DSA

DYNAMIC • SPECTRUM • ALLIANCE

About the Alliance

- The Dynamic Spectrum Alliance is a global organization advocating for laws and regulations that will lead to more efficient and effective spectrum utilization.

- Our members are working to create innovative solutions that will increase the amount of available spectrum to the benefit of consumers and businesses alike.

- DSA Public Website: http://www.dynamicspectrumalliance.org

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Current Members

ADAPTRUM
AirTies
sky
Google
NOMINET
MEDIATEK
Microsoft
NICT National Institute of Information and Communications Technology
aruba NETWORKS
BROADCOM
uhuruone
6Harmonics
ATDI advanced radiocommunications
Botswana INNOVATION HUB
MBC Mid-Atlantic Broadband Communities Corporati
MAWINGU WiFi Affordable Internet
CARLSON WIRELESS TECHNOLOGIES
muRata INNOVATOR IN ELECTRONICS
NEW AMERICA
OPEN TECHNOLOGY INSTITUTE
SPECTRUM BRIDGE
TOYOTA InfoTechnology Center Co., Ltd.
CSIR our future through science
ASTRI Hong Kong Applied Science and Technology Research Institute Company Limited 香港應用科技研究院有限公司
Ruckus WIRELESS
Saankhya Labs
University of Strathclyde Glasgow
臺灣大學電信研究中心 Communication Research Center, NTU
CORTECH
財團法人資訊工業策進會 INSTITUTE FOR INFORMATION INDUSTRY
CANADIAN SPECTRUM POLICY RESEARCH
BITRI
CTVR the telecommunications research centre
Gigabit Libraries Network
Institute for Infocomm Research
my digital bridge
NSRC Network Startup Resource Center
TENET Tertiary Education and Research Network of South Africa
University of Colorado Boulder
Broadband Center of Excellence Resources for a Broadband World
UNIVERSITY of York

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DSA Goals

- Close the Digital Divide
  - Support technical, regulatory, and business model innovations that make wireless broadband access more affordable for people around the world
- Enabling the Internet of Things
  - Support spectrum policies that can enable the burgeoning Internet of Things
  - Increasing efficiency and improving quality of life
- Alleviating the "Spectrum Crunch"
  - Support changing regulatory policies that create artificial spectrum scarcity
  - Replace them with policies that will increase available bandwidth, reduce costs, and increase consumer choice

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Policy Position

- The DSA supports the following policies to create an appropriate legal and regulatory framework to foster dynamic access to spectrum:
  - gaining a better understanding of spectrum use around the globe
  - regulations that do not favor one radio access technology over the other and allow for the co-existence of a variety of technology platforms
  - making unused spectrum available for dynamic spectrum access in licensed, license-exempt (unlicensed) and lightly licensed spectrum bands
  - supporting dynamic spectrum access across a variety of complementary spectrum bands
  - promoting the use of geolocation databases and other interference protection mechanisms
  - supporting global harmonization of dynamic access to unused spectrum
  - encouraging long-term efforts to develop regulations making dynamic spectrum access the default mode of access to radio spectrum, with technical rules that address legitimate interference concerns

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Background

- Incorporated October 2013 in the UK
- Hosted Five Annual DSA Global Summits
  - November 18, 2013 in Bangkok, Thailand
  - May 13-14, 2014 in Accra, Ghana
  - May 6-8, 2015 in Manila, Philippines
  - April 26-28, 2016 in Bogota, Colombia
  - May 9-11, 2017 in Cape Town, South Africa
- Active Regulatory Affairs Work Group
  - Submissions to Ofcom, FCC and other regulators; model rules
- Many DSA Members active in pilot projects around the world
  - http://www.dynamicspectrumalliance.org/pilots/

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Recent Press Releases

- **Press Release:** **Dynamic Spectrum Alliance announces South African communications regulator as co-host for the 2017 Global Summit and welcomes 11 new members**
  Cape Town, South Africa – 20 October 2016

- **Press Release:** **Regulators to address international spectrum issues at DSA Global Summit as policy makers look to define universal service in the 5G world**
  Spanish Version>> | **Brazilian Portuguese Version >>** | **French Version>>** | **Arabic Version>>**
  Cape Town, South Africa – 27 March 2017

- **Press Release:** **The DSA welcomes South Africa's ICASA publishing draft TV White Space regulations as both prepare to jointly host the 2017 Dynamic Spectrum Alliance Global Summit in Cape Town in May**
  Spanish Version>> | **Brazilian Portuguese Version >>** | **French Version>>** | **Arabic Version>>**
  Cape Town, South Africa – 20 April 2017

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Recent Articles

- **Article: Dynamic Spectrum Alliance urges FCC to get moving on 3.5 GHz so companies can deploy networks (FierceWireless Tech, 20 April 2017)**

- **Article: Q&A: Dynamic sharing may be the only way to stop endless spectrum battles (Disruptive Asia, 9 March 2017)**

- **Article: The long and winding road to 5G (CSI Magazine, February 2017)**

- **Article: Secondary Spectrum Market Did Not Work in Any Country (Tele.Sintese, 20 February 2017)**

- **Article: DSA encouraged by FCC spectrum direction (FierceWireless Tech, 30 January 2017)**

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DSA Resources

- The Dynamic Spectrum Alliance website is a great source of information: http://www.dynamicspectrumalliance.org/
  - **Regulatory Submissions and Model Rules:** http://www.dynamicspectrumalliance.org/regulations/
  - **Press releases, articles and newsletters:** http://www.dynamicspectrumalliance.org/news/
  - **Papers, reports, articles:** http://www.dynamicspectrumalliance.org/resources/
  - **Blogs:** http://www.dynamicspectrumalliance.org/blog/
  - **Videos on YouTube:** https://www.youtube.com/channel/UC_YMcGHXg8IUUSH7Z7E3qPg
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