

Dynamic Spectrum Alliance Q3 2021 Newsletter

Keeping you updated about our activities! Here we highlight our latest work and focus on areas where we are empowering the next wave of spectrum access.

Introduction from Martha Suárez

It has been a dynamic and exciting time for dynamic spectrum access during the last few months. The European Commission decided to harmonise the use of 480 MHz of spectrum in the 6 GHz frequency band for Wi-Fi networks and now after the ECC Plenary we can foresee future coexistence studies for the upper part of the band. Indeed, making the lower 6 GHz band available for license-exempt use is a great first step, but we hope to see Europe continue to enable license-exempt access to the entire band, as well as enable innovation and digital transformation to support the economy. As DSA, we have filed our comments for different European consultations like the Digital Decade Strategy and the 2030 Digital Compass. We have engaged with European stakeholders, evangelizing them on the importance of license-exempt access to the upper part of the 6 GHz band which is the key role of Wi-Fi in advancing the digital transformation and reaching the 2030 targets.

To further encourage license-exempt access to the 6 GHz band worldwide, we have released three new publications during the last quarter: first, a [report](#) which demonstrates how it benefits the economy, addresses the digital divide and accelerates technical innovation, this report answers the question of “Why 1200 MHz and why now?”. Thanks to our partners, Apple, Broadcom, Cisco, Facebook, Google, Hewlett Packard Enterprise, Intel, Microsoft, and Qualcomm for their valuable contributions. Second, a whitepaper that takes an in-depth look at the ASSIA report assessing the evolution of the Wi-Fi traffic and spectrum use. It provides regulators with insights on how the State of Wi-Fi Report informs them about future Wi-Fi traffic and QoS that should be expected in their region. Finally, we have published an updated version of the whitepaper “How to Realise the Full Potential of 6GHz Spectrum”, this time not only in English but also in French and Arabic.

I would also like to thank the organisations and individuals who have invited me to speak at their events or have trusted the DSA to organise showcases at international conferences. I was delighted to moderate a panel at the USTDA Access Africa Workshop which explored the technologies and solutions that will help bridge the digital divide. I have also virtually met with the Panama Internet Governance Forum panel, ITU’s Regional Radiocommunication Seminar for Africa and Asia, and worldwide spectrum authorities at Spectrum Management Conferences in Europe and the Americas, to name a few to continue driving conversation on spectrum policies and regulations.

As we look ahead to the end of the year, we anticipate to keep this momentum and to widen our presence in more regions across the world.



Martha Suárez
DSA President

What's new?

[6 GHz License Exempt: Why the full 1200 MHz and why now?](#)

In August, the DSA collaborated with Apple, Broadcom, Facebook, Google, Cisco Systems, Hewlett-Packard Enterprise, Intel, Microsoft, and Qualcomm to develop the Whitepaper: 6 GHz License Exempt: Why the full 1200 MHz and why now? The paper summarizes why opening the full 6 GHz band is necessary, the technology needed to do so, and the social and economic benefits for countries that open the band. Read the paper, [here](#).

[ASSIA: State of Wi-Fi Reporting](#)

During our 9th annual DSA Global Summit, we welcomed ASSIA's John Cioffi to present a new study: State of Wi-Fi Reporting. DSA and ASSIA studied millions of consumer internet connections and developed the Spectrum Need Score. Discover the Summit presentation, [here](#).

[Lessons from the Assia Report on "Wi-Fi and Broadband Data"](#)

This paper takes an in-depth look at the report assessing the evolution of the Wi-Fi traffic and spectrum use. DSA members conducted a simple projection in order to provide regulators with insights on how the State of Wi-Fi Report informs them about future Wi-Fi traffic and QoS that should be expected in their region. See the report, [here](#).

[How to Realise the Full Potential of 6GHz Spectrum](#)

Thanks to the momentum of license exempt #6GHz adoption, DSA and Policy Impact Partners have updated the Whitepaper: How to Realise the Full Potential of 6 GHz Spectrum. Available to read in [English](#), [French](#), and [Arabic](#).

[DSA: Wi-Fi Business Card](#)

Our Wi-Fi business card summarizes the importance of Wi-Fi in our lives, in building the European society of the future, and the priorities ahead for the EU. Find the card, [here](#).

Blogs

Explore our latest blogs to discover the DSA's recent work, partnerships and successes!

[Congratulations to the winners of the 2021 DSA awards!](#)

6th July 2021

To round off our ninth successful DSA Global Summit, we were thrilled to present our DSA Global Summit awards to several well-deserving recipients. It is vital we continue to not only push for further global spectrum utilization, but to recognize those making strides in this area, setting an example for countries and organizations worldwide. [READ MORE](#)

Peru's MTC was presented the Award for Increasing Digital Inclusion in a ceremony which you can watch on demand, [here](#).

