

UC-SSF-0301: Departure



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

The departure use case **ensures that fisher can efficiently declare the departure from the port, that enables FMC to track the position of the vessel**. The departure log is essential for tracking fishing activities, ensuring compliance with regulations, and providing accurate data to FMC.

1.1. Goal

Goal of this use case is that it outlines the steps for logging a vessel's departure from the port, that includes generation of new trip ID, date and time of departure, co-ordinates of departing from the port.

1.2. Pre-conditions

1. Fisher **logs in** into the application.
2. Fisher clicks on "Start fishing trip" to enter the departure declaration use-case.

1.3. Post-conditions

1. **Departure information** is successfully **submitted** to the MS FMC.
2. Fisher receives the return message of successful submission of departure declaration.
3. The departure information can be validated and monitored by MS FMC.

1.4. Trigger Event(s)

1.4.1. Primary Actor:

1. Fisher/Master or User of the Vessel

1.4.2. Secondary Actor(s):

1. FMC
2. Application

2. Use Case Details

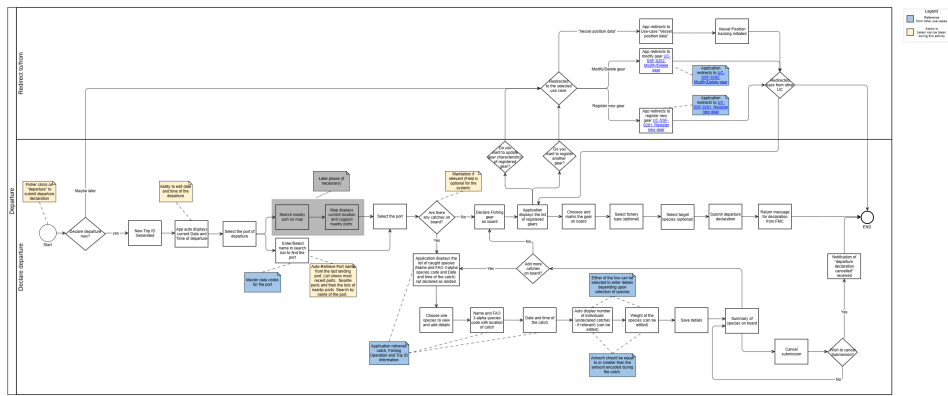


In the activity diagram below:

References from 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 fisher, clicks on "departure" to submit departure declaration.	
PF-2	Application	Asks are you declaring departure now? If yes,	AF-1: Declare departure now?
PF-3	Application	Generates the new trip ID .	
PF-4	Application	Auto displays current date and time of departure .	Date and time of the departure is editable field.
PF-5	Application	Asks fisher to select the arrival to port either of two options: 1. To enter or select the name of the port of arrival from the search bar to find the port or landing site. or 2. Search nearby port or landing site on map (To be developed in later phase if necessary).	AF-2: Search nearby port or landing site on map. In search: List shows most Recent ports or favorite ports and then the lists of nearby ports. Search by name of the port. Refer to Master Data codes for the ports and landing sites.
PF-6	Fisher	Selects option 1 and enters the name in the search bar.	
PF-7	Fisher	Selects the port of departure.	
PF-8	Application	Checks if this is real time report (Departed<1hr ago), if no	AF-3: Checks if this is real time report (Departed<1hr ago).
PF-9	Application	Will know no tracking is required	
PF-10	Application	Asks to select the reason of departure from the list. (determined by MDR list of codes).	
PF-11	Fisher	Selects the reason of departure.	
PF-12	Application	Asks are there any catches on board.	AF-4: Are there any catches on board?
PF-13	Fisher	Doesn't have any catches on board and selects option no from the dropdown.	
PF-14	Application	Asks to declare fishing gear on board.	
PF-15	Fisher	Selects option 'Yes' to declare fishing gear on board.	
PF-16	Application	Displays list of registered gears.	
PF-17	Application	Asks to choose the gear and marks the chosen gear in the list.	
PF-18	Fisher	Chooses the gear from the list.	
PF-19	Application	Provides provision to register another gear if not found in the list. Application asks do you want to register another gear?	AF-6: Asks do you want to register another gear? AF-7: Do you want to update gear characteristics of registered gear?
PF-20	Application	Asks fisher to select fishery type (field is kept optional).	

PF-21	Fisher	If wishes to select, then fisher selects fishery type.	
PF-22	Application	Asks fisher to select target species (field is kept optional).	
PF-23	Fisher	If wishes to select, then fisher selects target species.	
PF-24	Fisher	Clicks on submit departure declaration .	
PF-25	Application	Receives return message for declaration from the FMC and the primary flow ends..	

