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MulteFire Alliance

October 5, 2017

### Letter from Leadership

I'm very excited by the momentum MulteFire has been experiencing recently. We've welcomed several new members – Alpha Networks, American Tower, H3C, InterDigital, PCTEL, Samsung, and Sony – and shared MulteFire technology demonstrations and updates at Mobile World Congress Americas 2017 and our recent Open Day event co-hosted by Athonet and Enel in Rome. Amidst all this activity, our Technical Specification Release 1.0 is receiving global attention while Alliance members are diligently working on the next MulteFire Release 1.1 specification, which will be optimized for IoT. Continue reading for more information about the MulteFire Alliance and what to expect in the coming months.

Sincerely,  
Mazen Chmaytelli  
MulteFire Alliance President

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### MulteFire: A Closer Look

#### MulteFire Release 1.1 Update

As an open and collaborative organization, the MulteFire Alliance was created to support those interested in taking advantage of unlicensed and shared spectrum. As our work has progressed, we are seeing a great interest in the potential for MulteFire technology in IoT use cases. To meet this need, the Alliance is currently working toward the upcoming Release 1.1 specification, which was initiated to expand IoT capabilities by supporting eMTC and NB-IoT. MulteFire eMTC will support the broadest range of IoT use cases, such as for industrial IoT, with 1.4 MHz carrier bandwidth. MulteFire NB-IoT support is targeted at low power, wide area (LPWA) IoT use cases with 200 kHz carrier bandwidth. Both eMTC and NB-IoT are being designed to operate in regional (400/800/900 MHz and 1.9 GHz) and global (2.4 GHz) unlicensed bands. Release 1.1 specification work is ongoing; to learn more about contributing to specification development, visit [www.MulteFire.org/join/](http://www.MulteFire.org/join/).

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[Upcoming Events: Where to Find the MulteFire Alliance](#)

**Wi-Fi NOW Europe** – October 31-November 2, The Hague - MulteFire Alliance Board Chair Stephan Litjens will present on the opportunities that MulteFire technology brings to enterprise and Industrial IoT as he participates in the Carriers & Disruptive Technology track on November 2. We will also host a booth in the expo area. Visit our [website](#) for event details. To register, visit [www.wifinowevents.com/europe](http://www.wifinowevents.com/europe) and use code MulteFireWFNEU20 to receive a 20% discount off of registration.

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## Recent Events

**IoT Evolution Expo** – July 17-20, Las Vegas, NV - MulteFire Alliance President Mazen Chmaytelli presented on “*Delivering MulteFire Connectivity for Industrial IoT*,” sharing how MulteFire allows anyone to deploy and operate their own private or neutral host MulteFire network, and how the Industrial IoT ecosystem will benefit from deploying a MulteFire network.

**MWC Americas** – September 12-14, San Francisco, CA - As the inaugural Mobile World Congress Americas event, the show was very well attended and focused on the next phase of mobile connectivity, standards, and innovation. Our team was excited to meet with parties interested in learning more about MulteFire technology, as well as those interested in membership opportunities. Learn more about our thoughts from the show floor in Light Reading’s interview with Alliance President Mazen Chmaytelli [here](#).

**MulteFire Open Day – Rome** – September 26, Rome, Italy – At our sixth Open Day event, co-hosted by Athonet and Enel, more than 60 attendees from across Europe gathered to learn about the MulteFire opportunity for industrial IoT and enterprise applications. Highlights from the event included presentations by both Enel and Athonet. Giuseppe Serrecchia, Head of Digital Strategy, Global ICT for Enel, shared key details on the use cases where they plan to deploy MulteFire. Karim El Malki, CEO for Athonet, explained why Italy is leading in wireless innovation and gave attendees an idea of what a future with MulteFire could look like. The event concluded with a panel discussion that provided additional insight into the market opportunity for MulteFire. Visit [www.MulteFire.org/presentations/](http://www.MulteFire.org/presentations/) to download the Open Day presentations.

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## MulteFire in the News



### [The role of MulteFire in industrial and enterprise IoT](#)

Internet of Things (IoT) is a catalyst for digital transformation in enterprise and industrial segments, but depends on secure, reliable connectivity. While LTE is the obvious choice, expensive carrier fees often prohibit its use. Learn how MulteFire can deliver LTE in unlicensed spectrum and removes the need for an anchor tenant in licensed spectrum.

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## MulteFire's Latest Whitepaper

### [The Private LTE Opportunity for Industrial and Commercial IoT](#)

The MulteFire Alliance and the CBRS Alliance recently commissioned [Harbor Research](#) to examine how commercial and industrial Internet of Things (IoT) demand is driving opportunity for private LTE networks. Based on its findings, the opportunity

is big; by 2023 the the addressable market is expected to exceed more than 750 million devices shipped and revenue of almost \$120 billion. In addition, Harbor Research identified almost 15 million sites globally that are prime candidates for private LTE network deployments.

The resulting white paper shines a light on the currently disparate marketplace and how private LTE networks that leverage shared and unlicensed spectrum will drive the future of IoT.

Key highlights include:

- Customer requirements driving adoption of private LTE
- Specific use cases where private LTE networks will be deployed
- Insight into the “dollars & devices” behind the private LTE opportunity
- The role of MulteFire and CBRS in the future of LTE in unlicensed and shared spectrum

[Download](#) the white paper today to learn more about MulteFire's role in developing the future of IoT.

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## MulteFire Resources

### News Articles

- Sept 29 - Cor.com / Translated: IoT, Bag: "MulteFire, Here's the Standard for Industry 4.0" / [IoT, Sacco: "MulteFire, ecco lo standard per Industria 4.0"](#)
- Sept 28 – Cor.com / Translated: MulteFire debuts, a new standard for the IoT business / [Debutta MulteFire, nuovo standard per l'IoT business](#)
- Sept 18 – Analysys Mason / [MulteFire: vendors have an opportunity to accelerate small-cell deployment in unlicensed spectrum](#)
- Aug 14 – Fierce Wireless / [Industry Voices – Scholar: Here comes unlicensed LTE...finally](#)
- Aug 8 – RCR Wireless / [MulteFire Alliance hones focus on industrial IoT with new members](#)

### Additional Whitepapers for Download

- [MulteFire Release 1.0 Technical Paper Download](#)
- [MulteFire Release 1.0 Technical Paper – Chinese Translation Download](#)

### Blog

- [MulteFire Alliance Gears Up for MWC Americas' Debut in the 'Epicenter of Mobile Innovation'](#)
- [Driving Wireless Connectivity for Industrial IoT](#)
- [Release 1.0 Technical White Paper Now Available in Chinese](#)

### Archived Webinars

- [MulteFire for Industrial IoT Applications](#)
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Learn more about the MulteFire Alliance [here](#).

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

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