[Community networks are key to provide connectivity](#)

13th September 2021

For our ninth annual DSA Global Summit, we were pleased to welcome Jane Coffin from the Internet Society and Lilian Chamorro, from Colombia-based non-profit Colnodo, to discuss community networks. In this session, both discuss the benefits community networks bring, as well as challenges in setting them up. Coffin, who is responsible for the Internet Society's Internet Growth project teams, which focus on Community Networks, Internet Exchange Points (IXPs) & interconnection, peering, and community development, tells the session that community networks have been the "unsung heroes of the pandemic".

[READ MORE](#)

[Connecting the Unconnected](#)

11th October 2021

Bridging the digital equity gap has been a focus for Microsoft since July 2017, when it launched its Airband Initiative. The initiative aims to democratize access to technology, enabling more people to reach their full potential and furthering Microsoft's mission to empower communities to achieve more. In this session dedicated to connecting the unconnected at the DSA Global Summit, we welcomed Fatema Kothari, Senior Program Manager at Microsoft's Airband Initiative. [READ MORE](#)

[Events](#)

The DSA has been getting involved with various events and workshops, with Martha Suarez joining other industry specialists to advocate effective spectrum utilization. Here are just some examples of events the DSA has attended and partnered with in the last three months:

[International Institute of Communications panel on spectrum policies and allocations](#)

6th July 2021

See the DSA presentation here: <https://bit.ly/3IEiRRh>

[ITU: The change of paradigm to online life, projections, opportunities](#)

8th July 2021

[ConnecTechAsia](#)

14th July 2021

[ITU: Regional Radiocommunication Seminar 2021 for Africa](#)

16th July 2021

[Panama Internet Governance Forum: Universal access and meaningful connectivity](#)

19th July 2021

[IEEE: World Forum on the Internet of Things](#)

24th July 2021

[USTDA: Access Africa Virtual Workshop](#)

26th July 2021

[CITEL: Connecting the Unconnected](#)

27th September 2021

[Edge Computing Expo North America](#)

29th – 30th September 2021

[DSA in the News](#)

[Saudi Arabia and Wi-Fi 6E](#)

Capacity Media, 05 July 2021

[Dynamic Spectrum Alliance urges world to adopt licence-exempt access to the entire 6 GHz band](#)

Vanilla Plus, 12th August 2021

[Brazilian regulator ANATEL approves use of TVWS](#)

Developing Telecoms, 11th October 2021

[Regulatory Affairs Work Group \(RAWG\) Update](#)

As a cross-industry organization, the [Dynamic Spectrum Alliance](#) works to engage with regulators and government officials to promote the adoption of legal and regulatory frameworks that facilitate dynamic access to radio spectrum.

The [Regulatory Affairs Work Group](#) continues to develop policy positions for ratification by the Dynamic Spectrum Alliance, draft documents for submission to regulatory agencies and develop high-level positions on critical issues related to dynamic spectrum sharing.

Recent filings include:

July 2021

- [DSA Comments to CITC on WLAN Applications](#)

- [DSA Comments to ANATEL on the 3.7-3.8 GHz Band](#)

August 2021

- [DSA Comments to EC Consultation on the 2030 Digital Compass](#)
- [DSA Comments to the IFT Mexico on the 6 GHz band](#)
- [DSA Comments to ECTEL on Regional Spectrum Management Plan](#)
- [DSA Comments to ANACOM Portugal on the Plano Plurianual 2020-2024](#)
- [DSA Letter to EC on the Targeted Survey on 5G in the context of the Digital Decade Strategy](#)
- [DSA Ex Parte 6 GHz AFC Certification](#)
- [DSA Comments to CONATEL Honduras on WAS-RLAN Public Consultation](#)
- [DSA Reply Comments to ECTEL on Regional Spectrum Management Plan](#)

September 2021

- [DSA Comments to Conatel Paraguay on the PNT 2021-2025](#)
- [DSA Comments to EC consultation on European Digital Principles](#)
- [DSA response to RSPG consultation on role of spectrum in climate change](#)
- [DSA Comments to AGCOM Italy on Spectrum for Vertical Sectors](#)
- [DSA Comments to ARCEP France on the WAS-RLANs Public Consultation](#)
- [DSA Comments to CITC on Spectrrum Light Licensing](#)
- [DSA Comments to the Regional Telecommunications Review 2021 Australia](#)
- [DSA Ex Parte 6 GHz AFC Certification II](#)
- [DSA Comments to IFT Mexico on the 5.9 GHz Band](#)
- [DSA Comments to BIPT Belgium on the radio interfaces for WAS-RLAN](#)

October 2021

- [DSA Comments to TDRA on Future Outlook for Wireless Services](#)

The full list of filings is available on the [DSA website](#).