2.3. Alternative Path(s)

2.3.1 AF-1: Declare departure now?

Step ID	Actor	Action	Notes and References
AF-A1		The entry point is PF-2 of Primary Flow.	
AF-A2	Application	Asks are you declaring departure now? If fisher selects "maybe later",	
AF-A3	Application	Then redirects to the "Vessel position data" use-case to initiate position tracking. This ends the alternate flow.	Refer: UC-SSF-0302: Vessel position data (VMS)



Warning

2.3.2 AF-2: (To be developed in later phases if necessary).

2.3.2 AF-2: Search nearby port or landing site on map

Step ID	Actor	Action	Notes and References
AF-A1		The entry point is PF-4 of Primary Flow.	
AF-A2	Fisher	The alternate flow is executed if fisher selects option 2. Search nearby port on map.	Port should be the last landing port. Auto-Retrieve the port name. In search: List shows most Recent ports or favorite ports and then the lists of nearby ports. Search by name of the port.
AF-A3	Application	Displays map with current location and suggest nearby ports .	
AF-A4	Fisher	Selects the port of departure 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 PF-8 of primary path, all the steps of primary path are followed and flow ends.	PF-8 of primary path

2.3.3 AF-3: Checks if this is real time report (Departed<1hr ago)

Step ID	Actor	Action	Notes and References
AF-A1	Application	The entry point is PF-8 of Primary Flow.	
AF-A2	Application	Checks if this is real time report (Departed<1hr ago). If yes,	
AF-A3	Application	Redirects to "Vessel position data" use case to initiate vessel position tracking.	
AF-A4	Application	Once initiated by the fisher, application redirects back to this use-case. Application returns to step PF-12 of primary path, all the steps of primary path are followed and flow ends.	PF-12 of primary path

2.3.4 AF-4: Are there any catches on board?

Step ID	Actor	Action	Notes and References
AF-A1	Application	The entry point is PF-12 of Primary Flow.	

AF - A2	Fisher	Have catches on board and selects "yes" to proceed.	
AF - A3	Application	Displays the list of caught species that is Name and FAO 3-alpha species code with Date and time of the catch not declared as landed.	Application retrieves catch, Fishing Operation and Trip ID information
AF - A4	Application	Displays the option to choose one species to view and add details.	
AF - A5	Fisher	Chooses the one option to view and add details.	
AF - A6	Application	Application auto retrieves Name and FAO 3-alpha species code.	Application retrieves catch, Fishing Operation and Trip ID information
AF - A7	Application	Auto retrieves Date and time of the catch	Application retrieves catch, Fishing Operation and Trip ID information
AF - A8	Application	Auto retrieves and displays undeclared number of individuals also asks to edit (If relevant).	Either of the two options can be selected to enter the details (either number of individuals or weight of species) depending upon the selected species. Amount should be equal to or smaller than the amount encoded during the catch.
AF - A9	Fisher	Edits the number of individuals.	
AF - A10	Application	Auto retrieves and displays the weight of the species also asks to edit (If required).	Amount should be equal to or smaller than the amount encoded during the catch.
AF - A11	Fisher	Edits the weight of the species.	
AF - A12	Application	Displays the options Save details.	
AF - A13	Fisher	Clicks on save details.	
AF - A14	Application	Displays the summary of the species on board and also displays cancel submission.	AF-8: Cancel Submission
AF - A15	Application	Asks to add more catches on board.	AF-5: Add more catches on board?
AF - A16	Fisher	Doesn't have any catches on board to declare and selects "No" from the dropdown.	
AF - A17	Application	Then application returns to step PF-14 of primary path, all the steps of primary path are followed and flow ends.	PF-14 of primary path

2.3.5 AF-5: Add more catches on board?

Step ID	Actor	Action	Notes and References
AF-A1	Application	The entry point is AF-A15 of Alternate Flow AF-4.	
AF-A2	Fisher	Have more catches on board and selects "yes" to proceed.	
AF-A3	Application	Then application returns to step AF-A3 of alternate path AF-4, all the steps of alternate path are followed and flow ends.	AF-A3 of alternate path AF-4

2.3.6 AF-6: Asks do you want to register another gear?

Step ID	Actor	Action	Notes and References
AF-A1	Application	The entry point is PF-19 of primary path.	
AF-A2	Application	Asks do you want to register another gear?	
AF-A3	Fisher	Wishes to register another gear and selects "Yes".	

AF-A4	Application	Application redirects to the "Register New Gear" use case.	Refer: UC-SSF-0201: Register new gear.
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2.3.7 AF-7: Do you want to update gear characteristics of registered gear?

Step ID	Actor	Action	Notes and References
AF-A1	Application	The entry point is PF-19 of primary path.	
AF-A2	Application	Asks do you want to update gear characteristics of registered gear?	
AF-A3	Fisher	Wishes to update gear characteristics and selects "Yes".	
AF-A4	Application	Application redirects to the "Modify/Delete Gear" use case.	Refer: UC-SSF-0202: Modify/Delete gear

2.3.8 AF-8: Cancel Submission

Step ID	Actor	Action	Notes and References
AF-A1		The entry point is AF-A15 of alternate path AF-4.	
AF-A2	Fisher	The alternate path is executed if fisher clicks on cancel submission.	
AF-A3	Application	Asks fisher, if fisher wish to cancel submission .	EF-1: Wish to cancel the submission
AF-A4	Fisher	Does not wishes to cancel and selects no.	
AF-A5	Application	Returns to step AF-A15 of alternate path AF-4, all the steps of alternate path is followed and flow ends.	AF-A15 of alternate path AF-4

2.4. Exception Path(s)

2.4.1 EF-1: Wish to cancel the submission

Step ID	Actor	Action	Notes and References
EF-A1		The entry point is AF-A3 of alternate flow AF-8.	
EF-A2	Fisher	The exception flow is executed if fisher wishes to cancel the submission and clicks yes.	
EF-A3	Application	Fisher receives the notification " departure declaration cancelled " and the flow ends.	

