# TCT: US2.001– Access the 'Threshold List' section

## TEST: TA-001

### **DESCRIPTION**: Access to the 'Threshold List' section and display of the parameter selection form

### **PRECONDITION**: The actor must be authenticated and have the permissions to access the 'Threshold List' section of the Telecontrol module.

### **ACTORS**: GP, Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | Selection of the 'Thresholds' sub-option from the Telecontrol module menu. | The system displays the form for parameter selection. |
| 2 | None (automatic display after step 1). | The system shows a list of parameters for which thresholds can be defined. |

# US1.002 – Insert threshold

## TEST: TA-001

### **DESCRIPTION**: Insertion of a threshold associated with a parameter

### **PRECONDITION**: The main flow of the use case TCT: US2.001 has been executed

### **ACTORS**: GP, Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | Click on 'add threshold' | The interface with the fields to be filled in is displayed |
| 2 | Fill in the 'Minimum Threshold' and 'Maximum Threshold' fields and click on 'save' | The system saves the set threshold and displays it in the list |

## TEST: TA-002

### **DESCRIPTION**: Cancellation during threshold entry

### **PRECONDITION**: The main flow of use case TCT: US2.001 has been executed.

### **ACTORS**: GP,Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | Click on the 'add threshold' button. | The interface with the fields to be filled in is displayed. |
| 2 | Click on the 'cancel' button. | The threshold creation interface closes, and the list of thresholds associated with the selected parameter is displayed without changes. |

## TEST: TA-003

### **DESCRIPTION**: Error due to missing completion of 'Minimum Threshold' or 'Maximum Threshold' fields

### **PRECONDITION**: The main flow of the use case TCT: US2.001 has been executed

### **ACTORS**: GP,Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | The actor does not fill in either the 'Minimum Threshold' field or the 'Maximum Threshold' field and uses the save functionality. | The system displays an error message: 'Please enter at least one threshold'. |

# TCT: US1.003– Display threshold details

## TEST: TA-001

### **DESCRIPTION**: Threshold details display

### **PRECONDITION**: There is at least one threshold in the database. The main scenario of the TCT use case: US2.001 has been executed.

### **ACTORS**: GP,Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | Click on 'view details' for a given threshold | The system searches for the threshold details |
| 2 | None (internal process) | The system retrieves the threshold details from the database |
| 3 | None (internal process) | The system displays the threshold details on a page with editable fields |

# TCT: US1.004 – Update threshold

## TEST: TA-001

### **DESCRIPTION**: Update of a previously defined threshold for a parameter

### **PRECONDITION**: At least one threshold exists in the database. The main flow of the use case TCT: US1.003 has been executed.

### **ACTORS**: GP,Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | Click on the 'Edit' button | The system displays the editable fields for the threshold |
| 2 | Edit a field and click on 'Save' | The system saves the changes and displays the updated list of thresholds for the selected parameter |

## TEST: TA-002

### **DESCRIPTION**: Cancellation of threshold modification during the operation

### **PRECONDITION**: At least one threshold exists in the database. The main flow of the use case TCT: US1.003 has been executed.

### **ACTORS**: GP, Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | Click on the 'Edit' button | The system displays the editable fields for the threshold |
| 2 | Click on the 'Cancel' button | The system returns to the previous screen without saving the changes |

## TEST: TA-003

### **DESCRIPTION**: Error due to missing completion of 'Minimum Threshold' or 'Maximum Threshold' fields.

### **PRECONDITION**: At least one threshold exists in the database. The main flow of use case TCT: US1.003 has been executed.

### **ACTORS**: GP, Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | Click on the 'Edit' button | The system displays the editable fields for the threshold |
| 2 | Leave the 'Minimum Threshold' and 'Maximum Threshold' fields empty and click on 'Save' | The system displays an error message 'Please enter at least one threshold' |

# TCT: US1.005– Delete a threshold

## TEST: TA-001

### **DESCRIPTION**: Deletion of an existing threshold

### **PRECONDITION**: At least one threshold exists in the database. The main flow of use case TCT: US1.003 has been executed.

