SIAINDIA
Satcom Industry Association

APPLICATION FOR SATCOM INDUSTRY ASSOCIATION TO BECOME MARKET REPRESENTATIVE PARTNER IN 3GPP

Introduction

SatCom Industry Association of India (https://www.sia-india.com/) is a non-profit organisation and represents thought leadership for the space industry in India which includes satellite operators, satellite systems, launch vehicles, ground and terminal equipment manufacturers & suppliers, satellite IOT/M2M solution providers, space startups, innovation hubs, academic institutions and law firms etc.

As a young and vibrant association, SIA-India strives to leverage satellite solutions towards stimulating industry growth to support economies of scale, reach and robustness. SIA-India represents thought leadership for the space industry in India which includes satellite operators, satellite systems, launch vehicles, ground and terminal equipment manufacturers & suppliers, satellite-based solution providers, space startups, innovation hubs, academic institutions and law firms etc. SIA-India has made numerous representations and submissions to the Dept. of Telecom (DoT), NITI Aayog, Ministry of Information & Broadcasting (MIB), Telecom Regulatory Authority of India (TRAI), Indian Space Research Organization (ISRO), Principal Scientific Advisor (PSA) to Prime Minister of India (PMO).

Background

SatCom Industry Association of India was launched on 30th March, 2021 (https://bit.ly/3j5Jm0V) in the presence of global prominent leaders from the ICT and Space Sector as given below :-

- Dr. VK Saraswat, Member NITI Aayog,
- Mr. Malcolm Johnson, Deputy Secretary General – ITU.
- Mr. Rakesh Sasibhushan, CMD – Antix Corporation.
- Mr. K. Ratnakara, Director – SATCOM PO, Department of Space.
- Ms. Aarti Holla-Maini, Secretary General – GSOA.
- Dr. Subba Rao Pavuluri, MD – Ananth Technologies Ltd & President SIA India.
- Mr. Anil Prakash, Director General – SIA India
- The Team of SIA India.

Aim of the association was to represent thought leadership for the space industry in India across all verticals of the SatCom towards growth of the space economy.

With the continuous efforts of visionary leadership and hardworking team, SIA-India has made numerous representations to the Government of India, Policy Makers, Regulators etc. on the subjects as given below:-

- Spectrum Allocation – A Balanced Approach. (https://bit.ly/3LYMeJB)
- Safeguarding Satellite Bands. (https://bit.ly/3NHzRDj , https://bit.ly/3NQ9Vp9)
- Ease of Doing Business. (https://bit.ly/3NIYRKn)
- Licensing Framework for Establishing Satellite Earth Station Gateway. (https://bit.ly/3LDNTUv)
- Satellite Spectrum Allocation – International Best Practices and Learnings (https://bit.ly/37gfQ66)
- Inclusion of Space Sector in Discharge of Defence Offset Obligations is under progress.

As a result, SIA-India Membership (https://bit.ly/37bjQVj) has grown to include-Ananth Technologies Ltd, Aniara, Anthem Global, AsiaSat, Azzurra Telecom, Dhruva Space, Inmarsat, Intelsat, JV International, Lex Indis, Methera Global, Nalsar University, Space Machines Company, Telesat and Viasat in just one year.

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Domestic and International Collaborations (https://bit.ly/35IvYge)

As part of our commitment to a positive engagement in bridging the industry interests through standardization, we work with Standardization bodies both domestic and international. We currently have signed MoUs with TSDSI and IEEE-SA. We are also in the process of partnership engagement with the ITU so that we can contribute towards technology and standardization activities.

Through our international outreach to space industry associations, we have signed up Memorandum of Understanding [MoU] with Access Space Alliance [UK] APSSC [A-PAC] AVIA [A-PAC] Geeks Without Frontiers [USA] GSOA [Europe] GVF [Europe] SPACETIDE [Japan] USIBC [USA] Geospatial World [India], ANTARIKSHA [Nepal], Indonesia-ITU Concern Forum (Indonesia) (https://bit.ly/35IvYge). We are also in the process of initiating collaborations with a number of other domestic and International SatCom bodies.

Market Research & Feedback

SIA-India has various 'special interest groups' to help in this process of market research and feedback. The membership of SIA India comprises of various stakeholders, both domestic and international. Besides, SIA-India also has MoUs with various organisations, industry groups and standard bodies located in different geographies and countries. Additionally multiple companies, both domestic and international have active participation and engagement with SIA-India in their various specialized sub-committees. The engagement with these partners and members extends to deliberations and directions towards industry growth. SIA-India has close coordination and cooperation with **GSOA** (Global Satellite Operators Association) which is already a **MRP of 3GPP**.

Events & Conferences

SIA-India conducts conferences and interactions on topical subjects of industry interest to churn out industry directions and provides an interface for the Industry-Govt. thought and idea exchanges. In the past, the Association has organized conferences on **"Satcom Emerging Trends-Post Reform Era" (https://bit.ly/3KcUEfE)** and **"Satellite Ground Segments in India - Way forward". (https://bit.ly/3j6aHQD)** with active participation of DoT, ISRO, Satellite Industry Experts, acclaimed domestic and international speakers, professionals alongside Policymakers, Regulators, Legal Experts and Standards Associations and these have been hugely successful. SIA-India also participated in the international conference **"SPACETIDE 2021 Winter"** in Nihonbashi-Japan**. (https://bit.ly/37emF84)**

3GPP Guidance for Market Representative Partners

a. Has a field of interest directly or indirectly related to the work being undertaken by 3GPP;

