Tracking and Monitoring Software

Version 1.0

Revision History

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

Table of Contents

1. Reports Module 3

2. Test items 3

2.1 Members report 3

2.2 Routers report 3

2.3 Tag report 3

2.4 Miner position report 3

3. Input specifications 3

3.1 Members report 3

3.2 Routers report 3

3.3 Tag report 3

3.4 Miner position report 3

4. Output specifications 3

4.1 Members report 3

4.2 Routers report 3

4.3 Tag report 4

4.4 Miner position report 4

5. Environmental needs 4

5.1 Computer running Windows with the Tracking and Monitoring Software (TMS) installed 4

6. Special procedural requirements 4

7. Intercase dependencies 4

7.1 Master module test cases must succeed before data can be tracked 4

# Reports Module

# Test items

## Members report

A report is generated which shows the information of all the members on the site.

## Routers report

A report is generated which shows the information of all the routers on the site.

## Tag report

A report is generated which shows the end device tags and all the miner’s assigned to the tags.

## Miner position report

A report is generated which shows the path history of a selected member.

# Input specifications

## Members report

Create multiple valid members and the tags “E0001” and “E0002”:

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MemberID** | **Is Vehicle** | **Pin No** | **Tag** | **First** | **Middle** | **Last** | **Address** | **Province** | **City** | **Phone** | **Mobile** |
| M0001 | False | 111111 | E0001 | Mark | “” | Miner | 12 Addr Ave | ON | London | (226)555-555 | “” |
| M0002 | False | 222222 | E0002 | John | “” | Miner | 15 Addr Ave | ON | London | (519)555-555 | “” |

## Routers report

Create multiple valid routers:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Router ID** | **Address** | **Location** | **Position X-Y** | **Is Blocked?** |
| R0001 | Address 1 | 1 | 20-100 | false |
| R0002 | Address 2 | 2 | 40-200 | false |

## Tag report

Create multiple valid members and the tags “E0001” and “E0002”:

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MemberID** | **Is Vehicle** | **Pin No** | **Tag** | **First** | **Middle** | **Last** | **Address** | **Province** | **City** | **Phone** | **Mobile** |
| M0001 | False | 111111 | E0001 | Mark | “” | Miner | 12 Addr Ave | ON | London | (226)555-555 | “” |
| M0002 | False | 222222 | E0002 | John | “” | Miner | 15 Addr Ave | ON | London | (519)555-555 | “” |

## Miner position report

With a member “M0001” and two routers, “R0001” and “R0002”:

Have the miner’s end device connect to R0001, then R0002.

# Output specifications

## Members report

The details of M0001 and M0002 should appear on the report in a table.

## Routers report

The details of R0001 and R0002 should appear on the report in a table.

## Tag report

The details of all miners assigned to tags should appear on the report in a table.

## Miner position report

The details of a selected miner alongside the time ordered router path should appear on the report in a table.

# 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

# 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 messages to be constructed.