



## Emergency Phone Standards

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# Revision History

Date	Page	Version	Revision
3/18/2016	All	1.0	Initial version 1.0.
4/14/2016	6	1.1	Updated the Approved Mounting Solutions wording and the description of Figure 2. Added Figure numbering to images.
8/8/2017	All	2.0	Complete rewrite of document.

# Introduction

The UNLV Emergency Phone Standards have been compiled for architects and engineers retained to provide professional services for UNLV. This includes the planning, construction and maintenance standards of emergency telephone equipment to be used on campus.

These standards have been prepared so that reliable and consistent systems are constructed, thereby requiring minimal maintenance and operating expense. Adherence to these standards is required. Deviations must be reviewed with UNLV Police Services prior to implementation. Equal or improved concepts, methods, or productions will be given full consideration when presented prior to implementation.

The standards presented in this document should be followed in conjunction with any of the other applicable campus design standards such as the [UNLV Wiring Standards](#).

The images in this document are provided for illustrative purposes only. Please refer to product descriptions for specific information about each item.

If an item outlined in these specifications is no longer available, please contact UNLV Police Services to make a recommendation on a replacement product.

All equipment should be IP based and able to integrate with Cisco Call Manager 10.5+. All phone locations must be approved by UNLV Police services.

Sections of this document will be revised and updated as experience of construction developments warrant. Each revised section supersedes all previous editions and directives concerning emergency phone practices for UNLV.

All questions should be directed to UNLV Police Services at (702) 895-3668.

## Approved Manufacturer



Talkaphone has been selected as UNLV's manufacturer of choice for emergency phones for use on UNLV's owned/leased properties.

### About Talkaphone

With over 80 years of experience creating communications solutions, Talkaphone designs attractive, robust, reliable products, focuses on continuous technology advancement and pledges a total commitment to customer and partner success.

# Approved Phone

## VOIP-600E

The approved phone is the [VOIP-600E Single Button Emergency IP Call Station](#)



Figure 1: VOIP-600E

## Summary

VOIP-600 Series IP call stations feature a clean and simple interface with backlit call progress signage for the hearing impaired.

The units are constructed of a 316 marine-grade stainless steel and are IP66 rated for harsh environments.

## Functionality

- Exceptional sound clarity during conversation (over 90dB, configurable) and paging (over 100dB, configurable)
- Power over Ethernet (PoE, 802.3af)
- Raised letter and Braille signage for ADA compliance
- Additional Layer 2 switch Ethernet port to connect other devices like IP Video Cameras
- Expandable to including lighting platforms, cameras and public address speakers.
- Self-diagnostic testing of built-in buttons, microphone and speaker on schedule and fault reporting

# Approved Mounting Solutions

There are two different approved mounting solutions for use on UNLV's properties. There is a stand alone pole for remote locations and a wall mount for mounting to existing structures. The approved Talkaphone pole (ETP-MT/R-BLP1-PCS-UNLV) was designed specifically for UNLV. The approved Talkaphone wall mount is the ETP-WMS. All mounting solutions should be finished in **Red with White lettering**. ETP-WMS wall mounts should be used in situations that require a wall mounted phone. Where space may prohibit the use of the ETP-WMS, or the phone is to be mounted indoors, the ETP-SML may be installed instead.



Figure 2: Talkaphone VOIP-600E in a ETP-MT/R-BLP1-PCS-UNLV Pole finished in Red outside of the Student Union

## Pole Mount

ETP-MT/R-BLP1-PCS-UNLV



Figure 3: ETP-MT/R-BLP1-PCS-UNLV

### Summary

Campus emergency phone tower, Model ETP-MT/R, is an ideal security solution for remote and high-risk areas. Standing over nine feet tall, this vandal-resistant tower serves as a great deterrent to crime. An always-lit LED blue light mounted atop the tower provides high visibility and gives passers-by a sense of security. Emergency call can be placed with a simple push of a button. At the same time, the LED blue light begins to flash, attracting attention to the location. The emergency phone faceplate is illuminated at all times for clear visibility during the night.

