



Fisheries and Oceans  
Canada

Pêches et Océans  
Canada

Fact sheet

ELOG - Logbook – Groundfish

All DFO Regions

(FS-NAT-232-7-EN)

January 30, 2026

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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 sub-forms. 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 form<sup>1</sup>. Data elements that must contain a value in the XML file for all sub-forms are identified using a “Y” in column “REQUIRED?” of the form<sup>1</sup> (see Standard for the development of electronic logbook client applications, section 3.4 for more details on the forms).

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

Observance of the rules set out in this document and in the form<sup>1</sup> and sub-forms 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 – Groundfish	232

## 3. Fact sheet validity date

Version	Valid since	Expiry date
232.1	2022-03-01	2022-05-31
232.2	2022-06-01	2022-10-02
232.3	2022-10-03	2023-10-15
232.4	2023-10-16	2024-10-27
232.5	2024-10-28	2024-12-08
232.6	2024-12-09	2026-01-29
232.7	2026-01-30	

<sup>1</sup> See document 43788.232.NATIONAL - ELOG - Logbook – Groundfish - JBE - Journal de bord – Poisson de fond.csv

## 4. Change history

Version	Date	Description of change
232.1	2022-03-01	Creation of version 232.1
232.2	2022-06-01	Corrections of French species name in Appendix C. No changes in this document.
232.3	2022-10-03	<ul style="list-style-type: none"> <li>- Addition of gears in Appendix B for NL sub-forms 81 and 82 (gear_id 931, 10589 and 39620)</li> <li>- Rule #915 split in 2 rules; 915a and 915b. (Addition of valid values for PCONS.SPECIE_FRM_ID)</li> <li>- Addition of rule #3014</li> <li>- Addition of species “Groundfish” (808) in Appendix C for sub-forms 83, 86 and 87. (To be consistent with rule #2035)</li> <li>- Atlantic Herring (3392) removed from list of Appendix A and C</li> <li>- Addition of rule #3015 (Effort_detail.Stat_sect_id) and Appendix E</li> <li>- Text of section 5.1 has been modified</li> <li>- Rule #2500: New version of DFO instructions files</li> </ul>
232.4	2023-10-16	<ul style="list-style-type: none"> <li>- Rule #940: Removal of element GR_DPTH_CAT_ID. Removal of depth restriction.</li> <li>- Rule #946: Correct rule to indicate Effort_detail.TOW_NUM</li> <li>- Clarification of rule #951</li> <li>- Remove Subform 87 from Rules #944a, 944b, 944e, 944f, 947a, 947e</li> <li>- Remove Subform 85 from Rule #947e</li> </ul>
232.5	2024-10-28	<ul style="list-style-type: none"> <li>- Rule #601: Removal of node HLOUT</li> <li>- Rule #609: Add missing Subform 87</li> <li>- Rule #902: Remove TRIP.START_DT because it is not used by the subforms included in the rule</li> <li>- Rule #131: Add reference to the GENERAL_INFO.SUBFORM_ID element</li> </ul>
232.6	2024-12-09	<ul style="list-style-type: none"> <li>- Rule #985: Add Rule</li> <li>- Add Appendix F: List of valid sub-forms for each administrative region</li> <li>- Rule #939: Removed</li> <li>- Rule #833: Add EFFORT_DETAIL.DATE_TIME</li> <li>- Rule #901: Removed</li> <li>- Rule #2500: New version of DFO instructions files</li> <li>- Removed “baited” from fishing gear 922 Hand line (baited)</li> </ul>
232.7	2026-01-30	<ul style="list-style-type: none"> <li>- <b>Removed BAIT_USED from Rule #601</b></li> <li>- <b>Removed Rule #609</b></li> <li>- <b>Addition of rule #3063</b></li> <li>- <b>Update to Rule 93</b></li> </ul>

## 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 – Groundfish, version 232).

## 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 this E-logbook.

### 5.2.1 Closure of data groups

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

Rule No.	Data group
1506	HLIN
1507	HLOUT
1503	SAR
1512	BAIT_USED
1516	TAG
1505	PCONS
1500	EFFORT
1508	LANDING

### 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.	Data group	Rule
1000	Elog	- Must contain at least one occurrence of the node General_info - Must contain at least one occurrence of the node Trip
1007	Hlin	If this data group is used: - Must contain at least one occurrence of the node Hlin
1009	Hlout	If this data group is used: - Must contain at least one occurrence of the node Hlout
1002	Sar	If this data group is used: - Must contain at least one occurrence of the node Sar
1004	Pcons	If this data group is used: - Must contain at least one occurrence of the node Pcons
1022	Bait_used	If this data group is used: - Must contain at least one occurrence of the node Bait_used
1034	Tag	If this data group is used: - Must contain at least one occurrence of the node Tag
1001	Effort	If this data group is used:

General rules – Minimal composition of data groups		
Rule No.	Data group	Rule
		<ul style="list-style-type: none"> <li>- Must contain at least one occurrence of the node Effort</li> <li>- Must contain at least one occurrence of the node Tgt_species</li> <li>- Must contain at least one occurrence of the node Effort_by_gear</li> <li>- Must contain at least one occurrence of the node Effort_detail</li> <li>- Must contain at least one occurrence of the node Catch</li> </ul>
<b>1003</b>	Landing	If this data group is used: <ul style="list-style-type: none"> <li>- Must contain at least one occurrence of the node Landing</li> </ul>
<b>1018</b>	(All data groups)	If a data group is not required by DFO or not used by the harvester, it should not appear un the XML file.

### 5.2.3 Restrictions on data groups

General rules – Restrictions on data groups		
Rule No.	Data group	Rule
<b>2035</b>	GENERAL_INFO.SUBFORM_ID EFFORT_DETAIL TGT_SPECIES CATCH	Each occurrence of node EFFORT_DETAIL must include at least one occurrence of the CATCH node having the species caught (Catch.Specie_id) equal to the targeted species (Tgt_species.Specie_id), even if there was no catch.  When there is no catch during the fishing effort, the fisher will have to report a quantity caught or a quantity kept of the targeted species equal to 0, depending on the quantity requested in the sub-form (Catch.Nb_spcmn_cght or Catch.Kept_wt).

### 5.2.4 Additional rules concerning the data groups

General rules – Additional rules concerning data groups		
Rule No.	Data group	Rule
<b>1050</b>	EFFORT	The client application <u>must not limit</u> the number of occurrences of the data group EFFORT that can be captured by the user **.  **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.

### 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
<b>608</b>	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_232.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>
<b>601</b>	HLIN <del>BAIT_USED</del> PCONS SAR TAG EFFORT LANDING	DG_CLOSE_DT	<p>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).</p>

General rules – restrictions on data elements			
Rule No.	Node(s)	Element(s)	Rule
<b>789</b>	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.
	PCONS	WT NB_SPCMN	
	BAIT_USED	WT AVG_BT_WT_PER_GR	
	TAG	SPCMN_LEN	
	EFFORT	NB_SETS	
	EFFORT_DETAIL	NB_TOWS TOT_GEAR_LEN RGGD_LEN NB_GEAR_HLD NB_GEAR_LST NB_SKT NB_HKS NB_HKS_LST SOAKED_DUR AVG_TOW_SPD WRP_LEN VERT_SPRD TGT_GR_DPTH START_FISH_GR_DPTH END_FISH_GR_DPTH AVG_GR_DPTH MID_FISH_GR_DPTH MIN_GR_DPTH MAX_GR_DPTH CATCH_DPTH	
	CATCH	NB_SPCMN_CGHT NB_SPCMN_CGHT_HOOKD NB_SPCMN_CGHT_ENTNGLD NB_SPCMN_KEPT KEPT_WT NB_SPCMN_DISC NB_SPCMN_DISC_LCD DISC_WT	
<b>602</b>	EFFORT	SAR_IND MM_INTER_IND LOST_GEAR_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.
	EFFORT_DETAIL	BT_PRTC_IND	
	CATCH	LEGALITY_IND MRKT_IND	



