# UC-SSF-0602: Landing declaration

> **Warning**
>
> As we are currently in the planning phase, please be aware that there may be changes to the use cases. Adjustments or revisions may occur as the project progresses.

## 1. Use Case Description

This use case describes the process where a small-scale **fisher declares their catch upon landing at the port** using the Small Scale Fisheries Application. The landing declaration is critical for recording catch data, ensuring compliance with regulations, and providing accurate reports to authorities.

### 1.1. Goal

This detailed use case covers the steps involved in submitting a landing declaration in the Small Scale Fisheries Application, including type of product presentation and state of processing, conversion factor, weight, class, confirm/modify port of landing with date and time of completion of landing, where users encounter issues or decide to cancel the process.

### 1.2. Pre-conditions

1. **Logbook has submitted** to FMC.
2. Fisher sends declaration to FMC for **arrival to port.**
3. Return message received from the FMC to fisher.

### 1.3. Post-conditions

1. Landing report is submitted to FMC.
2. Return message received from the FMC to fisher.

### 1.4. Trigger Event(s)

### 1.4.1. Primary Actor:

1. Fisher

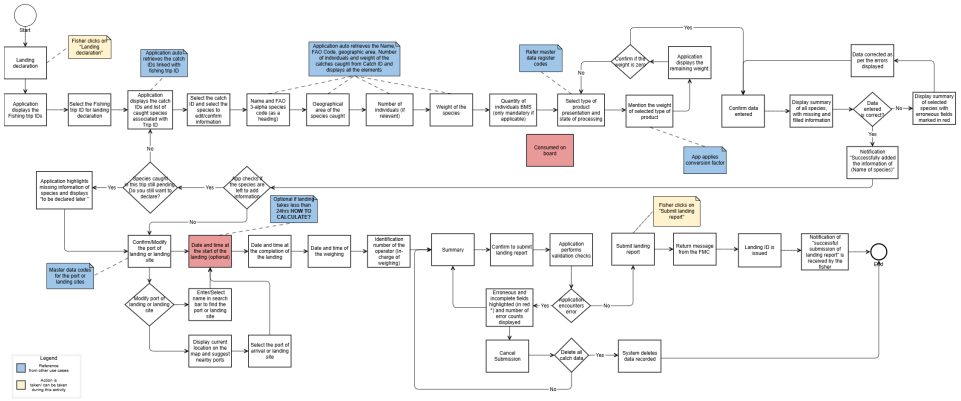
### 1.4.2. Secondary Actor(s):

1. Application
2. FMC

## 2. Use Case Details

> **In the activity diagram below:**
>
> References form other use cases are marked in "BLUE"
>
> Action is taken or can be taken during this activity are marked in "YELLOW"

### 2.1. Activity Diagram



## 2.2. Primary Path

| Step ID | Actor | Action | Notes and References |
|---|---|---|---|
| PF-1 | Fisher | The flow is triggered by clicking on "Landing declaration" from the main menu by the fisher. | |
| PF-2 | Application | Application displays the **list of Fishing trip IDs** for which **landing declaration is not done.** | |
| PF-3 | Fisher | Fisher **selects the fishing trip ID** for landing declaration. | |
| PF-4 | Application | Application **auto-retrieves the catch IDs** and list of caught species associated with trip ID and displays the list of catches caught and kept on board with number of fishing operation. | **Auto retrieves the catches linked with fishing trip ID and catch ID.** |
| PF-5 | Fisher | Fisher **selects the species to add/confirm information**. (Fisher can select one species at a time to add information). | |
| PF-6 | Application | Application **auto displays name and FAO 3-alpha species code** as the heading to add the information. | **Auto-retrieves name and FAO 3-alpha species code** |
| PF-7 | Application | Application **auto-retrieves the geographic area** of the caught species from the catch ID. | **Auto-retrieves the geographic area from catch ID** |
| PF-8 | Application | Application **auto retrieves number of individuals** caught from the dropdown list. | **Auto-retrieves number of individuals caught** |
| PF-9 | Application | Application **auto retrieves total weight** of the selected species. | **Auto retrieves total weight of the selected species.** |
| PF-10 | Application | Application asks fisher to **add the quantity of individual BMS** (only mandatory if applicable). | |
| PF-11 | Fisher | Fisher adds the quantity of individual BMS. | |
| PF-12 | Application | Application asks to **select type of product presentation and state of processing.** | **Refer to master data register for codes.** |
| PF-13 | Fisher | Fisher selects the type of product presentation and state of processing. | |
| PF-14 | Application | As per the selection of type of product presentation and state of processing application **auto display conversion factor.** | **Refer to MDR list of conversion factor.** |
| PF-15 | Application | Application asks to **mention the weight** of selected type of product. | |
| PF-16 | Fisher | Fisher mentions the weight of selected type of product. | |
| PF-17 | Application | Application calculates and displays the **remaining weight.** | |
| PF-18 | Application | Application checks and confirms if the weight is zero, if yes then proceeds to the next step. | **AF-1: Confirms if the weight is zero.** |
| PF-19 | Application | Application asks fisher to **confirm data entered.** | |
| PF-20 | Fisher | Fisher confirms the data entered. | |
| PF-21 | Application | Application checks if the data entered is correct, if yes. | **AF-2: All data entered is correct.** |
| PF-22 | Application | Then application checks if species are left to add information, if no. | **AF-3: Species are left to add information** |
| PF-23 | Application | Application asks fisher to **confirm/modify the port of landing** or landing site. | **AF-4: Modify port of landing or landing site** |
| PF-24 | Fisher | Fisher confirms the port of landing or landing site. | |
| PF-25 | Application | Application asks to **enter the date and time at the start** of landing | |
| PF-26 | Fisher | Fisher enters the date and time at the start of landing | |

