



Fisheries and Oceans
Canada

Pêches et Océans
Canada

Fact sheet

ELOG - Logbook - Urchin, Sea Cucumber, Marine Plants and Hunting

All DFO regions

(FS-NAT-236-EN)

July 12th, 2023

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1. Introduction

The fact sheet details the functional rules that client logbook applications must follow based on a specific version of a form and its subforms. The fact sheet may also set out instructions that aim to specify the nature of some elements of the logbook.

The business rules contained in this fact sheet apply to the client applications developed to enable the entry of the electronic logbook information identified in Section 2.

The rules in this fact sheet complement those established in the form¹. Data elements that must contain a value in the XML file for all subforms are identified using a “Y” in column “REQUIRED?” of the form¹ (see [Standard for the development of electronic logbook client applications](#), section 3.4 for more details on the forms).

A subform is a subset of the main form elements. Subforms have been developed based on paper logbooks. Fish harvesters will have to select the subform. This will allow the client application to limit the list of information requested by DFO depending on the selected subform.

Observance of the rules set out in this document and in the form¹ will be verified during the client application qualification process (see [Client application qualification program](#) for details). All rules identified by a rule number must be implemented in the ELOG client application. If the rule is not respected by the user, the ELOG client application must display an error and allow the client to correct the error.

2. Applicable form type and form version

| Form type | Form version identifier |
|--|-------------------------|
| ELOG - Logbook - Urchin, Sea Cucumber, Marine Plants and Hunting | 236 |

3. Fact sheet validity date

| Version | Valid since | Expiry date |
|---------|-------------|-------------|
| 236.1 | 2022-12-22 | |

4. Change history

| Version | Date | Description of change |
|---------|------------|---------------------------|
| 236.1 | 2022-12-22 | Creation of version 236.1 |

¹ See document 43829.236.NATIONAL - ELOG - Logbook - Urchin_SeaCucumber_Plants_Hunt - JBE - Journal de bord - Oursin_ConcombresDeMer_Plantes_Chasse.csv

5. General rules

The general rules identified in this section must be followed by all ELOG client applications which allow the production of logbooks whose type and version are identified in point 2 (ELOG - Logbook - Urchin, Sea Cucumber, Marine Plants and Hunting, version 236).

5.1.Data transmission

See section “Data transmission” of document “Standard for development of electronic logbook client applications” that can be found on the DFO Extranet site for **Developers** ([Documents for developers \(Toolbox\)](#)).

5.2.Functional rules

The functional rules in this section are intended to identify the rules that must be met by the ELOG client application for all Urchin, Sea Cucumber, Marine Plants and Hunting logbooks (Form version 236).

5.2.1. Closure of data groups

The ELOG client application must allow the individual closure of the each occurrence of the following data groups if the data group is used:

| Rule no. | Data group |
|----------|------------|
| 1500 | EFFORT |
| 1503 | SAR |
| 1505 | PCONS |
| 1506 | HLIN |
| 1507 | HLOUT |
| 1508 | LANDING |
| 1509 | GEAR_INFO |
| 1511 | TRANSFER |

5.2.2. Minimal composition of data groups

The data groups included in the **XML file** must comply with the following rules:

| General rules – Minimal composition of data groups | | |
|--|-------------------|--|
| Rule No. | Rule No. | Rule No. |
| 1000 | Elog | <ul style="list-style-type: none"> - Must contain at least one occurrence of the node Trip - Must contain one occurrence of the node General_info |
| 1001 | Effort | If this data group is used: <ul style="list-style-type: none"> - Must contain at least one occurrence of the node Effort - Must contain at least one occurrence of the node Tgt_species - Must contain at least one occurrence of the node Effort_by_gear - Must contain at least one occurrence of the node Effort_detail - Must contain at least one occurrence of the node Catch |
| 1002 | Sar | If this data group is used: <ul style="list-style-type: none"> - Must contain at least one occurrence of the node Sar |
| 1003 | Landing | If this data group is used: <ul style="list-style-type: none"> - Must contain at least one occurrence of the node Landing |
| 1004 | Pcons | If this data group is used: <ul style="list-style-type: none"> - Must contain at least one occurrence of the node Pcons |
| 1007 | Hlin | If this data group is used: <ul style="list-style-type: none"> - Must contain at least one occurrence of the node Hlin |
| 1009 | Hlout | If this data group is used: <ul style="list-style-type: none"> - Must contain at least one occurrence of the node Hlout |
| 1018 | (All data groups) | If a data group is not required by DFO nor used by the harvester, it should not appear in the XML file. |
| 1029x | Gear_info | If this data group is used: <ul style="list-style-type: none"> - Must contain at least one occurrence of the node Gear_info |
| 1032 | Transfer | If this data group is used: <ul style="list-style-type: none"> - Must contain at least one occurrence of the node Transfer - Must contain at least one occurrence of the node Transfer_dtl - Must contain at least one occurrence of the node Transfer_dtl_ctnr |

5.2.3. Restrictions on data groups

| General rules – Restrictions on data groups | | |
|---|---|--|
| Rule No. | Rule No. | Rule No. |
| 2020 | EFFORT (nodes TGT_SPECIES and CATCH) | <p>There must be at least one occurrence of the Catch node for which the species caught (Catch.specie_id) is equal to the target species (Tgt_species.specie_id), even if there was no catch.</p> <p>When there has been no catch during the fishing effort, the fisher must enter 0 in the quantity kept (Catch.Kept_wt).</p> |

5.2.4. Additional rules concerning the data groups

| General rules – Additional rules concerning data groups | | |
|---|------------|--|
| Rule No. | Data group | Rule |
| 1050 | EFFORT | <p>The client application <u>must not limit</u> the number of occurrences of the data group EFFORT that can be captured by the user **.</p> <p>**In some situations, more than one licence of a same type may be used during a fishing trip. If this happens, the fisher may be asked to declare the catches and efforts, licence by licence, in separated EFFORT data groups in the same logbook.</p> |

5.2.5. Restrictions on data elements

Note: The following restrictions apply only if the node identified in the “Node(s)” column is used.

| General rules – restrictions on data elements | | | |
|---|-----------|--------------|--|
| Rule No. | Node(s) | Element(s) | Rule |
| 608 | All nodes | All elements | <p>A sub-form (General_info.Subform_id) will have to be selected by the fish harvester.</p> <p>Document named “Subforms_requirements_236.xlsx” list the requirements (Mandatory/Optional/Blocked) for all the elements of the form per sub-forms.</p> <p>These requirements must be considered as integral part of this fact sheet, so, must be taken in account during the development of the client application and applied if the sub-form is selected by the fisher.</p> <p>The requirement “Blocked” identified in this document have the priority over all the other rules listed in this fact sheet.</p> <p>Blocked elements identified in this document will never be “unblocked” by other rules. Validations that refers to a blocked element are not applicable.</p> <p>Requirements about elements identified as “Optional” may be modified by other rules under certain conditions identified in rules.</p> <p>If all the elements composing a data group of a sub-form are marked as “Blocked”, then the data group must be blocked for the sub-form.</p> |

| General rules – restrictions on data elements | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|------------------------|--------------------|-----|--|----|-----------------|-----|-------------------|-----|-------------------|-----|--------------------|-----|--------------------------|-----|-----------------------|-----|--------------------|-----|------------------------|
| Rule No. | Node(s) | Element(s) | Rule | | | | | | | | | | | | | | | | | | | | |
| 601 | SAR HLIN HLOUT GEAR_INFO PCONS EFFORT LANDING TRANSFER | DG_CLOSE_DT | The date and time of data group closure (<i>node.Dg_close_dt</i>) must be between the trip start date and time (Trip.Start_dt) and the current date and time (UTC). | | | | | | | | | | | | | | | | | | | | |
| 789 | SAR | NB_SPCMN WT | In the client application, these elements must have an initial value equal to “null” (empty). If the user wants to declare a quantity (0 or greater than 0) using this element, then the value must be entered manually by the user. A null or empty value must not be interpreted as a 0 by the client application. | | | | | | | | | | | | | | | | | | | | |
| | CATCH | NB_SPCMN_CGHT KEPT_WT NB_CTNR DISC_WT SPCMN_CGHT_WT | | | | | | | | | | | | | | | | | | | | | |
| | PCONS | WT | | | | | | | | | | | | | | | | | | | | | |
| | TRANSFER_DTL | GROSS_WT | | | | | | | | | | | | | | | | | | | | | |
| | TRANSFER_DTL_CTNR | NB_CTNR | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 602 | EFFORT | SAR_IND LOST_GEAR_IND MM_INTER_IND | In the client application, these elements must have an initial value equal to “null” (empty). The value must be entered manually by the user. A null or empty value must not be interpreted as a ‘Yes’ or ‘No’ by the client application. | | | | | | | | | | | | | | | | | | | | |
| 1 | GENERAL_INFO | FORM_VER_ID | Only this value must be available and considered valid: <table><tr><th><u>Form_version_id</u></th><th><u>Description</u></th></tr><tr><td>236</td><td>ELOG - Logbook - Urchin, Sea Cucumber, Marine Plants and Hunting</td></tr></table> Ref table : Mv_form_version | <u>Form_version_id</u> | <u>Description</u> | 236 | ELOG - Logbook - Urchin, Sea Cucumber, Marine Plants and Hunting | | | | | | | | | | | | | | | | |
| <u>Form_version_id</u> | <u>Description</u> | | | | | | | | | | | | | | | | | | | | | | |
| 236 | ELOG - Logbook - Urchin, Sea Cucumber, Marine Plants and Hunting | | | | | | | | | | | | | | | | | | | | | | |
| 609 | GENERAL_INFO | SUBFORM_ID | Only this value must be available and considered valid: <table><tr><th><u>Subform_id</u></th><th><u>Description</u></th></tr><tr><td>98</td><td>QC - Seal</td></tr><tr><td>99</td><td>QC - Sea Urchin</td></tr><tr><td>100</td><td>QC - Marine Plant</td></tr><tr><td>101</td><td>QC - Sea Cucumber</td></tr><tr><td>102</td><td>MAR - Sea Cucumber</td></tr><tr><td>103</td><td>MAR - NS-SWNB Sea Urchin</td></tr><tr><td>104</td><td>MAR - NS Marine Plant</td></tr><tr><td>105</td><td>PAC - Sea Cucumber</td></tr><tr><td>106</td><td>PAC - Green Sea Urchin</td></tr></table> | <u>Subform_id</u> | <u>Description</u> | 98 | QC - Seal | 99 | QC - Sea Urchin | 100 | QC - Marine Plant | 101 | QC - Sea Cucumber | 102 | MAR - Sea Cucumber | 103 | MAR - NS-SWNB Sea Urchin | 104 | MAR - NS Marine Plant | 105 | PAC - Sea Cucumber | 106 | PAC - Green Sea Urchin |
| <u>Subform_id</u> | <u>Description</u> | | | | | | | | | | | | | | | | | | | | | | |
| 98 | QC - Seal | | | | | | | | | | | | | | | | | | | | | | |
| 99 | QC - Sea Urchin | | | | | | | | | | | | | | | | | | | | | | |
| 100 | QC - Marine Plant | | | | | | | | | | | | | | | | | | | | | | |
| 101 | QC - Sea Cucumber | | | | | | | | | | | | | | | | | | | | | | |
| 102 | MAR - Sea Cucumber | | | | | | | | | | | | | | | | | | | | | | |
| 103 | MAR - NS-SWNB Sea Urchin | | | | | | | | | | | | | | | | | | | | | | |
| 104 | MAR - NS Marine Plant | | | | | | | | | | | | | | | | | | | | | | |
| 105 | PAC - Sea Cucumber | | | | | | | | | | | | | | | | | | | | | | |
| 106 | PAC - Green Sea Urchin | | | | | | | | | | | | | | | | | | | | | | |