General rules – restrictions on data elements																															
Rule No.	Node(s)	Element(s)	Rule																												
940	TAG	CTCH_DPTH	These depths must be greater than or equal to 0 meters																												
	EFFORT_DETAIL	TGT_GR_DPTH START_FISH_GR_DPTH END_FISH_GR_DPTH AVG_GR_DPTH MID_FISH_GR_DPTH MIN_GR_DPTH MAX_GR_DPTH CATCH_DPTH																													
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>232</td><td>ELOG - Logbook – Groundfish</td></tr></table> Ref table : Mv_form_version	<u>Form version id</u>	<u>Description</u>	232	ELOG - Logbook – Groundfish																								
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232	ELOG - Logbook – Groundfish																														
<del>609</del>	<del>GENERAL_INFO</del>	<del>SUBFORM_ID</del>	<del>Only these values must be available and considered valid:-</del>  <table><tr><th><del><u>Subform id</u></del></th><th><del><u>Description</u></del></th></tr><tr><td><del>74</del></td><td><del>QC – Groundfish</del></td></tr><tr><td><del>75</del></td><td><del>MAR – Groundfish – Fixed Gear</del></td></tr><tr><td><del>76</del></td><td><del>MAR – Groundfish – Mobile Gear</del></td></tr><tr><td><del>77</del></td><td><del>MAR – Hagfish</del></td></tr><tr><td><del>78</del></td><td><del>GLF – Groundfish – Fixed Gear</del></td></tr><tr><td><del>79</del></td><td><del>GLF – Groundfish – Mobile Gear</del></td></tr><tr><td><del>80</del></td><td><del>GLF – Hagfish</del></td></tr><tr><td><del>81</del></td><td><del>NL – Groundfish – &lt;35' Fleet</del></td></tr><tr><td><del>82</del></td><td><del>NL – Groundfish – General Fishing Log</del></td></tr><tr><td><del>83</del></td><td><del>PAC – Groundfish – Hook and Line, Trap</del></td></tr><tr><td><del>86</del></td><td><del>PAC – Groundfish – Trawl</del></td></tr><tr><td><del>87</del></td><td><del>PAC – Groundfish – Longline</del></td></tr><tr><td><del>85</del></td><td><del>ARC – CPUE Data Sheet – Longline</del></td></tr></table> <del>Ref table : Mv_subforms</del>	<del><u>Subform id</u></del>	<del><u>Description</u></del>	<del>74</del>	<del>QC – Groundfish</del>	<del>75</del>	<del>MAR – Groundfish – Fixed Gear</del>	<del>76</del>	<del>MAR – Groundfish – Mobile Gear</del>	<del>77</del>	<del>MAR – Hagfish</del>	<del>78</del>	<del>GLF – Groundfish – Fixed Gear</del>	<del>79</del>	<del>GLF – Groundfish – Mobile Gear</del>	<del>80</del>	<del>GLF – Hagfish</del>	<del>81</del>	<del>NL – Groundfish – &lt;35' Fleet</del>	<del>82</del>	<del>NL – Groundfish – General Fishing Log</del>	<del>83</del>	<del>PAC – Groundfish – Hook and Line, Trap</del>	<del>86</del>	<del>PAC – Groundfish – Trawl</del>	<del>87</del>	<del>PAC – Groundfish – Longline</del>	<del>85</del>	<del>ARC – CPUE Data Sheet – Longline</del>
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<del>82</del>	<del>NL – Groundfish – General Fishing Log</del>																														
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General rules – restrictions on data elements																	
Rule No.	Node(s)	Element(s)	Rule														
2	GENERAL_INFO	REG_ID	<p>Only these values must be available and considered valid:</p> <table><tr><th>Code_id</th><th>Description</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>1008</td><td>Central &amp; Arctic</td></tr><tr><td>1010</td><td>Pacific</td></tr><tr><td>1014</td><td>Gulf</td></tr></table> <p>Ref table : Mv_dfo_region</p>	Code_id	Description	1002	Newfoundland	1004	Maritimes	1006	Quebec	1008	Central & Arctic	1010	Pacific	1014	Gulf
Code_id	Description																
1002	Newfoundland																
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1006	Quebec																
1008	Central & Arctic																
1010	Pacific																
1014	Gulf																
985	GENERAL_INFO	SUBFORM_ID REG_ID	<p>Only these sub-forms must be available and considered valid for the DFO administrative regions:</p> <p>(see <a href="#">Appendix F – List of valid sub-forms for each administrative regions</a>)</p> <p>Ref table: Mv_dfo_region, Mv_subforms</p>														
931	GENERAL_INFO	FIN (label)	<p>In the client application, all labels associated to element General_info.Fin must always be:</p> <p>In French: « NIP du <u>détenteur de permis</u> » In English: « <u>Licence holder</u>’s FIN »</p>														
260	GENERAL_INFO	FIN	<p>The Fisher Identification Number (General_info.Fin) must be made up of either:</p> <ul style="list-style-type: none"><li>- Nine digits (e.g.: 999999999) or</li><li>- One digit then one uppercase letter then seven digits (e.g.: 9D9999999). The letter must be C or D.</li></ul> <p>or</p> <ul style="list-style-type: none"><li>- Five digits (e.g.: 99999) or</li><li>- Six digits (e.g.: 999999) or</li><li>- “6ASU” followed by up to 5 digits (e.g.: 6ASU12345) or</li><li>- “DFOCC” followed by up to 9 digits (e.g.: DFOCC123456789).</li></ul>														
48	TRIP	TRIP_NUM	<p>A new trip number (Trip.trip_num) must be allocated automatically and sequentially for each new vessel trip.</p>														
3063	TRIP LANDING	PORT_ID	<p>Both port name (Mv_port.Desc_eng) and province name, if provided</p>														

General rules – restrictions on data elements											
Rule No.	Node(s)	Element(s)	Rule								
			(Mv_port.Prov_desc_eng) must be displayed to the user.  Ref table: Mv_port								
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.								
823	TRIP	START_DT	All these dates and time must be later than or equal to the trip start date and time (Trip.Start_dt).								
	TRIP	RET_DT									
	SAR	SAR_DT									
	EFFORT	START_DT END_DT									
	EFFORT_DETAIL	DATE_TIME START_DEPL_DT START_DT END_DT									
	LANDING	START_DT									
902	TRIP	FSH_SEAS_YR	When the selected sub-form (General_info.Subform_id) is one of:  <table><thead><tr><th>Subform_id</th><th>Description</th></tr></thead><tbody><tr><td>83</td><td>PAC - Groundfish - Hook and Line</td></tr><tr><td>85</td><td>ARC - CPUE Data Sheet – Longline</td></tr><tr><td>87</td><td>PAC - Groundfish – Longline</td></tr></tbody></table> Then year of these dates must be greater than or equal to the year of the fishing season (Trip.Fsh_seas_yr)	Subform_id	Description	83	PAC - Groundfish - Hook and Line	85	ARC - CPUE Data Sheet – Longline	87	PAC - Groundfish – Longline
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SAR	SAR_DT										
EFFORT	START_DT END_DT										
EFFORT_DETAIL	START_DEPL_DT START_DT END_DT										
LANDING	START_DT										
824	TRIP	FTCN_DT	All these dates and time must be before or equal to the current date and time (UTC), at the time of entry.								
	SAR	SAR_DT									
	EFFORT	START_DT END_DT									
	EFFORT_DETAIL	DATE_TIME START_DEPL_DT START_DT END_DT									
938	TRIP	START_DT RET_DT	These dates and times (UTC) cannot be later than the current UTC date and time plus 6 hours.								
	LANDING	START_DT									

General rules – restrictions on data elements																																							
Rule No.	Node(s)	Element(s)	Rule																																				
821	TRIP	RET_DT	The trip return date and time (Trip.Ret_dt) (UTC) must be prior or equal to the landing start date/time (Landing.Start_dt).																																				
	LANDING	START_DT																																					
822	TRIP	RET_DT	The trip return date and time (Trip.Ret_dt) (UTC) must be later than or equal to the latest effort end date/time (Effort.End_dt).																																				
	EFFORT	END_DT																																					
613	SAR	LAT	These latitudes must be greater than or equal to 40.0000 (deg) and less than or equal to 84.0000 (deg).																																				
	TAG	CTCH_LAT																																					
	EFFORT_DETAIL	LAT START_LAT END_LAT MID_LAT																																					
614	SAR	LONG	These longitudes must be greater than or equal to -141.0000 (deg) and less than or equal to -42.0000 (deg).																																				
	TAG	CTCH_LONG																																					
	EFFORT_DETAIL	LONG START_LONG END_LONG MID_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>11682</td><td>Res-mar Inc.</td></tr><tr><td>11683</td><td>Seaweigh</td></tr><tr><td>11685</td><td>Kémer 2000 Inc.</td></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>25098</td><td>Chéticamp Monitoring Association</td></tr><tr><td>25099</td><td>D&amp;D Pacific Fisheries Limited</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 &amp; Associates Ltd.</td></tr><tr><td>25107</td><td>Pèse-Pêche Inc.</td></tr><tr><td>38495</td><td>M. C. Wright and Associated Ltd</td></tr><tr><td>38498</td><td>Sea Tracker Dockside Monitoring</td></tr><tr><td>39493</td><td>Ecotrust Canada</td></tr><tr><td>39494</td><td>Ocean Catch Monitoring Inc.</td></tr></tbody></table>	<u>Code_id</u>	<u>Description</u>	11682	Res-mar Inc.	11683	Seaweigh	11685	Kémer 2000 Inc.	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	25101	Fish Harvesters' Resources Centre	25105	Island Weigh 95 Inc.	25106	JO Thomas & Associates Ltd.	25107	Pèse-Pêche Inc.	38495	M. C. Wright and Associated Ltd	38498	Sea Tracker Dockside Monitoring	39493	Ecotrust Canada	39494	Ocean Catch Monitoring Inc.
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General rules – restrictions on data elements																											
Rule No.	Node(s)	Element(s)	Rule																								
			39551 Pacific Coast Fishery Services Inc.  Ref table: Mv_service_provider																								
93	HLOUT	HLOUT_CIE_ID	Only these values must be available and considered valid:  <table><tr><th>Code_id</th><th>Description</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&amp;D Pacific Fisheries Limited</td></tr><tr><td>25106</td><td>JO Thomas &amp; Associates Ltd.</td></tr><tr><td>25110</td><td>Department of Fisheries and Oceans-Maritimes Region</td></tr><tr><td>38495</td><td>M. C. Wright and Associated Ltd</td></tr><tr><td>39493</td><td>Ecotrust Canada</td></tr><tr><td>39551</td><td>Pacific Coast Fishery Services Inc.</td></tr><tr><td>44524</td><td>Answer 365</td></tr></table> Ref table: Mv_Service_provider	Code_id	Description	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	25106	JO Thomas & Associates Ltd.	25110	Department of Fisheries and Oceans-Maritimes Region	38495	M. C. Wright and Associated Ltd	39493	Ecotrust Canada	39551	Pacific Coast Fishery Services Inc.	44524	Answer 365
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39551	Pacific Coast Fishery Services Inc.																										
44524	Answer 365																										
663	HLOUT	HLOUT_CIE_ID	The French description corresponding to code 25110 of table Mv_service_provider shall be replaced by “MPO Maritimes - Système interactif de reconnaissance vocale (IRV)”  The English description corresponding to code 25110 of table Mv_service_provider shall be																								

