



Fisheries and Oceans
Canada

Pêches et Océans
Canada

Fact sheet

ELOG - Logbook - Salmon

Pacific Region

(FS-NAT-230-2-EN)

March 16, 2023

Table of contents

1. Introduction	3
2. Applicable form type and form version	3
3. Fact sheet validity date	3
4. Change history	4
5. General rules.....	5
5.1. Data transmission.....	5
5.2 Functional rules	5
5.2.1 Closure of data groups	5
5.2.2 Minimal composition of data groups	5
5.2.3 Restrictions on data groups.....	6
5.2.4 Additional rules concerning the data groups.....	7
5.2.5 Restrictions on data elements.....	8
5.3 DFO instructions	20

1. Introduction

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

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

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

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

Observance of the rules set out in this document and in the form¹ will be verified during the client application qualification process (see [Client application qualification program - v6.7 - September 2017](#) 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 - Salmon	230

3. Fact sheet validity date

Version	Valid since	Expiry date
230.1	2022-03-29	2023-03-15
230.2	2023-03-16	

¹ See document 43246.230.NATIONAL ELOG - Logbook - Salmon - JBE - Journal de bord Saumon.csv

4. Change history

Version	Date	Description of change
230.1	2022-03-29	Creation of version 230.1
230.2	2023-05-16	<ul style="list-style-type: none"> - Addition of element Catch.Specie_lif_cyc_id. - Addition of element Effort_detail.Nb_grilse_disc. - Addition of element Catch.Othr_spc_dsc. - Addition of element Catch.Nb_spcmn_sbgl. - Rule #789 - Elements Catch.Nb_spcmn_sbgl and Effort_detail.Nb_grilse_disc added - Rule #273 - List of species: <ul style="list-style-type: none"> o Species "White Sturgeon"(code_id 4553) added to list. o Species "Salmons, Pacific"(code_id 3376) added to list. o Species "Salmons"(code_id 18287) removed from the list. o Species "Salmonids (salmoniformes)" (code_id 18288) removed from the list. o Species "Redfishes" (code_id 18398) renamed "Rockfishes (Sebastes)". o Species "Rockfishes (SEBASTINAE)" (code_id 18399) removed from the list. Species identification (TSN 643443) no more valid in ITIS (Integrated Taxonomic Information System). - Rule #34 - Targeted species: <ul style="list-style-type: none"> o Species "Salmons" (code_id 18287) replaced by the more specific species "Salmons, Pacific" (code_id 3376). - Rule #2500 - DFO Instructions <ul style="list-style-type: none"> o New version of the files, so, new file names. - Rule #731 - Effort_detail.Date_time: Rule added. - Rule #616 - Effort_detail.Wdln_dpth: Rule added. - Rule #3052 - Species Life cycle: Rule added. - Rule #3053 - Nb_spcmn_sbgl: Rule added. - Rule #3023 - Species life cycle LOV: Rule added. - Rule #2020 replaced by rule #2041. - Rule #2042 - Targeted species vs species caught: Rule added. - Rule #2043 - Use of species "Salmons, Pacific": Rule added. - Rule #2032 - Bad reference in the text of the rule: Rule retrieved. - Rule #2044 - Rule #2032 reworded. - Rule #384 - Initial value of Sar.Nb_spcmn: Rule removed, duplicate of rule #789. - Rule #385 - Initial value of Sar.Wt: Rule removed, duplicate of rule #789. - Rule #959 - Nb of strands: Text of rule modified. - Rule #35 - Fishing gear - Replaced by rules 35a, 35b and 35c. - Section "Client group" removed from this document.

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 - Salmon, version 230).

5.1. Data transmission

All logbook data must be forwarded to Fisheries and Oceans Canada within 72 hours of each fishing trip. The license conditions give more details.

5.2 Functional rules

The functional rules in this section are intended to identify the rules that must be met by the ELOG client application for all Salmon fleets.

