



Fisheries and Oceans  
Canada

Pêches et Océans  
Canada

## Fact sheet

# ELOG - Logbook – Herring, Mackerel, Smelt, Alewife and Capelin

## All DFO Regions

(FS-NAT-227-6-EN)

March 12, 2024

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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> 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 – Herring, Mackerel, Smelt, Alewife and Capelin	227

## 3. Fact sheet validity date

Version	Valid since	Expiry date
227.1	2021-09-20	2021-11-03
227.2	2021-11-04	2022-01-31
227.3	2022-01-31	2022-04-21
227.4	2022-04-22	2024-01-31
227.5	2024-02-01	2024-03-11
227.6	2024-03-12	

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<sup>1</sup> See document 39797.227.NATIONAL - ELOG - Logbook – Herring, Mackerel, Smelt, Alewife and Capelin - JBE - Journal de bord – Hareng, Maquereau, Éperlan, Gaspereau et Capelan.csv

#### 4. Change history

Version	Date	Description of change
227.1	2021-09-20	Creation of version 227.1
227.2	2021-11-04	Section “Client group” removed Modification of sub-forms names (standardization)
227.3	2022-01-31	Addition of rule #931 (FIN label)
227.4	2022-04-22	Addition of rule #302 (Effort_detail.Wtr_srf_temp added) Addition of rule #968 (Effort_detail.Fish_sz_id) Addition of rule #969 (Catch.Sblgl_disc_wt) Withdrawal of species 1299-Flatfishes not specified and 808-Groundfish from Appendix F which are considered too general. Addition of species White hake, Yellowtail flounder and Witch flounder in Appendix F Added species “Birds” in Appendix F for sub-forms 34 and 36 (PAC) Withdrawal of species “Other” from Appendix F for sub-form 35 Addition of rule #970 (Catch.Spcmn_cght_wt) Addition of rule #971 (Catch.Kept_wt,Catch.Nb_spcmn_kept,Nb_spcmn_disc) Withdrawal of rule #850 (Landing_dtl.From_pnd_num,Landing_dtl.Est_wt_land_from_pnd) Addition of rule #972 (Landing_dtl.From_pnd_num,Landing_dtl.Est_wt_land_from_pnd) Withdrawal of element Transfer.From_tow_num from rule #841 Withdrawal of rule #845 (Transfer.Released_at_sea_ind) – was unnecessary Text of section 5.1 modified. Rule 830 splitted in rules #830a, 830b and 830c (830b new rule) Rule 2500: New version of the “DFO instructions” documents (v. 2.0)
227.5	2024-02-01	Removal of rule #1502 – RSN_NOT_FISH not part of form Removal of rule #1017 – RSN_NOT_FISH not part of form Removal of node RSN_NOT_FISH from rules #601, #823 and #824 Rule 2500: New version of the “DFO instructions” documents (v. 2.1)
227.6	2024-03-12	Rule 2500: New version of the “DFO instructions” documents (v. 2.2)

## 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 – Herring, Mackerel, Smelt, Alewife and Capelin, version 227).

### 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 the each occurrence of the following data groups if the data group is used:

Rule No.	Data group
1506	HLIN
1507	HLOUT
1503	SAR
1505	PCONS
1500	EFFORT
1508	LANDING
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.	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
1001	Effort	If this data group is used: - 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
1003	Landing	If this data group is used: - Must contain at least one occurrence of the node Landing
1024	Transfer	If this data group is used: - Must contain at least one occurrence of the node Transfer - Must contain at least one occurrence of the node Transfer_dtl
1018	(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>2020</b>	EFFORT (nodes EFFORT_DETAIL, TGT_SPECIES and CATCH)	<p>In each occurrence of node EFFORT_DETAIL, 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 is no catch during the fishing effort, the fisher must enter 0 in the quantity kept (Catch.Kept_wt).</p>
<b>2010</b>	EFFORT (nodes EFFORT and TGT_SPECIES)	Only one occurrence of the node Tgt_species is allowed in an occurrence of the node EFFORT.
<b>2033</b>	EFFORT (CATCH)	<p>Each catch reported (All CATCH nodes) must have at least one quantity caught (kept or discard) having a value greater than or equal to 0, so:</p> <p>Catch.Kept_wt &gt;= 0 or            Catch.Nb_spcmn_kept &gt;= 0 or            Catch.Disc_wt &gt;= 0 or            Catch.Nb_spcmn_disc &gt;= 0</p>