| General rules – restrictions on data elements | | | | | | | | | | | | | |
|---|--------------------|------------|---|----------------|--------------------|------|--------------|------|-----------|------|--------|------|---------|
| Rule No. | Node(s) | Element(s) | Rule | | | | | | | | | | |
| | | | 107 PAC - Red Sea Urchin 108 NL - Sea Urchin 109 NL - Sea Cucumber 110 NL - Seal Ref table : Mv_subforms | | | | | | | | | | |
| 2 | GENERAL_INFO | REG_ID | Only this value must be available and considered valid: <table><tr><th><u>Code id</u></th><th><u>Description</u></th></tr><tr><td>1002</td><td>Newfoundland</td></tr><tr><td>1004</td><td>Maritimes</td></tr><tr><td>1006</td><td>Quebec</td></tr><tr><td>1010</td><td>Pacific</td></tr></table> Ref table : Mv_dfo_region | <u>Code id</u> | <u>Description</u> | 1002 | Newfoundland | 1004 | Maritimes | 1006 | Quebec | 1010 | Pacific |
| <u>Code id</u> | <u>Description</u> | | | | | | | | | | | | |
| 1002 | Newfoundland | | | | | | | | | | | | |
| 1004 | Maritimes | | | | | | | | | | | | |
| 1006 | Quebec | | | | | | | | | | | | |
| 1010 | Pacific | | | | | | | | | | | | |
| 260 | GENERAL_INFO | FIN | The Fisher Identification Number (General_info.Fin) must be made up of : - Nine digits (e.g.: 999999999) or - One digit then one uppercase letter then seven digits (e.g.: 9D9999999). The letter must be C or D. or - Five digits (e.g.: 99999) or - Six digits (e.g.: 999999) or -“DFOCC” followed by up to 9 digits (e.g.: DFOCC123456789). | | | | | | | | | | |
| 265 | TRIP | START_DT | The trip start date and time (Trip.Start_dt) (UTC) cannot be later than the current UTC date and time plus 6 hours. | | | | | | | | | | |
| 48 | TRIP | TRIP_NUM | A new trip number (Trip.Trip_num) must be allocated automatically and sequentially for each new fishing trip. | | | | | | | | | | |
| 181 | TRIP | LGBK_UID | The logbook unique identifier must be made up of six uppercase letters (A-Z) randomly generated. If possible, make sure the logbook unique identifier has never been used before by any of your clients. | | | | | | | | | | |
| 11 | SAR | SAR_DT | The date and time of the interaction with a species at risk (Sar.Sar_dt) must be later than or equal to the trip start date (Trip.Start_dt). | | | | | | | | | | |
| | TRIP | START_DT | | | | | | | | | | | |
| 12 | SAR | SAR_DT | The date and time of the interaction with a species at risk (Sar.Sar_dt) must be before or equal to the current date and time (UTC), at the time of entry. | | | | | | | | | | |

| General rules – restrictions on data elements | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|---|----------------|--------------------|-------|----------------------------------|-------|--------------------------|-------|--|-------|------------------------------|-------|----------------------------------|-------|-------------------------------|-------|---|-------|-----------------|-------|-----------------------------------|-------|----------------------|-------|-----------------------------|-------|-----------------|-------|---------------------------------|-------|-----------------------------|-------|-----------------|-------|--------------|-------|------------------------------------|-------|---------------------------------|-------|----------|
| Rule No. | Node(s) | Element(s) | Rule | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 613 | SAR | LAT | These latitudes must be greater than or equal to 40.0000 (deg) and less than or equal to 70.0000 (deg). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EFFORT_DETAIL | START_LAT END_LAT START_DEPL_LAT END_DEPL_LAT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 614 | SAR | LONG | These longitudes must be greater than or equal to -165.0000 (deg) and less than or equal to -35.0000 (deg). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EFFORT_DETAIL | START_LONG END_LONG START_DEPL_LONG END_DEPL_LONG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | HLIN | HLIN_CIE_ID | <p>Only these values must be available and considered valid:</p> <table><thead><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr></thead><tbody><tr><td>25094</td><td>Archipelago Marine Research Ltd.</td></tr><tr><td>25095</td><td>Atlantic Catch Data Ltd.</td></tr><tr><td>25096</td><td>Barrington Catch Monitoring Centre Association</td></tr><tr><td>25097</td><td>Baywatch Dockside Monitoring</td></tr><tr><td>25098</td><td>Chéticamp Monitoring Association</td></tr><tr><td>25099</td><td>D&D Pacific Fisheries Limited</td></tr><tr><td>38485</td><td>Department of Fisheries and Oceans-Newfoundland and Labrador Region</td></tr><tr><td>39493</td><td>Ecotrust Canada</td></tr><tr><td>25101</td><td>Fish Harvesters' Resources Centre</td></tr><tr><td>25105</td><td>Island Weigh 95 Inc.</td></tr><tr><td>25106</td><td>JO Thomas & Associates Ltd.</td></tr><tr><td>11685</td><td>Kémer 2000 Inc.</td></tr><tr><td>38495</td><td>M. C. Wright and Associated Ltd</td></tr><tr><td>39494</td><td>Ocean Catch Monitoring Inc.</td></tr><tr><td>25107</td><td>Pèse-Pêche Inc.</td></tr><tr><td>11682</td><td>Res-mar Inc.</td></tr><tr><td>44478</td><td>Seal Hail Call Centre (Answer 365)</td></tr><tr><td>38498</td><td>Sea Tracker Dockside Monitoring</td></tr><tr><td>11683</td><td>Seaweigh</td></tr></tbody></table> <p>Ref table: Mv_service_provider</p> | <u>Code_id</u> | <u>Description</u> | 25094 | Archipelago Marine Research Ltd. | 25095 | Atlantic Catch Data Ltd. | 25096 | Barrington Catch Monitoring Centre Association | 25097 | Baywatch Dockside Monitoring | 25098 | Chéticamp Monitoring Association | 25099 | D&D Pacific Fisheries Limited | 38485 | Department of Fisheries and Oceans-Newfoundland and Labrador Region | 39493 | Ecotrust Canada | 25101 | Fish Harvesters' Resources Centre | 25105 | Island Weigh 95 Inc. | 25106 | JO Thomas & Associates Ltd. | 11685 | Kémer 2000 Inc. | 38495 | M. C. Wright and Associated Ltd | 39494 | Ocean Catch Monitoring Inc. | 25107 | Pèse-Pêche Inc. | 11682 | Res-mar Inc. | 44478 | Seal Hail Call Centre (Answer 365) | 38498 | Sea Tracker Dockside Monitoring | 11683 | Seaweigh |
| <u>Code_id</u> | <u>Description</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25094 | Archipelago Marine Research Ltd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25095 | Atlantic Catch Data Ltd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25096 | Barrington Catch Monitoring Centre Association | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25097 | Baywatch Dockside Monitoring | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25098 | Chéticamp Monitoring Association | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25099 | D&D Pacific Fisheries Limited | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38485 | Department of Fisheries and Oceans-Newfoundland and Labrador Region | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39493 | Ecotrust Canada | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25101 | Fish Harvesters' Resources Centre | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25105 | Island Weigh 95 Inc. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25106 | JO Thomas & Associates Ltd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11685 | Kémer 2000 Inc. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38495 | M. C. Wright and Associated Ltd | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39494 | Ocean Catch Monitoring Inc. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25107 | Pèse-Pêche Inc. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11682 | Res-mar Inc. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44478 | Seal Hail Call Centre (Answer 365) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38498 | Sea Tracker Dockside Monitoring | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11683 | Seaweigh | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| General rules – restrictions on data elements | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--------------------|--|----------------|--------------------|-------|----------------------------------|-------|--------------------------|-------|--|-------|------------------------------|-------|-------------------------------|-------|---|-------|---|-------|-----------------|-------|-----------------------------|-------|---------------------------------|-------|-------------------------------------|-------|------------------------------------|
| Rule No. | Node(s) | Element(s) | Rule | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | HLOUT | HLOUT_CIE_ID | <p>Only these values must be available and considered valid:</p> <table><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr><tr><td>25094</td><td>Archipelago Marine Research Ltd.</td></tr><tr><td>25095</td><td>Atlantic Catch Data Ltd.</td></tr><tr><td>25096</td><td>Barrington Catch Monitoring Centre Association</td></tr><tr><td>25097</td><td>Baywatch Dockside Monitoring</td></tr><tr><td>25099</td><td>D&D Pacific Fisheries Limited</td></tr><tr><td>25110</td><td>Department of Fisheries and Oceans-Maritimes Region</td></tr><tr><td>38485</td><td>Department of Fisheries and Oceans-Newfoundland and Labrador Region</td></tr><tr><td>39493</td><td>Ecotrust Canada</td></tr><tr><td>25106</td><td>JO Thomas & Associates Ltd.</td></tr><tr><td>38495</td><td>M. C. Wright and Associated Ltd</td></tr><tr><td>39551</td><td>Pacific Coast Fishery Services Inc.</td></tr><tr><td>44478</td><td>Seal Hail Call Centre (Answer 365)</td></tr></table> <p>Ref table: Mv_Service_provider</p> | <u>Code_id</u> | <u>Description</u> | 25094 | Archipelago Marine Research Ltd. | 25095 | Atlantic Catch Data Ltd. | 25096 | Barrington Catch Monitoring Centre Association | 25097 | Baywatch Dockside Monitoring | 25099 | D&D Pacific Fisheries Limited | 25110 | Department of Fisheries and Oceans-Maritimes Region | 38485 | Department of Fisheries and Oceans-Newfoundland and Labrador Region | 39493 | Ecotrust Canada | 25106 | JO Thomas & Associates Ltd. | 38495 | M. C. Wright and Associated Ltd | 39551 | Pacific Coast Fishery Services Inc. | 44478 | Seal Hail Call Centre (Answer 365) |
| <u>Code_id</u> | <u>Description</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25094 | Archipelago Marine Research Ltd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25095 | Atlantic Catch Data Ltd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25096 | Barrington Catch Monitoring Centre Association | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25097 | Baywatch Dockside Monitoring | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25099 | D&D Pacific Fisheries Limited | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25110 | Department of Fisheries and Oceans-Maritimes Region | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38485 | Department of Fisheries and Oceans-Newfoundland and Labrador Region | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39493 | Ecotrust Canada | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25106 | JO Thomas & Associates Ltd. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38495 | M. C. Wright and Associated Ltd | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39551 | Pacific Coast Fishery Services Inc. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44478 | Seal Hail Call Centre (Answer 365) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 663 | HLOUT | HLOUT_CIE_ID | <p>The French description corresponding to code 25110 of table Mv_service_provider shall be replaced by “MPO Maritimes - Système interactif de reconnaissance vocale (IRV)”</p> <p>The English description corresponding to code 25110 of table Mv_service_provider shall be replaced by « DFO Maritimes – Interactive Voice Recognition (IVR) system”</p> <p>Table de référence : Mv_Service_provider</p> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | EFFORT | START_DT | The effort start date and time (Effort.Start_dt) must be equal to or before the current date and time (UTC), at the time of entry. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | EFFORT | START_DT END_DT | The effort end date and time (Effort.End_dt) must be later than or equal to the effort start date and time (Effort.Start_dt). | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 603 | EFFORT | SAR_IND | <p>The label of this element must be:</p> <p><u>French:</u> Y a-t-il eu interaction avec une espèce en péril durant cet effort de pêche?</p> | | | | | | | | | | | | | | | | | | | | | | | | | | |

