



Minutes of the 19th meeting of the Annual General Body Meeting of the ITU-APT Foundation of India (IAFI) was held on, 28th October 2022 at 04:30 p.m. onwards as a Physical meeting in at CSOI KG Marg, New Delhi.

Welcome and approval of

19th Annual General Body Meeting of IAFI consisted of 28 Members:

- Shri Bharat B Bhatia, President
- Shri RN Aggarwal, Co-Chairman
- Shri HC Soni, Treasurer
- Shri Vijay Gupta, Member
- Shri Tilak Raj Dua, Chairman.
- Shri SN Gupta, Secretary General
- Shri Jitendra Singh, Executive Member
- Shri Vimal Wakhlu, Vice President
- Shri SS Motilal, Executive Member
- Shri RK Mishra, Vice President
- Shri Rakesh Mehrotra, Vice President
- Shri SP Purwar, Member
- Shri Arif Khan, Member
- Shri BK Mitra, Executive Member
- Shri Kuldeep Goyal, Member
- Shri Pawan Garg, Vice President
- Shri MP Singhal, Member
- Shri Sudhir Gupta, Member
- Shri. Neeraj Dindore, Executive Member
- Shri. KS Srinivasan, Member
- Shri. RP Agarwal, Executive Member
- Shri, S D Saxena, Member
- Shri. Shyam Kaushal, Member
- Shri. Umesh Kumar Gupta, Member
- Shri. Prem Chand Jain, Member
- Shri. Ashok Galas, Member
- Shri. Mahabir Prasad Singhal, Member
- Shri. RN Agarwal, Member

1) Chairperson's message

Mr. Tilak Raj Dua, chairman presented his message to the AGM. Mr. Tilak Raj Dua ji. It started with emphasis on how IAFI believes in giving back to the society as a whole. Mr. Dua ji also spoke on the achievements over the last year under the able guidance of Mr. Bharat B Bhatia ji, and reiterated a small history of IAFI over the preceding years. All contributions for making IAFI at a greater pedestal was highly appreciated.

A copy of his message is enclosed at Annex 1 of these minutes.

2) Annual Report of the work of the society during the past year 2021-22

The Annual report of the foundation was presented by Mr. Bharat Bhatia, President.

A copy of his report is enclosed at Annex 2.

3) The Statement of Accounts of the society for the year 2021- 22 as approved by the Executive Council.

The audited accounts for the year 2021-22 were presented by Mr. HC Soni, Treasurer of society. The accounts were unanimously approved by the AGM.

4) Appointment of auditors and fixing their remuneration

AGM approved the continuation of the existing auditor's M/S Sethi Aggarwal and Associates at an increased monthly remuneration of Rs. 8000 per month (from the existing Rs. 6000 per month) due to increased activities of the society.

5) Election of the office bearers of the Society for the years 22-23 and 23-24

5.1 AGM Elected the following new EC and governing council members for 22-23 and 23-24

List of Governing Council and Executive Council for 22-23 and 23-24

| Governing Council | | |
|-------------------|-------------------------|-------------------|
| S. No | Name | Post |
| 1 | Shri. TR Dua | Chairman |
| 2 | Shri. SP Purwar | Co-Chairperson |
| 3 | Prof. N K Goyal | Vice-Chairman |
| 4 | Shri. P K Garg | Vice-Chairman |
| Executive Council | | |
| 1 | Shri. Bharat Bhatia | President |
| 2 | Shri. SN Gupta | Secretary General |
| 3 | Shri. HC Soni | Treasurer |
| 4 | Shri. D Vemana Chary | Vice President |
| 5 | Shri. Jitendra Singh | Vice President |
| 6 | Shri. K. S. Srinivas | Vice President |
| 7 | Shri. Rajesh Mehrotra | Vice President |
| 8 | Shri. Rakesh Mehrotra | Vice President |
| 9 | Shri. R K Mishra | Vice President |
| 10 | Shri. R P Agrawal | Vice President |
| 11 | Shri. Aloknath De | Executive Member |
| 12 | Shri. Arif Khan | Executive Member |
| 13 | Shri. Manoj Mittal | Executive Member |
| 14 | Shri. Shyam Kaushal | Executive Member |
| 15 | Shri. S S Motial | Executive Member |
| 16 | Shri. Umesh Kumar | Executive Member |
| 17 | Shri. Vijay Kumar Gupta | Executive Member |