### 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	<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
<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.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 PCONS SAR EFFORT LANDING TRANSFER	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				
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.				
	PCONS	WT					
	EFFORT_DETAIL	EST_WT_FSITE NB_TOWS NB_GEAR_HLD NB_HKS					
	CATCH	SPCMN_CGHT_WT NB_SPCMN_KEPT NB_SPCMN_DISC KEPT_WT DISC_WT					
	LANDING_DTL	EST_WT_LAND_FROM_PND EST_WT_LAND_FROM_SETS					
	TRANSFER_DTL	WT EST_WT_DEAD					
602	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.				
	TRIP	FSHD_IND IS_CR_IND USE_CR_IND					
	CATCH	ROE_IND SAMPLE_IND					
	LANDING	ALL_SAR_DCLD_IND					
	TRANSFER	RELEASED_AT_SEA_IND WEB_REMOVED_IND					
1	GENERAL_INFO	FORM_VER_ID	<p>Only this value must be available and considered valid:</p> <table><tr><th><u>Form_version_id</u></th><th><u>Description</u></th></tr><tr><td>227</td><td>ELOG - Logbook – Herring, Mackerel, Smelt, Alewife and Capelin</td></tr></table> <p>Ref table : Mv_form_version</p>	<u>Form_version_id</u>	<u>Description</u>	227	ELOG - Logbook – Herring, Mackerel, Smelt, Alewife and Capelin
<u>Form_version_id</u>	<u>Description</u>						
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General rules – restrictions on data elements																													
Rule No.	Node(s)	Element(s)	Rule																										
609	GENERAL_INFO	SUBFORM_ID	<p>Only these values must be available and considered valid:</p> <table><tr><th><u>Subform_id</u></th><th><u>Description</u></th></tr><tr><td>23</td><td>GLF - Gaspereau - Margaree River</td></tr><tr><td>24</td><td>GLF - Herring and Mackerel - Bait Fishery</td></tr><tr><td>25</td><td>GLF - Pelagics</td></tr><tr><td>26</td><td>GLF - Silverside</td></tr><tr><td>28</td><td>MAR - Herring and Mackerel - Fixed Gear</td></tr><tr><td>29</td><td>MAR - Herring - Mobile Gear</td></tr><tr><td>30</td><td>NL - General Fishing Log</td></tr><tr><td>31</td><td>QC - Pelagics</td></tr><tr><td>32</td><td>QC - Herring and Mackerel - Bait</td></tr><tr><td>34</td><td>PAC - Herring - ZY Special Use</td></tr><tr><td>35</td><td>PAC - JOT 2006</td></tr><tr><td>36</td><td>PAC - ZM ZY Direct Deliveries Vessel Log</td></tr></table> <p>Ref table : Mv_subforms</p>	<u>Subform_id</u>	<u>Description</u>	23	GLF - Gaspereau - Margaree River	24	GLF - Herring and Mackerel - Bait Fishery	25	GLF - Pelagics	26	GLF - Silverside	28	MAR - Herring and Mackerel - Fixed Gear	29	MAR - Herring - Mobile Gear	30	NL - General Fishing Log	31	QC - Pelagics	32	QC - Herring and Mackerel - Bait	34	PAC - Herring - ZY Special Use	35	PAC - JOT 2006	36	PAC - ZM ZY Direct Deliveries Vessel Log
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36	PAC - ZM ZY Direct Deliveries Vessel Log																												
2	GENERAL_INFO	REG_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>1014</td><td>Gulf</td></tr><tr><td>1004</td><td>Maritimes</td></tr><tr><td>1002</td><td>Newfoundland</td></tr><tr><td>1006</td><td>Quebec</td></tr><tr><td>1010</td><td>Pacific</td></tr></table> <p>Ref table : Mv_dfo_region</p>	<u>Code_id</u>	<u>Description</u>	1014	Gulf	1004	Maritimes	1002	Newfoundland	1006	Quebec	1010	Pacific														
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1014	Gulf																												
1004	Maritimes																												
1002	Newfoundland																												
1006	Quebec																												
1010	Pacific																												
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's</u> FIN »</p>																										

General rules – restrictions on data elements			
Rule No.	Node(s)	Element(s)	Rule
<b>260</b>	GENERAL_INFO	FIN	The Fisher Identification Number (General_info.Fin) must be made up of either : - 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 - “6ASU” followed by up to 5 digits (e.g.: 6ASU12345) or - “DFOCC” followed by up to 9 digits (e.g.: DFOCC123456789).
<b>265</b>	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.
<b>820</b>	TRIP	RET_DT START_DT	The trip return date and time (Trip.Ret_dt) (UTC) must be after the trip start date/time
<b>821</b>	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	
<b>822</b>	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	
<b>48</b>	TRIP	TRIP_NUM	A new trip number (Trip.Trip_num) must be allocated automatically and sequentially for each new fishing trip.
<b>181</b>	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.
<b>823</b>	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	
	EFFORT_DETAIL	START_DT	
	LANDING	START_DT	
	TRANSFER	TRNSF_DT	

General rules – restrictions on data elements			
Rule No.	Node(s)	Element(s)	Rule
<b>824</b>	TRIP	RET_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	
	EFFORT	END_DT	
	EFFORT	SNR_ON_DT	
	EFFORT	SNR_OFF_DT	
	EFFORT_DETAIL	START_DT	
	EFFORT_DETAIL	END_DT	
	EFFORT_DETAIL	SNR_ON_DT	
	EFFORT_DETAIL	SNR_OFF_DT	
	LANDING	START_DT	
	TRANSFER	TRNSF_DT	
<b>11</b>	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	
<b>12</b>	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.
<b>613</b>	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	LAT START_LAT END_LAT	
	TRANSFER	CTCH_LAT	
<b>614</b>	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	LONG START_LONG END_LONG	
	TRANSFER	CTCH_LONG	