General rules – restrictions on data elements			
Rule No.	Node(s)	Element(s)	Rule
			replaced by « DFO Maritimes – Interactive Voice Recognition (IVR) system”  Table de référence : Mv_Service_provider
<b>825</b>	PCONS	SPECIE_ID	Only these species must be available and considered valid for the sub-form:  (see <u>Appendix C – List of species that can be declared in nodes CATCH or PCONS, per sub-forms</u> )  Ref table: Mv_species, Mv_subforms
	GENERAL_INFO	SUBFORM_ID	
<b>903</b>	PCONS	WT NB_SPCMN	In each occurrence of node PCONS, at least one quantity must be declared, so, at least one of these two elements (Pcons.Nb_spcmn or Pcons.wt) must contain a value greater than or equal to 0.
<b>32</b>	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).
<b>132</b>	EFFORT	FSH_TYP_ID	Only these values must be available and considered valid:  <u>Code_id</u> <u>Description</u> 38426   Commercial fishery  Ref table: Mv_fishing_type
<b>131</b>	GENERAL_INFO	SUBFORM_ID	Only these values must be available and considered valid:  <u>Code_id</u> <u>Description</u> (see <u>Appendix D – List of valid Fishery Management Areas, per sub-forms</u> )  Ref table: Mv_subforms, Mv_fma
	EFFORT	FMA_ID	
<b>941</b>	EFFORT	FMA_ID PFMA_ID	When the selected sub-form (General_info.Subform_id) is one of:  <u>Subform_id</u> <u>Description</u> 86   PAC - Groundfish - Trawl  Then the combination of these two elements (Effort.Fma_id and Effort.Pfma_id) must be

General rules – restrictions on data elements			
Rule No.	Node(s)	Element(s)	Rule
			<p>valid according to table MV_PAC_FMA_VS_PFMA.</p> <p>If at least one record is found in the table MV_PAC_FMA_VS_PFMA while using the following filter, then the combination is considered valid.</p> <p>Effort.Fma_id = Mv_pac_fma_vs_pfma.Fma_code_id Effort.Pfma_id = Mv_pac_fma_vs_pfma.Pfma_code_id</p> <p>Ref table : Mv_pac_fma_vs_pfma</p>
942	EFFORT	PFMA_ID	<p>Only values present in table Mv_pac_fma_vs_pfma (column Pfma_code_id) must be available and considered valid.</p> <p>Ref table : Mv_pac_fma_vs_pfma</p>
826	GENERAL_INFO	SUBFORM_ID	<p>Only these targeted species must be available and considered valid for the sub-form:</p> <p>(see <u>Appendix A – List of valid targeted species per sub-form</u>)</p> <p>Ref table: Mv_species, Mv_subforms</p>
	TGT_SPECIES	SPECIE_ID	
928	TGT_SPECIES	SPECIE_ID OTHR_SPC_DSC	<p>When the targeted species is “Other” (Tgt_species.Specie_id=814) then the entry of the species description (Tgt_species.Othr_spc_dsc) becomes mandatory. Otherwise, the entry of the species description must be blocked.</p> <p>Ref table: Mv_species</p>

General rules – restrictions on data elements			
Rule No.	Node(s)	Element(s)	Rule
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> <p><u>English:</u> Was there any interaction with a species at risk during this fishing effort?</p>
604	EFFORT	SAR_IND	<p>When the answer is 'Yes' (Effort.Sar_ind='Y'), then the following message must be displayed:</p> <p><u>French:</u> Veuillez compléter la section concernant les interactions avec une espèce en péril.</p> <p><u>English:</u> Please, complete the section concerning species at risk interactions.</p>
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 déclaration d'interaction avec un mammifère marin.</p> <p><u>English:</u> Please, complete the declaration of interaction with a marine mammal.</p> <p>Ref table: Mv_response</p>



General rules – restrictions on data elements			
Rule No.	Node(s)	Element(s)	Rule
<b>606</b>	EFFORT	LOST_GEAR_IND	<p>The label of this element must be:</p> <p><u>French:</u> Avez-vous perdu ou retrouvé un de vos engins de pêche durant cet effort de pêche?</p> <p><u>English:</u> Did you lose or find any of your fishing gear during this fishing effort?</p>
<b>607</b>	EFFORT	LOST_GEAR_IND	<p>When the answer is 'Yes' (Effort.Lost_gear_ind='Y'), then the following message must be displayed:</p> <p><u>French:</u> Veuillez compléter la déclaration concernant les engins de pêche perdus ou retrouvés</p> <p><u>English:</u> Please, complete the declaration concerning gears that were lost or found.</p> <p>Ref table: Mv_response</p>
<b>35</b>	EFFORT_BY_GEAR	GEAR_ID	<p>Only these fishing gears must be available and considered valid for the sub-form:</p> <p>(see <u>Appendix B – List of valid fishing gears per sub-form</u>)</p> <p>Ref table: Mv_gear_description, Mv_subforms</p>
	GENERAL_INFO	SUBFORM_ID	
<b>943</b>	EFFORT_BY_GEAR	GEAR_ID OTHR_GR_DSC	<p>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.</p> <p>Ref table: Mv_gear_description</p>

General rules – restrictions on data elements																			
Rule No.	Node(s)	Element(s)	Rule																
952	EFFORT_BY_GEAR	GEAR_ID GEAR_SBTYP_ID	<p>If the fishing gear (Effort_by_gear.Gear_id) is one of :</p> <table><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr><tr><td>914</td><td>Longline</td></tr><tr><td>925</td><td>Pots</td></tr></table> <p>Then the entry of this element (Effort_by_gear.Gear_sbtyp_id) is mandatory. Otherwise, the entry of this element must be blocked.</p> <p>Ref table: Mv_gear_description, Mv_gear_subtype</p>	<u>Code_id</u>	<u>Description</u>	914	Longline	925	Pots										
<u>Code_id</u>	<u>Description</u>																		
914	Longline																		
925	Pots																		
956	EFFORT_BY_GEAR	GEAR_ID GEAR_SBTYP_ID	<p>When the fishing gear selected is “Longline” (Effort_by_gear.Gear_id=914), then only these fishing gear subtypes must be available and considered valid:</p> <table><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr><tr><td>36438</td><td>with fixed hooks (conventional)</td></tr><tr><td>36440</td><td>Autoline</td></tr><tr><td>36442</td><td>with snap</td></tr><tr><td>36444</td><td>with swivelsnap</td></tr></table> <p>When the fishing gear selected is “Pot” (Effort_by_gear.Gear_id=925), then only these fishing gear subtypes must be available and considered valid:</p> <table><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr><tr><td>43811</td><td>Korean trap</td></tr><tr><td>43812</td><td>Collapsible trap</td></tr></table> <p>Ref table: Mv_gear_description, Mv_gear_subtype</p>	<u>Code_id</u>	<u>Description</u>	36438	with fixed hooks (conventional)	36440	Autoline	36442	with snap	36444	with swivelsnap	<u>Code_id</u>	<u>Description</u>	43811	Korean trap	43812	Collapsible trap
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General rules – restrictions on data elements											
Rule No.	Node(s)	Element(s)	Rule								
944a	GENERAL_INFO	SUBFORM_ID	<p>When the selected sub-form (General_info.Subform_id) is one of:</p> <table><thead><tr><th><u>Subform_id</u></th><th><u>Description</u></th></tr></thead><tbody><tr><td>83</td><td>PAC - Groundfish - Hook and Line</td></tr></tbody></table> <p>If the fishing gear (Effort_by_gear.Gear_id) is one of :</p> <table><thead><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr></thead><tbody><tr><td>914</td><td>Longline</td></tr></tbody></table> <p>Then the entry of these elements (Effort_by_gear.Gear_len, Effort_by_gear.Gang_sp and Effort_by_gear.Nb_hks_per_skt) is mandatory, otherwise, the entry of these elements must be blocked.</p> <p>Ref table: Mv_subforms, Mv_gear_description</p>	<u>Subform_id</u>	<u>Description</u>	83	PAC - Groundfish - Hook and Line	<u>Code_id</u>	<u>Description</u>	914	Longline
	<u>Subform_id</u>	<u>Description</u>									
83	PAC - Groundfish - Hook and Line										
<u>Code_id</u>	<u>Description</u>										
914	Longline										
EFFORT_BY_GEAR	GEAR_ID GEAR_LEN GANG_SP NB_HKS_PER_SKT										
944b	GENERAL_INFO	SUBFORM_ID									

