



Fisheries and Oceans
Canada

Pêches et Océans
Canada

Fact Sheet

ELOG – Marine Mammal Interaction form

All DFO regions

(Form_version_id: 222)

2020-01-28

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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. The fact sheet may also set out instructions that aim to specify the nature of some elements of the form. This version of the form will be used by the fishers of the following DFO administrative regions: Quebec, Gulf, Central and Arctic, Newfoundland, Maritimes and Pacific.

Functional rules contained in this fact sheet are applicable to the ELOG - Marine mammal interaction form, version 222.

The rules in this fact sheet complement those established in the form¹. Data elements that must contain a value in the XML file are identified using a “Y” in column “REQUIRED?” of the form¹ (see Standard for the development of electronic logbook client applications (version 3.0) – January 2017, section 3.4 for more details on the forms).

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 – v6.6 – January 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 - Marine mammal interaction form	222

3. Fact sheet validity date

Version	Valid since	Expiry date
222.1	2020-01-28	n/a

¹ See document 39588.222.NAT - ELOG - Marine mammal interaction form - JBE – Formulaire d’interaction avec un mammifère marin.csv

4. Change history

Version	Date	Description of change
222.1	2020-01-28	Creation of version 222.1

5. Client group

Clients	Number of potential clients	Language requirements	Scheduled in-service date	Additional rules
All fish harvesters who will buy an ELOG client application.	Undetermined	English French	April 1 st , 2020	See section 6 – General rules

6. General rules

The rules set out in this section must be observed by all ELOG client applications that support the production of the form and version identified in point “2. Applicable form type and form version”.

6.1.Data transmission

Transmission of data should occur at a minimum at the end of each trip, but should be transmitted more frequently if possible.

6.2.Functional rules

The functional rules set out in this section identify the rules that must be followed by the ELOG client application.

6.2.1. Closure of data groups

The ELOG client application must support the closure of the following data groups if they are used:

Rule no.	Data group
1517	MM_INTER

6.2.2. Minimum composition of data groups

Data groups included in the XML file must comply with the following rules:

Rule No	Data group	Rule
1026	ELOG	- Must contain one occurrence of the node General_info - Must contain at least one occurrence of the node MM_inter
1027	MM_INTER	If the interaction indicator is equal to yes (MM_inter.Interact_ind= Y), then the MM_inter node must contain at least one occurrence of the MM_inter_incdnt node
1029	MM_INTER	If the interaction indicator is equal to no (MM_inter.Interact_ind= N), then the MM_inter node must not contain any occurrences of the MM_inter_incdnt node

6.2.3. Restrictions on data groups

Rule no.	Data group	Rule
2022	MM_INTER MM_INTER_INCDNT	A same type of incident (MM_inter_incdnt.Incdnt_typ_id) can only be included one time in a same interaction report (occurrence of MM_INTER).

6.2.4. Restrictions on data elements

Note: The following restrictions apply only if the element identified in the “Element” column is used.

Rule no.	Node(s)	Element(s)	Rule														
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>222</td><td>ELOG – Marine mammal interaction form</td></tr></table> <p>Ref table: Mv_form_version</p>	<u>Form_version_id</u>	<u>Description</u>	222	ELOG – Marine mammal interaction form										
<u>Form_version_id</u>	<u>Description</u>																
222	ELOG – Marine mammal interaction form																
2	GENERAL_INFO	REG_ID	<p>Only this value must be available and considered valid:</p> <table><tr><th><u>Code_id</u></th><th><u>Description</u></th></tr><tr><td>1008</td><td>Central & Arctic</td></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>1010</td><td>Pacific</td></tr><tr><td>1006</td><td>Quebec</td></tr></table> <p>Ref table : Mv_dfo_region</p>	<u>Code_id</u>	<u>Description</u>	1008	Central & Arctic	1014	Gulf	1004	Maritimes	1002	Newfoundland	1010	Pacific	1006	Quebec
<u>Code_id</u>	<u>Description</u>																
1008	Central & Arctic																
1014	Gulf																
1004	Maritimes																
1002	Newfoundland																
1010	Pacific																
1006	Quebec																
260	GENERAL_INFO	FIN	<p>The fisher identification number (General_info.Fin) must be made up of :</p> <ul style="list-style-type: none">- 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.														
528	GENERAL_INFO	VRN	<p>The vessel registration number (General_info.Vrn) must be made up of digits only. It must be composed of 4, 5 or 6 digits.</p>														
588	MM_INTER	DOC_UID	<p>Capture of this element must be blocked.</p> <p>(DFO internal use only)</p>														
589	MM_INTER	REP_DATE	<p>The report date (Mm_inter.Rep_date) must be equal to or before the current date, at the time of entry.</p>														
590	MM_INTER	REP_DATE	<p>The report date (Mm_inter.Rep_date) must be equal or after 2020, January 1st</p>														