General rules – restrictions on data elements																																									
Rule No.	Node(s)	Element(s)	Rule																																						
27	HLIN	HLIN_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>11682</td><td>Resmar</td></tr><tr><td>11683</td><td>Seaweigh</td></tr><tr><td>11685</td><td>Kémer 2000</td></tr><tr><td>25095</td><td>Atlantic Catch Data Ltd.</td></tr><tr><td>25097</td><td>Baywatch Dockside Monitoring</td></tr><tr><td>25096</td><td>Barrington Catch Monitoring Centre Association</td></tr><tr><td>25098</td><td>Chéticamp Monitoring Association</td></tr><tr><td>25105</td><td>Island Weigh 95 Inc.</td></tr><tr><td>25107</td><td>Pèse-Pêche Inc.</td></tr><tr><td>38498</td><td>Sea Tracker Dockside Monitoring</td></tr><tr><td>25101</td><td>Fish Harvesters' Resources Centres</td></tr><tr><td>39494</td><td>Ocean Catch Monitoring Inc.</td></tr><tr><td>25094</td><td>Archipelago Marine Research Ltd.</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>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></table> <p>Ref table: Mv_service_provider</p>	<u>Code_id</u>	<u>Description</u>	11682	Resmar	11683	Seaweigh	11685	Kémer 2000	25095	Atlantic Catch Data Ltd.	25097	Baywatch Dockside Monitoring	25096	Barrington Catch Monitoring Centre Association	25098	Chéticamp Monitoring Association	25105	Island Weigh 95 Inc.	25107	Pèse-Pêche Inc.	38498	Sea Tracker Dockside Monitoring	25101	Fish Harvesters' Resources Centres	39494	Ocean Catch Monitoring Inc.	25094	Archipelago Marine Research Ltd.	25099	D&D Pacific Fisheries Limited	25106	JO Thomas & Associates Ltd.	38495	M. C. Wright and Associated Ltd	39493	Ecotrust Canada	39551	Pacific Coast Fishery Services Inc.
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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>25110</td><td>Department of Fisheries and Oceans-Maritimes Region</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>25094</td><td>Archipelago Marine Research Ltd.</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>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></table> <p>Ref table: Mv_Service_provider</p>	<u>Code_id</u>	<u>Description</u>	25110	Department of Fisheries and Oceans-Maritimes Region	25095	Atlantic Catch Data Ltd.	25096	Barrington Catch Monitoring Centre Association	25097	Baywatch Dockside Monitoring	25094	Archipelago Marine Research Ltd.	25099	D&D Pacific Fisheries Limited	25106	JO Thomas & Associates Ltd.	38495	M. C. Wright and Associated Ltd	39493	Ecotrust Canada	39551	Pacific Coast Fishery Services Inc.																
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General rules – restrictions on data elements							
Rule No.	Node(s)	Element(s)	Rule				
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>Ref table: Mv_Service_provider</p>				
825	PCONS	SPECIE_ID	<p>Only these species must be available and considered valid for the sub-form:</p> <p>(see appendix F)</p> <p>Ref table: Mv_species, Mv_subforms</p>				
	GENERAL_INFO	SUBFORM_ID					
153	PCONS	SPECIE_FRM_ID	<p>Only these values must be available and considered valid:</p> <table><tr><td><u>Code_id</u></td><td><u>Description</u></td></tr><tr><td>4691</td><td>Round</td></tr></table> <p>Ref table: Mv_species_product_form</p>	<u>Code_id</u>	<u>Description</u>	4691	Round
<u>Code_id</u>	<u>Description</u>						
4691	Round						
32	EFFORT	START_DT END_DT	<p>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).</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 D)</p> <p>Ref table: Mv_species, Mv_subforms</p>				
	TGT_SPECIES	SPECIE_ID					

General rules – restrictions on data elements											
Rule No.	Node(s)	Element(s)	Rule								
827	TGT_SPECIES	SPECIE_ID	<p>When the targeted species (Tgt_species.Specie_id) <b>is NOT one of:</b></p> <table><thead><tr><th>Code_id</th><th>Description</th></tr></thead><tbody><tr><td>1277</td><td>Capelin</td></tr><tr><td>3392</td><td>Herring, Atlantic</td></tr><tr><td>1315</td><td>Mackerel, Atlantic</td></tr></tbody></table> <p>Then the entry of elements corresponding to a Fishery Management Area (Effort.Fma_id, Effort_detail.Start_fma_id and Effort_detail.End_fma_id) must be blocked.</p> <p>Ref table: Mv_fma, Mv_species</p>	Code_id	Description	1277	Capelin	3392	Herring, Atlantic	1315	Mackerel, Atlantic
	Code_id	Description									
	1277	Capelin									
3392	Herring, Atlantic										
1315	Mackerel, Atlantic										
EFFORT_DETAIL	START_FMA_ID END_FMA_ID										
EFFORT	FMA_ID										
828	TGT_SPECIES	SPECIE_ID	<p>When the targeted species is <b>Atlantic Herring</b> (Tgt_species.Specie_id=3392), then only these Fishery Management Areas (FMA) must be available and considered valid:</p> <p>(see Appendix A)</p> <p>When the targeted species is <b>Mackerel</b> (Tgt_species.Specie_id=1315), then only these Fishery Management Areas (FMA) must be available and considered valid:</p> <p>(see Appendix B)</p> <p>When the targeted species is <b>Capelin</b> (Tgt_species.Specie_id=1277), then only these Fishery Management Areas (FMA) must be available and considered valid:</p> <p>(see Appendix C)</p> <p>Ref table: Mv_fma, Mv_species</p>								
	EFFORT_DETAIL	START_FMA_ID END_FMA_ID									
	EFFORT	FMA_ID									

