Use Case Specification: Receive Message

Version 1.0

Revision History

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Use Case Specification: Receive Message

# Brief Description

The TMS server is constantly awaiting communication from the network coordinator.

# Participating actor

## Coordinator

The central node of the ZigBee network. The coordinator contains all information of routers in the mine and is able to return their location and end device connections.

## TMS Server

The server hosting the TMS. The TMS server is always connected to the network coordinator.

# Entry conditions

## Coordinator is connected

There is an active connection between the TMS server and the coordinator.

# Flow of Events

## Coordinator sends message

* The coordinator sends a formatted message to the TMS server including

## TMS server receives message

* The message is received at the server’s socket.

## Parse message

* The message type is parsed and its content is stored appropriately in the TMS database.

# Exit Conditions

## Database updated

The message protocol is analyzed and its appropriate information is saved to the TMS database.

# Quality requirements

## <Quality requirement one>