5.2 5 More members had given their nominations but their nominations were received after the due date . AGM decided to co-opt these 5 nominees as Executive members

| S. No. | Name of the Nominee | Date of Receipt of Nomination | Post |
|--------|---------------------|-------------------------------|------------------|
| 18 | Nishitha Kapoor | 16 th October 2022 | Executive Member |

| | | | |
|----|----------------|-------------------------------|------------------|
| 19 | Tarun Chitkara | 16 October 2022 | Executive Member |
| 20 | B K Mitra | 17 th October 2022 | Executive Member |
| 21 | Bharat Gupta | 21 st October 2022 | Executive Member |
| 22 | Neeraj Dindore | 22 nd October 2022 | Executive Member |

6.0 The meeting ended with a vote of thanks to the chair.

Annex 1

Chairman's Address - 19th AGM of ITU-APT Foundation of India (IAFI), October 28, 2022 (Friday) by Shri Tilak Raj Dua, Chairman, IAFI

A very good evening and an even more warm welcome to all our distinguished members! I am thoroughly elated to welcome you all to the 19th Annual General Meeting of ITU-APT Foundation of India. I am so glad that we have finally overcome the tumultuous vexations brought down upon us by the COVID 19 pandemic and we're finally able to hold the AGM in person – instead of the previously incumbent vicarious online/virtual mode.

- The last couple of years have not only tested the preparedness of the world in the face of adversity – but has also jolted us into seeing unprecedented calamity. However, the human spirit showed its unnerving resolve and we have emerged from the predicament unbowed and unbroken. The Telecom Sector remained a resilient force which was to be reckoned with. The government & the sector alike ensured 24x7 availability & robust service delivery so as to ensure that the secondary and tertiary facets of the economy do not falter. We have not only faced adversities and defeated them – we've also managed to charter growth amidst the chaos; so as to ensure that the progression never stops & India harnesses its great economic potential by advancing forward on the technological fronts as well
- I would like to extend my warm gratitude and thanks to the members for their trust and confidence which gave us the motivation to bolster past the challenges and complexities, to deliver consistent values for you year after year.
- Over the years, ITU-APT Foundation of India has been demonstrating its capabilities and have been recognized by the ITU as an International and Regional Telecom Organization. The preceding year has been an exciting and quite eventful for the whole telecom sector in general and ITU-APT foundation, even amidst the adverse challenges has grown exponentially and continued to evolve & work for the sector. It has earned many first credits to its name for which we are very thankful to all our dedicated members for their continued support and excellent contributions towards growth of ITU-APT and also the telecom sector in India.
- I would like to shed the spotlight on rather noteworthy achievement which has facilitated the propelling of the ITU-APT brand to new zeniths. The ITU-APT Foundation of India was already a Sector Member in the ITU Development

Sector (ITU-D) and in ITU Telecommunication Standardization Sector (ITU- T). It gives me immense pleasure to announce that the ITU-APT Foundation of India is now a sector member of the ITU Radio Sector (ITU-R) and we have also joined APT Affiliate membership thereby commencing working in both sectors. It is one of the most cherished accolades won by the foundation in recent times and it is a stoic testament to the manner in which we've functioned during the past year!

- ITU-APT Foundation of India works on the core principles of giving back to the community. By virtue of these values imbued in our workings – we've delivered successful contributions through several of our initiatives. The core areas of contributions have been largely towards policy formulation, implementation, regulatory frameworks & other government plans on issues vis-à-vis Telecom Sector Development; & overall contribution to the Digital India Drive, Standardization of Telecom Technologies, Spectrum & Regional Harmonization.
- The bedrock of our foundation is irrevocably based on our individual members. While we concede that we need to work harder and collectively to don more corporate members – our individual membership continues to defy expectations and has shown consistent growth throughout the past year.
- During the past year, ITU-APT Foundation's Executive Council and Secretariat worked relentlessly and held weekly meetings. The outcomes of these meetings have been uploaded on our now up-scaled website which not only puts the foundation on global map but also encapsulates all the initiatives, drives, forums, and contributions done by ITU-APT Foundation of India. The foundation is constantly and consistently amping up its initiatives so as to delve into new areas of ancillary interests which bequeath the burden of innovation onto the Telecommunications Sector which includes private sector corporates, MSMEs and stakeholders of primary user groups which directly work with communications technology. That being said we've registered an uptake in memberships by corporates and hope to continue the successful run in the days to come.
- The past year has been a testing time for the foundation vis-à-vis the Return-to-Office (RTO) maxim coming into play. With so little time, the revamping of the working structure and consequent switch back to reality from virtual mode of working was thoroughly challenging. The foundation bounced back quickly from the same and emerged as a reinvented organization which was robust enough to deter any ills coming from the sudden shift in the paradigm brought upon by the virulent pandemic.
- I say it with immense pride that during last year, a year that has been extraordinary in every sense, ITU-APT has conducted various events and programmes successfully on most relevant topics/ issues and tried to cover all

related aspects such as :-

- 5G,
- 6GHz Wi-Fi,
- Spectrum and Regulatory issues,
- Green Telecom,
- The Draft Telecom Bill 2022

All for the development of the telecom sector to harness the expertise of its members and contribute towards development of a robust communications eco-system in the country. It is pertinent to note that all of the aforementioned programmes/events were physical in nature.