Rule no.	Node(s)	Element(s)	Rule
566	MM_INTER	INTERACT_DT	The interaction date and time (Mm_inter.Interact_dt) must be equal to or before the current date and time, at the time of entry.
592	MM_INTER	INTERACT_DT	The date of the interaction (Mm_inter.Interact_dt) must be equal to or after 2020, January 1st
591	MM_INTER	REP_DATE INTERACT_DT	The date of the interaction (Mm_inter.Interact_dt) must be before or equal to the date of the report (MM_inter.Rep_date).
593	MM_INTER	INTERACT_IND	<p>If the interaction indicator is equal to yes (MM_inter.Interact_ind = Y), then the capture of the following elements is mandatory:</p> <p>MM_INTER.Interact_dt MM_INTER.Site_dsc MM_INTER.Lat MM_INTER.Long MM_INTER.Name MM_INTER.Addr MM_INTER.Phone MM_INTER.Prov_id MM_INTER.Email MM_INTER.Vname MM_INTER.Tgt_specie_id MM_INTER.Gear_id MM_INTER.Gear_dmg_ind MM_INTER.Gear_lost_ind MM_INTER.Caus_known_ind MM_INTER.Noaa_specie_cod MM_INTER.Spcmn_dsc MM_INTER.Spcmn_cond_id MM_INTER.Id_cnfdnce_id MM_INTER.Nb_spcmn_min MM_INTER.Nb_spcmn_max MM_INTER.Nb_spcmn_best MM_INTER.Vid_ind MM_INTER.Photo_ind MM_INTER.Smpl_ind MM_INTER.Othr_doc_ind MM_INTER.Bdy_len_id MM_INTER.Event_dsc</p>

Rule no.	Node(s)	Element(s)	Rule
594	MM_INTER	INTERACT_IND	<p>If the interaction indicator is equal to no (MM_inter.Interact_ind = N), then the capture of the following elements must be blocked:</p> <p>MM_INTER.Interact_dt MM_INTER.Site_dsc MM_INTER.Lat MM_INTER.Long MM_INTER.Name MM_INTER.Addr MM_INTER.Phone MM_INTER.Prov_id MM_INTER.Email MM_INTER.Vname MM_INTER.Tgt_specie_id MM_INTER.Gear_id MM_INTER.Gear_dmg_ind MM_INTER.Gear_dmg_rem MM_INTER.Gear_lost_ind MM_INTER.Caus_known_ind MM_INTER.Noaa_specie_cod MM_INTER.Spcmn_dsc MM_INTER.Spcmn_cond_id MM_INTER.Id_cnfdnce_id MM_INTER.Nb_spcmn_min MM_INTER.Nb_spcmn_max MM_INTER.Nb_spcmn_best MM_INTER.Vid_ind MM_INTER.Photo_ind MM_INTER.Smpl_ind MM_INTER.Othr_doc_ind MM_INTER.Doc_rem MM_INTER.Bdy_len_id MM_INTER.Bdy_len MM_INTER.Event_dsc</p>
576	MM_INTER	TGT_SPECIES_ID	The list of species of Appendix A must be excluded from the list of species that can be selected as targeted species.
571	MM_INTER	LAT	The latitude (Mm_inter.Lat) must be greater than or equal to 38.0000 (deg) and less than or equal to 72.0000 (deg)
572	MM_INTER	LONG	The longitude (Mm_inter.Long) must be greater than or equal to -148.0000 (deg) and less than or equal to -40.0000 (deg)