General rules – restrictions on data elements													
Rule No.	Node(s)	Element(s)	Rule										
	EFFORT_BY_GEAR	GEAR_ID GEAR_SP	<p>When the selected sub-form (General_info.Subform_id) is one of:</p> <table><tr><th><u>Subform_id</u></th><th><u>Description</u></th></tr><tr><td>83</td><td>PAC - Groundfish - Hook and Line</td></tr></table> <p>if the fishing gear (Effort_by_gear.Gear_id) is one of :</p> <table><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr><tr><td>914</td><td>Longline</td></tr><tr><td>925</td><td>Pot</td></tr></table> <p>Then the entry of this element (Effort_by_gear.Gear_sp) is mandatory, otherwise, the entry of this element must be blocked.</p> <p>Ref table: Mv_subforms, Mv_gear_description</p>	<u>Subform_id</u>	<u>Description</u>	83	PAC - Groundfish - Hook and Line	<u>Code_id</u>	<u>Description</u>	914	Longline	925	Pot
<u>Subform_id</u>	<u>Description</u>												
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925	Pot												
944c	GENERAL_INFO	SUBFORM_ID	<p>When the selected sub-form (General_info.Subform_id) is one of:</p> <table><tr><th><u>Subform_id</u></th><th><u>Description</u></th></tr><tr><td>83</td><td>PAC - Groundfish - Hook and Line</td></tr></table> <p>If the fishing gear (Effort_by_gear.Gear_id) is one of :</p> <table><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr><tr><td>925</td><td>Pot</td></tr></table> <p>Then the entry of these elements (Effort_by_gear.Gear_sz, Nb_esc, Esc_dia) is mandatory, otherwise, the entry of these elements must be blocked.</p> <p>Ref table: Mv_subforms, Mv_gear_description</p>	<u>Subform_id</u>	<u>Description</u>	83	PAC - Groundfish - Hook and Line	<u>Code_id</u>	<u>Description</u>	925	Pot		
	<u>Subform_id</u>	<u>Description</u>											
83	PAC - Groundfish - Hook and Line												
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925	Pot												
	EFFORT_BY_GEAR	GEAR_ID GEAR_SZ NB_ESC ESC_DIA											
957	EFFORT_BY_GEAR	GEAR_ID ESC_CONFIG	<p>If the fishing gear (Effort_by_gear.Gear_id) is <b>NOT</b> one of :</p>										

General rules – restrictions on data elements			
Rule No.	Node(s)	Element(s)	Rule
			<u>Code_id</u> <u>Description</u> 925   Pot  Then the entry of the escape configuration (Effort_by_gear.Esc_config) must be blocked.  Ref table: Mv_gear_description
<b>955</b>	EFFORT_BY_GEAR	GEAR_SZ	The size of the fishing gear must be between 0 cm and 244 cm (8 feet) inclusively.

General rules – restrictions on data elements															
Rule No.	Node(s)	Element(s)	Rule												
945	EFFORT_BY_GEAR	GEAR_ID MSH_SZ	<p>If the fishing gear (Effort_by_gear.Gear_id) is one of:</p> <table><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr><tr><td>914</td><td>Longline</td></tr><tr><td>918</td><td>Troller lines</td></tr><tr><td>922</td><td>Hand line</td></tr><tr><td>925</td><td>Pot</td></tr><tr><td>10589</td><td>Hagfish Barrel</td></tr></table> <p>Then the entry of the mesh size (Effort_by_gear.Msh_sz) must be blocked.</p> <p>Ref table: Mv_gear_description</p>	<u>Code_id</u>	<u>Description</u>	914	Longline	918	Troller lines	922	Hand line	925	Pot	10589	Hagfish Barrel
<u>Code_id</u>	<u>Description</u>														
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944e	GENERAL_INFO	SUBFORM_ID	<p>When the selected sub-form (General_info.Subform_id) is one of:</p> <table><tr><th><u>Subform_id</u></th><th><u>Description</u></th></tr><tr><td>74</td><td>QC - Groundfish</td></tr><tr><td>75</td><td>MAR - Groundfish - Fixed Gear</td></tr><tr><td>83</td><td>PAC - Groundfish - Hook and Line</td></tr></table> <p>if the fishing gear (Effort_by_gear.Gear_id) is one of :</p> <table><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr><tr><td>914</td><td>Longline</td></tr><tr><td>918</td><td>Troller lines</td></tr><tr><td>922</td><td>Hand line</td></tr></table> <p>Then the entry of this element (Effort_by_gear.Hk_typ_id) is mandatory, otherwise, the entry of this element must be blocked.</p> <p>Ref table: Mv_subforms, Mv_gear_description, Mv_hook_type</p>	<u>Subform_id</u>	<u>Description</u>	74	QC - Groundfish	75	MAR - Groundfish - Fixed Gear	83	PAC - Groundfish - Hook and Line	<u>Code_id</u>	<u>Description</u>	914	Longline	918	Troller lines	922	Hand line
	<u>Subform_id</u>	<u>Description</u>																	
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EFFORT_BY_GEAR	GEAR_ID HK_TYP_ID																		
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75	MAR - Groundfish - Fixed Gear																		
83	PAC - Groundfish - Hook and Line																		
<u>Code_id</u>	<u>Description</u>																		
914	Longline																		
918	Troller lines																		
922	Hand line																		
EFFORT_BY_GEAR	GEAR_ID HK_SZ_ID																		



General rules – restrictions on data elements															
Rule No.	Node(s)	Element(s)	Rule												
944g	GENERAL_INFO	SUBFORM_ID	<p>When the selected sub-form (General_info.Subform_id) is one of:</p> <table><tr><th><u>Subform_id</u></th><th><u>Description</u></th></tr><tr><td>74</td><td>QC - Groundfish</td></tr></table> <p>if the fishing gear (Effort_by_gear.Gear_id) is one of:</p> <table><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr><tr><td>914</td><td>Longline</td></tr></table> <p>Then the entry of this element (Effort_by_gear.Hk_gape) is mandatory, otherwise, the entry of this element must be blocked.</p> <p>Ref table: Mv_subforms, Mv_gear_description</p>	<u>Subform_id</u>	<u>Description</u>	74	QC - Groundfish	<u>Code_id</u>	<u>Description</u>	914	Longline				
	<u>Subform_id</u>	<u>Description</u>													
74	QC - Groundfish														
<u>Code_id</u>	<u>Description</u>														
914	Longline														
EFFORT_BY_GEAR	GEAR_ID HK_GAPE														
946	GENERAL_INFO	SUBFORM_ID	<p>When the selected sub-form (General_info.Subform_id) is one of:</p> <table><tr><th><u>Subform_id</u></th><th><u>Description</u></th></tr><tr><td>82</td><td>NL - Groundfish - General Fishing Log</td></tr></table> <p>if the fishing gear (Effort_by_gear.Gear_id) is one of:</p> <table><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr><tr><td>1089</td><td>Trawls</td></tr><tr><td>888</td><td>Danish seine</td></tr><tr><td>889</td><td>Scottish seine</td></tr></table> <p>Then the entry of this element (Effort_detail.Tow_num) is mandatory, otherwise, the entry of this element must be blocked.</p> <p>Ref table: Mv_subforms, Mv_gear_description</p>	<u>Subform_id</u>	<u>Description</u>	82	NL - Groundfish - General Fishing Log	<u>Code_id</u>	<u>Description</u>	1089	Trawls	888	Danish seine	889	Scottish seine
	<u>Subform_id</u>	<u>Description</u>													
	82	NL - Groundfish - General Fishing Log													
<u>Code_id</u>	<u>Description</u>														
1089	Trawls														
888	Danish seine														
889	Scottish seine														
EFFORT_BY_GEAR	GEAR_ID														
	EFFORT_DETAIL	TOW_NUM													
95	EFFORT_DETAIL	TOW_NUM	<p>A new tow number (Effort_detail.tow_num) must be allocated automatically and sequentially for each new tow.</p>												

General rules – restrictions on data elements													
Rule No.	Node(s)	Element(s)	Rule										
947a	GENERAL_INFO	SUBFORM_ID	<p>When the selected sub-form (General_info.Subform_id) is one of:</p> <table><thead><tr><th><u>Subform_id</u></th><th><u>Description</u></th></tr></thead><tbody><tr><td>83</td><td>PAC - Groundfish - Hook and Line</td></tr></tbody></table> <p>if the fishing gear (Effort_by_gear.Gear_id) is one of:</p> <table><thead><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr></thead><tbody><tr><td>914</td><td>Longline</td></tr><tr><td>925</td><td>Pot</td></tr></tbody></table> <p>Then the entry of these elements (Effort_detail.Start_depl_dt and Effort_detail.Avg_gr_dist) is mandatory, otherwise, the entry of these elements must be blocked.</p> <p>Ref table: Mv_subforms, Mv_gear_description</p>	<u>Subform_id</u>	<u>Description</u>	83	PAC - Groundfish - Hook and Line	<u>Code_id</u>	<u>Description</u>	914	Longline	925	Pot
	<u>Subform_id</u>	<u>Description</u>											
	83	PAC - Groundfish - Hook and Line											
<u>Code_id</u>	<u>Description</u>												
914	Longline												
925	Pot												
EFFORT_BY_GEAR	GEAR_ID												
	EFFORT_DETAIL	START_DEPL_DT AVG_GR_DIST											
947b	GENERAL_INFO	SUBFORM_ID	<p>When the selected sub-form (General_info.Subform_id) is one of:</p> <table><thead><tr><th><u>Subform_id</u></th><th><u>Description</u></th></tr></thead><tbody><tr><td>78</td><td>GLF - Groundfish - Fixed Gear</td></tr></tbody></table> <p>if the fishing gear (Effort_by_gear.Gear_id) is one of :</p> <table><thead><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr></thead><tbody><tr><td>905</td><td>Gillnet</td></tr></tbody></table> <p>Then the entry of these elements (Effort_detail.Nb_gear_hld, Effort_detail.Tot_gear_len and Effort_detail.Msh_sz) is mandatory, otherwise, the entry of these elements must be blocked.</p> <p>Ref table: Mv_subforms, Mv_gear_description</p>	<u>Subform_id</u>	<u>Description</u>	78	GLF - Groundfish - Fixed Gear	<u>Code_id</u>	<u>Description</u>	905	Gillnet		
	<u>Subform_id</u>	<u>Description</u>											
	78	GLF - Groundfish - Fixed Gear											
<u>Code_id</u>	<u>Description</u>												
905	Gillnet												
EFFORT_BY_GEAR	GEAR_ID												
	EFFORT_DETAIL	NB_GEAR_HLD TOT_GEAR_LEN MSH_SZ											