General rules – restrictions on data elements													
Rule No.	Node(s)	Element(s)	Rule										
829	GENERAL_INFO	SUBFORM_ID	When the selected sub-form is “GLF - Gaspereau - Margaree River” (General_info.Subform_id=23), then only this waterbody must be available and considered valid:  <table><tr><td><u>Code_id</u></td><td><u>Description</u></td></tr><tr><td>43253</td><td>Margaree River</td></tr></table> Ref table: Mv_subforms, Mv_waterbodies	<u>Code_id</u>	<u>Description</u>	43253	Margaree River						
	<u>Code_id</u>	<u>Description</u>											
43253	Margaree River												
EFFORT	WATERBODY_ID												
830a	GENERAL_INFO	SUBFORM_ID	When the selected sub-form is “MAR - Herring and Mackerel - Fixed Gear” (General_info.Subform_id=28), then only these licence subtypes (Effort.Lic_sbtyp_id) must be available and considered valid:  <table><tr><td><u>Code_id</u></td><td><u>Description</u></td></tr><tr><td>43248</td><td>Herring/Mackerel Bait</td></tr><tr><td>43249</td><td>Herring Fixed gear</td></tr><tr><td>43250</td><td>Mackerel Fixed gear</td></tr></table> Ref table: Mv_subforms, Mv_licence_subtype	<u>Code_id</u>	<u>Description</u>	43248	Herring/Mackerel Bait	43249	Herring Fixed gear	43250	Mackerel Fixed gear		
	<u>Code_id</u>	<u>Description</u>											
43248	Herring/Mackerel Bait												
43249	Herring Fixed gear												
43250	Mackerel Fixed gear												
EFFORT	LIC_SBTYP_ID												
830b	GENERAL_INFO	SUBFORM_ID	When the selected sub-form is “PAC - Herring - ZY Special Use” (General_info.Subform_id=34), then only these licence subtypes must be available and considered valid:  <table><tr><td><u>Code_id</u></td><td><u>Description</u></td></tr><tr><td>43830</td><td>ZY1 - Sport Bait</td></tr><tr><td>43831</td><td>ZY2 - Commercial Bait</td></tr><tr><td>43832</td><td>ZY3 - Human Food and Bait</td></tr><tr><td>43833</td><td>ZY4 - Zoo and Aquarium</td></tr></table> Ref table: Mv_subforms, Mv_licence_subtype	<u>Code_id</u>	<u>Description</u>	43830	ZY1 - Sport Bait	43831	ZY2 - Commercial Bait	43832	ZY3 - Human Food and Bait	43833	ZY4 - Zoo and Aquarium
	<u>Code_id</u>	<u>Description</u>											
43830	ZY1 - Sport Bait												
43831	ZY2 - Commercial Bait												
43832	ZY3 - Human Food and Bait												
43833	ZY4 - Zoo and Aquarium												
EFFORT	LIC_SBTYP_ID												



General rules – restrictions on data elements									
Rule No.	Node(s)	Element(s)	Rule						
830c	GENERAL_INFO	SUBFORM_ID	When the selected sub-form is “PAC - ZM ZY Direct Deliveries Vessel Log” (General_info.Subform_id=36), then only these licence subtypes must be available and considered valid:  <table><tr><td><u>Code_id</u></td><td><u>Description</u></td></tr><tr><td>43251</td><td>ZM (Food and Bait fishery)</td></tr><tr><td>43252</td><td>ZY (Special use)</td></tr></table> Ref table: Mv_subforms, Mv_licence_subtype	<u>Code_id</u>	<u>Description</u>	43251	ZM (Food and Bait fishery)	43252	ZY (Special use)
	<u>Code_id</u>	<u>Description</u>							
43251	ZM (Food and Bait fishery)								
43252	ZY (Special use)								
	EFFORT	LIC_SBTYP_ID							
831	EFFORT	SNR_ON_DT SNR_OFF_DT	These two elements (Effort.Snr_on_dt and Effort.Snr_off_dt) must both contain a value or both, be empty.						
832	EFFORT	SNR_ON_DT SNR_OFF_DT	The date and time the sonar was turned off (Effort.Snr_off_dt) must be later than or equal to the date and time the sonar was turned on (Effort.Snr_on_dt).						
603	EFFORT	SAR_IND	The label of this element must be:  <u>French:</u> Y a-t-il eu interaction avec une espèce en péril durant cet effort de pêche?  <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.						

