



Enhancing Safety and Efficiency in your community with Lazer's Push To Talk over Cellular (PoC) Communication Solution

PTToC has become the preferred technology for community safety teams and neighbourhood watches seeking efficient and flexible voice and data communications. PoC technology harnesses the immense computing and sensor functions, which are present in current smartphones and PoC devices to deliver advanced communication and emergency services. In this short guide, we'll show you how this technology can be of assistance.

PUSH TO TALK

Elevate Your Communication with Lazer and TASSTA:

Lazer Communications has joined forces with TASSTA GmbH to bring you cutting-edge Push-to-Talk-Over-Cellular (PTToC or PoC) solutions that transcend traditional Walkie Talkie communication. We recognise that every organisation has unique challenges, and our services are meticulously designed to seamlessly integrate into your daily operations, transforming the way you communicate.



- Geofencing**
- GPS localization**
- Individual call**
- Priority call**
- Dynamic group call**
- Emergency call & Loneworker protection**
- Voice recording & call history**
- Video**
- Status messages, text & data exchange**

Limited Coverage and Range: traditional Walkie Talkie networks are limited to the coverage of the local tower, and the range of the Walkie Talkie device.

Isolated Talk Groups: traditional Walkie Talkies have severe limitations in terms of the number of talk groups due to radio channel limitations.

Unsecure Network: analogue Walkie Talkies are vulnerable to eavesdropping of conversations by frequency scanners.

Restricted Control: all the user management of Walkie Talkie networks and user configuration must be performed by radio technicians, thereby not allowing any of this time-saving control to be handed over to the end-user organisation.

Limited Features: Traditional Walkie Talkies have only one feature – voice. PoC opens a host of features beyond voice, that transform Push to Talk into a powerful communication tool for Community Safety.

How PoC Can Benefit Your Operations:

TASSTA's suite of features are wide ranging. The following are relevant to Neighbourhood Watches and Community Safety Teams:

- **Push-to-Talk:** PTT functionality (one-to-many voice calls) is the main driver for mission critical communications. With PoC it is easily accessible from any device, whether it is an analogue button on a Walkie Talkie, or an icon on the touch screen of a smartphone.
- **The PoC App:** our user-friendly App transforms any smartphone into a virtual Walkie Talkie, offering extensive communication and emergency features that can be easily configured to meet your specific needs. Our PoC Subscriber App runs on any Android or iOS device, eliminating the need for additional communications devices. For those who prefer the form factor of a traditional Walkie Talkie, ruggedised PoC devices, resembling Walkie Talkies are compatible.
- **Command-and-Control Centre:** the Dispatcher application can run on a desktop PC, smartphone, or iPad (soon to be released). It is a full-featured dispatch, command-and-control centre. It enables group and individual PTT communication, message and data exchange, tracking, voice recording, dynamic talk groups, and GPS monitoring.
- **Emergency Communication:** The outcome in an emergency highly depends on the co-ordination among all the involved users and dispatch. It is important to provide the patroller with secure and reliable emergency notification tools. The emergency solution is highly customisable to cover every possible operational requirement. The patrollers may use the option of "Covert emergency" when triggering an emergency that should not be revealed to a third party. It is also important that the user's device initiates emergency calls itself in situations when the sensors detect preconfigured dangerous conditions, like man down, idle position or absence of regular status messages updates.
- **Dynamic Group Call:** allows dispatchers to instantly reorganise group communications to address problems or emergencies by regrouping individuals or creating ad hoc teams based on location or standard operating procedures.
- **Geofencing:** creates virtual boundaries, allowing applications to trigger actions or alerts when a user or device or exits a specified area.
- **Broadcasting and Group Calls:** enables a single person to communicate with multiple users organised into specific groups with a single button press, facilitating efficient one-to-many communication.
- **Priority Call:** allows designated users, often dispatchers or critical personnel, to take control of a communication channel and prioritise their message in emergencies.
- **Group Call:** a communication feature that enables one person to broadcast a message to multiple users organised into specific groups with a single button press, facilitating efficient one-to-many communication.
- **Individual Call:** allows users to privately communicate outside of group channels, enabling one-to-one voice communication with the press of a button for secure and private conversations.
- **GPS Localisation:** a feature that allows for the precise tracking and mapping of the geographical location of users in real-time using GPS technology.
- **Emergency Call & Lone Worker Protection:** initiates alarms and alerts for users in distress, providing location information if GPS is enabled. Offers automatic emergency notifications based on accelerometer data, enhancing safety for lone patrollers.
- **Status Messages, Text & Data Exchange:** supports predefined or custom status messages for efficient communication of user statuses and activities. Allows users to send real-time text messages and share data with individuals or groups, facilitating quick and efficient communication.
- **Voice Recording & Call History:** records voice communication and maintains call history for users, accessible through the interface.
- **Video:** enables users to transmit real-time video streams, enhancing communication by providing visual information along with audio. Moreover, it is possible to remotely turn on a patroller's camera to check the surroundings in an emergency when the user is not responding or presses the emergency button.

Safer Communities! We read you loud and clear.

