating in this meeting.

**India's big win at ITU PP-22 Meeting in Bucharest:** Mrs. Revathi Mannepalli, India's Candidate for Member, Radio Regulations Board (RRB) of the International Telecommunication Union (ITU) won the elections with the support of 139 countries out 180 countries that voted in these elections. She got the highest number of votes in Region E –Asia and middle east. Candidates from Saudi Arabia and China also won while Indonesia lost the RRB elections. India also won a seat in the administrative council with





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APG23-5: Preparatory meetings regarding the discussions on WRC-23 agenda items in preparations for NPC-23 and APG23-5 meetings have been initiated by IAFI. IAFI has also circulated a PowerPoint Presentation amongst the Weekly Radio Group members to gather views and incorporate them accordingly. Furthermore, WPC is also holding meetings working groups of NPC: WG-1 (Terrestrial Services) on 6th January 23, WG-2 (Aeronautical and Maritime) on 3rd January 23, WG-3 (science issues) on 29th December 22, WG-4 (Satellite Issues) on 28th December 22 and WG-5 (General Issues) on 5th January 23 to prepare for the APG-23/25.



**IAFI wrote a letter to Shri. K Rajaraman (IAS)** : Secretary Dept. of Telecommunication & Chairman DCC highlighting the importance of delicensing of 6GHz spectrum for Wi-Fi6e highlighting the importance of 6GHz to open new opportunities for innovators and manufacturers to develop products and technologies and also increase opportunities for smart home and industrial products being manufactured in India for export markets. National Study Group (NSG-5), the DOT committee for preparing ITU contributions for WP5D met on 19th September to consider a number of input contributions, including two from IAFI. The inputs from IAFI included one input on further updating of the proposed new recommendation for 6G vision and second on inclusion of frequency arrangements for the new 600 MHz band, which was originally conceived by IAFI and later approved by the APT. This band was also included in the recent 5G auctions.



**IAFI response on New Telecom Law:** IAFI has submitted our coordinated response to the consultation paper by the Department of Telecommunication on the need for a New Legal Framework Governing Telecommunication in India. The paper has been drafted by IAFI core members & various stakeholders. This consultation paper focuses on the updating the 1985 Indian Telegraph Act for enabling a future – ready framework for the development of new technologies. Furthermore, the proposed new law would bring in regulatory clarity and lay down a specific legal framework for digital India. The timeline for the submission of the new draft telecom bill has been extended to the 10th of November and IAFI has recalibrated its response to the consultation paper on terms of recommendations and comments and prepared a cover note and document for the Department of Telecommunications.



**ITU-APT Foundation of India (IAFI)** had a meeting with a Mr. Hiroyuki Matsumura President, HRCP Research and Development Partnership & Keitarou Kondo, Senior Architect, HRCP. The HRCP team presented the new Gbps-class wireless technology i.e., TransferJetX (TJX) especially for short range devices (SRD's) which enables Ultra-High-speed P2P data transfer on the spectrum band of 60Ghz (V-band). IAFI has been recommending to the government for the delicensing for E-band and V-band, TransferJetX (TJX) technology showcases the capabilities of a (V-band)