Rule no.	Node(s)	Element(s)	Rule
573	MM_INTER	NB_SPCMN_MIN	The maximum estimate (Mm_inter.Nb_spcmn_max) must be greater than or equal to the minimum estimate(Mm_inter.Nb_spcmn_min).
		NB_SPCMN_MAX	
568	MM_INTER	NB_SPCMN_MIN	The best estimate (Mm_inter.Nb_spcmn_best) must be between the minimum (Mm_inter.Nb_spcmn_min) and maximum (Mm_inter.Nb_spcmn_max) estimates.
		NB_SPCMN_MAX	
		NB_SPCMN_BEST	
569	MM_INTER	OTHR_DOC_IND	The remark (Mm_inter.Doc_rem) must contain a value if the indicator of other documents available (Mm_inter.Othr_doc_ind) is equal to yes (Mm_inter.Othr_doc_ind = « Y »).
		DOC_REM	
574	MM_INTER	BDY_LEN_ID	If the body length category is “Other” (MM_inter.Bdy_len_id = 39620) then the body length (MM_inter.Bdy_len) must contain a value.
		BDY_LEN	
575	MM_INTER	BDY_LEN_ID	If the body length category is not “Other” (MM_inter.Bdy_len_id is <u>not</u> 39620) then the body length (MM_inter.Bdy_len) must be blocked.
		BDY_LEN	
595	MM_INTER_INCDNT	REM	Capture of this element must be blocked.

6.3.Instructions

- The Licence holder or vessel operator is responsible for the accuracy of the data recorded in the marine mammal interaction form. When closing data groups, the user confirm that the data has been verified and is conform to what he (she) want to send to DFO.
- The licence holder is required to report an incidental mortality or injury within 48 hours after the end of the fishing trip (even if an observer is on board). A separate report form is required for each incident, for each date, and for each location.
- As per the Fisheries General Regulations under the Fisheries Act, this reporting form must be completed immediately after any accidental contact between a marine mammal and a vessel or fishing gear.
- This form can also be used to declare that no interaction with a marine mammal has taken place. Several elements of the form will be blocked or become mandatory depending on the response to the interaction indicator (MM_inter.Interact_ind = 'Y' or 'N') - see rules #593 and #594.

Rule No.	Rule
2500	<p>Instructions provided by DFO must be available when using the client application. DFO instructions files can be found in the technical package.</p> <p><u>Files containing DFO instructions are:</u> DFO instructions_222-1.0_eng.pdf (English version) DFO instructions_222-1.0_fre.pdf (French version)</p>

Appendix A: Species that cannot be selected as “targeted species”

MM_inter.Tgt_specie_id	Description
1372	Beluga
14183	Birds
1283	Clams, Unspecified
17441	Crabs, Hermit
1285	Crab, Unspecified
1291	Crustaceans, Unspecified
18554	Dogfishes unspecified
16071	Dolphin, Atlantic White-Sided
16631	Dolphin, Northern Right-Whale
16072	Dolphin, Pacific White-Sided
14952	Dolphin, Saddlebacked
18573	Dolphin, Spinner
18572	Dolphin, Spotted
18571	Dolphin, Striped
1299	Flatfishes, not specified
15197	Fulmar, Northern (Noddy)
37900	Furcellaria fastigiata
15342	Grampus
16818	Mammals
1316	Molluscs, Unspecified
1376	Narwhal
4527	Otter, Sea
18077	Porpoise, Dall
1937	Porpoise, Harbour
1336	Seal, Bearded
1342	Seal, Grey
1346	Seal, Harbour
1350	Seal, Harp
1347	Seal, Hooded
4515	Sea Lion, California
4519	Sea Lion, Steller
16419	Seal, Northern Elephant (MIROUNGA ANGUSTIROSTRIS)
13917	Seal, Northern Fur
39619	Seal, Ribbon
1963	Seal, Ringed

MM_inter.Tgt_specie_id	Description
39618	Seal, Spotted
1343	Seals, Unspecified
18238	Seaweeds, Red
1352	Shark, unspecified
1351	Shrimp, Other
13403	Starfish
19056	Tunas, Unspecified
10561	Turtle, Leatherback Sea
4561	Turtle, Loggerhead Sea
13836	Turtles, Sea
39595	Unidentified Baleen Whale(s)
39592	Unidentified Sea lion(s)
39593	Unidentified Seal(s)
39594	Unidentified small cetacean(s)
39596	Unidentified Toothed Whale(s)
1997	Walrus
14197	Whale, Blue
1437	Whale, Bowhead
14196	Whale, Brydes
16027	Whale, Dwarf Sperm
17737	Whale, False Killer
3674	Whale, Fin
15596	Whale, Grey
16284	Whale, Humpback
4563	Whale, Killer
1378	Whale, Long-Finned Pilot
1374	Whale, Minke
15620	Whale, North Atlantic Right
15924	Whale, Northern Bottlenosed
15621	Whale, North Pacific Right
1384	Whales, Baleen
15925	Whales, Beaked
1380	Whale, Sei
16366	Whale, Sowerby's Beaked
1381	Whale, Sperm
1383	Wolffish, Atlantic
1375	Wolffish, Northern