Member/Partner Updates

Aruba and Federated Wireless Partner to Deliver Outdoor and Higher Power Wi-Fi 6E with AFC

5th October 2021

Aruba, a Hewlett Packard Enterprise company, has announced their selection of Federated Wireless to provide the Automated Frequency Coordination (AFC) service that is required in major countries to operate Aruba's future outdoor, higher power, and ruggedized radio products in the new 6 GHz band. [READ MORE](#)

Federated close to launching 'Airbnb' for CBRS spectrum exchange

13th October 2021

The Citizens Broadband Radio Service (CBRS) band promised to bring innovative ways of using spectrum to the U.S. market, and one of those is close at hand, opening up a new secondary market for spectrum. [READ MORE.](#)

Broadcom, Cisco and Facebook Bring Software Group Together Under TIP to Expand on 6 GHz Wi-Fi

10th August 2021

Broadcom, Cisco, and Facebook announced the creation of the Open Automated Frequency Coordination (Open AFC) Software Group within the Telecom Infra Project (TIP) in order to accelerate the commercialization of 6 GHz Wi-Fi devices. [READ MORE](#)

Telstra and Cisco Renew Agreement to Offer Businesses Added Visibility and Insights to Monetize IoT

13th September 2021

Using Cisco's IoT Control Center SaaS solution for more than 10 years has allowed Telstra to advance its business goals and grow new revenue streams. The company currently serves thousands of customers including Australia's major financial institutions, retailers and government, offering more visibility and flexibility to better manage their businesses and turn IoT data into decisions. [READ MORE](#)

Learning Alliance and Federated Wireless to Provide CBRS Certified Professional Installer Certification to Broadband Program Students

2nd September 2021

Learning Alliance Corporation (LAC) and Federated Wireless announced a partnership through which the two companies will work to issue more than 2,000 Certified Professional Installer (CPI) certificates for Citizens Broadband Radio Service (CBRS) over the next two years, greatly expanding the number of technicians available nationally. The program is designed to accelerate expansion of this low-cost option to deliver high speed broadband in rural and underserved communities who might otherwise have limited access to the Internet. [READ MORE](#)

Comcast Rise Commits \$11M In Grants to Small Business Owners of Color In Ongoing Effort to Advance Economic Mobility

14th September 2021

Comcast announced today a second round of cities to receive grants from the Comcast RISE Investment Fund, providing \$6 million additional dollars to hundreds of small businesses owned by people of color, including Black, Indigenous, Hispanic, and Asian American owners, among others, bringing the total to \$11 million in grants awarded as part of the Comcast RISE Investment Fund initiative. [READ MORE](#)

Upcoming Event Partnerships

Connected Germany

7th-8th December 2021
Mainz Congress, Germany

Germany's connectivity landscape is changing. The goal is ambitious: the expansion of area-wide, convergent networks with gigabit speeds by the end of 2025. It is now more essential than ever that everyone involved in building next-generation networks come together to advance Germany's broadband strategy.

Connected Italy

16th–17th November 2021
Virtual

Demand for high-capacity digital infrastructure in Italy is accelerating at a rapid pace. Across industries, across the economy, across society, everything is changing as technology plays an increasingly critical role. Underpinning all this change is a new, faster connectivity powered by broadband technologies including fibre and 5G. #ConnectedItaly is the best place to understand the investment and regulatory landscape for broadband infrastructure.

Digital Transformation Week North America

9th – 10th November
Virtual

Join us at Digital Transformation Week North America on 9-10 November, 2021, and hear from leading digital experts and discover key strategies for making your digital efforts a success. Discover the critical technologies and approaches needed to make better, more informed business decisions, improve operational efficiency, improve customer engagement and retention and drive your organisations digital culture.

Digital Twin World North America

9th November
Virtual

Join us at Digital Twin World, 9 November 2021, and hear from leading digital and engineering experts to discover key strategies for driving operational efficiency through 4D modelling, IoT and insights driven decision making. Discover the critical technologies and approaches needed to make better, more informed business decisions, and drive innovations in produce lifecycle management.

Future Work Solutions Congress North America

9th – 10th November
Virtual

Future Work Solutions Conference, 10 November 2021 is an exclusive virtual event that will shine a spotlight on the real use cases and cutting-edge solutions that are revolutionising industries. Bringing together over 1,000 attendees, Future Work Solutions Congress is senior-level forum for technology decision makers to explore and evaluate future work strategies and technologies to drive innovation in their business.

[Digital Transformation Week Europe](#)

[23rd – 24th November](#)

[RAI, Amsterdam](#)

Register for free to hear from leading digital experts and discover key strategies for making your digital efforts a success. Discover the critical technologies and approaches needed to make better, more informed business decisions, improve operational efficiency, improve customer engagement and retention and drive your organisation's digital culture.

[Hybrid Cloud Congress](#)

[11th January](#)

[Virtual](#)

Learn how establishing a strategic hybrid cloud can align IT resources with business and application needs to accelerate optimal business outcomes and achieve excellence in the cloud.

[Devops as a Service Summit](#)

[1st February](#)

[Virtual](#)

The event will consist of **live and on-demand from over 20 speakers** sharing their unparalleled industry knowledge and real-life experiences in the forms of solo presentations, expert panel discussions and in-depth fireside chats.

[Get in touch](#)

If you would like more information, or if your company or organization is interested in joining the Dynamic Spectrum Alliance, then please email admin@dynamicsspectrumalliance.org.

[Follow Us:](#)