5.2.1 Closure of data groups

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

Rule No.	Data group
1500	EFFORT
1503	SAR

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
1002	Sar	If this data group is used: - Must contain at least one occurrence of the node Sar
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
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																
2020	EFFORT (nodes EFFORT_DETAIL, TGT_SPECIES and CATCH)	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. When there is no catch during the fishing effort, the fisher must enter 0 in the quantity kept (Catch.Kept_wt).																
2041	EFFORT (nodes EFFORT_DETAIL 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 one of the following:</p> <table><tr><th>Code_id</th><th>Description</th></tr><tr><td>1332</td><td>Salmon, Atlantic</td></tr><tr><td>3651</td><td>Salmon, Chinook</td></tr><tr><td>3653</td><td>Salmon, Chum</td></tr><tr><td>3655</td><td>Salmon, Coho</td></tr><tr><td>3657</td><td>Salmon, Pink</td></tr><tr><td>3659</td><td>Salmon, Sockeye</td></tr><tr><td>3376</td><td>Salmons, Pacific</td></tr></table> <p>Ref table: Mv_species</p>	Code_id	Description	1332	Salmon, Atlantic	3651	Salmon, Chinook	3653	Salmon, Chum	3655	Salmon, Coho	3657	Salmon, Pink	3659	Salmon, Sockeye	3376	Salmons, Pacific
Code_id	Description																	
1332	Salmon, Atlantic																	
3651	Salmon, Chinook																	
3653	Salmon, Chum																	
3655	Salmon, Coho																	
3657	Salmon, Pink																	
3659	Salmon, Sockeye																	
3376	Salmons, Pacific																	
2042	EFFORT (nodes EFFORT_DETAIL and CATCH)	<p>When there is no catch during the fishing effort, the harvester must enter 0 in quantity kept (Catch.Nb_Spcmn_Kept) and quantity discarded (Catch.Nb_Spcmn_Disc) and only use the species “Salmons, Pacific” (Catch.Specie_id = 3376).</p> <p>Therefore, when the “Salmons, Pacific” species is selected (Catch.Specie_id = 3376), the quantity kept (Catch.Nb_Spcmn_Kept) and discarded (Catch.Nb_Spcmn_Disc) must be equal to 0.</p> <p>Ref table: Mv_species</p>																
2043	EFFORT (nodes EFFORT_DETAIL and CATCH)	<p>An EFFORT_DETAIL node cannot contain a CATCH node whose species is "Salmons, Pacific" (Catch.Specie_id = 3376) and in addition, another CATCH node of a specific salmon species:</p> <table><tr><th>Code_id</th><th>Description</th></tr><tr><td>1332</td><td>Salmon, Atlantic</td></tr><tr><td>3651</td><td>Salmon, Chinook</td></tr><tr><td>3653</td><td>Salmon, Chum</td></tr><tr><td>3655</td><td>Salmon, Coho</td></tr><tr><td>3657</td><td>Salmon, Pink</td></tr><tr><td>3659</td><td>Salmon, Sockeye</td></tr></table> <p>Ref table: Mv_species</p>	Code_id	Description	1332	Salmon, Atlantic	3651	Salmon, Chinook	3653	Salmon, Chum	3655	Salmon, Coho	3657	Salmon, Pink	3659	Salmon, Sockeye		
Code_id	Description																	
1332	Salmon, Atlantic																	
3651	Salmon, Chinook																	
3653	Salmon, Chum																	
3655	Salmon, Coho																	
3657	Salmon, Pink																	
3659	Salmon, Sockeye																	