General rules – restrictions on data elements																			
Rule No.	Node(s)	Element(s)	Rule																
947c	GENERAL_INFO	SUBFORM_ID	When the selected sub-form (General_info.Subform_id) is one of:  <table><tr><th><u>Subform_id</u></th><th><u>Description</u></th></tr><tr><td>82</td><td>NL - Groundfish - General Fishing Log</td></tr></table> if the fishing gear (Effort_by_gear.Gear_id) is one of:  <table><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr><tr><td>914</td><td>Longline</td></tr><tr><td>905</td><td>Gillnet</td></tr><tr><td>922</td><td>Hand line</td></tr><tr><td>925</td><td>Pot</td></tr><tr><td>924</td><td>Trap net</td></tr></table> Then the entry of these elements (Effort_detail.Nb_gear_hld) is mandatory, otherwise, the entry of these elements must be blocked.  Ref table: Mv_subforms, Mv_gear_description	<u>Subform_id</u>	<u>Description</u>	82	NL - Groundfish - General Fishing Log	<u>Code_id</u>	<u>Description</u>	914	Longline	905	Gillnet	922	Hand line	925	Pot	924	Trap net
	<u>Subform_id</u>	<u>Description</u>																	
	82	NL - Groundfish - General Fishing Log																	
<u>Code_id</u>	<u>Description</u>																		
914	Longline																		
905	Gillnet																		
922	Hand line																		
925	Pot																		
924	Trap net																		
EFFORT_BY_GEAR	GEAR_ID																		
EFFORT_DETAIL	NB_GEAR_HLD																		
947d	GENERAL_INFO	SUBFORM_ID	When the selected sub-form (General_info.Subform_id) is one of:  <table><tr><th><u>Subform_id</u></th><th><u>Description</u></th></tr><tr><td>78</td><td>GLF - Groundfish - Fixed Gear</td></tr></table> if the fishing gear (Effort_by_gear.Gear_id) is one of:  <table><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr><tr><td>914</td><td>Longline</td></tr><tr><td>922</td><td>Hand line</td></tr></table> Then the entry of these elements (Effort_detail.Hk_typ_id, Effort_detail.Hk_sz_id) is mandatory, otherwise, the entry of these elements must be blocked.  Ref table: Mv_subforms, Mv_gear_description, Mv_hook_type, Mv_hook_size	<u>Subform_id</u>	<u>Description</u>	78	GLF - Groundfish - Fixed Gear	<u>Code_id</u>	<u>Description</u>	914	Longline	922	Hand line						
	<u>Subform_id</u>	<u>Description</u>																	
	78	GLF - Groundfish - Fixed Gear																	
<u>Code_id</u>	<u>Description</u>																		
914	Longline																		
922	Hand line																		
EFFORT_BY_GEAR	GEAR_ID																		
EFFORT_DETAIL	HK_TYP_ID HK_SZ_ID																		

General rules – restrictions on data elements																			
Rule No.	Node(s)	Element(s)	Rule																
947e	GENERAL_INFO	SUBFORM_ID	<p>When the selected sub-form (General_info.Subform_id) is one of:</p> <table><thead><tr><th><u>Subform_id</u></th><th><u>Description</u></th></tr></thead><tbody><tr><td>78</td><td>GLF - Groundfish - Fixed Gear</td></tr><tr><td>75</td><td>MAR - Groundfish - Fixed Gear</td></tr><tr><td>83</td><td>PAC - Groundfish - Hook and Line</td></tr></tbody></table> <p>if the fishing gear (Effort_by_gear.Gear_id) is one of:</p> <table><thead><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr></thead><tbody><tr><td>914</td><td>Longline</td></tr><tr><td>922</td><td>Hand line</td></tr><tr><td>918</td><td>Troller lines</td></tr></tbody></table> <p>Then the entry of this element (Effort_detail.Nb_hks) is mandatory, otherwise, the entry of this element must be blocked.</p> <p>Ref table: Mv_subforms, Mv_gear_description</p>	<u>Subform_id</u>	<u>Description</u>	78	GLF - Groundfish - Fixed Gear	75	MAR - Groundfish - Fixed Gear	83	PAC - Groundfish - Hook and Line	<u>Code_id</u>	<u>Description</u>	914	Longline	922	Hand line	918	Troller lines
	<u>Subform_id</u>	<u>Description</u>																	
	78	GLF - Groundfish - Fixed Gear																	
75	MAR - Groundfish - Fixed Gear																		
83	PAC - Groundfish - Hook and Line																		
<u>Code_id</u>	<u>Description</u>																		
914	Longline																		
922	Hand line																		
918	Troller lines																		
EFFORT_BY_GEAR	GEAR_ID																		
	EFFORT_DETAIL	NB_HKS																	
947f	GENERAL_INFO	SUBFORM_ID	<p>When the selected sub-form (General_info.Subform_id) is one of:</p> <table><thead><tr><th><u>Subform_id</u></th><th><u>Description</u></th></tr></thead><tbody><tr><td>75</td><td>MAR - Groundfish - Fixed Gear</td></tr></tbody></table> <p>if the fishing gear (Effort_by_gear.Gear_id) is one of:</p> <table><thead><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr></thead><tbody><tr><td>905</td><td>Gillnet</td></tr></tbody></table> <p>Then the entry of these elements (Effort_detail.Rggd_len and Effort_detail.Nb_skt) is mandatory, otherwise, the entry of these elements must be blocked.</p> <p>Ref table: Mv_subforms, Mv_gear_description, Mv_hook_type, Mv_hook_size</p>	<u>Subform_id</u>	<u>Description</u>	75	MAR - Groundfish - Fixed Gear	<u>Code_id</u>	<u>Description</u>	905	Gillnet								
	<u>Subform_id</u>	<u>Description</u>																	
	75	MAR - Groundfish - Fixed Gear																	
<u>Code_id</u>	<u>Description</u>																		
905	Gillnet																		
EFFORT_BY_GEAR	GEAR_ID																		
	EFFORT_DETAIL	RGGD_LEN NB_SKT																	

General rules – restrictions on data elements																	
Rule No.	Node(s)	Element(s)	Rule														
833	EFFORT_DETAIL	START_DEPL_DT START_DT END_DT DATE_TIME	These dates and times of the Effort_detail node must be between the effort start date/time (Effort.Start_dt) and the effort end date/time (Effort.End_dt) inclusively.														
	EFFORT	START_DT END_DT															
948	EFFORT_DETAIL	START_DT START_DEPL_DT	The effort hauling start date and time (Effort_detail.Start_dt) must be later than or equal to the gear deployment start date and time (Effort_detail.Start_depl_dt).														
743	EFFORT_DETAIL	START_DT END_DT	The effort end date and time (Effort_detail.End_dt) must be later than or equal to the effort start date and time (Effort_detail.Start_dt).														
3015	EFFORT_DETAIL	STAT_SECT_ID	See <a href="#">Appendix E</a> for the list of values that must be available and considered valid.  Ref table: Mv_stat_district_section														
915a	PCONS	SPECIE_FRM_ID	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>4691</td><td>Round</td></tr><tr><td>4667</td><td>Gutted Head On</td></tr><tr><td>4663</td><td>Gutted Head Off</td></tr><tr><td>4705</td><td>Wings</td></tr><tr><td>2009</td><td>Tail</td></tr><tr><td>39620</td><td>Other</td></tr></table> Ref table: Mv_species_product_form	<u>Code_id</u>	<u>Description</u>	4691	Round	4667	Gutted Head On	4663	Gutted Head Off	4705	Wings	2009	Tail	39620	Other
<u>Code_id</u>	<u>Description</u>																
4691	Round																
4667	Gutted Head On																
4663	Gutted Head Off																
4705	Wings																
2009	Tail																
39620	Other																
915b	CATCH	SPECIE_FRM_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>4691</td><td>Round</td></tr></table> Ref table: Mv_species_product_form	<u>Code_id</u>	<u>Description</u>	4691	Round										
<u>Code_id</u>	<u>Description</u>																
4691	Round																
836	GENERAL_INFO	SUBFORM_ID															

