

CHANGELOG Kings III Software Changes

Version V00.03.02

Added

Added the ability for extension 201 to join the elevator conference in progress. The ‘elevator conference’ will now only end when the last conference admin leaves the conference.

Added a new program manage_modem.py to replace place_call.py. This program introduced a different way to interface with the voip_call_monitor_tcp program (now a socket), so that call status can be communicated to the voip_call_monitor_tcp program. This was primarily for adding the answer functionality.

Added get_sensor_data (.py, .service, .timer) to capture temp and voltage info.

Changed

Master phone password in the pjsip.conf file change to make it easy for the phone to be registered from the phone.

Updated the modem_utils and send_EDC_data script to capture changes made for additional fields to be retrieved from the SBC.

Added the following fields to the K3_config_settings file.

```
ZLIST="01"
WHITELIST="9723256826,9724620611,8668073545,9729560535,9729560536"
MASTER_ANSWER_TO="15"
ENABLE_AUDIO_ROUTING="OFF"
```

Removed

Known Issues

The first time an LTE call is attempted it does not complete. It is not clear why. There is a ticket filed with Telit on this but to this point it has not been responded to or resolved.

The modem will answer the incoming LTE call, and dial the correct extension, but at the moment the audio path is failing somewhere along the way.

Version V00.03.01

Added

Changed

VoIP Enhancement - Ext 201 -> 200 roll over.

Changed the ari-mon-conf.py script to first dial 201 and if it is not answered within 15 seconds the call rolls over to the LTE call at extension 200.

Changed how the K3_config_settings file is created so the SW version can be added automatically.

Removed

Known Issues

The first time an LTE call is attempted it does not complete. It is not clear why. There is a ticket filed with Telit on this but to this point it has not been responded to or resolved.

Version V00.03.00

VoIP Enhancement - EDC Information Reporting

The system now automatically sends EDC (Emergency Dispatch Center) information packets when extensions dial into the conference bridge. Key changes include:

Added

- **Automatic Extension Detection:** When an extension (101-104) joins the conference, the system captures the calling extension number
- **EDC Info Packet:** Sends site identification and extension information to EDC servers via cellular modem
- **Modem Utilities Module:** Refactored modem communication functions into reusable `modem_utils.py` module

Changed

- **ari-mon-conf.py:** Enhanced to detect calling extension from ConfBridge events and trigger EDC reporting
- **voip_call_monitor_tcp.py:** Updated to coordinate with EDC info transmission during call setup
- **place_call.py:** Refactored to use shared modem utilities; simplified interface
- **modem_utils.py:** New shared module for modem AT commands, TCP operations, and network status checking

- **send_EDC_info.py**: New script for sending formatted EDC information packets via cellular modem
- **K3_config_settings**: New configuration file for site-specific EDC parameters (CID, account code, model, etc.) ##### Added

VOIP captures the calling extension and uses the send_EDC_info.py script to send a packet from each extension dialing into the conference.

Refactored the sending of the INFO packet to the EDC servers so that it could be reused for other reporting. Created a modem_utils.py file that has many of the modem related command in one file so duplication is avoided.

Removed

Nothing

Version V00.02.00

Created VOIP configuration that successfully conferences calls to the operator at the EDC.

Version V00.01.00

Added

Basic Pool functionality.

Removed

Nothing.