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.

Entity/Field Name	Date Type	Description	Attribute	Remarks
		Describes the type of Fishing_ Activity	<i>listID=</i> FA_TYPE	
			value=DEPARTURE	
Occurrence	Date Time	UTC Date and time of departure		
Reason	Code	The code specifying the reason for the departure	<i>listID=</i> FA_REASON_DEPARTURE	Optional Field. Use to indicate the anticipated activity of the vessel at the time of departure.
Fishery_ Type	Code	The code specifying a type of fishery for this fishing activity.	<i>listID=</i> FA_FISHERY	Optional.
Species_ Target	Code	The code specifying a species targeted for this fishing activity.	<i>listID=</i> FAO_SPECIES <i>listID=</i> TARGET_SPECIES_GROUP	Optional.
SpecifiedFishing_ Trip		The reference to the trip in which this activity took place	See the following table.	

RelatedFLUX_Location		A Location related to this fishing activity	<p>ListID=FLUX_LOCATION_TYPE</p> <p>The identifier of a country schemeID=TERRITORY</p> <p>listID=FLUX_LOCATION_CHARACTERISTIC</p> <p>Area:</p> <p>schemeID=FAO_AREA</p> <p>schemeID=STAT_RECTANGLE</p> <p>schemeID=EFFORT_ZONE</p> <p>schemeID=MANAGEMENT_AREA</p> <p>Port:</p> <p>schemeID=LOCATION</p> <p>schemeID=FARM</p> <p>RFMO:</p> <p>listID=RFMO</p>	<p>For FLUX_LOCATION_TYPE</p> <p>Use Type=LOCATION when the vessel leaves from a port or other location on the location list on MDR.</p> <p>Use Type= POSITION to report catches or activities at a certain geographical location (fisheries under ICCAT or GFCM rules).</p> <p>Use Type= AREA (to report catches per relevant geographical area)</p>
SpecifiedFA_Catch		The catch on board the vessel at departure	<p>Use FA_Catch entity</p> <p>(Which includes following attributes)</p> <p>listID=FA_CATCH_TYPE (Eg: retained on board)</p> <p>listID=FAO_SPECIES</p> <p>Number_of_Individuals</p> <p>FLUX_UNIT = KGM</p> <p>listID=WEIGHT_MEANS (Mandatory if SpeciesCode = BFT)</p> <p>Specified FLUX_Location i.e. FLUX_Location</p> <p>DestinationFLUX_Location</p> <p>For SpecifiedSize_distribution</p> <p>ListID= FISH_SIZE_CLASS</p> <p>ListID= FA_BFT_SIZE_CATEGORY</p> <p>Related fishing_trip (to be used if the catches are on-board,)</p> <p>SchemeID= EU_TRIP_ID (Unique identifier for the trip)</p> <p>FA_TRIP_ID_TYPE</p> <p>UsedFishing_Gear (defined in next column)</p> <p>AppliedAAP_Process</p> <p>ApplicableFLUX_Characteristic</p> <p>FA_CHARACTERISTIC "DISCARD_REASON"</p>	<p>If catches from a previous trip are on board at departure, the fishing trip identifier of the previous trip must be mentioned.</p> <p>Number_of_Individuals: mandatory and depends on type of species.</p> <p>ApplicableFLUX_Characteristic: The reason for discard and where needed the state of the sensitive species</p>
SpecifiedFishing_Gear		The gear on board the vessel at departure	<p>listID= GEAR_TYPE</p> <p>listID=FA_GEAR_ROLE</p> <p>UsedFishing_Gear</p> <p>value=DEPLOYED;</p> <p>Type=FISHING_OPERATION</p> <p>value=ONBOARD when the FishingActivity Type=DEPARTURE, ARRIVAL</p>	

SpecifiedFishing_Trip

Entity/Field Name	Data Type	Description	Attributes	Remarks
Identification	Identifier	The unique identifier of the fishing trip	SchemeID= EU_TRIP_ID	<p>The format is described in MDR code list FA_TRIP_ID_TYPE</p> <p>The <i>schemeID</i> of the identifier must always be provided.</p>

Type	Code	The code specifying the type of trip for this activity	ListID= FISHING_TRIP_TYPE	e.g. Use value=JFO for trips with BFT joint fishing operations
Specified Delimited_Period		The delimited period within which this trip occurs.		Mandatory in case of a prior notification or arrival:

3.2. Data Model

3.3. Pseudocode

3.4. User Interface

4. Impact and Risks

4.1. Impact

4.2. Risks

5. Test Cases