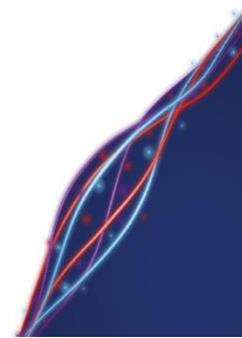
- Further, I would like to congratulate entire team of ITU-APT Foundation of India, for successfully coordinating this year the “National Workshop on Spectrum and Regulatory issues in preparation for WRC- 2023, to exchange ideas and facilitate understanding of the key agenda items and issues that will be considered by the WRC-23 and to support national preparations for this global level conference. From the perspective of Spectrum Management, the workshop being an important event; the ITU-APT Foundation of India plays a very key role in coordinating for consensus building and representing National as well as regional requirements to ITU. The foundation also hosted the Indian Dinner Reception in both, Bangkok & Bucharest, vis-à-vis India’s candidature for the ITU Council & India’s candidate for Member, Radio Regulations Board of the ITU.
- My heartfelt thanks and gratitude for the dedication and hard work by the Executive Council and the committed secretariat at the foundation, who continue to strive through a difficult period and played a key role in building a strong, world-class organization. Their efforts in addressing the current situation under testing times is exemplary and a source of inspiration.
- Towards the end, I would also like to thank all functionaries for their continued support in all our endeavors, Co-Chairman Shri R. N. Agarwal, Vice Chairman: Shri N. K. Goyal, President Shri Bharat Bhatia, Treasurer, Shri H C Soni, Secretary General, Shri S N Gupta and other members of the Executive Council, for their hard work, support and immense encouragement.
- We are fortunate to have all support from members, various partners, Government, whether through smooth sailing or turbulent times. I assure my full cooperation and support in all the future activities of the Foundation and the members.

Please stay safe and healthy. Hoping a successful and blessed year to each and every one of you that is present here. Jai Hind.

Annex 2
President's Report on the activities of the Society for
2021-22
Report of Shri Bharat Bhatia, President IAFI

Annual Report of the work of the society
during the past year (2021-22)

Bharat Bhatia
President, ITU-APT Foundation of India ([IAFI](#))



Highlights of the year 2021-22

- IAFI became an affiliate member of the Asia Pacific Telecommunity (APT)
- Despite Covid 2nd wave, IAFI continued and expanded its activities with almost one event every month
- Our membership increased with 16 new members including 3 new corporates and 16 new Life members
- As an International/Regional Telecom organization recognized by the ITU and granted complimentary sector Membership of all the three ITU Sectors - ITU-R, ITU-T and ITU-D, IAFI increased its participation and contributions in ITU and APT:
 - We sent IAFI delegation to over 30 ITU meetings and 20 APT meetings
 - We submitted 22 contributions to ITU and 4 contributions to APT -AWG. In addition, we submitted 6 contributions to DOT
- IAFI activities continued to be well covered by the Media with 30 stories
- IAFI website was redesigned and expanded with many new pages
- IAFI submitted more than 20 responses to consultations and other presentations to the Government
- IAFI moved into a new and larger office in the World Trade Center in New Delhi in response to our increased activities.

Despite Covid 2nd wave, the foundation continued the activities with almost one event every month

| S. No. | Date | Event |
|--------|-------------------|--|
| 1 | 01 April 2021 | First National Preparatory E-Workshop For WRC-23 |
| 2 | 18 April 2021 | Artificial Intelligence-Opportunities and Challenges |
| 3 | 17 May 2021 | World Telecom & Information Society Day (WTISD)2021 |
| 4 | 19 September 2021 | Looking Beyond 5G Future Technology Trends Towards 6G on Thursday 16th September |
| 5 | 08 October 2021 | Webinar on Telecom Reforms Package on Friday 8th October |
| 6 | 21 October 2021 | 3rd National Preparatory Workshop for "WRC-23" |
| 7 | 19 November 2021 | 6G (IMT-2030) Vision Document on Friday 19th November |
| 8 | 16 December 2021 | Webinar on Operationalization of Telecom Reforms 2.0 |
| 9 | 02 February 2022 | New Spectrum for Wi-Fi |
| 10 | 15 March 2022 | Annual Dinner Reception |

