Normal Operation

Heavy Duty Tags will be permanently assigned to all staff where duress or emergency situations may occur in the facility. Staff shall be able to initiate an alarm when using the HDT by utilizing the push button or person-down options. Visitors to the facility shall be issued HDTs on a temporary basis while inside the institution or facility.

- HDTs (Actall part #60001) will be worn in an accessible location, so the wearer can access the alarm features easily and can view the LED status of the device when needed. Each device is equipped with a belt clip, although belt holsters and epaulet holders are available for staff wearing utility belts and/or epaulets.

- Each HDT has an LED window observable by the wearer. The various status conditions are:

  Initialization:
  (Note: All LEDs during initialization are on until the specific task has been completed)
  Red Solid: Heavy Duty Tag initializing
  Purple Solid: Heavy Duty Tag acquiring configuration from network
  Blue Solid: Heavy Duty Tag has proper acquisition of network

  Operation:
  Red Solid: Heavy Duty Tag in process of finding new network
  Red, blinking ½ second interval: Indicates alarm condition has been set. LED will continue to blink until alarm has been acknowledged by monitoring computer.
  Green blinking (every 30 sec):   Heavy Duty Tag device heartbeat, good battery.
  Red Blinking (every 30 sec):   Heavy Duty Tag device heartbeat, low battery.

- HDTs transmit their ID regularly via a low-power radio contained on the device. The location of each HDT is updated by passing underneath Location Device Nodes (Actall part #60003C or 60003W) positioned throughout the facility. Location is determined on a zonal basis; once your location has been recorded in the zone represented by a particular LDN, you location will not update until you have been located at a higher confidence level under a subsequent LDN.

- The HDTs will be battery powered with a battery life of 6 months under normal operating conditions (feature dependent). In addition to the LED notification on the device, a low battery indication will also be transmitted to the Alert Monitoring Center for replacement. Upon a low battery condition, the HDT will still operate for approximately 7 days. Spare batteries can be stocked and distributed at the issuance point for easy replacement by the user or control officer.

Emergency Operations

Panic Button Alarm:
The Panic Alarm is activated by pressing and releasing the red button at the top of the HDT. The amount of pressure needed to activate the alarm is nominal; care should be taken not to apply excessive pressure to the button. When properly activated, the user will feel a slight click when the button is pressed. The LED window on the HDT will blink red after the alarm is sent and will discontinue blinking when the alarm has been acknowledged at the Control Center.

Pull Cord Alarm:
Proper operation of the pull cord alarm requires that the anchor clip be firmly attached to the person activating the alarm, usually to a piece of clothing. To activate this type of alarm, the user should grasp the HDT firmly and pull it away from the point that the clip is attached to his/her person. On newer devices, this will require more force. The alarm is sent when the plastic plate detaches from the HDT (the opposite end of the lanyard from the clip). The LED window on the HDT will blink red after the alarm is sent and will discontinue blinking when the alarm has been acknowledged at the Control Center. The plate must be reattached for the alarm to be completely cleared in Crisis Controller.

Person-Down Alarm:
Under normal operation, the HDT shall remain upright. However, should the HDT be tilted by more than 60 degrees from a vertical position (it is tilted by 90 degrees when lying on its side, warning tones will sound. After a user-adjustable number of warning tones (initially set for 5 seconds), if it is not returned to a vertical position, an alarm transmission will be sent. These warning tones shall assist in eliminating false alarms when the unit is tilted upright and no emergency situation has taken place. The LED window on the HDT will blink red after the alarm is sent and will discontinue blinking when the alarm has been acknowledged at the Control Center.

It is required that the HDT be upright when it is not being worn to prevent false person-down alarms. A feature disabling the person-down function is incorporated into PrismUI software.