

## Software Release Note

### Vocality Gateway Suite 6.1.1

Date of software release: 2 December 2021  
Release Note date: 2 December 2021  
Release Note version: 1.0  
Release Identification: 6.1.1-19416

### Purpose of Release

This release supersedes version 6.0.1 – and this release note details changes since that release.

This Release includes revisions to the MCPTT implementation to automatically update the MCPTT Root Certificate. At the same time, other MCPTT-related issues are resolved.

It also addresses an issue where the audio stream on SIP / RTP Streams was being disrupted if the audio persisted for a very long time and resolves an issue where RTP Streams were not always operating on startup.

### Document History

<u>Version</u>	<u>Date</u>	<u>Details</u>
1.0	2 December 2021	Initial Draft

### Hardware Affected

This release is targeted to all versions of Cubic's RoIP and M3-SE-MFGW.

### Pre-Requisites

This release should only be installed on Cubic's RoIP products currently running release 4.17.2 and later.

For earlier releases, please use the [Software Portal](#) to upgrade to 4.17.2 first.

### Special Instructions

The following is only applicable if upgrading from a version before 6.0.0.

This release contains a new https certificate for the admin.vocality.com webpage, which means a change to the normal update process.

When updating to this version please follow these instructions,

- Start the upgrade from the user interface.
- If you can see the RoIP, wait until the status LED is continuously green.
- If you cannot see the RoIP power light, wait 5 minutes.
- Close the browser window in which you started the upgrade.
- Open a new browser window on [admin.vocality.com](http://admin.vocality.com) or via the IP address of the unit.
- Upgrade is now complete.

This update increases the minimum length of user passwords to 10 characters. When updating a password, setting up the unit from factory default, or adding a new user, new passwords will need to be a minimum of 10 characters in length. Existing passwords will not be affected.

The default admin password on new units pre-configured by Cubic will be **Vocal1ty!!** now.

## Key Features and Enhancements

- Automatically checks MCPTT Root Certificate - resetting MCPTT clients and downloading new certificate when it expires.
- Adds a new configuration option to control whether Silence Suppression is enabled in packets sent towards SIP/RTP Streams.

Default is “enabled”. Specifically, this provides adaptive silence detection when encoding audio data for transmission. If enabled, packets will not be transmitted if the audio levels fall below a dynamic threshold, which depends on the current average audio level. If disabled, packets will always be transmitted (even if there is no audio). Enabling this can reduce transmission of unnecessary silent packets and is suitable for normal speech, but may cause audio to drop out where continuous audio is being transmitted. Changing this setting may cause a temporary loss of audio in all talk groups.

Note that as part of this change - the "SIP General" tab has been renamed "General" - since this new parameter applies to all streams both SIP and RTP.

## Bug Fixes

- MCPTT: Following factory default, if a new MCPTT Talk Group is created in the UI, in certain circumstances two MCPTT Talk Groups were being created.
- MCPTT: The self-signed certificate used for MCPTT authentication interactions were being created with an insufficiently long duration. This has changed to have a thirty year duration. A new certificate is automatically created if the duration of the current one is too short (less than 5 years).
- The MCPTT Authentication password is no longer logged when MCPTT Gateway log level in UI is set to debug.
- MCPTT Improve handling of network IP address changes. Under certain circumstances, if the IPv6 address assigned to the network interface changed, then MCPTT would see problems. (Typically MCPTT calls could be made but there was no audio).
- MCPTT Clients have been seen to be stuck in DIALLING state. This has now been resolved.

- REST API errors were being seen when adding RTP Streams.
- Incoming Secure-SIP calls were not working.
- Resolve issue where RTP streams were not operational on startup. This was due to the firewall/iptables entries not being created due to interactions with the restful API.

## RESTful API changes

- N/A

## Security Updates

- N/A

## Component Version Numbers

Changes highlighted.

- vocality\_api 2.0.0-19416
- vocality\_database 1.2.0-19416
- vocality\_dispatch 1.4.0-19416
- vocality\_filesystem 1.0.0-19416
- **vocality\_mcpttgateway 1.2.3-19416**
- vocality\_modemfirmware 1.1.0-19416
- vocality\_multibearer 3.3.0-19416
- vocality\_nodemanager 4.15.1-19416
- vocality\_nodeui 4.17.0-19416
- vocality\_password 1.0.1-19416
- vocality\_picfirmware 1.0.1-19416
- vocality\_radiogateway 4.6.2-19416
- vocality\_registry 3.2.0-19416
- vocality\_registryclient 3.2.0-19416
- **vocality\_release 6.1.1-19416**
- vocality\_secure 4.1.0-19416
- vocality\_serial 3.1.0-19416
- vocality\_utils 2.1.0-19416
- **platform-distro-roip 6.1.1**

© 2021 Cubic Corporation. All Rights Reserved.

Lydling Barn, Lydling Farm, Puttenham Lane, Shackleford, Surrey, GU8 6AP, UK  
01483 813 130  
21580 Beaumeade Circle, Suite 230, Ashburn, VA 20147  
703-709-5805  
cubic.com