| General rules – restrictions on data elements | | | |
|---|---------|---------------|---|
| Rule No. | Node(s) | Element(s) | Rule |
| | | | <u>English:</u> Was there any interaction with a species at risk during this fishing effort? |
| 604 | EFFORT | SAR_IND | When the answer is 'Yes' (Effort.Sar_ind='Y'), then the following message must be displayed: <u>French:</u> Veuillez compléter la section concernant les interactions avec une espèce en péril. <u>English:</u> Please, complete the section concerning species at risk interactions. |
| 606 | EFFORT | LOST_GEAR_IND | The label of this element must be: <u>French:</u> Avez-vous perdu ou retrouvé un de vos engins de pêche durant cet effort de pêche? <u>English:</u> Did you lose or find any of your fishing gear during this fishing effort? |
| 607 | EFFORT | LOST_GEAR_IND | When the answer is 'Yes' (Effort.Lost_gear_ind='Y'), then the following message must be displayed: <u>French:</u> Veuillez compléter la déclaration concernant les engins de pêche perdus ou retrouvés <u>English:</u> Please, complete the declaration concerning gears that were lost or found. Ref table: Mv_response |

| General rules – restrictions on data elements | | | |
|---|----------------|--------------|---|
| Rule No. | Node(s) | Element(s) | Rule |
| 780 | EFFORT | MM_INTER_IND | <p>The label of this element must be:</p> <p><u>French:</u> Y a-t-il eu interaction avec un mammifère marin durant cet effort de pêche?</p> <p><u>English:</u> Was there any interaction with a marine mammal during this fishing effort?</p> <p>Ref table: Mv_response</p> |
| 781 | EFFORT | MM_INTER_IND | <p>When the answer is 'Yes' (Effort.Mm_Inter_Ind ='Y'), then the following message must be displayed:</p> <p><u>French:</u> Veuillez compléter la section concernant les interactions avec un mammifère marin.</p> <p><u>English:</u> Please, complete the section concerning marine mammal interactions.</p> <p>Ref table: Mv_response</p> |
| 826 | GENERAL_INFO | SUBFORM_ID | <p>Only these targeted species must be available and considered valid for the sub-form:</p> <p>(see appendix A)</p> <p>Ref table: Mv_species, Mv_subforms</p> |
| | TGT_SPECIES | SPECIE_ID | |
| 35 | EFFORT_BY_GEAR | GEAR_ID | <p>Only these fishing gears must be available and considered valid for the sub-form:</p> <p>(see appendix B)</p> <p>Ref table: Mv_gear_description, Mv_subforms</p> |
| | GENERAL_INFO | SUBFORM_ID | |
| 45 | LANDING | START_DT | <p>The landing date and time (Landing.Start_dt) must be later than or equal to the trip start date (Trip.Start_dt).</p> |
| | TRIP | START_DT | |
| 46 | LANDING | START_DT | <p>The landing date and time (Landing.Start_dt) must be later than or equal to the end date of the last fishing effort date and time (Effort.End_dt).</p> |
| | EFFORT | END_DT | |
| 825 | PCONS | SPECIE_ID | |

| General rules – restrictions on data elements | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----------------------------|---------------|---|----------------|--------------------|------|----------------|------|-------------|------|------------------|------|----------------|------|------------------|------|---------------|------|--------|------|--------------------|------|-------------------|------|--------------------|------|------------------------|-------|-------------------------|-------|-----------------|-------|--------------|-------|-------------|-------|-----------------------------|
| Rule No. | Node(s) | Element(s) | Rule | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | GENERAL_INFO | SUBFORM_ID | Only these species must be available and considered valid for the sub-form: (see appendix C) Ref table: Mv_species, Mv_subforms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 849 | TRANSFER_DTL | SPECIE_ID | Only these species must be available and considered valid for the sub-form: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | GENERAL_INFO | SUBFORM_ID | (see appendix C) Ref table: Mv_species, Mv_subforms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 933 | CATCH PCONS | SPECIE_FRM_ID | Only these forms of specie product must be available and considered valid for the sub-form: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | GENERAL_INFO | SUBFORM_ID | (see appendix D) Ref table: Mv_species_product_form, Mv_subforms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | TRIP | START_DT | The start date and time of the trip (Trip.Start_dt) cannot take place after the effort start date and time (Effort.Start_dt) of any of the efforts of this trip. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EFFORT | START_DT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | SAR | SPECIE_ID | Only these values must be available and considered valid: <table><thead><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr></thead><tbody><tr><td>1335</td><td>Shark, Basking</td></tr><tr><td>1337</td><td>Shark, Blue</td></tr><tr><td>1344</td><td>Shark, Greenland</td></tr><tr><td>1348</td><td>Mako, Shortfin</td></tr><tr><td>1358</td><td>Shark, Porbeagle</td></tr><tr><td>1363</td><td>Bass, Striped</td></tr><tr><td>1372</td><td>Beluga</td></tr><tr><td>1375</td><td>Wolffish, Northern</td></tr><tr><td>1382</td><td>Wolffish, Spotted</td></tr><tr><td>1383</td><td>Wolffish, Atlantic</td></tr><tr><td>4561</td><td>Turtle, Loggerhead Sea</td></tr><tr><td>10561</td><td>Turtle, Leatherback Sea</td></tr><tr><td>13276</td><td>Shark, Thresher</td></tr><tr><td>14009</td><td>Shark, White</td></tr><tr><td>14197</td><td>Whale, Blue</td></tr><tr><td>15620</td><td>Whale, North Atlantic Right</td></tr></tbody></table> Ref table: Mv_sar_list | <u>Code_id</u> | <u>Description</u> | 1335 | Shark, Basking | 1337 | Shark, Blue | 1344 | Shark, Greenland | 1348 | Mako, Shortfin | 1358 | Shark, Porbeagle | 1363 | Bass, Striped | 1372 | Beluga | 1375 | Wolffish, Northern | 1382 | Wolffish, Spotted | 1383 | Wolffish, Atlantic | 4561 | Turtle, Loggerhead Sea | 10561 | Turtle, Leatherback Sea | 13276 | Shark, Thresher | 14009 | Shark, White | 14197 | Whale, Blue | 15620 | Whale, North Atlantic Right |
| <u>Code_id</u> | <u>Description</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1335 | Shark, Basking | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1337 | Shark, Blue | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1344 | Shark, Greenland | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1348 | Mako, Shortfin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1358 | Shark, Porbeagle | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1363 | Bass, Striped | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1372 | Beluga | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1375 | Wolffish, Northern | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1382 | Wolffish, Spotted | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1383 | Wolffish, Atlantic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4561 | Turtle, Loggerhead Sea | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10561 | Turtle, Leatherback Sea | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13276 | Shark, Thresher | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14009 | Shark, White | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14197 | Whale, Blue | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15620 | Whale, North Atlantic Right | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 122 | SAR | SPCMN_COND_ID | Only these values must be available and considered valid: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| General rules – restrictions on data elements | | | | |
|---|--------------|---------------------------|--|---|
| Rule No. | Node(s) | Element(s) | Rule | |
| | | | <u>Code_id</u> 11881 11883 37910 37912 | <u>Description</u> Alive Dead Most alive Most dead Ref table: Mv_specimens_condition |
| 384 | SAR | NB_SPCMN | In the client application, the number of specimens (SAR. NB_SPCMN) must have an initial value equal to “null” (empty). If the user wants to declare a quantity (0 or greater than 0) using this element, the value must be entered manually by the user. A null or empty value must not be interpreted as a 0 by the client application. | |
| 385 | SAR | WT | In the client application, the weight (SAR. WT) must have an initial value equal to “null” (empty). If the user wants to declare a quantity (0 or greater than 0) using this element, the value must be entered manually by the user. A null or empty value must not be interpreted as a 0 by the client application. | |
| 29 | EFFORT | START_DT | The effort start date (Effort.Start_dt) must be later than or equal to the trip start date and time (Trip.Start_dt). | |
| | TRIP | START_DT | | |
| 836 | CATCH | SPECIE_ID | Only these species must be available and considered valid for the sub-form: (see appendix C) Ref table: Mv_species, Mv_subforms | |
| | GENERAL_INFO | SUBFORM_ID | | |
| 837 | CATCH | SPECIE_ID OTHR_SPC_DSC | When the species caught is “Other” (Catch.Specie_id=814) then the entry of the species description (Catch.Othr_spc_dsc) becomes Mandatory. Otherwise, the entry of the species description must be blocked. Ref table: Mv_species | |
| 931 | GENERAL_INFO | FIN (label) | In the client application, all labels associated to element General_info.Fin must always be: In French: « NIP du détenteur de permis » In English: « Licence holder’s FIN » | |