The pole is an excellent choice for walkways, parks, college and commercial campus areas, open landscape areas and anywhere a freestanding pole/pedestal unit is required.

### Features

- Cisco compatible
- Continuously lit LED blue light in a high visibility polycarbonate refractor housing
- High powered LED Tower Area Light
- LED lit stainless steel faceplate
- ADA compliant
- Vandal resistant hardware
- Designed to resist extreme weather conditions

## Wall Mounts

### ETP-WMS



Figure 4: VOIP-600E in a ETP-WMS Wall Mount S Emergency Call Station

### Summary

Talkaphone's Wall Mount S Emergency Call Station is an ideal security solution for remote and high-risk areas. The station offers contemporary architectural styling and is constructed of durable 316 marine grade stainless steel. An always-lit LED blue light provides high visibility and gives passers-by a sense of security. Users can call emergency personnel with a simple push of a button.

The ETP-WMS is an excellent choice for parking decks, dorm entrances, hallways and public transit centers.

The ETP-WMS is to be used in all cases where a wall mounted solution is needed, with the only exception being locations where space is prohibited.

### Features

- Cisco compatible
- Attention-getting LED blue light is included and mounted inside a polycarbonate housing.
- Emergency phone faceplate is illuminated at all times by a LED panel light
- Vandal-resistant marine grade 316 stainless steel construction
- ADA compliant
- UV resistant lenses
- Vandal resistant hardware
- Designed to resist extreme weather conditions

## ETP-SML



Figure 5: VOIP-600E in a ETP-SML Lighted Surface Mount Accessory

### Summary

Talkphone's ETP-SML Lighted Surface Mount Accessory is designed to surface mount any Talkphone flush mount emergency phone indoors or outdoors and to identify the location of an emergency phone with lettering on both sides. The emergency phone faceplate is also illuminated at all times for clear visibility during the night. The unit is constructed of durable stainless steel with a weather-protective hood.

The ETP-SML is a good choice for dorm and building entrances, hallways and transit centers where space is prohibited.

The ETP-SML is only to be used when insufficient space is available to install the CB 2-E wall mount or if it is ever determined that an emergency phone is needed in an interior space.

### Features

- Cisco compatible
- LED lit stainless steel faceplate
- ADA compliant
- Vandal-resistant stainless steel construction
- Ultra-weather resistant finish

# Phone Service Requirements

## Cisco Call Manager

### Version

10.5 or newer.

### Prerequisites

- CM and TFTP services licensed and enabled
- SIP Device Licensing for Third-party SIP (Basic) devices
- Network access from VOIP-600E phones to Call Manager to include all necessary network services.
- Appropriate access to Call Manager to configure:
  - Phone Security Profiles
  - End User Profiles
  - Devices (specifically Third-party SIP devices)

## Network

### IP

- DHCP

### Ports

### DNS Naming

<develop network naming standard>

## Monitoring

- Ping
- Web portal probe
- Switch port up/down
- Call Manager registration
- Self-test
- Email reports

# Phone Naming and Numbering

Emergency phones will be named and numbered by UNLV Police Services in coordination with UNLV Telecommunication Services. To avoid confusion, all documentation regarding emergency phones shall utilize these names and numbers. Emergency phone cabling should be labeled with the emergency phone number followed by a (EP) for emergency phone.

# Drawings and Plans

The installation of emergency phones should not commence until the architectural plans are appropriately designed by UNLV Planning and Construction. The completed plans will then require the approval of UNLV Police Services, UNLV Telecommunications and UNLV OIT's NDE department.

At the conclusion of the construction project, a final set of drawings (as built) shall be provided to UNLV Police Services, Telecom, and NDE in .PDF format outlining the location of all emergency phone equipment and any other relevant information to design, installation or configuration..

# Appendix A

## Product specifications