Dotdot + Thread

**Daniel Moneta**
Founder & EVP Business Development // MMB Networks
Marketing Workgroup Chair // Zigbee Alliance
Marketing Committee // Thread Group

**Sujata Neidig**
Senior Global Marketing Manager, Microcontrollers & Connectivity // NXP Semiconductors
VP Marketing // Thread Group

**Victor Berrios**
VP Technology // Zigbee Alliance
Today’s Speakers

Daniel Moneta
Founder, EVP Corporate Development, MMB Networks
Marketing Work Group Chair, Zigbee Alliance
Marketing Committee, Thread Group

Daniel Moneta is one of the founders of MMB Networks in Toronto. MMB’s IoT hardware and software platform enables consumer electronics manufacturers to rapidly bring connected home products and services to market.

Daniel serves as Marketing Work Group Chair of the Zigbee Alliance, and is an active member of the Thread Group Marketing Committee. Daniel holds a Bachelor of Business Administration from the Schulich School of Business, and over twenty years of experience enabling (not to mention installing, using, fighting with, enjoying, recommending, showing off, and being an avid consumer of) connected products.
Sujata Neidig
Vice President of Marketing, Thread Group
Senior Global Marketing Manager, NXP

Sujata Neidig has over 23 years of experience in the semiconductor industry and has served in a variety of roles ranging from product engineering to marketing and business development.

She is currently the MCU Global Marketing Manager responsible for NXP’s microcontrollers and connectivity roadmap and portfolio - driving leadership and growth in multiple market segments. Prior to this role, Sujata worked in business development and product marketing for various groups within NXP. She earned a Bachelor of Science in Electrical Engineering from the University of Texas at Austin.

Victor Berrios
Vice President of Technology, Zigbee Alliance

Victor has worked for over 20 years in the wireless communication industry. He is responsible for the day-to-day operations of all technology programs for the Alliance and for supporting Work Group efforts in the development and maintenance of wireless communication standards.

Victor is a recognized expert in the short range wireless industry. He received his bachelor's of science in computer engineering from Iowa State University, and his masters’ in electrical engineering and business administration from Arizona State University.
Dotdot + Thread

Daniel Moneta
Founder & EVP Business Development // MMB Networks
Marketing Workgroup Chair // Zigbee Alliance
Marketing Committee // Thread Group

Sujata Neidig
Senior Global Marketing Manager, Microcontrollers & Connectivity // NXP Semiconductors
VP Marketing // Thread Group

Victor Berrios
VP Technology // Zigbee Alliance
“Technology is stuff that doesn’t work yet”

Douglas Adams
*(quoting Bran Ferren)*
How to Stop Worrying and Learn to Love the Internet
Unlimited Free Coasters!

15-random-digit email addresses!

Butterflies!
Ethernet, Fiber, Cable, LTE...

IP

HTTP, FTP, SSL...
meet
dotdot makes smart homes and businesses work for everyone.

dotdot is a common language for the smart objects we rely on every day, so they can speak to each other effortlessly on any network, and make themselves more useful to all of us.
Built with the open standards and global membership of the Zigbee Alliance.

Based on Zigbee’s application layer — the “Zigbee Cluster Library”, now enabled to run over IP networks.
Thread is an open, IPv6-based, low-power, secure and future-proof mesh networking technology for IoT products.

Built on the same IP technology that drives every Internet-connected device, but designed specifically for the needs of IoT devices.
The first open, interoperable device language running over an Internet (IP) based network.

Open, universal protocols like HTTP over IP unlocked and accelerated innovation on the Internet.

Dotdot’s common device language over Thread’s IP network brings this foundation for innovation to the Internet of Things.
HOW STANDARDS PROLIFERATE:

(SEE: A/C CHARGERS, CHARACTER ENCODING, INSTANT MESSAGING, ETC)

SITUATION: THERE ARE 14 COMPETING STANDARDS.

14?! RIDICULOUS! WE NEED TO DEVELOP ONE UNIVERSAL STANDARD THAT COVERS EVERYONE’S USE CASES. YEAH!