| General rules – restrictions on data elements | | | | | | | | | | | |
|---|------------------------|---------------------------|---|----------------|--------------------|-----|--------------------|-----|------------------------|-----|----------------------|
| Rule No. | Node(s) | Element(s) | Rule | | | | | | | | |
| 935 | GENERAL_INFO | SUBFORM_ID | If the subform (General_info.Subform_id) is one of: <table><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr><tr><td>106</td><td>PAC - Sea Cucumber</td></tr><tr><td>107</td><td>PAC - Green Sea Urchin</td></tr><tr><td>108</td><td>PAC - Red Sea Urchin</td></tr></table> Only the areas, contained in MV_PFMA (code_id 27727 to 27774), can be made available to the harvester Ref table: Mv_subforms, Mv_pfma | <u>Code_id</u> | <u>Description</u> | 106 | PAC - Sea Cucumber | 107 | PAC - Green Sea Urchin | 108 | PAC - Red Sea Urchin |
| | <u>Code_id</u> | <u>Description</u> | | | | | | | | | |
| 106 | PAC - Sea Cucumber | | | | | | | | | | |
| 107 | PAC - Green Sea Urchin | | | | | | | | | | |
| 108 | PAC - Red Sea Urchin | | | | | | | | | | |
| | EFFORT_DETAIL | PAC_STAT_AREA_ID | | | | | | | | | |
| 936 | GENERAL_INFO | SUBFORM_ID | If the subform (General_info.Subform_id) is one of: <table><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr><tr><td>106</td><td>PAC - Sea Cucumber</td></tr><tr><td>107</td><td>PAC - Green Sea Urchin</td></tr><tr><td>108</td><td>PAC - Red Sea Urchin</td></tr></table> Only the subarea, contained in MV_PFMA (code_id 27775 to 38283), can be made available to the harvester Ref table: Mv_subforms, Mv_pfma | <u>Code_id</u> | <u>Description</u> | 106 | PAC - Sea Cucumber | 107 | PAC - Green Sea Urchin | 108 | PAC - Red Sea Urchin |
| | <u>Code_id</u> | <u>Description</u> | | | | | | | | | |
| 106 | PAC - Sea Cucumber | | | | | | | | | | |
| 107 | PAC - Green Sea Urchin | | | | | | | | | | |
| 108 | PAC - Red Sea Urchin | | | | | | | | | | |
| | EFFORT | PFMA_ID | | | | | | | | | |
| 837 | CATCH | SPECIE_ID OTHR_SPC_DSC | When the species caught is “Other” (Catch.Specie_id=814) then the entry of the species description (Catch.Othr_spc_dsc) becomes Mandatory. Otherwise, the entry of the species description must be blocked. Ref table: Mv_species | | | | | | | | |
| 943 | EFFORT_BY_GEAR | GEAR_ID OTHR_GR_DSC | When the fishing gear is “Other” (Effort_by_gear.Gear_id=39620) then the entry of the gear description (Effort_by_gear.Othr_gr_dsc) becomes Mandatory. Otherwise, the entry of the gear description must be blocked. Ref table: Mv_gear_description | | | | | | | | |
| 3017 | EFFORT_DETAIL | LOT_NUM | A new lot number (Effort_detail.lot_num) must be allocated automatically and sequentially for each new lot. | | | | | | | | |

