

## The XML data dictionary:

The XML data dictionary describes the data elements that may compose the electronic logbooks XML files. XML dictionary specifications must mandatorily be respected during the creation of the XML files.

In addition to listing all the data elements that may be used by an electronic logbook, the XML data dictionary specifies many technical specifications linked to each data element.

## Content of the XML data dictionary:

Column	Description		
Element_id	Unique identifier of the element.		
Node_name	Name of the node the element belongs to.		
Element_name	Name of the element.		
Short_desc_fre	French short description of the element.		
Short_desc_eng	English short description of the element.		
Long_desc_fre	French long description of the element.		
Long_desc_eng	English long description of the element.		
Element_datatype	Data type.		
	<b>Content</b>	➔	<b>Description</b>
	Number	➔	Number
	Char	➔	Alphanumeric characters
	Date	➔	Date
Max_length	Maximum length of the content of the element. For the numeric elements, the maximum length has been calculated by including the minus sign (-) and the decimal separator (.) if applicable.		
Authorize_neg_value_ind	Indicator that specifies if the negative values are authorized for this element.		
	<b>Content</b>	➔	<b>Description</b>
	Y	➔	Negative values authorized.
	N	➔	Negative values prohibited.
Authorize_decimal_ind	Indicator that specifies if values containing decimals are authorized for this element.		
	<b>Content</b>	➔	<b>Description</b>
	Y	➔	Element values may include decimals.
	N	➔	Element values must not include decimals.

Mask	Format of the value of the element.		
	<b>Content</b>	<b>→</b>	<b>Description</b>
	YYYY	→	Year(YYYY). Must be composed of 4 digits. e.g.: 2017
	YYYYMM	→	Year(YYYY) and month(DD). Must be composed of 6 digits and be a valid date. e.g.: 201703
	YYYYMMDD	→	Year(YYYY), month(MM) and day(DD). Must be composed of 8 digits and be a valid date. e.g.: 20170327
	YYYYMMDDHH24MI	→	Year(YYYY), month(MM), day (DD), hour (HH24) and minutes(MI). Must be composed of 12 digits and be a valid date and time. (24 hours clock) e.g. : 201703272311
	YYYYMMDDHH24MISS	→	Year(YYYY), month(MM), day(DD), hour (HH24), minutes(MI) et seconds(SS). Must be composed of 6 digits and be a valid date and time. (24 hours clock) e.g. : 20170327231159
	9 9.9 -9.9	→	Numeric values. The number of “9” indicated shows the maximum number of digits before and after the period. The minus sign (-) indicates the possibility that the value may contain a negative value.  The period (.) is the only decimal separator accepted.
Sensitive_data_ind	Indicate whether the element contains sensitive data that requires a special attention to security and confidentiality.		
	<b>Content</b>	<b>→</b>	<b>Description</b>
	Y	→	Sensitive data
	N	→	Non sensitive data

Unit_of_mesure_id	<p>Unique identifier of the unit of measure of the element.</p> <p>The value of the element written in the XML file must be represented using this unit of measure. Example, if the unit of measure identified in this column is “kilograms”, then the value of the element must be written in kilograms in the XML file.</p>		
	Reference table : MV_UNITS_OF_MEASURE		
List_of values_ind	Indicator that specifies if a reference table is available for this element.		
	<b>Content</b>	<b>➔</b>	<b>Description</b>
	Y	➔	A reference table is available for this element. The reference table name is written in column “Mv_table”.
	N	➔	No reference table is available.
Mv_table	Name of the reference table. The reference table contains possible values for the element. The list of valid values may be restricted by the fact sheet.		
Test_value	Example of value for the element.		
Element_order	Order of inscription of the element in the XML node. Sorting using this value will ensure that the elements will be written in the right order in the XML node (e.g. : 1, 50, 87, 201, 351, etc.).		
Required_vs_parent_node_ind	For DFO internal use. Do not use.		
Last_update_date_time	Date and time of the last update of this record.		