Increased membership in IAFI activities

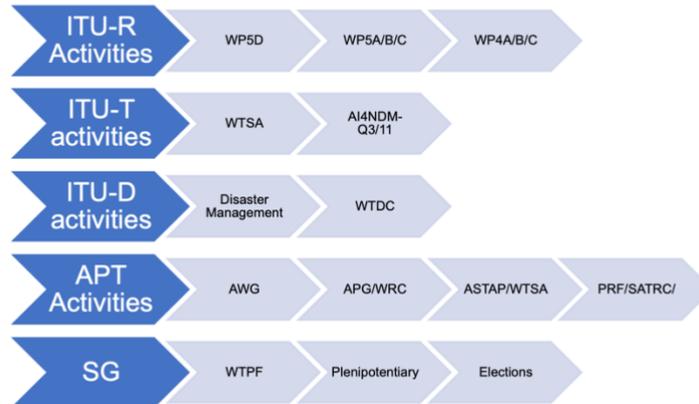
- **Corporate members – 16 (3 new added)**
 - **National Capital Region Transport Corporation (NCRTC)** – a joint venture company of Govt of India and States of Delhi, Haryana, Rajasthan and Uttar Pradesh for implementing the Regional Rapid Transit System (RRTS) project across the National Capital Region, ensuring a balanced and sustainable urban development through better connectivity and access.
 - **GalaxEye**, was founded in 2020 by a team of 5 students/alumni of Indian Institute of Technology Madras, using satellite technology in a wide variety of applications ranging from disaster management and defence to mineral exploration and insurance.
 - **OmniSpace** is uniting the mobile roaming with satellites to create the world's first integrated global 5G network to deliver greater reach, improved reliability, and enhanced quality of service for billions of users and devices worldwide. By integrating terrestrial and satellite networks into one seamless connected experience, empowering consumer, enterprise, government and IoT users worldwide.
- **New Individual members – 13 New Life members added.**
- **Total members as on 1-4-21 – 112 including corporates and individuals**

IAFI work continues to be well covered by the Media

The collage displays several instances of media coverage for IAFI activities:

- ETTelecom.com News Article:** "IAFI seeks to merge captive license to support Atmanirbhar Bharat". The article mentions that many developed countries have already licensed private captive 4G/5G networks, including the USA, UK, Germany, Australia, Japan, and others.
- ETTelecom.com News Article:** "IAFI asks TRAI to keep 5G spectrum price reasonable". The article states that in the previously failed auctions of 700 MHz, the average reserve price for the auction in Feb 2021 was about \$1.89 per MHz per p (adjusted for PPP) which is 34 times higher than that set internationally (\$0.05) and is also higher than the mean winning bid price witnessed worldwide (\$0.54). IAFI stressed in its submission.
- ETTelecom.com News Article:** "ETTelecom Roundtables: Airtel, Vodafone Idea, COAI, IAFI discuss policy roadmap for sectoral health". The article mentions a panel discussion on "Building Policy Roadmap for the Sectoral Health" at ETTelecom's Digital India Summit, featuring IAFI's Chief Proprietary Officer, Bharat Arora, P. Bhat, COAI's Regulatory and Corporate Affairs Officer, Vodafone Idea Limited, Li. Gan, S. P. Kulkarni, Director General, COAI, and Bharat B. Bhatia, President, ITU-APT Foundation of India.
- Twitter Post:** "IAFI proposes early finalization of ITU recommendations on 4G/5G for automated vehicles". The tweet includes hashtags: #ITU #5GNetworks #Industry #ITUAPTFoundation #BharatBhatia #ITUAPTFoundationOfIndia #InternationalTelecommunicationUnion #5G #5GAutomatedVehicles #5GTechnology.
- Twitter Post:** "The ITU-APT Foundation of India (IAFI) has sought to delicense the spectrum in V band (60 GHz range) to bridge the digital divide by promoting Prime Minister's Wi-Fi Access Network Interface (PM-WANI) initiative." The image shows a hand holding a smartphone displaying a Wi-Fi signal.
- ETTelecom.com News Article:** "IAFI hosts 2nd international e-workshop on ITU 6G vision". The image shows a video conference screen with the ITU-APT Foundation of India logo.