General rules – restrictions on data elements			
Rule No.	Node(s)	Element(s)	Rule
<b>780</b>	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>
<b>781</b>	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>
<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>

General rules – restrictions on data elements			
Rule No.	Node(s)	Element(s)	Rule
<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 appendix E)</p> <p>Ref table: Mv_gear_description, Mv_subforms</p>
	GENERAL_INFO	SUBFORM_ID	
<b>615</b>	EFFORT_DETAIL	TOW_NUM NB_TOWS	<p>When sub-form is “NL - General Fishing Log” (General_info.Subform_id=30), either the tow number (Effort_detail.Tow_num) or the number of tows (Effort_detail.Nb_tows) must contain a value. Not both.</p>
<b>833</b>	EFFORT_DETAIL	DATE_TIME START_DT END_DT	<p>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.</p>
	EFFORT	START_DT END_DT	
<b>743</b>	EFFORT_DETAIL	START_DT END_DT	<p>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).</p>
<b>420</b>	EFFORT_DETAIL	GRID_ID	<p>Only the grids from map #1 are authorized. Therefore, only codes (Mv_grid.code_id) of grids having the first character of the French description (Mv_grid.desc_fre) equal to “1” are authorized. (e.g. 1GL24)</p> <p>Ref table: MV_GRID</p>
<b>616</b>	EFFORT_DETAIL	AVG_GR_DPTH	<p>The depth must be greater or equal than 0 and less than 5000 meters.</p>

General rules – restrictions on data elements											
Rule No.	Node(s)	Element(s)	Rule								
834	EFFORT_DETAIL	SNR_ON_DT SNR_OFF_DT	These two elements (Effort_detail.Snr_on_dt and Effort_detail.Snr_off_dt) must both contain a value or both, be empty.								
835	EFFORT_DETAIL	SNR_ON_DT SNR_OFF_DT	The date and time the sonar was turned off (Effort_detail.Snr_off_dt) must be later than or equal to the date and time the sonar was turned on (Effort_detail.Snr_on_dt).								
302	EFFORT_DETAIL	WTR_SRF_TEMP	The temperature at the surface of the water (EFFORT_DETAIL.WTR_SRF_TEMP) must be greater than or equal to -5 °C and less than or equal to 40 °C								
968	EFFORT_DETAIL	FISH_SZ_ID	Only these values must be available and considered valid:  <table><tr><td><u>Code_id</u></td><td><u>Description</u></td></tr><tr><td>826</td><td>Small</td></tr><tr><td>827</td><td>Medium</td></tr><tr><td>828</td><td>Large</td></tr></table> Ref table: Mv_species_size	<u>Code_id</u>	<u>Description</u>	826	Small	827	Medium	828	Large
<u>Code_id</u>	<u>Description</u>										
826	Small										
827	Medium										
828	Large										
836	CATCH	SPECIE_ID	Only these species must be available and considered valid for the sub-form:  (see appendix F)  Ref table: Mv_species, Mv_subforms								
	GENERAL_INFO	SUBFORM_ID									
837	CATCH	SPECIE_ID OTHR_SPC_DSC	When the species caught is “Other” or “Birds” (Catch.Specie_id=814 or Catch.Specie_id=14183) 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								
40	CATCH	SPECIE_FRM_ID	Only the following values must be available and considered valid:  <table><tr><td><u>Code_id</u></td><td><u>Description</u></td></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										

General rules – restrictions on data elements			
Rule No.	Node(s)	Element(s)	Rule
970	GENERAL_INFO	SUBFORM_ID	<p>When the selected sub-form (General_info.Subform_id) is one of:</p> <p><u>Subform_id</u>    <u>Description</u></p> <p>36                      PAC - ZM ZY Direct Deliveries Vessel Log</p> <p>...and the species caught is Pacific Herring (Catch.Species = 4408) then the entry of the total weight caught (Catch.Spcmn_cght_wt) is mandatory. Otherwise, the entry of the total weight caught must be blocked.</p>
	CATCH	SPECIE_ID SPCMN_CGHT_WT	
971a	GENERAL_INFO	SUBFORM_ID	<p>When the selected sub-form (General_info.Subform_id) is one of:</p> <p><u>Subform_id</u>    <u>Description</u></p> <p>36                      PAC - ZM ZY Direct Deliveries Vessel Log</p> <p>...and the species caught is Pacific Herring (Catch.Species = 4408) then:</p> <ul style="list-style-type: none"> <li>- The entry of the kept weight (Catch.Kept_wt) is mandatory.</li> <li>- The entry of the number of specimen kept (Catch.Nb_spcmn_kept) must be blocked.</li> <li>- The entry of the number of specimen discarded (Catch.Nb_spcmn_disc) must be blocked.</li> </ul> <p>Ref table : Mv_subforms, Mv_species</p>
	CATCH	SPECIE_ID KEPT_WT NB_SPCMN_KEPT NB_SPCMN_DISC	