General rules – restrictions on data elements																												
Rule No.	Node(s)	Element(s)	Rule																									
	CATCH	SPECIE_ID	Only these species must be available and considered valid for the sub-form:  (see <u>Appendix C – List of species that can be declared in nodes CATCH or PCONS, per sub-forms</u> )  Ref table: Mv_species, Mv_subforms																									
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																									
950a	GENERAL_INFO	SUBFORM_ID	When the selected sub-form (General_info.Subform_id) is one of:																									
	CATCH	SPECIE_ID NB_SPCMN_CGHT_HOOKD NB_SPCMN_CGHT_ENTNGLD	<table><thead><tr><th><u>Subform_id</u></th><th><u>Description</u></th></tr></thead><tbody><tr><td>85</td><td>ARC - CPUE Data Sheet – Longline</td></tr></tbody></table> if the species caught (Catch.Specie_id) is one of :  <table><thead><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr></thead><tbody><tr><td>1903</td><td>Dogfish, Black</td></tr><tr><td>18554</td><td>Dogfishes unspecified</td></tr><tr><td>15992</td><td>Mako, Longfin</td></tr><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>1358</td><td>Shark, Porbeagle</td></tr><tr><td>13276</td><td>Shark, Thresher</td></tr><tr><td>1352</td><td>Shark, unspecified</td></tr><tr><td>1293</td><td>Spiny Dogfish</td></tr></tbody></table> Then the entry of these elements (Catch.Nb_spcmn_cgght_hookd and Catch.Nb_spcmn_cgght_entngld) is mandatory, otherwise, the entry of these elements must be blocked.  Ref table: Mv_subforms, Mv_species	<u>Subform_id</u>	<u>Description</u>	85	ARC - CPUE Data Sheet – Longline	<u>Code_id</u>	<u>Description</u>	1903	Dogfish, Black	18554	Dogfishes unspecified	15992	Mako, Longfin	1335	Shark, Basking	1337	Shark, Blue	1344	Shark, Greenland	1358	Shark, Porbeagle	13276	Shark, Thresher	1352	Shark, unspecified	1293
<u>Subform_id</u>	<u>Description</u>																											
85	ARC - CPUE Data Sheet – Longline																											
<u>Code_id</u>	<u>Description</u>																											
1903	Dogfish, Black																											
18554	Dogfishes unspecified																											
15992	Mako, Longfin																											
1335	Shark, Basking																											
1337	Shark, Blue																											
1344	Shark, Greenland																											
1358	Shark, Porbeagle																											
13276	Shark, Thresher																											
1352	Shark, unspecified																											
1293	Spiny Dogfish																											

General rules – restrictions on data elements																													
Rule No.	Node(s)	Element(s)	Rule																										
951	GENERAL_INFO	SUBFORM_ID	When the selected sub-form (General_info.Subform_id) is one of:  <table><tr><th><u>Subform_id</u></th><th><u>Description</u></th></tr><tr><td>85</td><td>ARC - CPUE Data Sheet – Longline</td></tr></table>  if the species caught (Catch.Specie_id) is one of:  <table><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr><tr><td>1903</td><td>Dogfish, Black</td></tr><tr><td>18554</td><td>Dogfishes unspecified</td></tr><tr><td>15992</td><td>Mako, Longfin</td></tr><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>1358</td><td>Shark, Porbeagle</td></tr><tr><td>13276</td><td>Shark, Thresher</td></tr><tr><td>1352</td><td>Shark, unspecified</td></tr><tr><td>1293</td><td>Spiny Dogfish</td></tr></table>  Then the sum of the number of fish hooked (Catch.NB_spcmn_cgght_hookd) and the number of fish entangled (Catch.Nb_spcmn_cgght_entngld) must be equal to the number of fish caught (Catch.Nb_spcmn_cgght)  Ref table: Mv_subforms, Mv_species	<u>Subform_id</u>	<u>Description</u>	85	ARC - CPUE Data Sheet – Longline	<u>Code_id</u>	<u>Description</u>	1903	Dogfish, Black	18554	Dogfishes unspecified	15992	Mako, Longfin	1335	Shark, Basking	1337	Shark, Blue	1344	Shark, Greenland	1358	Shark, Porbeagle	13276	Shark, Thresher	1352	Shark, unspecified	1293	Spiny Dogfish
	<u>Subform_id</u>	<u>Description</u>																											
85	ARC - CPUE Data Sheet – Longline																												
<u>Code_id</u>	<u>Description</u>																												
1903	Dogfish, Black																												
18554	Dogfishes unspecified																												
15992	Mako, Longfin																												
1335	Shark, Basking																												
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1358	Shark, Porbeagle																												
13276	Shark, Thresher																												
1352	Shark, unspecified																												
1293	Spiny Dogfish																												
	CATCH	SPECIE_ID NB_SPCMN_CGHT NB_SPCMN_CGHT_HOOKD NB_SPCMN_CGHT_ENTNGLD																											

General rules – restrictions on data elements																	
Rule No.	Node(s)	Element(s)	Rule														
950b	GENERAL_INFO	SUBFORM_ID	<p>When the selected sub-form (General_info.Subform_id) is one of:</p> <table><tr><th><u>Subform_id</u></th><th><u>Description</u></th></tr><tr><td>83</td><td>PAC - Groundfish - Hook and Line</td></tr><tr><td>87</td><td>PAC - Groundfish - Longline</td></tr></table> <p>if the species caught (Catch.Specie_id) is one of:</p> <table><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr><tr><td>3378</td><td>Sablefish</td></tr><tr><td>4411</td><td>Halibut, Pacific</td></tr><tr><td>17288</td><td>Cod, Ling (OPHIODON ELONGATUS)</td></tr></table> <p>Then the entry of this element (Catch.Legality_ind) is mandatory, otherwise, the entry of this element must be blocked.</p> <p>Ref table: Mv_subforms, Mv_species</p>	<u>Subform_id</u>	<u>Description</u>	83	PAC - Groundfish - Hook and Line	87	PAC - Groundfish - Longline	<u>Code_id</u>	<u>Description</u>	3378	Sablefish	4411	Halibut, Pacific	17288	Cod, Ling (OPHIODON ELONGATUS)
	<u>Subform_id</u>	<u>Description</u>															
83	PAC - Groundfish - Hook and Line																
87	PAC - Groundfish - Longline																
<u>Code_id</u>	<u>Description</u>																
3378	Sablefish																
4411	Halibut, Pacific																
17288	Cod, Ling (OPHIODON ELONGATUS)																
CATCH	SPECIE_ID LEGALITY_IND																
950c	GENERAL_INFO	SUBFORM_ID	<p>When the selected sub-form (General_info.Subform_id) is one of:</p> <table><tr><th><u>Subform_id</u></th><th><u>Description</u></th></tr><tr><td>83</td><td>PAC - Groundfish - Hook and Line</td></tr><tr><td>87</td><td>PAC - Groundfish - Longline</td></tr></table> <p>if the species caught (Catch.Specie_id) is one of :</p> <table><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr><tr><td>18554</td><td>Dogfishes unspecified</td></tr><tr><td>36543</td><td>North Pacific Spiny Dogfish</td></tr></table> <p>Then the entry of this element (Catch.Mrkt_ind) is mandatory, otherwise, the entry of this element must be blocked.</p> <p>Ref table: Mv_subforms, Mv_species</p>	<u>Subform_id</u>	<u>Description</u>	83	PAC - Groundfish - Hook and Line	87	PAC - Groundfish - Longline	<u>Code_id</u>	<u>Description</u>	18554	Dogfishes unspecified	36543	North Pacific Spiny Dogfish		
	<u>Subform_id</u>	<u>Description</u>															
83	PAC - Groundfish - Hook and Line																
87	PAC - Groundfish - Longline																
<u>Code_id</u>	<u>Description</u>																
18554	Dogfishes unspecified																
36543	North Pacific Spiny Dogfish																
CATCH	SPECIE_ID MRKT_IND																



General rules – restrictions on data elements			
Rule No.	Node(s)	Element(s)	Rule
3014	CATCH	LEGALITY_IND KEPT_WT NB_SPCMN_KEPT	If the legality indicator is equal to “No” (Catch.Legality_ind='N'), then the quantity kept (Catch.Kept_wt and Catch.Nb_spcmn_kept) must be emptied and blocked.  Ref table: Mv_response
762	CATCH	NB_SPCMN_CGHT NB_SPCMN_CGHT_HOOKD NB_SPCMN_CGHT_ENTNGLD NB_SPCMN_KEPT KEPT_WT NB_SPCMN_DISC NB_SPCMN_DISC_LCD DISC_WT	In each occurrence of node CATCH, at least one quantity must be declared, so, at least one of these elements must contain a value greater than or equal to 0.
46	LANDING	START_DT	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).
	EFFORT	END_DT	

### 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.
	<b>Files</b>
	Files containing DFO instructions are: DFO instructions_NAT_232-4.0_eng.pdf (English version) DFO instructions_NAT_232-4.0_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	
74 - QC – Groundfish	1284	Cod, Atlantic
75 - MAR - Groundfish - Fixed Gear	1302	Cod, Greenland
76 - MAR - Groundfish - Mobile Gear	15210	Codfishes
78 - GLF - Groundfish - Fixed Gear	1299	Flatfishes, not specified
79 - GLF - Groundfish - Mobile Gear	1298	Flounder, Winter
81 - NL - Groundfish - <35' Fleet	1373	Flounder, Witch
82 - NL - Groundfish - General Fishing Log	1385	Flounder, Yellowtail
	1303	Haddock
	1935	Hagfish, Atlantic
	1308	Hake, Silver
	1309	Hake, White
	1304	Halibut, Atlantic
	1300	Halibut, Greenland
	1314	Lumpfish
	1268	Monkfish
	1325	Plaice, American
	1326	Pollock
	18398	Redfishes
	14714	Sculpins (COTTIDAE)
	1353	Skates
	1367	Tomcod, Atlantic
	814	Other
85 - ARC - CPUE Data Sheet – Longline	1300	Halibut, Greenland
77 - MAR – Hagfish	1935	Hagfish, Atlantic
80 - GLF - Hagfish		
83 - PAC - Groundfish - Hook and Line	808	Groundfish
86 - PAC - Groundfish - Trawl		
87 - PAC - Groundfish - Longline		