| General rules – restrictions on data elements | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------|---|--|--------------|-----------|--------------|-----|---------------|--------------|-----|---------------|-------------|------|---------------|----------------|------|---------------|-----------------|------|---------------|------------|-----|---------------|--------------|-----|---------------|---------|------|---------------|-----|------|---------------|------|------------|-----------|--------------|-----|---------------|------------|-----|---------------|-------------|------|---------------|----------------|------|---------------|-----------------|------|---------------|-----------|
| Rule No. | Node(s) | Element(s) | Rule | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3018a | GENERAL_INFO | SUBFORM_ID | If the selected sub-form (General_info.Subform_id) is <u>Subform_id</u> <u>Description</u> 99 QC - Sea Urchin ... and the fishing gear (Effort_by_gear.Gear_id) is <u>Code_id</u> <u>Description</u> 940 Diving then the capture of the following elements are mandatory . <table><tr><th>Element_Id</th><th>Node_Name</th><th>Element_Name</th></tr><tr><td>259</td><td>EFFORT_DETAIL</td><td>AVG_BTM_DPTH</td></tr><tr><td>550</td><td>EFFORT_DETAIL</td><td>DIVER_NUM</td></tr><tr><td>551</td><td>EFFORT_DETAIL</td><td>DIVE_NUM</td></tr><tr><td>552</td><td>EFFORT_DETAIL</td><td>KLP_DENS_ID</td></tr><tr><td>553</td><td>EFFORT_DETAIL</td><td>BTM_TYP_ID</td></tr><tr><td>779</td><td>EFFORT_DETAIL</td><td>AVG_DIVE_DUR</td></tr><tr><td>978</td><td>EFFORT_DETAIL</td><td>GRID_ID</td></tr><tr><td>1222</td><td>EFFORT_DETAIL</td><td>LAT</td></tr><tr><td>1223</td><td>EFFORT_DETAIL</td><td>LONG</td></tr></table> and the capture of the following elements must be blocked . <table><tr><th>Element_Id</th><th>Node_Name</th><th>Element_Name</th></tr><tr><td>179</td><td>EFFORT_DETAIL</td><td>SOAKED_DUR</td></tr><tr><td>260</td><td>EFFORT_DETAIL</td><td>NB_GEAR_HLD</td></tr><tr><td>1084</td><td>EFFORT_DETAIL</td><td>START_DEPL_LAT</td></tr><tr><td>1085</td><td>EFFORT_DETAIL</td><td>START_DEPL_LONG</td></tr><tr><td>1221</td><td>EFFORT_DETAIL</td><td>DATE_TIME</td></tr></table> Ref table : Mv_subforms, Mv_Gear_Description | Element_Id | Node_Name | Element_Name | 259 | EFFORT_DETAIL | AVG_BTM_DPTH | 550 | EFFORT_DETAIL | DIVER_NUM | 551 | EFFORT_DETAIL | DIVE_NUM | 552 | EFFORT_DETAIL | KLP_DENS_ID | 553 | EFFORT_DETAIL | BTM_TYP_ID | 779 | EFFORT_DETAIL | AVG_DIVE_DUR | 978 | EFFORT_DETAIL | GRID_ID | 1222 | EFFORT_DETAIL | LAT | 1223 | EFFORT_DETAIL | LONG | Element_Id | Node_Name | Element_Name | 179 | EFFORT_DETAIL | SOAKED_DUR | 260 | EFFORT_DETAIL | NB_GEAR_HLD | 1084 | EFFORT_DETAIL | START_DEPL_LAT | 1085 | EFFORT_DETAIL | START_DEPL_LONG | 1221 | EFFORT_DETAIL | DATE_TIME |
| | Element_Id | Node_Name | | Element_Name | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 259 | EFFORT_DETAIL | | AVG_BTM_DPTH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 550 | EFFORT_DETAIL | DIVER_NUM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 551 | EFFORT_DETAIL | DIVE_NUM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 552 | EFFORT_DETAIL | KLP_DENS_ID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 553 | EFFORT_DETAIL | BTM_TYP_ID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 779 | EFFORT_DETAIL | AVG_DIVE_DUR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 978 | EFFORT_DETAIL | GRID_ID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1222 | EFFORT_DETAIL | LAT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1223 | EFFORT_DETAIL | LONG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element_Id | Node_Name | Element_Name | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 179 | EFFORT_DETAIL | SOAKED_DUR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 260 | EFFORT_DETAIL | NB_GEAR_HLD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1084 | EFFORT_DETAIL | START_DEPL_LAT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1085 | EFFORT_DETAIL | START_DEPL_LONG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1221 | EFFORT_DETAIL | DATE_TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EFFORT_BY_GEAR | GEAR_ID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EFFORT_DETAIL | AVG_BTM_DPTH DIVER_NUM DIVE_NUM KLP_DENS_ID BTM_TYP_ID AVG_DIVE_DUR GRID_ID LAT LONG SOAKED_DUR NB_GEAR_HLD START_DEPL_LAT START_DEPL_LONG DATE_TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3018b | GENERAL_INFO | SUBFORM_ID | If the selected sub-form (General_info.Subform_id) is <u>Subform_id</u> <u>Description</u> 99 QC - Sea Urchin ... and the fishing gear (Effort_by_gear.Gear_id) is <u>Code_id</u> <u>Description</u> 25224 Traps (not specified) then the capture of the following elements are mandatory . <table><tr><th>Element_Id</th><th>Node_Name</th><th>Element_Name</th></tr><tr><td>179</td><td>EFFORT_DETAIL</td><td>SOAKED_DUR</td></tr><tr><td>260</td><td>EFFORT_DETAIL</td><td>NB_GEAR_HLD</td></tr><tr><td>1084</td><td>EFFORT_DETAIL</td><td>START_DEPL_LAT</td></tr><tr><td>1085</td><td>EFFORT_DETAIL</td><td>START_DEPL_LONG</td></tr><tr><td>1221</td><td>EFFORT_DETAIL</td><td>DATE_TIME</td></tr></table> | Element_Id | Node_Name | Element_Name | 179 | EFFORT_DETAIL | SOAKED_DUR | 260 | EFFORT_DETAIL | NB_GEAR_HLD | 1084 | EFFORT_DETAIL | START_DEPL_LAT | 1085 | EFFORT_DETAIL | START_DEPL_LONG | 1221 | EFFORT_DETAIL | DATE_TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Element_Id | Node_Name | | Element_Name | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 179 | EFFORT_DETAIL | | SOAKED_DUR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 260 | EFFORT_DETAIL | NB_GEAR_HLD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1084 | EFFORT_DETAIL | START_DEPL_LAT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1085 | EFFORT_DETAIL | START_DEPL_LONG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1221 | EFFORT_DETAIL | DATE_TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EFFORT_BY_GEAR | GEAR_ID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EFFORT_DETAIL | AVG_BTM_DPTH DIVER_NUM DIVE_NUM KLP_DENS_ID BTM_TYP_ID AVG_DIVE_DUR GRID_ID LAT LONG SOAKED_DUR NB_GEAR_HLD START_DEPL_LAT START DEPL LONG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| General rules – restrictions on data elements | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------|---------------------------|---|------------|-----------|--------------|-----|---------------|---------------|-----|---------------|-----------|-----|---------------|----------|-----|---------------|-------------|-----|---------------|------------|-----|---------------|--------------|-----|---------------|---------|------|---------------|-----|------|---------------|------|
| Rule No. | Node(s) | Element(s) | Rule | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | DATE_TIME | and the capture of the following elements must be blocked . <table><tr><th>Element_Id</th><th>Node_Name</th><th>Element_Name</th></tr><tr><td>259</td><td>EFFORT_DETAIL</td><td>AVG_BT_M_DPTH</td></tr><tr><td>550</td><td>EFFORT_DETAIL</td><td>DIVER_NUM</td></tr><tr><td>551</td><td>EFFORT_DETAIL</td><td>DIVE_NUM</td></tr><tr><td>552</td><td>EFFORT_DETAIL</td><td>KLP_DENS_ID</td></tr><tr><td>553</td><td>EFFORT_DETAIL</td><td>BTM_TYP_ID</td></tr><tr><td>779</td><td>EFFORT_DETAIL</td><td>AVG_DIVE_DUR</td></tr><tr><td>978</td><td>EFFORT_DETAIL</td><td>GRID_ID</td></tr><tr><td>1222</td><td>EFFORT_DETAIL</td><td>LAT</td></tr><tr><td>1223</td><td>EFFORT_DETAIL</td><td>LONG</td></tr></table> Ref table : Mv_subforms, Mv_Gear_Description | Element_Id | Node_Name | Element_Name | 259 | EFFORT_DETAIL | AVG_BT_M_DPTH | 550 | EFFORT_DETAIL | DIVER_NUM | 551 | EFFORT_DETAIL | DIVE_NUM | 552 | EFFORT_DETAIL | KLP_DENS_ID | 553 | EFFORT_DETAIL | BTM_TYP_ID | 779 | EFFORT_DETAIL | AVG_DIVE_DUR | 978 | EFFORT_DETAIL | GRID_ID | 1222 | EFFORT_DETAIL | LAT | 1223 | EFFORT_DETAIL | LONG |
| Element_Id | Node_Name | Element_Name | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 259 | EFFORT_DETAIL | AVG_BT_M_DPTH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 550 | EFFORT_DETAIL | DIVER_NUM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 551 | EFFORT_DETAIL | DIVE_NUM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 552 | EFFORT_DETAIL | KLP_DENS_ID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 553 | EFFORT_DETAIL | BTM_TYP_ID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 779 | EFFORT_DETAIL | AVG_DIVE_DUR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 978 | EFFORT_DETAIL | GRID_ID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1222 | EFFORT_DETAIL | LAT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1223 | EFFORT_DETAIL | LONG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3019a | GENERAL_INFO | SUBFORM_ID | If the selected sub-form (General_info.Subform_id) is <u>Subform_id</u> <u>Description</u> 103 MAR - NS-SWNB Sea Urchin and the gear (Effort_By_Gear.Gear_id) is one of: <u>Code_id</u> <u>Description</u> 951 Drag rake then the capture of the gear width (Effort_By_Gear.Gear_width) is mandatory Ref table: Mv_gear_description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EFFORT_BY_GEAR | GEAR_WIDTH GEAR_ID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3019b | GENERAL_INFO | SUBFORM_ID | If the selected sub-form (General_info.Subform_id) is <u>Subform_id</u> <u>Description</u> 103 MAR - NS-SWNB Sea Urchin and the gear (Effort_By_Gear.Gear_id) is one of: <u>Code_id</u> <u>Description</u> 940 Diving 941 Diving with hand tool then the capture of the gear width (Effort_By_Gear.Gear_width) is blocked Ref table: Mv_gear_description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EFFORT_BY_GEAR | GEAR_WIDTH GEAR_ID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3020 | GENERAL_INFO | SUBFORM_ID | If the selected sub-form (General_info.Subform_id) is <u>Subform_id</u> <u>Description</u> 98 QC – Seal 100 QC - Marine Plant 104 MAR - NS Marine Plant 108 NL - Sea Urchin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | LANDING | PORT_ID OFFLD_SITE_DSC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| General rules – restrictions on data elements | | | | | | | | | | | | | | | | | | | |
|---|-----------------------------------|-----------------------------------|---|-------------------|--------------------|----|-----------|----------------|--------------------|------|-----------|------|---------------|------|--------|------|----------|-------|-----------------------------------|
| Rule No. | Node(s) | Element(s) | Rule | | | | | | | | | | | | | | | | |
| | | | 110 NL - Seal At least one of these two elements (Landing.Port_id or Landing.Offld_site_dsc) must contain a value in each occurrence of node Landing. Ref table : Mv_subforms | | | | | | | | | | | | | | | | |
| 3021 | TRANSFER | TO_VRN_IS_PACKER_IND PCKR_NAME | If the indicator indicating that the vessel receiving the fish is a packer is equal to "Yes" (Transfer.To_Vrn_Is_Packer_Ind='Y'), the entry of the name of the packer (Transfer.Pckr_Name) is mandatory. | | | | | | | | | | | | | | | | |
| 3022 | TRANSFER | TO_VRN_IS_PACKER_IND | If the indicator indicating that the vessel receiving the fish is a packer is equal to "Yes" (Transfer.To_Vrn_Is_Packer_Ind='Y'), then LANDING node must be blocked. | | | | | | | | | | | | | | | | |
| | LANDING | | | | | | | | | | | | | | | | | | |
| 3023a | GENERAL_INFO | SUBFORM_ID | If the selected sub-form (General_info.Subform_id) is <table><tr><th><u>Subform_id</u></th><th><u>Description</u></th></tr><tr><td>98</td><td>QC – Seal</td></tr></table> Only these values must be available and considered valid: <table><tr><th><u>Code id</u></th><th><u>Description</u></th></tr><tr><td>4615</td><td>Whitecoat</td></tr><tr><td>4617</td><td>Ragged Jacket</td></tr><tr><td>4619</td><td>Beater</td></tr><tr><td>4621</td><td>Bedlamer</td></tr><tr><td>44481</td><td>Adult Seal (more than five years)</td></tr></table> Ref table: Mv_Species_Life_Cycle, Mv_species, Mv_subforms | <u>Subform_id</u> | <u>Description</u> | 98 | QC – Seal | <u>Code id</u> | <u>Description</u> | 4615 | Whitecoat | 4617 | Ragged Jacket | 4619 | Beater | 4621 | Bedlamer | 44481 | Adult Seal (more than five years) |
| | <u>Subform_id</u> | <u>Description</u> | | | | | | | | | | | | | | | | | |
| 98 | QC – Seal | | | | | | | | | | | | | | | | | | |
| <u>Code id</u> | <u>Description</u> | | | | | | | | | | | | | | | | | | |
| 4615 | Whitecoat | | | | | | | | | | | | | | | | | | |
| 4617 | Ragged Jacket | | | | | | | | | | | | | | | | | | |
| 4619 | Beater | | | | | | | | | | | | | | | | | | |
| 4621 | Bedlamer | | | | | | | | | | | | | | | | | | |
| 44481 | Adult Seal (more than five years) | | | | | | | | | | | | | | | | | | |
| | CATCH | SPECIE_ID SPECIE_LIF_CYC_ID | | | | | | | | | | | | | | | | | |

