



MulteFire Alliance (MFA)

November 19, 2020

Letter from Leadership

While this year has been unlike any other, the MulteFire Alliance (MFA) and its members have continued to make significant strides in our mission to promote LTE and next generation 5G NR in unlicensed or shared radio spectrum.

I am proud to announce the official launch of the [MulteFire 1.0 Certification Program](#), which marks a significant milestone for the organization. This program will help enable an interoperable device ecosystem for private wireless networks, and it has already certified the Nokia small cell and customer premise equipment (CPE). We are optimistic about this advancement in the MulteFire ecosystem and look forward to its impact on the private wireless market.

To help the industry understand the market opportunity for private networks and the role of unlicensed, shared and locally licensed spectrum, the MFA recently partnered with ABI Research on a [new white paper](#) that details the market size for private network equipment. I encourage you to download the paper to learn more.

I hope that everyone is staying safe and healthy as we close out 2020 and look ahead to next year.

Sincerely,

Mazen Chmaytelli
MFA President

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MulteFire 1.0 Certification Program

Today, the MFA [announced](#) the launch of the MulteFire 1.0 Certification Program, which will be used to test MulteFire 1.0 devices. The certification program tests eNodeBs together with UEs for conformance with the MulteFire 1.0 specification to ensure an interoperable, global device ecosystem for use in unlicensed spectrum. In conjunction with the launch of the MulteFire 1.0 Certification Program, MFA member company, Nokia, has certified its small cell and customer premise equipment (CPE) to the MulteFire 1.0 specification. The solutions were tested by DEKRA Malaga, which was named the first Authorized Test Lab for MulteFire 1.0 certification.

The MulteFire 1.0 Certification Program was developed by the MFA Certification Working Group. For more information, visit the [Certification FAQ page](#).

New White Paper: The Importance of Spectrum Liberalization for Private 5G Networks

There is a growing number of enterprises looking at deploying private cellular networks to enable network customization for specific networking performance and data integrity requirements. The use of unlicensed spectrum with technologies such as MulteFire and 5G NR-U offers enterprises an opportunity to manage and operate their own private network.

The MFA partnered with industry analyst firm [ABI Research](#) to develop an analysis on the opportunities for industry verticals to use unlicensed, shared and locally licensed spectrum for private wireless networks for enterprise connectivity. This paper focuses on Industrial Manufacturing, Ports & Logistics, and Mining & Energy use cases. Download the white paper [here](#).

MulteFire 1.0 Regulatory White Paper

MFA is now offering the [MulteFire 1.0 Regulatory Analysis White Paper](#) to MFA members. This white paper helps to identify existing radio regulatory requirements for unlicensed devices that may fit with MulteFire 1.0 eNodeB and User Equipment (UE) products. Readers will learn about the applicable radio standards and test methods against the Federal Communications Commission (FCC) in the United States, Innovation, Science and Economic Development (ISED) in Canada and the Radio Equipment Directive (RED) in Europe. [Read the MFA blog and access the white paper today](#).

Events

[Smart Productions Solutions](#) – November 24-26, Virtual
SPS will cover the entire spectrum of smart and digital automation – from simple sensors to intelligent solutions. The MFA is participating in the virtual exhibit hall to share MFA resources on private wireless solutions for Industry 4.0. In addition, MFA representatives will be available to meet with virtual attendees and answer questions about private wireless networks during and after the show.

Those who would like to attend the event for free are encouraged to use the MFA discount code: **SPS2XCNMUL**. To schedule a time to meet with the MFA, click [here](#).

[RCR Wireless Webinar: The Benefits of Bringing 5G NR into Unlicensed Spectrum](#) – December 8 at 12pm ET

The MFA will be joining RCR Wireless editor Sean Kinney and other panelists for this discussion.

LAA proved a major boom for operators looking to max out the capabilities of LTE networks. Similarly, MulteFire sparked significant interest in using cellular in unlicensed for private networking purposes. Now, as 5G is evolving and scaling, bringing the latest generation of cellular into unlicensed bands represents a major opportunity for operators and enterprises.

[Register now](#).

MFA Liaison Spotlight

XGP Forum

In May 2020, the Information and Communications Council reported on the technical condition to triple the current frequency of sXGP Method. XGP Forum agrees with the result of the study of the technical condition for the advancement of radio station of digital cordless phone. Find out more about the report findings, read the XGP Forum's response [here](#).

New Resources

- ABI Research White Paper: [The Importance of Spectrum Liberalization for Private 5G Networks](#)
 - Press Release: [DEKRA Recognized as the First Authorized Test Laboratory for the MulteFire 1.0 Certification Program](#)
 - Blog: [New 3GPP Standard Adds Support for 5G New Radio \(NR\) in Unlicensed Spectrum and Expands 5G NR Use Cases](#)
 - FAQ: [MulteFire Alliance Certification Program](#)
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MFA in the News

- [Release 16 frozen, with 5G NR-Unlicensed a highlight for private networks](#)
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Learn more about the MFA [here](#).

The MFA is open for broad, global participation. Interested in joining? [Contact us](#) today for a membership packet.

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