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
74 - QC – Groundfish	25243 Bottom beam trawls 25244 Bottom nephrops trawl 876 Bottom otter trawl 877 Bottom otter trawl (side) 878 Bottom otter trawl (stern) 883 Bottom pair trawl 25242 Bottom trawls 25247 Midwater otter trawl 884 Midwater pair trawl 881 Midwater trawl (side) 882 Midwater trawl (stern) 879 Midwater trawl (unspecified) 10581 Modified bottom otter trawl 880 Modified groundfish trawl 3996 Otter twin trawls 25249 Pair trawls (not specified) 885 Semi/midwater pelagic trawl 1089 Trawls 914 Longline 905 Gillnet
78 - GLF - Groundfish - Fixed Gear	914 Longline 905 Gillnet 922 Hand line 39620 Other
75 - MAR - Groundfish - Fixed Gear	914 Longline 905 Gillnet 922 Hand line
76 - MAR - Groundfish - Mobile Gear	25242 Bottom trawls 879 Midwater trawl (unspecified) 888 Danish seine 889 Scottish seine
77 - MAR – Hagfish 80 - GLF – Hagfish	10589 Hagfish Barrel

Fishing gears vs Sub-forms		
General_info.Subform_id – Sub-form name	Effort_by_gear.Gear_id – Gear description	
79 - GLF - Groundfish - Mobile Gear	876	Bottom otter trawl
	25247	Midwater otter trawl
	3996	Otter twin trawls
	879	Midwater trawl (unspecified)
	886	Shrimp trawl
	897	Pair seine
	888	Danish seine
	889	Scottish seine
81 - NL - Groundfish - <35' Fleet	39620	Other
	914	Longline
	905	Gillnet
	922	Hand line
	925	Pot
	924	Trap net
	931	Cod pot (for rock cod)
	10589	Hagfish Barrel
82 - NL - Groundfish - General Fishing Log	39620	Other
	914	Longline
	905	Gillnet
	922	Hand line
	925	Pot
	924	Trap net
	1089	Trawls
	888	Danish seine
83 - PAC - Groundfish - Hook and Line	889	Scottish seine
	931	Cod pot (for rock cod)
	10589	Hagfish Barrel
	39620	Other
	914	Longline
	922	Hand line
	918	Troller lines
	925	Pot
86 - PAC - Groundfish - Trawl	1089	Trawls
87 - PAC - Groundfish - Longline	914	Longline
85 - ARC - CPUE Data Sheet – Longline	914	Longline

Ref tables: Mv\_subforms, Mv\_gear\_description

## Appendix C – List of species that can be declared in nodes CATCH or PCONS, 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 and PCONS so, only these species must be available and considered valid for the sub-form:

Species that can be selected/reported in sections catch (CATCH) or personal consumption (PCONS), per sub-forms		
General_info.Subform_id – Sub-form name	Catch.Specie_id – Species name	Pcons.Specie_id – Species name
74 - QC – Groundfish	1266	Alewife
75 - MAR - Groundfish - Fixed Gear	1270	Argentine
76 - MAR - Groundfish - Mobile Gear	1901	Butterfish, Atlantic
78 - GLF - Groundfish - Fixed Gear	1277	Capelin
79 - GLF - Groundfish - Mobile Gear	13855	Chimaeriformes
81 - NL - Groundfish - <35' Fleet	1269	Cod, Arctic
82 - NL - Groundfish - General Fishing Log	1284	Cod, Atlantic
85 - ARC - CPUE Data Sheet – Longline	15210	Codfishes
77 - MAR – Hagfish	1302	Cod, Greenland
80 - GLF - Hagfish	17288	Cod, Ling (OPHIODON ELONGATUS)
	1311	Crab, Norway King
	1919	Crab, Porcupine
	1288	Crab, Queen Snow
	1287	Crab, Rock
	15876	Crabs, Toad
	1285	Crab, Unspecified
	1921	Cunner
	1371	Cusk
	1903	Dogfish, Black
	18554	Dogfishes unspecified
	1296	Eel, American
	1299	Flatfishes, not specified
	10591	Flounder, Summer
	1298	Flounder, Winter
	1373	Flounder, Witch
	1385	Flounder, Yellowtail
	1330	Grenadier, Roughhead
	1331	Grenadier, Roundnose
	1301	Grenadiers
	808	Groundfish
	1303	Haddock
	1935	Hagfish, Atlantic
	1306	Hake, Blue
	1307	Hake, Red
	1308	Hake, Silver
	1309	Hake, White

Species that can be selected/reported in sections catch (CATCH) or personal consumption (PCONS), per sub-forms		
General_info.Subform_id – Sub-form name	Catch.Specie_id – Species name	Pcons.Specie_id – Species name
	1304	Halibut, Atlantic
	1300	Halibut, Greenland
	1312	Lobster
	1314	Lumpfish
	1315	Mackerel, Atlantic
	15992	Mako, Longfin
	1268	Monkfish
	1325	Plaice, American
	1326	Pollock
	1321	Pout, Ocean
	18398	Redfishes
	15214	Rocklings
	13404	Sandeels (Sandlances)
	14714	Sculpins (COTTIDAE)
	1340	Sea Cucumber
	3994	Searobins, Atlantic
	1345	Shad, American
	1335	Shark, Basking
	1337	Shark, Blue
	1344	Shark, Greenland
	1358	Shark, Porbeagle
	13276	Shark, Thresher
	1352	Shark, unspecified
	1274	Shrimp, Pandalus borealis
	1317	Shrimp, Pandalus montagui
	13299	Skate, Arctic
	1353	Skates
	17373	Smelts
	1969	Snakeblenny
	1293	Spiny Dogfish
	1361	Squid
	1359	Squid, Illex
	1360	Squid, Loligo
	1364	Sturgeon
	1366	Swordfish
	1975	Tilefish
	1367	Tomcod, Atlantic
	19107	Torpedo, Atlantic
	1985	Whelk
	1987	Windowpane
	1383	Wolffish, Atlantic
	814	Other

Species that can be selected/reported in sections catch (CATCH) or personal consumption (PCONS), per sub-forms		
General_info.Subform_id – Sub-form name	Catch.Specie_id – Species name	Pcons.Specie_id – Species name
83 - PAC - Groundfish - Hook and Line 86 - PAC - Groundfish - Trawl 87 - PAC - Groundfish - Longline	1270	Argentine
	4448	Bocaccio
	1277	Capelin
	15210	Codfishes
	17288	Cod, Ling (OPHIODON ELONGATUS)
	1889	Cod, Pacific
	15876	Crabs, Toad
	1285	Crab, Unspecified
	36543	North Pacific Spiny Dogfish
	18554	Dogfishes unspecified
	1299	Flatfishes, not specified
	4571	Flounder, Arrowtooth
	16893	Flounders, Lefteye
	17517	Flounders, Righteye
	4573	Flounder, Starry
	1301	Grenadiers
	15580	Hagfish, Pacific
	4413	Hake, Pacific
	4411	Halibut, Pacific
	4438	Pollock, Walleye
	18388	Perch, Pacific Ocean
	4442	Rockfish, Aurora
	18396	Rockfish, Bank
	4444	Rockfish, Black
	18393	Rockfish, Blackgill
	4446	Rockfish, Blue
	4450	Rockfish, Brown
	4452	Rockfish, Canary
	4454	Rockfish, Chilipepper
	4457	Rockfish, China
	4459	Rockfish, Copper
	18390	Rockfish, Dark
	4461	Rockfish, Darkblotched
	4463	Rockfish, Dusky
	18399	Rockfishes (SEBASTINAE)
	18389	Rockfish, Greenspotted
	4465	Rockfish, Greenstriped
	18397	Rockfish, Halfbanded
	4467	Rockfish, Harlequin
	4469	Rockfish, Northern
	4471	Rockfish, Puget Sound
	4473	Rockfish, Pygmy
	4475	Rockfish, Quillback

Species that can be selected/reported in sections catch (CATCH) or personal consumption (PCONS), per sub-forms	
General_info.Subform_id – Sub-form name	Catch.Specie_id – Species name Pcons.Specie_id – Species name
	4477 Rockfish, Redbanded 4479 Rockfish, Redstripe 4481 Rockfish, Rosethorn 4483 Rockfish, Rougheyeye 4485 Rockfish, Sharpchin 4487 Rockfish, Shortbelly 4489 Rockfish, Shortraker 4491 Rockfish, Silvergray 4440 Rockfish, Splitnose 4493 Rockfish, Stripetail 4495 Rockfish, Tiger 4497 Rockfish, Vermilion 4499 Rockfish, Widow 3380 Rockfish, Yelloweye 4501 Rockfish, Yellowmouth 4503 Rockfish, Yellowtail 3378 Sablefish 14714 Sculpins (COTTIDAE) 1961 Sculpin, Shorthorn 1340 Sea Cucumber 1345 Shad, American 1335 Shark, Basking 1337 Shark, Blue 13276 Shark, Thresher 1274 Shrimp, Pandalus borealis 14272 Skate, Abyssal (BATHYRAJA ABYSSICOLA) 14277 Skate, Alaska 14273 Skate, Aleutian 17825 Skate, Big 13298 Skate, Broad 17827 Skate, California 1355 Skate, Longnose 14281 Skate, Okhotsk 14280 Skate, Roughtail 1353 Skates 14274 Skate, Sandpaper 14275 Skate, Whiteblotched 14276 Skate, Whitebrow 17373 Smelts 14567 Sole, Roughscale 15286 Sole, Rex 15961 Sole, Forkline (Hybrid) 16179 Sole, Northern Rock



