Version 1.0

Revision History

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| **Date** | **Version** | **Description** | **Author** |
| 04/05/2015 | 1.0 | Completed test case. | Philip Kurowski |
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# Tracking Module

# Test items

## Adding Members

A new member should be added to the database if all input is correct.

## Adding Routers

A new router should be added to the database if all input is correct.

## Adding Sensors

A new sensor ID should be added to the database if all input is correct.

## Adding Tags

A new tag ID should be added to the database if all input is correct.

# Input specifications

## Display Path Chart for Miners

### Miner with path

Select a miner from the tracking display that has connected to at least two different routers.

### Miner without path

Select a miner from the tracking display that has not connected to any routers.

## Display Miner Position

### Select active miner from tracking display

Select an active miner from the list of active miners on the tracking display.

# Output specifications

## Display Path Chart for Miners

### Miner with path

A heat trail will appear on the map leading to the current position of the miner.

### Miner without path

Nothing will appear on the map.

## Display Miner Position

### Select active miner from tracking display

The router info form will appear with its corner pointing at the router that the selected miner is connected to.

# Environmental needs

## Computer running Windows with the Tracking and Monitoring Software (TMS) installed

An install of the TMS is required with some miners and routers loaded into the system.

# Special procedural requirements

## Test path message receiving

There must be some way to receive messages from some source that will allow the system to emulate receiving a valid path message specified in the software interfaces section.

# Intercase dependencies

## Master module test cases must succeed before data can be tracked

There must be valid members, tags, and routers in the system for the components to be tracked.