General rules - Restrictions on data groups		
2010	EFFORT (nodes EFFORT and TGT_SPECIES)	Only one occurrence of the node Tgt_species is allowed in an occurrence of the node EFFORT.
2033	EFFORT (CATCH)	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: Catch.Nb_spcmn_kept >= 0 or Catch.Nb_spcmn_disc >= 0
2032	EFFORT_DETAIL CATCH	If the DFO administrative region is Pacific (General_info.Reg_id=1010), then each occurrence of node EFFORT_DETAIL must contain a sub-node CATCH containing the declaration of the number of sea birds caught during the period of time between the start and the end of the effort (Effort_detail.Start_dt and Effort_detail.End_dt) In this CATCH node, the value of Catch.Specie_id will be equal to 14183 (Birds) and the value of Catch.Nb_spcmn_disc will be greater than or equal to 0.
2044	EFFORT_DETAIL CATCH	Each occurrence of node EFFORT_DETAIL must contain a sub node CATCH containing the declaration of the number of sea birds caught. In this CATCH node, the value of Catch.Specie_id will be equal to 14183 (Birds) and the value of Catch.Nb_spcmn_disc will be greater than or equal to 0.

5.2.4 Additional rules concerning the data groups

General rules - Additional rules concerning data groups		
Rule No.	Data group	Rule
1050	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
608	All nodes	All elements	<p>A sub-form (General_info.Subform_id) will have to be selected by the fish harvester.</p> <p>Document named “Subforms_requirements.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>
601	SAR EFFORT	DG_CLOSE_DT	The date and time of data group closure (<i>node.Dg_close_dt</i>) must be between the trip start date and time (Trip.Start_dt) and the current date and time (UTC).
789	SAR	NB_SPCMN WT	<p>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.</p> <p>A null or empty value must not be interpreted as a 0 by the client application.</p>
	CATCH	NB_SPCMN_KEPT NB_SPCMN_DISC NB_SPCMN_SBLGL	
	EFFORT_DETAIL	NB_GRILSE_DISC	

General rules - restrictions on data elements											
Rule No.	Node(s)	Element(s)	Rule								
602	EFFORT	SAR_IND LOST_GEAR_IND MM_INTER_IND	In the client application, these elements must have an initial value equal to “null” (empty). The value must be entered manually by the user. A null or empty value must not be interpreted as a ‘Yes’ or ‘No’ by the client application. Ref table: Mv_response								
1	GENERAL_INFO	FORM_VER_ID	Only this value must be available and considered valid: <table><tr><td>Form_version_id</td><td>Description</td></tr><tr><td>230</td><td>ELOG - Logbook - Salmon</td></tr></table> Ref table: Mv_form_version	Form_version_id	Description	230	ELOG - Logbook - Salmon				
Form_version_id	Description										
230	ELOG - Logbook - Salmon										
609	GENERAL_INFO	SUBFORM_ID	Only this value must be available and considered valid: <table><tr><th>Subform_id</th><th>Description</th></tr><tr><td>9</td><td>PAC - Salmon - Gillnet</td></tr><tr><td>10</td><td>PAC - Salmon - Seine</td></tr><tr><td>11</td><td>PAC - Salmon - Troll</td></tr></table> Ref table: Mv_subforms	Subform_id	Description	9	PAC - Salmon - Gillnet	10	PAC - Salmon - Seine	11	PAC - Salmon - Troll
Subform_id	Description										
9	PAC - Salmon - Gillnet										
10	PAC - Salmon - Seine										
11	PAC - Salmon - Troll										
2	GENERAL_INFO	REG_ID	Only this value must be available and considered valid: <table><tr><th>Code_id</th><th>Description</th></tr><tr><td>1010</td><td>Pacific</td></tr></table> Ref table: Mv_dfo_region	Code_id	Description	1010	Pacific				
Code_id	Description										
1010	Pacific										
260	GENERAL_INFO	FIN	The Fisher Identification Number (General_info.Fin) must be made up of : - Nine digits (e.g.: 999999999)								
265	TRIP	START_DT	The trip start date and time (Trip.Start_dt) (UTC) cannot be later than the current UTC date and time plus 6 hours.								
48	TRIP	TRIP_NUM	A new trip number (Trip.Trip_num) must be allocated automatically and sequentially for each new fishing trip.								

