



The Anterix Active Ecosystem has launched four Action Teams that will meet throughout the year to help define and address initiatives focused on driving the evolution and adoption of 900 MHz Private LTE at Utilities.

## Supporting Utilities Action Team



### OVERVIEW:

Ad Hoc Projects and Needs defined directly by specific utilities or the Utility Strategic Advisory Board (USAB).

### CHARTER:

- The key purpose of this workgroup will be to bring ecosystem members with specific areas of expertise together in collaboration with utilities to address industry challenges and opportunities as identified by utilities.

### OBJECTIVE:

Some initial concepts put forward by the USAB include development of Collectives that address the following two areas:

- **Resilience** – Defining a blueprint and specific key solutions enabled by PLTE in addressing severe weather events, wildfire mitigation and mutual aid support to name a few key areas. Seeking members supporting the use case areas, and work processes or interfaces needed to apply these solutions through a private network.
- **Decarbonization Goals** – Applying a focus on real-time insights into load and generation management to the safe and reliable interconnection of resources. Seeking members supporting integration of green energy resources with coordination via sensors, monitoring via several solutions across electric, water and gas including the application of AMI 2.0 where appropriate.

The USAB will continue to provide input to refine the above Collectives and identify other key areas where the ecosystem may contribute.

## Ecosystem Evolution Action Team



### OVERVIEW:

Support efforts to continue to evolve and expand the technologies and ensure a healthy technology supply-chain available to the ecosystem for 4G, 5G, and beyond.

### CHARTER:

- Define how the ecosystem will support and communicate the new 3GPP band b106 while continuing to support existing product that support B8.
- Educate the market on how the new band n106 (a 3GPP 5G standard) will support 900 MHz in a 3x3 configuration and how it will be positioned in the Utilities Industry that is currently deploying PLTE (Private LTE).
- Seek opportunities for greater collaboration with chipset, module and key technology providers throughout the supply-chain to ensure a healthy and vibrant PLTE ecosystem for the coming years and to pave the way for 5G capabilities (including REDCAP modules) as the market advances.

### OBJECTIVE:

- Support Active badge holders with resources to promote awareness of the new band (b106).
- Educate the community regarding the new band n106 and how to position with a story of longevity of PLTE.
- Define Utility use cases that require 5G ultra-low latency and start testing REDCAP devices in the LAB.
- Use the new bands b106 and n106 to accelerate the market and adopt new Line of business applications.
- Determine a timeline for introducing private 5G services while continuing to deploy CAT M1 and NB-IoT2.

**OVERVIEW:**

Take necessary steps to provide Utilities confidence that ecosystem technologies possess the technical maturity and performance to meet or exceed their business and operational needs. These steps may include evaluation, testing, certification and other methods to ensure quality for the private wireless broadband investments.

**CHARTER:**

- Defining Streamlined Validation and Certification approaches to efficiently take devices and solutions across all customers and use cases.
- Staying current on the technical readiness of 3GPP standards-based connectivity including NB-IoT, LTE-M, 5G NR and emerging technologies, such as NTN (Non-Terrestrial Networks).
- Stay abreast of chipsets and modules availability which support the bands of interest for utilities interested in deploying an LTE FAN network.

**OBJECTIVE:**

- Discuss and investigate a validation/certification program that would help Ecosystem members shorten the procurement process with utilities.
- Determine how to showcase connectivity modes (NB-IoT, LTE-M, etc.) to interested utilities to present use cases and/or equipment in a trial, pilot, or initial deployment.
- Understand the value of third-party programs, such as the CITIA/Ericsson collaboration on IoT Device Certification for Utilities.
- Create an inventory of supported chipsets and modules for Ecosystem members that support multiple bands.

**OVERVIEW:**

To increase market awareness and education, accelerating the value of the ecosystem through market development, bringing to market newly commercialized solutions.

**CHARTER:**

- Increase Market Awareness to Help Drive Utility Private LTE Adoption by Educating Utilities and Members.
- Develop and Increase the Value of the Ecosystem through Market Development and Education.
- Provide Voice of the Utility and Ecosystem Member Market Information to Help Accelerate Private LTE Adoption.

**OBJECTIVE:**

- Team of marketing advocates to evangelize our common interests.
- Accelerates Utility adoption of private LTE solutions.
- New solutions to that drive industry value.
- Ecosystem becomes a primary communication channel to utility market.
- Members, Utilities look to Ecosystem for market and customer insights, essential to their business.