| | | | |
|---|---|---|---|
| PF-27 | Application | Application asks to enter the **date and time of the completion** of landing. | |
| PF-28 | Fisher | Fisher enters the date and time of the completion of landing. | |
| PF-29 | Application | Application asks to enter the **date and time of the weighing.** | |
| PF-30 | Fisher | Fisher enters the date and time of the weighing. | |
| PF-31 | Application | Application asks to enter the **identification number of the operator in charge** of weighing. | |
| PF-32 | Fisher | Fisher enters the identification number of the operator in-charge. | |
| PF-33 | Application | Application displays the summary of the information entered. | |
| PF-34 | Fisher | Fisher review the summary and clicks on confirm to submit landing report. | |
| PF-35 | Application | To maintain integrity of data, application performs **validation checks.** | **AF-5: Application encounter error** |
| PF-36 | Application | During checking application does not encounter any error. | |
| PF-37 | Application | Application displays the icon of submit landing report to submit the report. | |
| PF-38 | Fisher | Fisher clicks on **submit landing report.** | |
| PF-39 | Fisher | Fisher receives the return message from FMC. | |
| PF-40 | Application | Notification of "successful submission of landing report" is received by the fisher. | |

## 2.3. Alternative Path(s)

#### 2.3.1 AF-1: Confirms if the weight is zero.

| Step ID | Actor | Action | Notes and References |
|---|---|---|---|
| AF-A1 | | The entry point is PF-18 of the primary flow. | |
| AF-A2 | Application | Application checks and confirms if the weight is zero, if no | |
| AF-A3 | Application | Then application returns to PF-12 pf primary flow and all the steps of primary path are followed till the remaining weight is zero. | **PF-12 of primary flow.** |

#### 2.3.2 AF-2: All data entered is correct.

| Step ID | Actor | Action | Notes and References |
|---|---|---|---|
| AF-A1 | | The entry point is PF-21 of the primary flow. | |
| AF-A2 | Application | Application checks if the data entered is correct, if no. | |
| AF-A3 | Application | The application **highlights the incomplete or erroneous fields** (in red) and displays an error message with number of error counts. | |
| AF-A4 | Fisher | Fisher corrects the data as per highlighted fields and errors displayed and confirms the data entered. | |
| AF-A5 | Application | Then application returns to PF-19 of primary path and all the steps of primary path are followed and the flow ends. | **PF-19 of primary path** |

#### 2.3.3 AF-3: Species are left to add information

| Step ID | Actor | Action | Notes and References |
|---|---|---|---|
| AF-A1 | | The entry point is PF-22 of the primary flow. | |
| AF-A2 | Application | Application checks if the **species are left to add information**, If yes | |
| AF-A3 | Application | Application **displays species caught in this trip still pending** and asks do you still want to declare? | **EF-1: Species caught in this trip still pending, do you still want to declare?** |
| AF-A4 | Fisher | Fisher wants to add information of pending species and clicks no. | |
| AF-A5 | Application | Then application returns to PF-4 of primary path and all the steps of primary path are followed and the flow ends. | **PF-4 of primary path** |

