# 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 user is authenticated and is in the Telecontrol module interface.

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

| **Step** | **Input** | **Output** |
| --- | --- | --- |
| 1 | Selection of the 'Thresholds' sub-option from the menu. | The system displays a form for selecting parameters. |
| 2 | No input required. | The system shows a list of selectable parameters. |

# 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 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 'add threshold' | The interface with the fields to be filled in is displayed |
| 2 | Click on 'cancel' | 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 failure to fill in the minimum 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 | Click on 'add threshold' | The interface with the fields to fill in is displayed |
| 2 | Do not fill in the 'Minimum Threshold' or 'Maximum Threshold' field and click on 'save' | The error message 'Please enter at least one threshold' is displayed |

# 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 | Searching for threshold details in the database | The system finds the threshold details and prepares them for display |
| 3 | Displaying the threshold details | The system shows 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 a 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 'delete' 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 required | The system displays the message 'Threshold successfully deleted' |
| 4 | No input required | 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 in the 'Measurements' area

### **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 the 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 related to the latest update for each parameter. |
| 2 | The actor uses the graph visualization feature for one of the recorded 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 feature available in the system interface. | The system displays the list of all recorded alerts. |
| 2 | The actor navigates the list. | The actor can view and interact with the list of alerts. |

## TEST: TA-002

### **DESCRIPTION**: Selection of a specific alert from the list 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 the alert display functionality available in the system interface. | The system displays the list of all recorded alerts. |
| 2 | The actor at step 3 of the main flow selects a specific alert. | 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 | At step 3 of the main flow, the actor deactivates an alert in the list to indicate its resolution. | The system records the alert as resolved and either removes it from the list of active alerts or marks it appropriately. |

# 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. | The device calculates the difference between the patient's current position and the location identified at the time of association with the smartwatch; if it exceeds a configurable distance, it records the patient's departure. |
| 2 | Sending 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**: Patient step count

### **PRECONDITION**: The patient is wearing 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 wearing the device. | The device records the number of steps taken by the patient. |
| 2 | Wait for X minutes for the automatic transmission of the information. | The information is sent and recorded to be viewed in the patient's medical record. |