[Drawing of two people talking]

SOON:

SITUATION: THERE ARE 15 COMPETING STANDARDS.

Source // xkcd.com
Dotdot + Thread is not another new standard. This solution leverages two of the most widely adopted and deployed technologies.

Both have global, competitive supply chains, with vendors at every level and developers with years of experience deploying in the real world at scale.

Major vendors in both organizations are already building with Dotdot + Thread.
Dotdot + Thread is not another new standard. This solution leverages two of the most widely adopted and deployed technologies. Both have global, competitive supply chains, with vendors at every level and developers with years of experience deploying in the real world at scale.

Major vendors in both organizations are already building with Dotdot + Thread.
Dotdot + Thread

Dotdot + Thread is Transformative

Dozens of devices connected through just as many proprietary API’s is un-scalable for the industry and the consumer.

Too many points of failure, and too complex for users.
Dotdot + Thread

Dotdot + Thread is Transformative

Native, reliable, device-to-device communication.

One implementation can scalably support many different vendors. A flat “org structure” makes it easy for users to understand.
Dotdot + Thread Enables One-to-Many

Non-IP based technologies require devices to connect to a central gateway, bridge, or mobile device. This cuts devices off from their manufacturers and third-party applications, and creates multiple “gatekeepers” that users must manage.
Dotdot + Thread Enables One-to-Many

Devices can interoperate natively, while being able to “call home” to first and third party services.

Individual product vendors can create interoperable products, while generating data and enabling value added services.
Dotdot + Thread

Dotdot + Thread for commercial

Different networks can share the same infrastructure, but be flexibly deployed.

Integrators can choose devices that work together in one building or separately in another, depending on a facility’s size, complexity, or administration and security policies.
Dotdot + Thread

Start connecting the dots

Our members are working together to achieve this roadmap, through technical work, joint marketing, tradeshow demos, and events like this.

Join the Zigbee Alliance and Thread Group, learn about Dotdot + Thread, participate in demos, and see how others in your market are planning their roadmaps around Dotdot + Thread.

Dotdot Effort Announced

- **Dec 2016**

**Dotdot over Thread Specification Available to Zigbee Alliance Members, Demos at CES**

- **January 2018**

**Dotdot over Thread Specification general availability, Commissioning application, and Certification Program Open**

- **Summer 2018**
Thread and Zigbee both use 802.15.4 technology.

Vendors building with Zigbee today immediately access an existing market of products and platforms.

Return on investment in Zigbee hardware, software, and expertise grows as new markets emerge for Dotdot + Thread.
Meet us at CES!

zigbee alliance

Learn more about Dotdot and experience Dotdot over Thread live demos from Legrand, MMB Networks, NXP Semiconductors, OSRAM, Silicon Labs, Volansys, Yale, Resolution, and Zen Thermostat.

Visit the Zigbee Alliance in the Titian 2206 meeting room at Tech West (Venetian / Sands Expo).

Contact
Media
Heather Chesterman // hchesterman@zigbee.org
Info
Katie Gengler // marketing@zigbee.org

The Thread Group will be exhibiting at Pepcom’s Digital Experience on Jan. 8, 2018 at the Mirage Hotel.

Contact
Media
Gabriella Asmus // gabriella@finnpartners.com
Info
Thread Group // help@threadgroup.com
Q&A

Daniel Moneta
Founder & EVP Business Development // MMB Networks
Marketing Workgroup Chair // Zigbee Alliance
Marketing Committee // Thread Group
daniel@mmbnetworks.com

Sujata Neidig
Senior Global Marketing Manager,
Microcontrollers & Connectivity // NXP Semiconductors
VP Marketing // Thread Group
sujata.neidig@nxp.com

Victor Berrios
VP Technology // Zigbee Alliance
vberrios@zigbee.org

General Contacts
Zigbee Alliance // marketing@zigbee.org
Thread Group // help@threadgroup.org