| General rules – restrictions on data elements | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----------------------------------|-------------------------------------|---|-------------------|--------------------|-----|--------------------------|----------------|--------------------|------|-----------|-------------------|------------------|---------------------|--------|---------------|----------|-------|-----------------------------------|----------------|--------------------|-------|---------------------------------|-------|-----------------------------------|-------|-----------------------------------|
| Rule No. | Node(s) | Element(s) | Rule | | | | | | | | | | | | | | | | | | | | | | | | |
| 3023b | GENERAL_INFO | SUBFORM_ID | <div>If the selected sub-form (General_info.Subform_id) is</div> <table><tr><th><u>Subform_id</u></th><th><u>Description</u></th></tr><tr><td>110</td><td>NL - Seal</td></tr></table> <div>When the species caught is “Seal, Harp” (Catch.Specie_id=1350)</div> <div>Only these values must be available and considered valid:</div> <table><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr><tr><td>4615</td><td>Whitecoat</td></tr><tr><td>4617</td><td>Ragged Jacket</td></tr><tr><td>4619</td><td>Beater</td></tr><tr><td>4621</td><td>Bedlamer</td></tr><tr><td>44481</td><td>Adult Seal (more than five years)</td></tr></table> <div>Otherwise, when the species caught is:</div> <div>1336 Seal, Bearded</div> <div>1342 Seal, Grey</div> <div>1346 Seal, Harbour</div> <div>1347 Seal, Hooded</div> <div>1963 Seal, Ringed</div> <div>814 Other</div> <div>Only these values must be available and considered valid:</div> <table><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr><tr><td>44479</td><td>Young Seal (less than one year)</td></tr><tr><td>44480</td><td>Juvenile Seal (one to five years)</td></tr><tr><td>44481</td><td>Adult Seal (more than five years)</td></tr></table> <div>Ref table: Mv_Species_Life_Cycle, Mv_species</div> | <u>Subform_id</u> | <u>Description</u> | 110 | NL - Seal | <u>Code_id</u> | <u>Description</u> | 4615 | Whitecoat | 4617 | Ragged Jacket | 4619 | Beater | 4621 | Bedlamer | 44481 | Adult Seal (more than five years) | <u>Code_id</u> | <u>Description</u> | 44479 | Young Seal (less than one year) | 44480 | Juvenile Seal (one to five years) | 44481 | Adult Seal (more than five years) |
| | <u>Subform_id</u> | <u>Description</u> | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 110 | NL - Seal | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <u>Code_id</u> | <u>Description</u> | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4615 | Whitecoat | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4617 | Ragged Jacket | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4619 | Beater | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4621 | Bedlamer | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44481 | Adult Seal (more than five years) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>Code_id</u> | <u>Description</u> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44479 | Young Seal (less than one year) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44480 | Juvenile Seal (one to five years) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44481 | Adult Seal (more than five years) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CATCH | SPECIE_ID SPECIE_LIF_CYC_ID | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3024a | GENERAL_INFO | SUBFORM_ID | <div>If the selected sub-form (General_info.Subform_id) is</div> <table><tr><th><u>Subform_id</u></th><th><u>Description</u></th></tr><tr><td>103</td><td>MAR - NS-SWNB Sea Urchin</td></tr></table> <div>... and the fishing gear (Effort_by_gear.Gear_id) is</div> <table><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr><tr><td>951</td><td>Drag rake</td></tr></table> <div>then the capture of the following element is mandatory.</div> <table><tr><th><u>Element_Id</u></th><th><u>Node_Name</u></th><th><u>Element_Name</u></th></tr><tr><td>615</td><td>EFFORT_DETAIL</td><td>NB_TOWS</td></tr></table> | <u>Subform_id</u> | <u>Description</u> | 103 | MAR - NS-SWNB Sea Urchin | <u>Code_id</u> | <u>Description</u> | 951 | Drag rake | <u>Element_Id</u> | <u>Node_Name</u> | <u>Element_Name</u> | 615 | EFFORT_DETAIL | NB_TOWS | | | | | | | | | | |
| | <u>Subform_id</u> | <u>Description</u> | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 103 | MAR - NS-SWNB Sea Urchin | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>Code_id</u> | <u>Description</u> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 951 | Drag rake | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>Element_Id</u> | <u>Node_Name</u> | <u>Element_Name</u> | | | | | | | | | | | | | | | | | | | | | | | | | |
| 615 | EFFORT_DETAIL | NB_TOWS | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EFFORT_BY_GEAR | GEAR_ID | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EFFORT_DETAIL | NB_TOWS AVG_DIVE_DUR NB_DIVER | | | | | | | | | | | | | | | | | | | | | | | | | |

| General rules – restrictions on data elements | | | | | | | | | | | | | | | | | | |
|---|-------------------------------------|---------------|---|--------------|-------------|--------------|-----------|---------------|--------------|-----|---------------|----------|------------|-----------|--------------|-----|---------------|---------|
| Rule No. | Node(s) | Element(s) | Rule | | | | | | | | | | | | | | | |
| | | | and the capture of the following elements must be blocked . <table><tr><th>Element_Id</th><th>Node_Name</th><th>Element_Name</th></tr><tr><td>779</td><td>EFFORT_DETAIL</td><td>AVG_DIVE_DUR</td></tr><tr><td>777</td><td>EFFORT_DETAIL</td><td>NB_DIVER</td></tr></table> Ref table : Mv_subforms, Mv_Gear_Description | Element_Id | Node_Name | Element_Name | 779 | EFFORT_DETAIL | AVG_DIVE_DUR | 777 | EFFORT_DETAIL | NB_DIVER | | | | | | |
| Element_Id | Node_Name | Element_Name | | | | | | | | | | | | | | | | |
| 779 | EFFORT_DETAIL | AVG_DIVE_DUR | | | | | | | | | | | | | | | | |
| 777 | EFFORT_DETAIL | NB_DIVER | | | | | | | | | | | | | | | | |
| 3024b | GENERAL_INFO | SUBFORM_ID | If the selected sub-form (General_info.Subform_id) is <u>Subform_id</u> <u>Description</u> 103 MAR - NS-SWNB Sea Urchin ... and the fishing gear (Effort_by_gear.Gear_id) is <u>Code_id</u> <u>Description</u> 940 Diving 941 Diving with hand tool then the capture of the following elements is mandatory . <table><tr><th>Element_Id</th><th>Node_Name</th><th>Element_Name</th></tr><tr><td>779</td><td>EFFORT_DETAIL</td><td>AVG_DIVE_DUR</td></tr><tr><td>777</td><td>EFFORT_DETAIL</td><td>NB_DIVER</td></tr></table> and the capture of the following element must be blocked . <table><tr><th>Element_Id</th><th>Node_Name</th><th>Element_Name</th></tr><tr><td>615</td><td>EFFORT_DETAIL</td><td>NB_TOWS</td></tr></table> Ref table : Mv_subforms, Mv_Gear_Description | Element_Id | Node_Name | Element_Name | 779 | EFFORT_DETAIL | AVG_DIVE_DUR | 777 | EFFORT_DETAIL | NB_DIVER | Element_Id | Node_Name | Element_Name | 615 | EFFORT_DETAIL | NB_TOWS |
| | Element_Id | Node_Name | | Element_Name | | | | | | | | | | | | | | |
| | 779 | EFFORT_DETAIL | | AVG_DIVE_DUR | | | | | | | | | | | | | | |
| 777 | EFFORT_DETAIL | NB_DIVER | | | | | | | | | | | | | | | | |
| Element_Id | Node_Name | Element_Name | | | | | | | | | | | | | | | | |
| 615 | EFFORT_DETAIL | NB_TOWS | | | | | | | | | | | | | | | | |
| EFFORT_BY_GEAR | GEAR_ID | | | | | | | | | | | | | | | | | |
| EFFORT_DETAIL | NB_TOWS AVG_DIVE_DUR NB_DIVER | | | | | | | | | | | | | | | | | |
| 3056a | GENERAL_INFO | VRN | When the subform (General_info.Subform_id) is: <table><tr><th>Code_id</th><th>Description</th></tr><tr><td>98</td><td>QC - Seal</td></tr></table> The label of this element must be: <u>French :</u> NEB ou NIBP <u>English:</u> VRN or SVIN | Code_id | Description | 98 | QC - Seal | | | | | | | | | | | |
| Code_id | Description | | | | | | | | | | | | | | | | | |
| 98 | QC - Seal | | | | | | | | | | | | | | | | | |

| General rules – restrictions on data elements | | | | | | | |
|---|------------------------|--------------------|--|----------------|--------------------|-----|------------------------|
| Rule No. | Node(s) | Element(s) | Rule | | | | |
| 3056b | GENERAL_INFO | VRN | When the subform (General_info.Subform_id) is: <table><tr><th><u>Code id</u></th><th><u>Description</u></th></tr><tr><td>110</td><td>NL - Seal</td></tr></table> The label of this element must be: <u>French :</u> NEB ou NIBP <u>English:</u> VRN or SVRN | <u>Code id</u> | <u>Description</u> | 110 | NL - Seal |
| | <u>Code id</u> | <u>Description</u> | | | | | |
| 110 | NL - Seal | | | | | | |
| 3057a | EFFORT | QUOTA_AREA_ID | When the subform (General_info.Subform_id) is: <table><tr><th><u>Code id</u></th><th><u>Description</u></th></tr><tr><td>105</td><td>PAC - Sea Cucumber</td></tr></table> The list of CODE_ID available for the QUOTA_AREA_ID element must be from the ‘Pacific Sea Cucumber Area’ group (GROUP_CODE_ID=3448 in Mv_Quota_Area). Ref table: Mv_Quota_Area, Mv_subforms | <u>Code id</u> | <u>Description</u> | 105 | PAC - Sea Cucumber |
| | <u>Code id</u> | <u>Description</u> | | | | | |
| 105 | PAC - Sea Cucumber | | | | | | |
| GENERAL_INFO | SUBFORM_ID | | | | | | |
| 3057b | EFFORT | QUOTA_AREA_ID | When the subform (General_info.Subform_id) is: <table><tr><th><u>Code id</u></th><th><u>Description</u></th></tr><tr><td>106</td><td>PAC - Green Sea Urchin</td></tr></table> The list of CODE_ID available for the QUOTA_AREA_ID element must be from the ‘Pacific Green Urchin Area’ group (GROUP_CODE_ID=25307 in Mv_Quota_Area). Ref table: Mv_Quota_Area, Mv_subforms | <u>Code id</u> | <u>Description</u> | 106 | PAC - Green Sea Urchin |
| | <u>Code id</u> | <u>Description</u> | | | | | |
| 106 | PAC - Green Sea Urchin | | | | | | |
| GENERAL_INFO | SUBFORM_ID | | | | | | |
| 3057c | EFFORT | QUOTA_AREA_ID | When the subform (General_info.Subform_id) is: <table><tr><th><u>Code id</u></th><th><u>Description</u></th></tr><tr><td>107</td><td>PAC - Red Sea Urchin</td></tr></table> The list of CODE_ID available for the QUOTA_AREA_ID element must be from the ‘Pacific Sea Urchins, Red Area’ group (GROUP_CODE_ID=3444 in Mv_Quota_Area). Ref table: Mv_Quota_Area, Mv_subforms | <u>Code id</u> | <u>Description</u> | 107 | PAC - Red Sea Urchin |
| | <u>Code id</u> | <u>Description</u> | | | | | |
| 107 | PAC - Red Sea Urchin | | | | | | |
| GENERAL_INFO | SUBFORM_ID | | | | | | |

| General rules – restrictions on data elements | | | |
|---|--------------|------------|--|
| Rule No. | Node(s) | Element(s) | Rule |
| 3058 | GENERAL_INFO | SUBFORM_ID | Only these Fishery Management Area (FMA) must be available and considered valid for the following subform: (see appendix E) Ref table: Mv_fma, Mv_subforms |
| | EFFORT | FMA_ID | |