Species that can be selected/reported in sections catch (CATCH) or personal consumption (PCONS), per sub-forms	
General_info.Subform_id – Sub-form name	Catch.Specie_id – Species name Pcons.Specie_id – Species name
	16414 Sole, Deepsea 17709 Sole, Sand (PSETTICHTHYS MELANOSTICTUS) 4529 Sole, Butter 4531 Sole, C-O 4533 Sole, Curlfin 4535 Sole, Dover 4537 Sole, English 4539 Sole, Flathead 4541 Sole, Petrale 4543 Sole, Southern Rock 4547 Sole, Slender 4549 Sole, Yellowfin 1293 Spiny Dogfish 1361 Squid 1360 Squid, Loligo 1364 Sturgeon 1366 Swordfish 18402 Thornyhead, Longspine 18401 Thornyhead, Shortspine 1377 Wolffish, Unspecified 808 Groundfish 814 Other

## Appendix D – List of valid Fishery Management Areas, per sub-forms

When using the sub-form identified in the first column, only the Fishery Management Areas (FMA) indicated in the second column can be selected/reported in node EFFORT so, only these FMAs must be available and considered valid for the sub-form:

FMA that can be selected/reported in the EFFORT section (EFFORT) per sub-forms		
General_info.Subform_id – Sub-form name	Effort.Fma_id	FMA description
74 - QC – Groundfish 79 - GLF - Groundfish - Mobile Gear	25809	Groundfish Fishing Area 3PN
	28620	Groundfish Fishing Area 4R
	25805	Groundfish Fishing Area 4Ra
	25806	Groundfish Fishing Area 4Rb
	25807	Groundfish Fishing Area 4Rc
	25808	Groundfish Fishing Area 4Rd
	28622	Groundfish Fishing Area 4S
	25819	Groundfish Fishing Area 4S1
	25825	Groundfish Fishing Area 4S2
	25826	Groundfish Fishing Area 4S3
	25827	Groundfish Fishing Area 4S4
	25824	Groundfish Fishing Area 4S5
	28623	Groundfish Fishing Area 4T
	25816	Groundfish Fishing Area 4T1
	25817	Groundfish Fishing Area 4T2a
	25822	Groundfish Fishing Area 4T2b
	25821	Groundfish Fishing Area 4T3a
	25820	Groundfish Fishing Area 4T3b
	25828	Groundfish Fishing Area 4T4
	25823	Groundfish Fishing Area 4T5
	25811	Groundfish Fishing Area 4T6
	25818	Groundfish Fishing Area 4T7
	25815	Groundfish Fishing Area 4T8
	25813	Groundfish Fishing Area 4T9a
	25814	Groundfish Fishing Area 4T9b
	28626	Groundfish Fishing Area 4Vn
	25812	Groundfish Fishing Area 4VN1
	25810	Groundfish Fishing Area 4VN2
	28627	Groundfish Fishing Area 4Vs
	28629	Groundfish Fishing Area 4W
	28630	Groundfish Fishing Area 4X
	28631	Groundfish Fishing Area 5Y
	28632	Groundfish Fishing Area 5Z
	10534	Groundfish Fishing Area ATL
83 - PAC - Groundfish - Hook and Line 86 - PAC - Groundfish – Trawl 87 - PAC - Groundfish - Longline	25499	Pacific Groundfish Fishing Area 3C
	25500	Pacific Groundfish Fishing Area 3D
	25501	Pacific Groundfish Fishing Area 4B
	25502	Pacific Groundfish Fishing Area 5A
	25503	Pacific Groundfish Fishing Area 5B
	25504	Pacific Groundfish Fishing Area 5C
	25505	Pacific Groundfish Fishing Area 5D
	25506	Pacific Groundfish Fishing Area 5E

## Appendix E – List of valid Areas sections, per sub-forms

When using the sub-form identified in the first column, only the Areas sections (Stat\_sect\_id) indicated in the second column can be selected so, only these sections must be available and considered valid for the sub-form:

Areas sections that can be selected in node Effort_detail			
General_info.Subform_id – Sub-form name	Effort_detail. Stat_sect_id	Description of the section	Area
81 - NL - Groundfish - <35' Fleet	38063	1 - Cape Norman to Cape Bauld	A
	38064	2 - Cape Bauld to Lobster Point	A
	38065	3 - Lobster Point to Cape Fox	A
	38066	4 - Cape Fox to Partridge Point	A
	38067	5 - Partridge Point to Cape St. John	A
	38068	6 - Cape St. John to New Bay Head	B
	38069	7 - New Bay Head to Farewell Head	B
	38070	8 - Change Islands to Fogo Island	B
	38071	9 - Farewell Head to Cape Freels	B
	38072	10 - Cape Freels to Shoe Cove Point	C
	38073	11 - Shoe Cove Point to Southern Head	C
	38074	12 - Southern Head to Western Head	C
	38075	13 - Western Head Cape Bonavista	C
	38076	14 - Cape Bonavista to South Head	D
	38077	15 - South Head to Bonaventure Head	D
	38078	16 - Bonaventure Head to West Random Head	D
	38079	17 - West Random Head to Hopeall Head	D
	38080	18 - Hopeall Head to Salvage Point	D
	38081	19 - Salvage Point to Grates Point	D
	38082	20 - Grates Point to Western Head Bay	E
	38083	21 - Western Bay Head to Feather Point (overlap)	E
	38084	22 - Feather Point to Topsail Head	E
	38085	23 - Topsail Head to Cape St. Francis	E
	38086	24 - Cape St. Francis to Cape Spear	F
	38087	25 - Cape Spear to Cape Broyle	F
	38088	26 - Cape Broyle to Cape Race	F
	38089	27 - Cape Race to Cape Pine	G
	38090	28 - Cape Pine to Cape St. Mary's	G
	38091	29 - Cape St. Mary's to Bauld Head	H
	38092	30 - Bauld Head to Grandy Point	H
	38093	31 - Grandy Point to Jean de Baie Head	H
	38094	32 - Jean de Baie Head to Point Crewe	H
	38095	33 - Point Crewe to Point Rosie	I
	38096	34 - Point Rosie to Boxey Point	I
	38097	35 - Boxey Point to Pass Island Point	I
	38098	36 - Pass Island Point to Cape la Hune Cape	J
	38099	37 - Cape la Hune Cape to Fox Point	J

Areas sections that can be selected in node Effort_detail			
General_info.Subform_id – Sub-form name	Effort_detail. Stat_sect_id	Description of the section	Area
	38100	38 - Fox Point to Rose Blanche Point	J
	38101	39 - Rose Blanche Point to Cape Ray Cape	J
	38102	40 - Cape Ray Cape to Harbour Point	K
	38103	41 - Harbour Point to Cape St. George	K
	38104	42 - Cape St. George to Long Point	L
	38105	43 - Long Point to Broad Cove Point	L
	38106	44 - Broad Cove Point to Cape St. Gregory	L
	38107	45 - Cape St. Gregory to Martin's Point	M
	38108	46 - Martin's Point to Daniel's Harbour	M
	38109	47 - Daniel's Harbour to Point Riche	M
	38110	48 - Point Riche to Ferolle Point	N
	38111	49 - Ferolle Point to Cape Norman	N
	38112	50 - Point St. Charles to Wiseman Head	O
	38113	51 - Wiseman Head to Double Island	O
	38114	52 - Double Island to Northern Head	O
	38115	53 - Northern Head to Comfort Bight	O
	38116	54 - Comfort Bight to Cape St. Nicholas	O
	38117	55 - Cape St. Nicholas to Tub Island	O
	38118	56 - Tub Island to Cape Rouge	O
	38119	57 - Cape Rouge to Hopedale	P
	38120	58 - Hopedale to Red Islands	P
	38121	59 - Red Islands to Cape Mugford	P
	38122	60 - Cape Mugford to Cape Uviak	P
	38123	61 - Cape Uviak to Murphy Head	P
	38124	62 - Murphy Head to Cape Chidley	P

Ref tables: Mv\_subforms, Mv\_stat\_district\_section

## Appendix F - List of valid sub-forms for each administrative region

When the administrative region identified in the first column is selected, only the sub-forms indicated in the second column must be available and considered valid for the administrative region:

Administrative Region vs Sub-forms	
General_info.Reg_id – Region name	General_info.sub-form name
1002 Newfoundland	81 - NL - Groundfish - <35' Fleet
	82 - NL - Groundfish - General Fishing Log
1004 Maritimes	75 - MAR - Groundfish - Fixed Gear
	76 - MAR - Groundfish - Mobile Gear
	77 - MAR - Hagfish
1006 Quebec	74 - QC - Groundfish
1008 Arctic	85 - ARC - CPUE Data Sheet - Longline
1010 Pacific	83 - PAC - Groundfish - Hook and Line, Trap
	86 - PAC - Groundfish - Trawl
	87 - PAC - Groundfish - Longline
1014 Gulf	78 - GLF - Groundfish - Fixed Gear
	79 - GLF - Groundfish - Mobile Gear
	80 - GLF - Hagfish

Ref tables: Mv\_dfo\_region, Mv\_subforms