

Use Case I2: Detailed Description

Use Case Name: Manage a Mission

Scenario: S2: Start A Mission

Brief Description: With the System Running, the User Starts a new mission on the iButton device. The System first stops a mission (if a mission is already running), and then starts a new mission.

Actors: User

Related Use Cases: N/A

Stakeholders: Users who want to start a new mission on the iButton for the purpose of new temperature/humidity data collection.

Preconditions: The System is running, the iButton is connected to the receptor or another reading device. The iButton receptor or other reading device is connected to the computer.

Postconditions: A new Mission on the iButton is started.

Flow of Events

User	System
1. Request to start a new mission on the iButton	
	2. Stops the current mission (if a mission is running)
	3. Starts a new mission by setting the default settings (for this system that includes rollover not enabled)
	4. Indicates to the User a new iButton mission is stopped.

Exception Conditions

2a. If the Mission Cannot be stopped in the iButton, then the system indicates the error to the user with a possible reason (One Wire Network issues, One Wire Device issues).

3a. If the new Mission Cannot be started in the iButton, then the system indicates the error to the user with a possible reason (One Wire Network issues, One Wire Device issues).