5.3. DFO instructions

DFO instructions are documents allowing DFO to provide complementary information and details directly to fish harvesters. These documents are provided by DFO.

| Rule No. | Rule |
|----------|---|
| 2500 | Instructions provided by DFO must be available when using the client application. DFO instructions files can be found in the technical package. |
| | Files |
| | Files containing DFO instructions are: DFO instructions_NAT_236-1.0_eng.pdf (English version) DFO instructions_NAT_236-1.0_fre.pdf (French version) |

Appendix A – List of valid targeted species per sub-form

When using the sub-form identified in the first column, only the targeted species indicated in the second column can be declared “targeted”, so, only these species must be available and considered valid for the sub-form:

| Targeted species vs Sub-forms | |
|--|---|
| General_info.Subform_id – Sub-form name | Tgt_species.Specie_id - Species name |
| 98 - QC - Seal | 1342 Seal, Grey 1350 Seal, Harp |
| 99 - QC - Sea Urchin 103 - MAR - NS-SWNB Sea Urchin 108 - NL - Sea Urchin | 1370 Sea Urchins |
| 100 - QC - Marine Plant | 44493 Algae (Boreophyllum birdiae) 44501 Algae (Hedophyllum nigripes) 44499 Arctic Wrack (Fucus evanescens) 44495 Black Whip Weed (Chordaria flagelliformis) 15196 Bladder wrack (Fucus vesiculosus) 1925 Dulse (Palmaria palmata) 44510 Eelgrass (Zostera marina) 44497 Green Algae (Enteromorpha sp.) 44509 Green Algae (Ulvaria sp.) 44506 Hollow-Stemmed kelp (Saccharina longicuris) 1939 Irish Moss (Chondrus crispus) 44507 Kelp / Brown Algae (Saccorhiza dermatodea) 44356 Laver (Porphyra miniata) 44494 Lobster Claw (Ceramium virgatum) 44503 Oak Leaf (Phycodrys rubens) 44502 Oarweed (Laminaria digitata) 44504 Purple Laver (Porphyra umbilicalis) 44496 Red Algae (Devaleraea ramentacea) 1895 Rockweed (Ascophyllum nodosum) 44357 Sea Lace / Dead Men's Ropes (Chorda filum) 18738 Sea Lettuce (Ulva lactuca) 44508 Smooth Cordgrass (Spartina alterniflora) 44500 Spiralled Wrack (Fucus spiralis) 44505 Sugar Kelp (Saccharina latissima) 44498 Two-headed Wrack (Fucus distichus ssp.) 1891 Winged Kelp (Alaria esculenta) |
| 101 - QC - Sea Cucumber 102 - MAR - Sea Cucumber 105 - PAC - Sea Cucumber 109 - NL - Sea Cucumber | 1340 Sea Cucumber |

| | | |
|------------------------------|-------|---|
| 104 - MAR - NS Marine Plant | 43838 | Horsetail |
| | 1939 | Moss, Irish |
| 106 - PAC - Green Sea Urchin | 18162 | Sea Urchin, Green (Strongylocentrotus droebachiensis) |
| 107 - PAC - Red Sea Urchin | 3374 | Sea Urchin, Red |
| 110 - NL - Seal | 1963 | Seal, Ringed |
| | 1347 | Seal, Hooded |
| | 1350 | Seal, Harp |

Ref tables: Mv_subforms, **Mv_species**

Appendix B – List of valid fishing gears per sub-form

When using the sub-form identified in the first column, only the fishing gears indicated in the second column can be selected so, only these fishing gears must be available and considered valid for the sub-form:

| Fishing gears vs Sub-forms | |
|---|--|
| General_info.Subform_id – Sub-form name | Effort_by_gear.Gear_id – Gear description |
| 98 - QC - Seal | 43839 Rifle 43840 Club 43841 Hakapik 39620 Other |
| 110 - NL - Seal | 944 Seal hunting 39620 Other |
| 99 - QC - Sea Urchin | 940 Diving 25224 Traps (not specified) 39620 Other |
| 100 - QC - Marine Plant | 941 Diving with hand tool 954 Hand and hand held tools 39620 Other |
| 101 - QC - Sea Cucumber 102 - MAR - Sea Cucumber 109 - NL - Sea Cucumber | 10587 Sea cucumber drag 39620 Other |
| 103 - MAR - NS-SWNB Sea Urchin | 940 Diving 941 Diving with hand tool 951 Drag rake 39620 Other |
| 104 - MAR - NS Marine Plant | 951 Drag rake 954 Hand and hand held tools 39620 Other |
| 105 - PAC - Sea Cucumber 106 - PAC - Green Sea Urchin 107 - PAC - Red Sea Urchin 108 - NL - Sea Urchin | 940 Diving 39620 Other |

Ref tables: Mv_subforms, Mv_gear_description

Appendix C – List of species that can be declared in nodes CATCH, PCONS or TRANSFER_DTL, per sub-forms

When using the sub-form identified in the first column, only the species indicated in the second column can be selected/reported in nodes CATCH,PCONS and TRANSFER_DTL so, only these species must be available and considered valid for the sub-form:

| Species that can be selected/reported in sections catch (CATCH), personal consumption (PCONS) or transfer(TRANSFER_DTL) per sub-forms | | |
|---|---|---|
| General_info.Subform_id – Sub-form name | Catch.Specie_id – Species name Pcons.Specie_id – Species name Transfer_dtl.Specie_id – Species name | |
| 98 - QC - Seal | 1342 | Seal, Grey |
| | 1350 | Seal, Harp |
| | 814 | Other |
| 99 - QC - Sea Urchin | 1370 | Sea Urchins |
| 108 - NL - Sea Urchin | 814 | Other |
| 100 - QC - Marine Plant | 44493 | Algae (Boreophyllum birdiae) |
| | 44501 | Algae (Hedophyllum nigripes) |
| | 44499 | Arctic Wrack (Fucus evanescens) |
| | 44495 | Black Whip Weed (Chordaria flagelliformis) |
| | 15196 | Bladder wrack (Fucus vesiculosus) |
| | 1925 | Dulse (Palmaria palmata) |
| | 44510 | Eelgrass (Zostera marina) |
| | 44497 | Green Algae (Enteromorpha sp.) |
| | 44509 | Green Algae (Ulvaria sp.) |
| | 44506 | Hollow-Stemmed kelp (Saccharina longicuris) |
| | 1939 | Irish Moss (Chondrus crispus) |
| | 44507 | Kelp / Brown Algae (Saccorhiza dermatodea) |
| | 44356 | Laver (Porphyra miniata) |
| | 44494 | Lobster Claw (Ceramium virgatum) |
| | 44503 | Oak Leaf (Phycodrys rubens) |
| | 44502 | Oarweed (Laminaria digitata) |
| | 44504 | Purple Laver (Porphyra umbilicalis) |
| | 44496 | Red Algae (Devaleraea ramentacea) |
| | 1895 | Rockweed (Ascophyllum nodosum) |
| | 44357 | Sea Lace / Dead Men's Ropes (Chorda filum) |
| | 18738 | Sea Lettuce (Ulva lactuca) |
| | 44508 | Smooth Cordgrass (Spartina alterniflora) |
| | 44500 | Spiralled Wrack (Fucus spiralis) |
| | 44505 | Sugar Kelp (Saccharina latissima) |

| Species that can be selected/reported in sections catch (CATCH), personal consumption (PCONS) or transfer(TRANSFER_DTL) per sub-forms | |
|---|---|
| General_info.Subform_id – Sub-form name | Catch.Specie_id – Species name Pcons.Specie_id – Species name Transfer_dtl.Specie_id – Species name |
| | 44498 Two-headed Wrack (<i>Fucus distichus</i> ssp.) 1891 Winged Kelp (<i>Alaria esculenta</i>) 814 Other |
| 101 - QC - Sea Cucumber 102 - MAR - Sea Cucumber 103 - MAR - NS-SWNB Sea Urchin | 1279 Clams, Bar 1280 Clams, Northern Propeller 1281 Clams, Quahaugs 1282 Clams, Soft Shell 1283 Clams, Unspecified 1283 Clams, Unspecified 1286 Crab, Jonah 1286 Crab, Jonah 1287 Crab, Rock 1287 Crab, Rock 1288 Crab, Queen Snow 1292 Clam, Stimpson's Surf 1323 Oysters, American 1338 Scallop, Icelandic 1339 Scallop, Sea 1340 Sea Cucumber 1341 Scallop 1370 Sea Urchins 1909 Clams, Atlantic Razor 1913 Cockles 1915 Moonshell / Moonsnail, Common Northern 1917 Crab, Green 814 Other |
| 109 - NL - Sea Cucumber | 1268 Monkfish 1284 Cod, Atlantic 1287 Crab, Rock 1288 Crab, Queen Snow 1325 Plaice, American 1338 Scallop, Icelandic 1339 Scallop, Sea 1340 Sea Cucumber 1353 Skates 1370 Sea Urchins 1385 Flounder, Yellowtail 814 Other |
| 104 - MAR - NS Marine Plant | 1939 Moss, Irish 43838 Horsetail 814 Other |

| Species that can be selected/reported in sections catch (CATCH), personal consumption (PCONS) or transfer(TRANSFER_DTL) per sub-forms | |
|---|---|
| General_info.Subform_id – Sub-form name | Catch.Specie_id – Species name Pcons.Specie_id – Species name Transfer_dtl.Specie_id – Species name |
| 105 - PAC - Sea Cucumber | 1340 Sea Cucumber 814 Other |
| 106 - PAC - Green Sea Urchin | 18162 Sea Urchin, Green (Strongylocentrotus droebachiensis) 814 Other |
| 107 - PAC - Red Sea Urchin | 3374 Sea Urchin, Red 814 Other |
| 110 - NL - Seal | 1336 Seal, Bearded 1342 Seal, Grey 1346 Seal, Harbour 1347 Seal, Hooded 1350 Seal, Harp 1963 Seal, Ringed 814 Other |