#### 2.3.4 AF-4: Modify port of landing or landing site

| Step ID | Actor | Action | Notes and References |
|---|---|---|---|

| | | | |
|---|---|---|---|
| AF-A1 | | The entry point is PF-23 of the primary flow. | |
| AF-A2 | Application | Application asks fisher to **select the port of landing** either of two options:<br>**1.** To enter or select the name of the port from the search bar to find the port or landing site.<br>or<br>2. Search nearby port or landing site on map. | **EF-2: Search nearby port or landing site on map.**<br>**Refer to Master Data codes for the ports and landing sites.** |
| AF-A3 | Fisher | Fisher goes with option 1 and enters the name in the search bar and selects the port or landing site. | |
| AF-A4 | Application | Then application returns to PF-25 of primary path and all the steps of primary path are followed and the flow ends. | **PF-25 of primary path** |

#### 2.3.5 AF-5: Application encounter error

| Step ID | Actor | Action | Notes and References |
|---|---|---|---|
| AF-A1 | | The entry point is PF-35 of the primary flow. | |
| AF-A2 | Application | To maintain integrity of data, application performs **validation checks.** | |
| AF-A3 | Application | During checking application encounters error. | |
| AF-A4 | Application | Application **highlights the incomplete or erroneous fields** (in red) and displays an error message with number of error counts. | **EF-3: Cancel submission** |
| AF-A6 | Fisher | Fisher corrects the highlighted fields according to the error displayed and confirms to submit landing report. | |
| AF-A7 | Application | Then application returns to PF-34 of primary path and all the steps of primary path are followed and the flow ends. | **PF-34 of primary path** |

## 2.4. Exception Path(s)

#### 2.4.1 EF-1: Species caught in this trip still pending, do you still want to declare?

| Step ID | Actor | Action | Notes and References |
|---|---|---|---|
| AF-A1 | | The entry point is AF-A3 of the alternate flow AF-3. | |
| AF-A2 | Fisher | The alternate flow is executed if fisher don't want to **add information of pending species** and clicks yes. | |
| AF-A3 | Application | Application highlights the missing information of species and displays “**to be declare later**”. | |
| AF-A4 | Application | Then application returns to AF-A4 of alternate path AF-4 and all the step of primary flow are followed and flow ends. | **AF-A4 of alternate path AF-4** |

#### 2.4.2 EF-2: Search nearby port or landing site on map.

| Step ID | Actor | Action | Notes and References |
|---|---|---|---|
| AF-A1 | | The entry point is AF-A2 of the alternate flow AF-4. | |
| AF-A2 | Fisher | The alternate flow is executed if fisher selects option 2. Search nearby port or landing site on map. | |
| AF-A3 | Application | Application displays **map with current location and suggest nearby ports** and landing sites. | |
| AF-A4 | Fisher | Fisher selects the port of landing or landing site from the map and displays it. | **Refer to Master Data codes for the ports and landing sites.** |
| AF-A5 | Application | Then application returns to step AF-A4 of alternate path AF-4, all the steps of primary path are followed and flow ends. | **AF-A4 of alternate path AF-4** |

#### 2.4.3 EF-3: Cancel Submission

| Step ID | Actor | Action | Notes and References |
|---|---|---|---|
| EF-A1 | | The entry point is AF-A4 of alternate flow AF-5. | |
| EF-A2 | Fisher | Fisher does not wishes to correct the erroneous fields and clicks on **cancel submission** icon. | |
| EF-A3 | Application | Application asks to delete all the catch data. | **EF-4: Delete all catch data** |
| EF-A4 | Fisher | Fisher does not wishes to delete the data and clicks no. | |
| EF-A5 | Application | Then application returns to AF-A7 of alternate path AF-5 and the flow ends. | **AF-A7 of alternate path AF-5** |

#### 2.4.4 EF-4: Delete all catch data

| Step ID | Actor | Action | Notes and References |
|---|---|---|---|
| EF-A1 | | The entry point is EF-A3 of exception path EF-3. | |
| EF-A2 | Application | Application asks to **delete all the catch data.** | |
| EF-A3 | Fisher | Fisher wishes to delete all the catch data and clicks on yes. | |
| EF-A4 | Application | Application deletes the data recorded. This ends the exceptional flow. | |