SIA-India has undertaken several key policy interventions with TRAI (https://bit.ly/3NOr0iZ), Department of Telecommunication (https://bit.ly/3v1IIY2 , https://bit.ly/3DFHAgi ,), NITI Aayog, Ministry of I&B (https://bit.ly/3NLaRLp), Department of Space (https://bit.ly/36OCjr6) & Ministry of Finance (https://www.sia-india.com/positions/) etc in the Regulatory, Spectrum and Standardization realms. securing spectrum certainty in key satellite bands for satellite services, Inclusion of Space Sector in discharge of Defence Offset Obligation, Product Linked Incentive Scheme for the Space sector and the formation of an overarching Space Policy that allows single-window mechanism.

b. Has attained a demonstrable level of recognition within this field of interest;

As a young association representing the space ecosystem in India, SIA-India has published and circulated study papers on: Securing Spectrum certainty in key Satellite Bands for Satellite Services (https://bit.ly/3j7qEGg), Satellite Spectrum Allocation-International Best Practices and Learnings (https://bit.ly/3Knv0os), Inclusion of Space Sector in Discharge of Defence Offset Obligation (https://bit.ly/38uFpRp), Product Linked Incentive Scheme (https://bit.ly/38uFpRp) for the Space sector and the formation of an overarching Space Policy that allows single-window mechanism.

SIA-India has been successfully coordinating, formulating and promoting expert opinion on these critical SatCom related matters and has come out with relevant Position Papers to address the concerns of the industry. A Study Paper 'A Balanced Approach for Spectrum Allocations - Support for a thriving 5G/IMT & Satellite sector in India' was released by Dr. V K Sarswat, Hon'ble Member NITI Aayog (https://bit.ly/3LIpJs8), along with a White Paper 'Satellite Spectrum Allocation-International Best Practices and Learnings' released by Mr. RK Saxena, Wireless Advisor, Govt. of India (https://bit.ly/3NJsknz).

c. Has an understanding of the market requirements relevant to 3GPP;

SIA-India has collaborated with Academia (domestic and international) (https://bit.ly/36WkshN) to create joint study papers and collaborative training courses for nurturing and incubating startups, create awareness about the immense potential in the Space Segment.

d. Is willing to actively contribute to the work of 3GPP and has sufficient resources for this purpose; (https://bit.ly/35EVFOC)

SIA-India is willing to actively contribute to the work of 3GPP and has the sufficient resources to contribute towards 3GPP's initiatives. The association has various 'special interest groups' to help in this process. The membership of SIA India comprises of various stakeholders, both domestic and international. Besides, SIA-India also has an MoU with various organisations, industry groups and standard bodies located in different geographies and countries. Additionally multiple companies, both domestic and international have active participation and engagement with SIA-India in their various specialized sub-committees. The engagement with these partners and members extends to deliberations and directions towards industry growth.

The **Space Industry Infrastructure Committee** is looking after the scope of creating an ecosystem for all stakeholders in the space sector for design development, manufacturing, industrial collaboration and role of space parks, large enterprises and ancillary industries.

The Committee for **Space Law** is a unique initiative by SIA-India where 8 of the largest law firms with specialists in space law in India sit together discusses contours of a draft space law policy and to assist and advice young startups have easy access to expert legal opinion and navigate their way across international treaties.

The Committee for **Space Start-Ups Ecosystem** is created to offer handholding and support to young startups. SIA-India advocacy is making stringent efforts to create an investment-friendly atmosphere in the country by way of extensive outreach with governments, investors and established organisations along with young startups.

The Committee for **Regulatory, Policy and Spectrum** looks after the regulatory and policy intervention in the country vis-à-vis international best practices. Also, engaged with ITU, WPC and standardization bodies.

The **Academia** Committee is working towards capacity building via Academia Outreach and role of Institutions in nurturing and incubating startups.

e. Fully supports the goals and objectives of 3GPP and does not take part in activities that conflict with these goals and objectives. In processing an application, the Organizational Partners will peruse openly available documentation published by an Applicant, including material posted on its website, in order to confirm that the points listed above have been satisfied.

SIA-India supports the goals and objectives of 3GPP and has no conflict of interest in any sphere of its core activities. All the published papers and other information 'About SIA-India' is clearly and categorically published on our website www.sia-india.com.

Brief Application for SIA-India to Become Market Representative Partner in 3GPP

In continuation to SIA-India's approach towards global connect with the ICT organizations, it is requested that the **SatCom Industry Association** may kindly be considered to become Market Representative Partner in 3GPP for growth of the private sector in the communication and space economy. Innovation and industrial capability in the field of communication needs access to market opportunities. Through our international outreach to space industry associations, we aim to create platforms for industry-to-industry interactions and provide global exchange of opportunities.

Keeping in view of emerging new trends and business opportunities in the ICT Industry, SIA-India we would like to become Market Representative Partner in 3GPP for a mutual beneficial knowledge contribution towards standardization and developing protocols for mobile telecommunications.

Conclusion

SatCom Industry Association of India (SIA-India) is a non-profit organization working towards bridging the digital divide by taking space industry initiatives to the Government, Regulators, Policy Makers etc. by engaging **'Thought Leaders'** (https://bit.ly/3j7ton2 , https://bit.ly/3DImxcY) across all verticals of ICT & Standardization.

SIA-India's collaboration with 3GPP aims at developing and promoting India-specific requirements; standardizing solutions for meeting these requirements and contributing these to international standards; contributing to global standardization in the field of Satellite/Space communication; maintaining the technical standards and other deliverables of the organization; helping create manufacturing expertise in the country and collaborating with other developing countries to jointly work on ICT related standardisation activities.

Place : New Delhi

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