Increased IAFI work in ITU and APT Activities



IAFI has submitted 13 contributions to ITU WP5D in 2021-22

| | | | | | |
|--------|--|------------|-------|---|------------|
| [1019] | Preliminary draft new edition of the Handbook on global trends in International Mobile Telecommunications (IMT) | 2022-01-31 | [816] | Further updates to the working document towards a preliminary draft new Report ITU-R M.[IMT.C-V2X] - the use of the terrestrial component of IMT for cellular-vehicle-to-everything application | 2021-09-27 |
| [1013] | Sharing and compatibility studies of IMT systems with FSS satellites in the frequency band 6 425-7 125 MHz - WRC-23 agenda item 1.2 | 2022-01-31 | [815] | Recommendation ITU-R M.1036 - Frequency arrangements for implementation of the terrestrial component of International Mobile Telecommunications (IMT) | 2021-09-27 |
| [1012] | Adjacent band compatibility studies of IMT systems in the mobile service in the band 1 492-1 518 MHz with respect to systems in the mobile satellite service in the band 1 518-1 525 MHz | 2022-01-31 | [639] | Proposal for a new Report on <u>criticla</u> applications of IMT for industrial and enterprise users | 2021-05-31 |
| [995] | Finalization of draft new Report ITU-R M.[IMT.C-V2X] - The use of the terrestrial component of IMT for cellular vehicle-to-everything application | 2022-01-31 | [638] | Proposed new ITU-R Recommendation on framework and overall objectives of the future development of International Mobile Telecommunications (IMT) for 2030 and beyond | 2021-05-31 |
| [994] | Further updates to working document towards a preliminary draft new Recommendation ITU-R M.[IMT.VISION 2030 AND BEYOND] - Annex 3.7 to Working Party 5D Chairman's Report | 2022-01-31 | [637] | The use of terrestrial component of IMT for cellular-vehicle-to-everything application (Question ITU-R 262/5) | 2021-05-31 |
| [992] | Further updates to working document towards a preliminary draft new Report ITU-R M.[IMT.INDUSTRY] - Applications of IMT for [specific] industrial and enterprise usages | 2022-01-31 | [636] | Proposal for a new/additional Recommendation in MM wave bands to complement Recommendation ITU-R M.1036-6 - Frequency arrangements for implementation of the terrestrial component of International Mobile Telecommunications (IMT) | 2021-05-31 |
| [817] | Further updates to working document towards a preliminary draft new Report ITU-R M.[IMT.INDUSTRY] - Applications of IMT for [specific] industrial and enterprise usages | 2021-09-27 | | | |

Key WRC-23 AGENDA items on which IAFI is working during 20-23 Study Period

- New Spectrum agenda for 6G agenda for WRC-27
- Earth stations in motion (ESIM) – Conditions to be further defined for non-geostationary space stations
- NGSO Regulations, and satellite to satellite communications
- High-altitude IMT base stations (HIBS) – The use of high-altitude platform stations as IMT base stations (HIBS) in the mobile service in certain frequency bands below 2.7 GHz already identified for IMT,
- Protecting satellites and Wi-Fi in 6 GHz in India
- Promoting 4.9 GHz for Industrial 5G
- Regulatory issues such as 9.1 C and 21.5

IAFI work with the APT :

4 contributions to AWG and 6 docs for WRC-23 submitted to WPC

- Response to APT Report on information of mobile operators' frequencies, technologies and license durations in Asia Pacific countries [AWG-27/INP-63](#)
- Further work on a draft new Report on sharing and compatibility studies between IMT in the band 1492 – 1518 MHz and MSS systems in the band above 1518 MHz in the Asia Pacific region [AWG-27/INP-62](#)
- Working document towards a preliminary draft new APT Report on current status and future plan of implementation and development of IMT-2020 (5G) in Asia-Pacific region [AWG-27/INP-61](#)
- Further updates to working document towards a preliminary draft new APT Report on emerging critical applications of IMT for industrial, societal and enterprise users [AWG-27/INP-60](#)

IAFI has submitted 7 contributions to ITU-R WP5A

- Proposal to update Report ITU-R M.2377 - Radiocommunication objectives and requirements for Public Protection and Disaster Relief (Doc. 448)
- Compendium of ITU's work and future ITU-R work on Emergency Telecommunications (Doc. 447)
- Updates to Working document towards a preliminary draft new Report ITU-R M.[CAV] (Doc. 446)
- WRC-23 agenda item 9.1, topic c) - Study the use of International Mobile Telecommunication systems for fixed wireless broadband in the frequency bands allocated to the Fixed Service on a primary basis, in accordance with Resolution 175 (WRC-19) (Doc. 445)
- Proposed changes to the working document towards a preliminary draft new Report ITU-R M.[UCS] - Utility communication systems (Doc. 274)
- Studies under agenda item 9.1 topic C) (Doc. 273)
- RSTT study Question (Doc. 272)