General rules - restrictions on data elements			
Rule No.	Node(s)	Element(s)	Rule
181	TRIP	LGBK_UID	<p>The logbook unique identifier must be made up of six uppercase letters (A-Z) randomly generated.</p> <p>If possible, make sure the logbook unique identifier has never been used before by any of your clients.</p>
11	SAR	SAR_DT	The date and time of the interaction with a species at risk (Sar.Sar_dt) must be later than or equal to the trip start date (Trip.Start_dt).
	TRIP	START_DT	
12	SAR	SAR_DT	The date and time of the interaction with a species at risk (Sar.Sar_dt) must be before or equal to the current date and time (UTC), at the time of entry.
613	SAR	LAT	These latitudes must be greater than or equal to 40.0000 (deg) and less than or equal to 70.0000 (deg).
614	SAR	LONG	These longitudes must be greater than or equal to -165.0000 (deg) and less than or equal to -114.0000 (deg).
30	EFFORT	START_DT	The effort start date and time (Effort.Start_dt) must be equal to or before the current date and time (UTC), at the time of entry.
32	EFFORT	START_DT END_DT	The effort end date and time (Effort.End_dt) must be later than or equal to the effort start date and time (Effort.Start_dt).
603	EFFORT	SAR_IND	<p>The label of this element must be:</p> <p><u>French:</u> Y a-t-il eu interaction avec une espèce en péril durant cet effort de pêche?</p> <p><u>English:</u> Was there any interaction with a species at risk during this fishing effort?</p> <p>Ref table: Mv_response</p>

General rules - restrictions on data elements			
Rule No.	Node(s)	Element(s)	Rule
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> <p>Ref table: Mv_response</p>
606	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> <p>Ref table: Mv_response</p>
607	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>

General rules - restrictions on data elements									
Rule No.	Node(s)	Element(s)	Rule						
780	EFFORT	MM_INTER_IND	<p>The label of this element must be:</p> <p><u>French:</u> Y a-t-il eu interaction avec un mammifère marin durant cet effort de pêche?</p> <p><u>English:</u> Was there any interaction with a marine mammal during this fishing effort?</p> <p>Ref table: Mv_response</p>						
781	EFFORT	MM_INTER_IND	<p>When the answer is ‘Yes’ (Effort.Mm_Inter_Ind =‘Y’), then the following message must be displayed:</p> <p><u>French:</u> Veuillez compléter la section concernant les interactions avec un mammifère marin.</p> <p><u>English:</u> Please, complete the section concerning marine mammal interactions.</p> <p>Ref table: Mv_response</p>						
34	TGT_SPECIES	SPECIE_ID	<p>Only these values must be available and considered valid:</p> <table><tr><th>Code_id</th><th>Description</th></tr><tr><td>18287</td><td>Salmons</td></tr><tr><td>3376</td><td>Salmons, Pacific</td></tr></table> <p>Ref table: Mv_species</p>	Code_id	Description	18287	Salmons	3376	Salmons, Pacific
Code_id	Description								
18287	Salmons								
3376	Salmons, Pacific								