Ref tables: Mv_subforms, **Mv_species**

Appendix D – List of forms in which products of a species can be declared in CATCH and PCONS, per sub-forms

When using the sub-form identified in the first column, only the species product form indicated in the second column can be selected/reported in the CATCH and PCONS node; only these species product form can be available and considered valid for the sub-form:

| The forms of product of species that can be selected/declared in the catch and pcons details (CATCH, PCONS) by sub-forms | |
|--|--|
| General_info.Subform_id – Sub-form name | Catch.Specie_Frm_Id – Product form Pcons.Specie_Frm_Id – Product form |
| 100 - QC - Marine Plant | 44359 Wet weight |
| 104 - MAR - NS Marine Plant | 39620 Other |
| 99 - QC - Sea Urchin | 1111 Roe |
| 103 - MAR - NS-SWNB Sea Urchin | 4691 Round |
| 106 - PAC - Green Sea Urchin | 39620 Other |
| 107 - PAC - Red Sea Urchin | |
| 108 - NL - Sea Urchin | |
| 101 - QC - Sea Cucumber | 4177 Whole (round frozen or iced) |
| 102 - MAR - Sea Cucumber | 4653 Dressed, Split |
| 105 - PAC - Sea Cucumber | 4691 Round |
| | 39620 Other |
| 109 - NL - Sea Cucumber | 4653 Dressed, Split |
| | 4691 Round |
| | 39620 Other |
| 98 - QC - Seal | 4178 Bled (Whole) |
| | 4691 Round |
| | 39620 Other |
| 110 - NL - Seal | 4691 Round |
| | 39620 Other |

Ref tables: Mv_subforms, **Mv_species_product_form**

Appendix E – List of Fishery management areas per subform

| Fma_Id vs Sub-forms | | | |
|---|---|--------------|-----------|
| General_info.Subform_id – Sub-form name | Effort.Fma_Id - Fishery management area | | |
| 98 - QC - Seal 110 - NL - Seal | Code_Id | Desc_Eng | Abbrv_Eng |
| | 1541 | Seal Area 01 | 1 |
| | 1542 | Seal Area 02 | 2 |
| | 1543 | Seal Area 03 | 3 |
| | 1475 | Seal Area 04 | 4 |
| | 1476 | Seal Area 05 | 5 |
| | 1477 | Seal Area 06 | 6 |
| | 2015 | Seal Area 07 | 7 |
| | 2017 | Seal Area 08 | 8 |
| | 2019 | Seal Area 09 | 9 |
| | 1544 | Seal Area 10 | 10 |
| | 1545 | Seal Area 11 | 11 |
| | 1546 | Seal Area 12 | 12 |
| | 1547 | Seal Area 13 | 13 |
| | 1548 | Seal Area 14 | 14 |
| | 1508 | Seal Area 15 | 15 |
| | 1549 | Seal Area 16 | 16 |
| | 1509 | Seal Area 17 | 17 |
| | 1510 | Seal Area 18 | 18 |
| | 1511 | Seal Area 19 | 19 |
| | 1512 | Seal Area 20 | 20 |
| | 1513 | Seal Area 21 | 21 |
| | 1514 | Seal Area 22 | 22 |
| | 1515 | Seal Area 23 | 23 |
| | 1516 | Seal Area 24 | 24 |
| | 1517 | Seal Area 25 | 25 |
| | 1518 | Seal Area 26 | 26 |
| | 1519 | Seal Area 27 | 27 |
| | 1520 | Seal Area 28 | 28 |
| | 1521 | Seal Area 29 | 29 |
| | 1522 | Seal Area 30 | 30 |
| | 1523 | Seal Area 31 | 31 |
| | 1524 | Seal Area 32 | 32 |
| | 1525 | Seal Area 33 | 33 |

| Fma_Id vs Sub-forms | | |
|--|---|----------------------------------|
| General_info.Subform_id – Sub-form name | Effort.Fma_Id - Fishery management area | |
| 99 - QC - Sea Urchin | Code_Id | Desc_Eng |
| | 25784 | Urchin Fishing Area 1 |
| | 25788 | Urchin Fishing Area 2 |
| | 25787 | Urchin Fishing Area 3 |
| | 25785 | Urchin Fishing Area 4 |
| | 25786 | Urchin Fishing Area 5A |
| | 25775 | Urchin Fishing Area 5B |
| | 25790 | Urchin Fishing Area 6A |
| | 25781 | Urchin Fishing Area 6B |
| | 25780 | Urchin Fishing Area 7A |
| | 25779 | Urchin Fishing Area 7B |
| | 25778 | Urchin Fishing Area 7C |
| | 25777 | Urchin Fishing Area 8 |
| | 25776 | Urchin Fishing Area 9 |
| | 25772 | Urchin Fishing Area 9A |
| | 25771 | Urchin Fishing Area 9B |
| | 25770 | Urchin Fishing Area 9D |
| | 25789 | Urchin Fishing Area 10 |
| | 25782 | Urchin Fishing Area 11 |
| | 25783 | Urchin Fishing Area 12 |
| | 25774 | Urchin Fishing Area 13 |
| | 25773 | Urchin Fishing Area 14 |
| 101 - QC - Sea Cucumber 102 - MAR - Sea Cucumber 109 - NL - Sea Cucumber | Code_Id | Desc_Eng |
| | 37241 | Sea cucumber - Fishing Area 3A1 |
| | 37242 | Sea cucumber - Fishing Area 3A2 |
| | 37243 | Sea cucumber - Fishing Area 3A3 |
| | 37244 | Sea cucumber - Fishing Area 3A4 |
| | 37245 | Sea cucumber - Fishing Area 3A5 |
| | 37246 | Sea cucumber - Fishing Area 3A6 |
| | 37247 | Sea cucumber - Fishing Area 3A7 |
| | 37248 | Sea cucumber - Fishing Area 3A8 |
| | 37249 | Sea cucumber - Fishing Area 3A9 |
| | 37250 | Sea cucumber - Fishing Area 3A10 |
| | 37251 | Sea cucumber - Fishing Area 3A11 |
| | 37252 | Sea cucumber - Fishing Area 3A12 |
| | 37253 | Sea cucumber - Fishing Area 3A13 |
| | 37254 | Sea cucumber - Fishing Area 3A14 |
| | 37255 | Sea cucumber - Fishing Area 3A15 |

| Fma_Id vs Sub-forms | | | |
|---|----------------|---|------------------|
| General_info.Subform_id – Sub-form name | | Effort.Fma_Id - Fishery management area | |
| | 44476 | Sea cucumber - Fishing Area Eastern 3Ps | 3Ps |
| | 44477 | Sea cucumber - Fishing Area Western 3Ps | 3Ps |
| 104 - MAR - NS Marine Plant | | | |
| | Code_Id | Desc_Eng | Abbrv_Eng |
| | 1602 | Marine Plant Hd 1 | 1 |
| | 1608 | Marine Plant Hd 2 | 2 |
| | 1609 | Marine Plant Hd 3 | 3 |
| | 1610 | Marine Plant Hd 4 | 4 |
| | 1611 | Marine Plant Hd 5 | 5 |
| | 1612 | Marine Plant Hd 6 | 6 |
| | 1483 | Marine Plant Hd 7 | 7 |
| | 1484 | Marine Plant Hd 8 | 8 |
| | 1485 | Marine Plant Hd 9 | 9 |
| | 1603 | Marine Plant Hd 10 | 10 |
| | 1604 | Marine Plant Hd 11 | 11 |
| | 28617 | Marine Plant Harvest District 11A | 11A |
| | 28618 | Marine Plant Harvest District 11B | 11B |
| | 1605 | Marine Plant Hd 12 | 12 |
| | 1606 | Marine Plant Hd 13 | 13 |
| | 1607 | Marine Plant Hd 14 | 14 |
| 108 - NL - Sea Urchin | | | |
| | Code_Id | Desc_Eng | Abbrv_Eng |
| | 2071 | Lobster Fishing Area 01 | 1 |
| | 1652 | Lobster Fishing Area 02 | 2 |
| | 1653 | Lobster Fishing Area 03 | 3 |
| | 25335 | Lobster Fishing Area 04 | 4 |
| | 2073 | Lobster Fishing Area 04a | 4a |
| | 1654 | Lobster Fishing Area 04b | 4b |
| | 1655 | Lobster Fishing Area 05 | 5 |
| | 2075 | Lobster Fishing Area 06 | 6 |
| | 2077 | Lobster Fishing Area 07 | 7 |
| | 2079 | Lobster Fishing Area 08 | 8 |
| | 2081 | Lobster Fishing Area 09 | 9 |
| | 39674 | Lobster Fishing Area 09a | 9a |
| | 39675 | Lobster Fishing Area 09b | 9b |

| Fma_Id vs Sub-forms | | | |
|---|------|---|-----|
| General_info.Subform_id – Sub-form name | | Effort.Fma_Id - Fishery management area | |
| | 2083 | Lobster Fishing Area 10 | 10 |
| | 2085 | Lobster Fishing Area 11 | 11 |
| | 2087 | Lobster Fishing Area 12 | 12 |
| | 2089 | Lobster Fishing Area 13a | 13a |
| | 2091 | Lobster Fishing Area 13b | 13b |
| | 2093 | Lobster Fishing Area 14a | 14a |
| | 2095 | Lobster Fishing Area 14b | 14b |
| | 2097 | Lobster Fishing Area 14c | 14c |

Ref tables: Mv_fma