# 3. Use Case Realisation

## 3.1. Data Attributes

> **Warning**
>
> As we see some changes in the use cases, same will be reflected in the data attributes. It is still in planning phase and are subjected to change.
> **UNDER PROGRESS**

| Entity /Field Name | Data Type | Description | Attributes | Remarks |
|---|---|---|---|---|
| Type | Code | A code describing the type of Fishing_ Activity | *listID*=FLUX_FA_TYPE<br><br>value=LANDING | |
| Identification | Identifier | | | Optional |
| Specified Delimited_Period | | Delimited period defining the start and end date and time of the landing | Start DateTime<br><br>End DateTime<br><br>FLUX_UNIT | The start date/time of the landing is the moment when the physical off-loading of the catches takes place.<br><br>The end date/time is the date and time of completion of the landing, including the weighing.<br><br>End date and time of the landing is always mandatory and the start date and time is mandatory when the landing takes more than 24 hours. |
| SpecifiedFishing_ Trip | | The reference to the trip to which this activity is linked. | SchemeID= EU_TRIP_ID (Unique indentifier)<br><br>ListID= FISHING_TRIP_TYPE | The format is described in MDR code list FA_TRIP_ID_TYPE |
| RelatedFLUX_ Location | Assoc. | A FLUX_ Location related to this fishing activity | ListID=FLUX_LOCATION_TYPE<br><br>The identifier of a country schemeID=TERRITORY<br><br>listID=FLUX_LOCATION_CHARACTERISTIC<br><br>**Area:**<br><br>schemeID=FAO_AREA<br><br>schemeID=STAT_RECTANGLE<br><br>schemeID=EFFORT_ZONE<br><br>schemeID=MANAGEMENT_AREA<br><br>**Port:**<br><br>schemeID=LOCATION<br><br>schemeID=FARM<br><br>**RFMO:**<br><br>listID=RFMO | Port or other location of the MDR location list where the landing takes place.<br><br>Use Type=LOCATION to report where the activity took place.<br><br>If the location is not on the MDR code list, use the closest relevant MDR location.<br><br>In such case is recommended to use in addition the Type=POSITION to specify the exact position of the landing.<br><br>To further specify the location optionally use Type=POSITION or LANDSITE characteristic in case of landing. |

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|---|---|---|---|---|
| SpecifiedFA_ Catch | Assoc. | The catches linked | Use **FA_Catch entity** in case catches were taken<br><br>(Which includes following attributes)<br><br>listID=FA_CATCH_TYPE (Eg: retained on board)<br><br>listID=FAO_SPECIES<br><br>Number_of _Individuals<br><br>FLUX_UNIT = KGM<br><br>listID=WEIGHT_MEANS ( Mandatory if SpeciesCode = BFT)<br><br>**Specified FLUX_ Location** i.e. FLUX_Location<br><br>**DestinationFLUX_Location**<br><br>For **SpecifiedSize_distribution** ListID= FISH_SIZE_CLASS<br><br>*ListID*= FA_BFT_SIZE_CATEGORY<br><br>**Related fishing_trip** (to be used if the catches are on-board,)<br><br>SchemeID= EU_TRIP_ID (Unique identifier for the trip)<br><br>FA_TRIP_ID_TYPE<br><br>**UsedFishing_ Gear** (defined in next column)<br><br>**AppliedAAP_Process** FLUX_PROCESS_TYPE<br><br>*listID*= FISH_PRESENTATION<br><br>*listID*= FISH_PRESERVATION<br><br>*listID*= FISH_FRESHNESS<br><br>**Conversion factor ApplicableFLUX_Characteristic** FA_CHARACTERISTIC “DISCARD_REASON | Use Type=UNLOADED<br><br>Specify product weights and quantities.<br><br>If catches from a previous trip are landed, the unique fishing trip identifier related to the catches must be mentioned.<br><br>**AppliedAAP_Process**<br><br>ListID must be value from code list FLUX_PROCESS_TYPE.<br><br>*listID*= FISH_PRESENTATION for fish presentation codes<br><br>*listID*= FISH_PRESERVATION for fish preservation codes<br><br>*listID*= FISH_FRESHNESS for fish freshness codes |
| SpecifiedFLUX_ Characteristic | | | | Provide at least OP_NAME (name of the operator responsible for weighing) or (identification of the operator responsible for weighing), END_DATE_TIME_WEIGHING and in case weighing takes more than 24 hours also START_DATE_TIME_WEIGHING.<br><br>Each characteristic can only occur once. |

### 3.2. Data Model

### 3.3. Pseudocode

### 3.4. User Interface

## 4. Impact and Risks

### 4.1. Impact

### 4.2. Risks

## 5. Test Cases