General rules - restrictions on data elements											
Rule No.	Node(s)	Element(s)	Rule								
35a	GENERAL_INFO	SUBFORM_ID	<p>When the selected sub-form (General_info.Subform_id) is one of:</p> <table><tr><th>Subform_id</th><th>Description</th></tr><tr><td>9</td><td>PAC - Salmon - Gillnet</td></tr></table> <p>Then only this value must be available and considered valid:</p> <table><tr><th>Code_id</th><th>Description</th></tr><tr><td>905</td><td>Gillnet</td></tr></table> <p>Ref tables: Mv_subforms, Mv_gear_description</p>	Subform_id	Description	9	PAC - Salmon - Gillnet	Code_id	Description	905	Gillnet
	Subform_id	Description									
9	PAC - Salmon - Gillnet										
Code_id	Description										
905	Gillnet										
EFFORT_BY_GEAR	GEAR_ID										
35b	GENERAL_INFO	SUBFORM_ID	<p>When the selected sub-form (General_info.Subform_id) is one of:</p> <table><tr><th>Subform_id</th><th>Description</th></tr><tr><td>10</td><td>PAC - Salmon - Seine</td></tr></table> <p>Then only this value must be available and considered valid:</p> <table><tr><th>Code_id</th><th>Description</th></tr><tr><td>1091</td><td>Seine nets</td></tr></table> <p>Ref tables: Mv_subforms, Mv_gear_description</p>	Subform_id	Description	10	PAC - Salmon - Seine	Code_id	Description	1091	Seine nets
	Subform_id	Description									
10	PAC - Salmon - Seine										
Code_id	Description										
1091	Seine nets										
EFFORT_BY_GEAR	GEAR_ID										
35c	GENERAL_INFO	SUBFORM_ID	<p>When the selected sub-form (General_info.Subform_id) is one of:</p> <table><tr><th>Subform_id</th><th>Description</th></tr><tr><td>11</td><td>PAC - Salmon - Troll</td></tr></table> <p>Then only this value must be available and considered valid:</p> <table><tr><th>Code_id</th><th>Description</th></tr><tr><td>918</td><td>Troller lines</td></tr></table> <p>Ref tables: Mv_subforms, Mv_gear_description</p>	Subform_id	Description	11	PAC - Salmon - Troll	Code_id	Description	918	Troller lines
	Subform_id	Description									
11	PAC - Salmon - Troll										
Code_id	Description										
918	Troller lines										
EFFORT_BY_GEAR	GEAR_ID										
3	TRIP	START_DT	<p>The start date and time of the trip (Trip.Start_dt) cannot take place after the effort start date and time (Effort.Start_dt) of any of the efforts of this trip.</p>								
	EFFORT	START_DT									

General rules - restrictions on data elements																							
Rule No.	Node(s)	Element(s)	Rule																				
7	SAR	SPECIE_ID	<div>Only these values must be available and considered valid:</div> <table><tr><th>Code_id</th><th>Description</th></tr><tr><td>1363</td><td>Bass, Striped</td></tr><tr><td>1372</td><td>Beluga</td></tr><tr><td>1375</td><td>Wolffish, Northern</td></tr><tr><td>1382</td><td>Wolffish, Spotted</td></tr><tr><td>4561</td><td>Turtle, Loggerhead Sea</td></tr><tr><td>10561</td><td>Turtle, Leatherback Sea</td></tr><tr><td>14009</td><td>Shark, White</td></tr><tr><td>14197</td><td>Whale, Blue</td></tr><tr><td>15620</td><td>Whale, North Atlantic Right (North Atlantic right whale)</td></tr></table> <div>Ref table: Mv_sar_list</div>	Code_id	Description	1363	Bass, Striped	1372	Beluga	1375	Wolffish, Northern	1382	Wolffish, Spotted	4561	Turtle, Loggerhead Sea	10561	Turtle, Leatherback Sea	14009	Shark, White	14197	Whale, Blue	15620	Whale, North Atlantic Right (North Atlantic right whale)
Code_id	Description																						
1363	Bass, Striped																						
1372	Beluga																						
1375	Wolffish, Northern																						
1382	Wolffish, Spotted																						
4561	Turtle, Loggerhead Sea																						
10561	Turtle, Leatherback Sea																						
14009	Shark, White																						
14197	Whale, Blue																						
15620	Whale, North Atlantic Right (North Atlantic right whale)																						
122	SAR	SPCMN_COND_ID	<div>Only these values must be available and considered valid:</div> <table><tr><th>Code_id</th><th>Description</th></tr><tr><td>11881</td><td>Alive</td></tr><tr><td>11883</td><td>Dead</td></tr><tr><td>37910</td><td>Most alive</td></tr><tr><td>37912</td><td>Most dead</td></tr></table> <div>Ref table: Mv_specimens_condition</div>	Code_id	Description	11881	Alive	11883	Dead	37910	Most alive	37912	Most dead										
Code_id	Description																						
11881	Alive																						
11883	Dead																						
37910	Most alive																						
37912	Most dead																						
384	SAR	NB_SPCMN	<div>In the client application, the number of specimens (SAR. NB_SPCMN) must have an initial value equal to “null” (empty). If the user wants to declare a quantity (0 or greater than 0) using this element, the value must be entered manually by the user. A null or empty value must not be interpreted as a 0 by the client application.</div>																				
385	SAR	WT	<div>In the client application, the weight (SAR. WT) must have an initial value equal to “null” (empty). If the user wants to declare a quantity (0 or greater than 0) using this element, the value must be entered manually by the user. A null or empty value must not be interpreted as a 0 by the client application.</div>																				