General rules – restrictions on data elements									
Rule No.	Node(s)	Element(s)	Rule						
971b	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>34</td><td>PAC - Herring - ZY Special Use</td></tr><tr><td>35</td><td>PAC - JOT 2006</td></tr></table> ...and the species caught is Pacific Herring (Catch.Species = 4408) then: - The entry of the kept weight (Catch.Kept_wt) is mandatory.  Ref table : Mv_subforms, Mv_species	<u>Subform_id</u>	<u>Description</u>	34	PAC - Herring - ZY Special Use	35	PAC - JOT 2006
	<u>Subform_id</u>	<u>Description</u>							
34	PAC - Herring - ZY Special Use								
35	PAC - JOT 2006								
CATCH	SPECIE_ID KEPT_WT NB_SPCMN_KEPT NB_SPCMN_DISC								
762	CATCH	KEPT_WT DISC_WT NB_SPCMN_KEPT NB_SPCMN_DISC	In each occurrence of node CATCH, at least one quantity must be declared, so, at least one of these four elements (Catch.Nb_spcmn_kept, Catch.Kept_wt, Catch.Nb_spcmn_disc or Catch.Disc_wt) must contain a value greater than or equal to 0.						
3016	CATCH	SPECIE_ID ENCOUNTER_TYP_ID	If the species caught (Catch.Specie_id) is <b>NOT one of</b> :  <table><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr><tr><td>14183</td><td>Birds</td></tr></table> Then the entry of the type of encounter (Catch.Encounter_typ_id) must be blocked.  Ref table: Mv_species, Mv_encounter_type	<u>Code_id</u>	<u>Description</u>	14183	Birds		
<u>Code_id</u>	<u>Description</u>								
14183	Birds								
839	CATCH	SPECIE_ID FEM_PCT	If the species caught (Catch.Specie_id) is <b>NOT one of</b> :  <table><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr><tr><td>1277</td><td>Capelin</td></tr></table> Then the entry of the percentage of females (Catch.Fem_pct) must be blocked.  Ref table: Mv_species	<u>Code_id</u>	<u>Description</u>	1277	Capelin		
<u>Code_id</u>	<u>Description</u>								
1277	Capelin								
840	CATCH	FEM_PCT	The percentage of females must be an integer between 0 and 100 inclusively.						

General rules – restrictions on data elements													
Rule No.	Node(s)	Element(s)	Rule										
969	GENERAL_INFO	SUBFORM_ID	<p>When the sub-form is one of:</p> <table><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr><tr><td>24</td><td>GLF - Herring and Mackerel - Bait Fishery</td></tr></table> <p>...and 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>3392</td><td>Herring, Atlantic</td></tr><tr><td>1315</td><td>Mackerel, Atlantic</td></tr></table> <p>Then the entry of the weight of small fishes (Catch.Sblgl_disc_wt) becomes Mandatory. Otherwise, the entry of weight of small fishes must be blocked.</p> <p>Ref table: Mv_subforms, Mv_species</p>	<u>Code_id</u>	<u>Description</u>	24	GLF - Herring and Mackerel - Bait Fishery	<u>Code_id</u>	<u>Description</u>	3392	Herring, Atlantic	1315	Mackerel, Atlantic
	<u>Code_id</u>	<u>Description</u>											
24	GLF - Herring and Mackerel - Bait Fishery												
<u>Code_id</u>	<u>Description</u>												
3392	Herring, Atlantic												
1315	Mackerel, Atlantic												
	CATCH	SPECIE_ID SBLGL_DISC_WT											
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											
972	LANDING_DTL	EST_WT_LAND_FROM_PND FROM_PND_NUM	<p>When the quantity landed that was coming from a pond is greater than 0 (Landing_dtl.Est_wt_land_from_pnd&gt;0), then the entry of the pond number (Landing_dtl.From_pnd_num) is mandatory.</p>										
841	TRANSFER	FROM_VRN FROM_PND_NUM	<p>In each occurrence of node Transfer, one and only one of these elements (Transfer.From_vrn or Transfer.From_pnd_num) indicating the provenance of fishes transferred must have a value entered.</p>										
842	TRANSFER	FROM_VRN FROM_VNAME	<p>The entry of the vessel name (Transfer.From_vname) must be blocked if the vessel registration number (Transfer.From_vrn) is empty.</p>										

General rules – restrictions on data elements			
Rule No.	Node(s)	Element(s)	Rule
843	TRANSFER	TO_VRN TO_PND_NUM RELEASED_AT_SEA_IND	<p>In each occurrence of node Transfer, one and only one of these elements (Transfer.To_vrn or Transfer.To_pnd_num or Transfer.Released_at_sea_ind) indicating the destination of fishes transferred must have a value entered.</p> <p>Note: The release at sea indicator (Transfer.Release_at_sea_ind) can only be set to 'Y' or remain empty. Use of a checkbox is suggested for this element.</p> <p>Ref table: Mv_response</p>
844	TRANSFER	TO_VRN TO_VNAME	The vessel name (Transfer.To_vname) must be blocked if the vessel registration number (Transfer.To_vrn) is empty.
846	TRANSFER	RELEASED_AT_SEA_IND	<p>The release at sea indicator (Transfer.Release_at_sea_ind) can only be set to 'Y' or not used at all. It cannot have the value "No" (Transfer.Release_at_sea_ind cannot be equal to 'N')</p> <p>Ref table: Mv_response</p>
847	TRANSFER	CTCH_LAT CTCH_LONG	These elements (Transfer.Ctch_lat and Transfer.Ctch_long) must both contain a value or both be empty.
848	TRANSFER	FROM_PND_NUM WEB_REMOVED_IND	<p>The Web removed indicator (Transfer.Web_removed_ind) must be blocked if element Transfer.From_pnd_num is empty.</p> <p>If element Transfer.From_pnd_num contains a value, then the capture of element Transfer.Web_removed_ind is mandatory.</p> <p>Ref table: Mv_response</p>



General rules – restrictions on data elements							
Rule No.	Node(s)	Element(s)	Rule				
849	TRANSFER_DTL	SPECIE_ID	Only these species must be available and considered valid for the sub-form:  (see appendix G)  Ref table: Mv_species, Mv_subforms				
	GENERAL_INFO	SUBFORM_ID					
620	TRANSFER_DTL	SPECIE_FRM_ID	Only these values must be available and considered valid:  <table><tr><td><u>Code_id</u></td><td><u>Description</u></td></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						