### **ACTORS**: GP, Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | Click on the 'delete' button for the given threshold | The system asks to confirm the operation |
| 2 | Click on the 'confirm' button | The system deletes the threshold |
| 3 | No input (automatic system action) | The system displays the message 'Threshold successfully deleted' |
| 4 | No input (automatic system action) | The system returns to the previous screen |

## TEST: TA-002

### **DESCRIPTION**: Cancellation of the deletion of a threshold

### **PRECONDITION**: At least one threshold exists in the database. The main flow of the use case TCT: US1.003 has been executed.

### **ACTORS**: GP,Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | The actor clicks on 'cancel' at step 3 of the main flow.. | The system does not delete the threshold and returns to the previous screen. |

# TCT: US2.001 – Measurements taken

## TEST: TA-001

### **DESCRIPTION**: Displaying updated measurements

### **PRECONDITION**: At least one measurement exists in the database

### **ACTORS**: Relative,GP

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | The actor accesses the 'Measurements' area. | The system displays a page where it is possible to see the measurement related to the latest update for each parameter. |
| 2 | The actor navigates the interface. | The system allows navigation and correctly shows the updated information. |

# TCT: US2.002 – Display measurement graphs

## TEST: TA-001

### **DESCRIPTION**: Displaying of measurement charts

### **PRECONDITION**: At least one measurement exists in the database

### **ACTORS**: GP,Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | The actor accesses the 'Measurements' section. | The system displays an interface where it is possible to see the measurements for each parameter related to the latest update. |
| 2 | The actor uses the graph visualization feature for one of the detected parameters. | The system opens a popup with the available graphs for the selected parameter. |
| 3 | The actor navigates the interface. | The system allows the navigation of the graphs and the visualization of the measurements in graphical form (weekly, monthly, and/or quarterly depending on the parameter). |

# TCT: US2.003 – View Alert

## TEST: TA-001

### **DESCRIPTION**: Displaying all received alerts

### **PRECONDITION**: An alert has been generated for an abnormal measurement

### **ACTORS**: GP,Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | The actor uses the alert display functionality available in the system interface. | The system displays the list of all registered alerts. |
| 2 | The actor navigates the list. | The actor is able to view and navigate through all received alerts. |

## TEST: TA-002

### **DESCRIPTION**: Selection of a specific alert to view the associated detection

### **PRECONDITION**: An alert has been generated for an anomalous measurement

### **ACTORS**: GP,Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | The actor selects a specific alert from the list of displayed alerts. | The system shows the detection screen, highlighting the detection to which the alert refers. |

## TEST: TA-003

### **DESCRIPTION**: Deactivation of an alert in the list to indicate its resolution

### **PRECONDITION**: An alert has been generated for an abnormal measurement

### **ACTORS**: GP,Relative

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | The actor accesses the alert viewing functionality present in the system interface. | The system displays the list of all registered alerts. |
| 2 | The actor navigates the list. | The system allows navigation of the alert list. |
| 3 | At step 3 of the main flow, the actor deactivates an alert in the list to indicate its resolution. | The system marks the alert as resolved and no longer displays it among the active alerts. |

# TCT: US3.001 – Record the exit of the patient from the security area

## TEST: TA-001

### **DESCRIPTION**: Recording of the patient's exit from the safety area

### **PRECONDITION**: The patient is wearing the device, and the association between the smartwatch and the patient has been successfully completed to allow the exchange of information with the platform and the display of information in the medical record.

### **ACTORS**: Device

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | The device detects the patient's position and calculates the distance from the identified location at the time of association with the smartwatch. | If the calculated distance exceeds a configurable threshold, the device records the patient's exit.  The device sends the information to the system. |
| 2 | The device sends the information to the system. | The system records the patient's exit and allows visualization in the patient's medical record. The system sends a notification to inform that the patient has left the safety perimeter and to detect their position in real-time. |

# TCT: US3.002 – Patient’s steps count

## TEST: TA-001

### **DESCRIPTION**: Registration and Transmission of Patient Step Count

### **PRECONDITION**: The patient wears the device, and the association between the smartwatch and the patient has been correctly established to allow the exchange of information with the platform and the display of information in the medical record.

### **ACTORS**: Device

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | The patient walks and accumulates steps. | The device records the number of steps taken by the patient. |
| 2 | X minutes pass since the previous data transmission. | The device sends the information to the system, which records it and allows its visualization in the patient's medical record. |