General rules - restrictions on data elements											
Rule No.	Node(s)	Element(s)	Rule								
29	EFFORT	START_DT	The effort start date (Effort.Start_dt) must be later than or equal to the trip start date and time (Trip.Start_dt).								
	TRIP	START_DT									
931	GENERAL_INFO	FIN (label)	In the client application, all labels associated to element General_info.Fin must always be: In French: « NIP du <u>détenteur de permis</u> » In English: « <u>Licence holder's</u> FIN »								
958	EFFORT_BY_GEAR	NET_TYP_ID	Only these values must be available and considered valid: <table><tr><th>Code_id</th><th>Description</th></tr><tr><td>37117</td><td>Alaska twist</td></tr><tr><td>37119</td><td>Multi-strands net</td></tr><tr><td>37123</td><td>Combination of Alaska/Multi-strands</td></tr></table> Ref table: Mv_net_type	Code_id	Description	37117	Alaska twist	37119	Multi-strands net	37123	Combination of Alaska/Multi-strands
Code_id	Description										
37117	Alaska twist										
37119	Multi-strands net										
37123	Combination of Alaska/Multi-strands										
959	EFFORT_BY_GEAR	NET_TYP_ID NB_STRND	If the net type (Effort_by_gear.Net_typ_id) is equal to Alaska twist (37117) then the nb of strands (Effort_by_gear.Nb_strnd) is mandatory. Otherwise, the entry of the number of strands must be blocked. Ref table: Mv_net_type								
731	EFFORT_DETAIL	DATE_TIME	The date and time (Effort_detail.Date_time) 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									
616	EFFORT_DETAIL	WDLN_DPTH	The depth must be greater or equal than 0 and less than or equal to 200 meters.								
960	EFFORT_DETAIL	TOT_GEAR_LEN	Although the total length of the gear (effort_detail.tot_gear_len) is recorded in meters (unit_of_measure_id = 11846), it must be displayed in fathoms in the application (unit_of_measure_id = 11164). Ref table: Mv_units_of_measure								

General rules - restrictions on data elements				
Rule No.	Node(s)	Element(s)	Rule	
			4543	Sole, Southern Rock
			4551	Sturgeon, Green
			4555	Tomcod, Pacific
			4561	Turtle, Loggerhead Sea
			4573	Flounder, Starry
			13505	Unidentified Waterfowl sp.
			13539	Sablefishes
			13836	Turtles, Sea
			13854	Ratfishes
			14183	Birds
			14407	Murrelet, Marbled
			14451	Albatrosses
			14714	Sculpins (COTTIDAE)
			14869	Lumpfishes (Cyclopteridae)
			15026	Skipjack, Black
			15210	Codfishes
			15214	Rocklings
			15788	Greenlings
			16112	Gulls
			16356	Hakes
			16534	Lanternfishes
			16684	Hakes and Burbots
			16893	Flounders, Lefteye
			17288	Cod, Ling (OPHIODON ELONGATUS)
			17517	Flounders, Righteye
			17825	Skate, Big
			18287	Salmons
			18288	Salmonids (SALMONIFORMES)
			18350	Mackerel, Chub
			18374	Cabazon
			18398	Rockfishes (Sebastes)
			18399	Rockfishes (SEBASTINAE)
			18554	Dogfishes unspecified
			18756	Codlings
			19056	Tunas, Unspecified
			19119	Mackerel, Jack
			39574	Cods
			4553	Sturgeon, White
			3376	Salmons, Pacific
			Ref table: Mv_species	