### 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: <a href="#">DFO instructions_NAT_227-2.2_eng.pdf (English version)</a> <a href="#">DFO instructions_NAT_227-2.2_fre.pdf (French version)</a>

## Appendix A – Herring Fishery Management Areas

When the targeted species is Atlantic Herring (Tgt\_species.Specie\_id=3392), then only these Fishery Management Areas must be available and considered valid:

Atlantic Herring – Fishery Management Areas (FMA)	
Effort.Fma_id Effort_detail.Start_fma_id Effort_detail.End_fma_id	Fishing Area
2047	Herring Fishing Area 01
1650	Herring Fishing Area 02
1651	Herring Fishing Area 03
2049	Herring Fishing Area 04
2051	Herring Fishing Area 05
2053	Herring Fishing Area 06
2055	Herring Fishing Area 07
2057	Herring Fishing Area 08
2059	Herring Fishing Area 09
2061	Herring Fishing Area 10
2063	Herring Fishing Area 11
2065	Herring Fishing Area 12
2067	Herring Fishing Area 13
2069	Herring Fishing Area 14
1482	Herring Fishing Area 15
28914	Herring Fishing Area 16
1563	Herring Fishing Area 16a
1564	Herring Fishing Area 16b
1565	Herring Fishing Area 16c
1566	Herring Fishing Area 16d
1567	Herring Fishing Area 16e
1568	Herring Fishing Area 16f
1569	Herring Fishing Area 16g
1570	Herring Fishing Area 17
1571	Herring Fishing Area 18
1572	Herring Fishing Area 19
28915	Herring Fishing Area 19I
28916	Herring Fishing Area 19O
1573	Herring Fishing Area 20
28917	Herring Fishing Area 20Ei
28918	Herring Fishing Area 20Eo
28919	Herring Fishing Area 20W
1574	Herring Fishing Area 21
1575	Herring Fishing Area 22
28705	Inshore Herring Fishing Area - 1

Atlantic Herring – Fishery Management Areas (FMA)	
Effort.Fma_id Effort_detail.Start_fma_id Effort_detail.End_fma_id	Fishing Area
28706	Inshore Herring Fishing Area - 2
28707	Inshore Herring Fishing Area - 3
28708	Inshore Herring Fishing Area - 4
28920	Herring Fishing Area 5Ze

Ref table : Mv\_fma

## Appendix B – Mackerel Fishery Management Areas

When the targeted species is Mackerel (Tgt\_species.Specie\_id= 1315), then only these Fishery Management Areas must be available and considered valid:

<b>Mackerel – Fishery Management Areas (FMA)</b>	
Effort.Fma_id Effort_detail.Start_fma_id Effort_detail.End_fma_id	<b>Fishing Area</b>
2099	Mackerel Fishing Area 01
1656	Mackerel Fishing Area 02
2101	Mackerel Fishing Area 03
2103	Mackerel Fishing Area 04
2105	Mackerel Fishing Area 05
2107	Mackerel Fishing Area 06
2109	Mackerel Fishing Area 07
2111	Mackerel Fishing Area 08
2113	Mackerel Fishing Area 09
2115	Mackerel Fishing Area 10
2117	Mackerel Fishing Area 11
2119	Mackerel Fishing Area 12
2121	Mackerel Fishing Area 13
2123	Mackerel Fishing Area 14
1657	Mackerel Fishing Area 15
1596	Mackerel Fishing Area 16
1597	Mackerel Fishing Area 17
1598	Mackerel Fishing Area 18
1599	Mackerel Fishing Area 19
1600	Mackerel Fishing Area 20
1601	Mackerel Fishing Area 21

Ref table : Mv\_fma

## Appendix C – Capelin Fishery Management Areas

When the targeted species is Capelin (Tgt\_species.Specie\_id= 1277), then only these Fishery Management Areas must be available and considered valid:

Capelin – Fishery Management Areas (FMA)	
Effort.Fma_id Effort_detail.Start_fma_id Effort_detail.End_fma_id	Fishing Area
1629	Capelin Fishing Area 01
1630	Capelin Fishing Area 02
1631	Capelin Fishing Area 03
1632	Capelin Fishing Area 04
1633	Capelin Fishing Area 05
1634	Capelin Fishing Area 06
1635	Capelin Fishing Area 07
1636	Capelin Fishing Area 08
1637	Capelin Fishing Area 09
1638	Capelin Fishing Area 10
1639	Capelin Fishing Area 11
1640	Capelin Fishing Area 12
1641	Capelin Fishing Area 13
1642	Capelin Fishing Area 14
1643	Capelin Fishing Area 15
1550	Capelin Fishing Area 16
1551	Capelin Fishing Area 17
1552	Capelin Fishing Area 18
1553	Capelin Fishing Area 19
1554	Capelin Fishing Area 20
4355	Capelin Fishing Area 21

Ref table : Mv\_fma

## Appendix D – 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	
23 - GLF - Gaspereau - Margaree River	1266	Alewife
24 - GLF - Herring and Mackerel - Bait Fishery	3392	Herring, Atlantic
32 - QC - Herring and Mackerel - Bait	1315	Mackerel, Atlantic
26 - GLF - Silverside	16349	Silverside, Atlantic
28 - MAR - Herring and Mackerel - Fixed Gear	3392	Herring, Atlantic
	1315	Mackerel, Atlantic
29 - MAR - Herring - Mobile Gear	3392	Herring, Atlantic
25 - GLF - Pelagics	1266	Alewife
30 - NL - General Fishing Log	1277	Capelin
31 - QC - Pelagics	3392	Herring, Atlantic
	1315	Mackerel, Atlantic
	17375	Smelt
	16349	Silverside, Atlantic
34 - PAC - Herring - ZY Special Use	4408	Herring, Pacific
35 - PAC - JOT 2006		
36 - PAC - ZM ZY Direct Deliveries Vessel Log		

Ref tables: Mv\_subforms, Mv\_species

## Appendix E – 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	
23 - GLF - Gaspereau - Margaree River	924	Trap net
	39620	Other
24 - GLF - Herring and Mackerel - Bait Fishery	905	Gillnet
	906	Gillnet (drift)
	39620	Other
25 - GLF - Pelagics	879	Midwater trawl (unspecified)
	897	Pair seine
	895	Purse seine
	896	Lampara
	39620	Other
26 - GLF - Silverside	924	Trap net
	39620	Other
28 - MAR - Herring and Mackerel - Fixed Gear	905	Gillnet
	906	Gillnet (drift)
	922	Hand line (baited)
	890	Beach and bar seine
	924	Trap net
	926	Weir
	39620	Other
29 - MAR - Herring - Mobile Gear	879	Midwater trawl (unspecified)
	895	Purse seine
	39620	Other

Fishing gears vs Sub-forms		
General_info.Subform_id – Sub-form name	Effort_by_gear.Gear_id – Gear description	
30 - NL - General Fishing Log	920	Automated jigger (hand line)
	905	Gillnet
	906	Gillnet (drift)
	3998	Rod and Reel
	922	Hand line (baited)
	879	Midwater trawl (unspecified)
	890	Beach and bar seine
	897	Pair seine
	895	Purse seine
	896	Lampara
	924	Trap net
	926	Weir
	39620	Other
31 - QC - Pelagics	920	Automated jigger (hand line)
	905	Gillnet
	906	Gillnet (drift)
	922	Hand line (baited)
	895	Purse seine
	924	Trap net
32 - QC - Herring and Mackerel - Bait	39620	Other
	905	Gillnet
34 - PAC - Herring - ZY Special Use 35 - PAC - JOT 2006 36 - PAC - ZM ZY Direct Deliveries Vessel Log	879	Midwater trawl (unspecified)
	890	Beach and bar seine
	897	Pair seine
	895	Purse seine
	896	Lampara
	924	Trap net
	39620	Other

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



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

When using the sub-form identified in the first column, only the species indicated in the second column can be declared “caught” or “kept for personal consumption/usage”, so, only these species must be available and considered valid for the sub-form:

Species caught or Kept for personal usage vs Sub-forms	
General_info.Subform_id – Sub-form name	Catch.Specie_id – Species name Pcons.Specie_id – Species name
32 - QC - Herring and Mackerel - Bait 24 - GLF - Herring and Mackerel - Bait Fishery 26 - GLF - Silverside 23 - GLF - Gaspereau - Margaree River	1266 Alewife 1363 Bass, Striped 1277 Capelin 16349 Silverside, Atlantic 3392 Herring, Atlantic 1315 Mackerel, Atlantic 1345 Shad, American 814 Other
29 - MAR - Herring - Mobile Gear 30 - NL - General Fishing Log 31 - QC - Pelagics 28 - MAR - Herring and Mackerel - Fixed Gear 25 - GLF - Pelagics	3392 Herring, Atlantic 1315 Mackerel, Atlantic 1277 Capelin 1266 Alewife 1363 Bass, Striped 1334 Billfish 1284 Cod, Atlantic 15210 Codfishes 1917 Crab, Green 1298 Flounder, Winter 1373 Flounder, Witch 1385 Flounder, Yellowtail 1309 Hake, White 1304 Halibut, Atlantic 15992 Mako, Longfin 1325 Plaice, American 18398 Redfishes 14714 Sculpins (COTTIDAE) 1345 Shad, American 1353 Skates 1361 Squid 1359 Squid, Illex 1360 Squid, Loligo 1367 Tomcod, Atlantic 1273 Tuna, Bluefin (Thunnus thynnus) 814 Other
35 - PAC - JOT 2006	4408 Herring, Pacific

Species caught or Kept for personal usage vs Sub-forms	
General_info.Subform_id – Sub-form name	Catch.Specie_id – Species name Pcons.Specie_id – Species name
34 - PAC - Herring - ZY Special Use	4408 Herring, Pacific
36 - PAC - ZM ZY Direct Deliveries Vessel Log	14183 Birds
	814 Other

## Appendix G – List of species that can be transferred (Transfer\_dtl.Specie\_id), per sub-forms

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

Transferred species vs Sub-forms	
General_info.Subform_id – Sub-form name	Transfer_dtl.Specie_id – Species name
29 - MAR - Herring - Mobile Gear	3392 Herring, Atlantic
34 - PAC - Herring - ZY Special Use 35 - PAC - JOT 2006 36 - PAC - ZM ZY Direct Deliveries Vessel Log	4408 Herring, Pacific

Ref tables : Mv\_subforms, Mv\_species