General rules - restrictions on data elements											
Rule No.	Node(s)	Element(s)	Rule								
837	CATCH	SPECIE_ID OTHR_SPC_DSC	<p>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.</p> <p>Ref table: Mv_species</p>								
3052	GENERAL_INFO	SUBFORM_ID	<p>When the selected sub-form (General_info.Subform_id) is one of:</p> <table><tr><th>Subform_id</th><th>Description</th></tr><tr><td>10</td><td>PAC - Salmon - Seine</td></tr></table> <p>And the species caught (Catch.Specie_id) is one of :</p> <table><tr><th>Code_id</th><th>Description</th></tr><tr><td>3651</td><td>Salmon, Chinook</td></tr></table> <p>Then the entry of the species life cycle (Catch.Specie_lif_cyc_id) is mandatory, otherwise, the entry of the species life cycle must be blocked.</p> <p>Ref tables: Mv_subforms, Mv_species, Mv_species_life_cycle</p>	Subform_id	Description	10	PAC - Salmon - Seine	Code_id	Description	3651	Salmon, Chinook
	Subform_id	Description									
10	PAC - Salmon - Seine										
Code_id	Description										
3651	Salmon, Chinook										
	CATCH	SPECIE_ID SPECIE_LIF_CYC_ID									
3023	CATCH	SPECIE_LIF_CYC_ID	<p>Only these values must be available and considered valid:</p> <table><tr><th>Code_id</th><th>Description</th></tr><tr><td>37191</td><td>Jack</td></tr><tr><td>37828</td><td>Adult Salmon</td></tr></table> <p>Ref table: Mv_Species_Life_Cycle</p>	Code_id	Description	37191	Jack	37828	Adult Salmon		
Code_id	Description										
37191	Jack										
37828	Adult Salmon										

General rules - restrictions on data elements											
Rule No.	Node(s)	Element(s)	Rule								
3053	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>Description</th></tr><tr><td>11</td><td>PAC - Salmon - Troll</td></tr></table> <p>And the species caught (Catch.Specie_id) is one of :</p> <table><tr><th><u>Code_id</u></th><th>Description</th></tr><tr><td>3651</td><td>Salmon, Chinook</td></tr></table> <p>Then the entry of the number of specimen under the legal size (Catch.Nb_spcmn_sblgl) is mandatory. For any other species caught, the entry of the number of specimen under the legal size must be blocked.</p> <p>Ref tables: Mv_subforms, Mv_species</p>	<u>Subform_id</u>	Description	11	PAC - Salmon - Troll	<u>Code_id</u>	Description	3651	Salmon, Chinook
	<u>Subform_id</u>	Description									
11	PAC - Salmon - Troll										
<u>Code_id</u>	Description										
3651	Salmon, Chinook										
CATCH	SPECIE_ID NB_SPCMN_SBLGL										

5.3 DFO instructions

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

Rule No.	Rule
2500	Instructions provided by DFO must be available when using the client application. DFO instructions files can be found in the technical package.
	Files
	Files containing DFO instructions are: DFO instructions_NAT_230-2.0_eng.pdf (English version) DFO instructions_NAT_230-2.0_fre.pdf (French version)