



Food and Agriculture Organization
of the United Nations



DATA VALIDATION PROCESS

IOTC WESTERN REGIONAL WORKSHOP: ENHANCING FISHERIES DATA REPORTING

NAIROBI, KENYA , 27 TO 30 MAY 2024

IOTC-Secretariat@fao.org



IOTC Data validation system is designed to allow users to self-assess the quality of their data by checking that all mandatory elements have been included and that all reference codes have been used correctly.

Each form must be uploaded to the correspondent validator link when completed

The tool will provide an overview of the analysis carried out on the content.



IOTC Form 1-RC data validation and analysis

Select the IOTC Form 1-RC to
upload:



Choose a Form 1-RC file



The output of the validation process includes a main box message with flaps of validation messages, ranging from summary information messages to increasing levels of identified issues messages provided in additional flaps. A validation-colored summary box (left bottom), related with the level of issues message is also provided indicating if the form could be successfully processed or need further revision before to be submitted to the IOTC.

When a form is fully filled, and all the mandatory data were included according to the IOTC standard an INFO message will be provided including a summary of the processed information and a validation summary message indicating that the form provided can be successfully processed and submitted to the IOTC



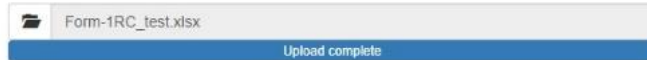
INFO message

Including a summary of the processed information the validation summary message indicates that the form submitted can be successfully processed



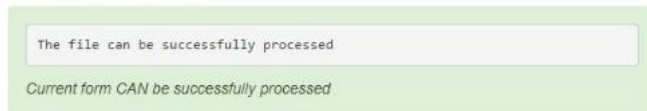
IOTC Form 1-RC data validation and analysis

Select the IOTC Form 1-RC to upload:



Original file: [Download](#)

Validation summary:



Validation messages:

[Download](#) all messages

Info messages

Show 10 entries

Search:

Sheet	Column	Row	Message
Metadata	D	19	The provided reporting entity (AUS) and flag country (AUS) identify AUS ('AUSTRALIA') as fleet
Data			4 total strata
Data			4 non-empty strata
Data			4 unique strata
Data			16 positive catch value(s) reported
Data			Provided catch data is assumed to be raised to total annual catches and reported in live-weight equivalent by default

Showing 1 to 6 of 6 entries

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WARNING message

indicates something that will not prevent the form to be processed, although its content is less than optimal.



IOTC Form 1-RC data validation and analysis

Select the IOTC Form 1-RC to upload:

Form-1RC_test.xlsx

Upload complete

Original file: [Download](#)

Validation summary:

Warnings encountered: the file can be processed, but it is recommended to identify and fix the causes of the highlighted warnings

Current form CAN be successfully processed

Validation messages:

[Download](#) all messages

[Warnings](#) [Info messages](#)

Show 10 entries

Search:

Sheet	Column	Row	Message
Data			Data is not provided for all quarters within the strata in row(s) #6
Data		7	1 aggregated species code(s) reported. Please refer to https://data.iotc.org/reference/latest/domain/legacy/#species for a list of valid species codes
Data	P	7	Aggregated species code 'TUN' reported in column P

Showing 1 to 3 of 3 entries

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ERROR message

When a form is uploaded with missing mandatory data (both in the metadata and data worksheets) or empty columns or rows (in the data worksheets), or with wrong codes for a particular row or strata



IOTC Form 1-RC data validation and analysis

Select the IOTC Form 1-RC to upload:

Form-1RC_test.xlsx
Upload complete

Original file: [Download](#)

Validation summary:

Errors encountered: check that all codes correspond to official reference codes and that the semantics of the provided data is enforced

Current form CANNOT be successfully processed

Validation messages:

[Download](#) all messages

[Errors](#) [Warnings](#) [Info messages](#)

Show 10 entries

Search:

Sheet	Column	Row	Message
Data	E		1 invalid IOTC main area code(s) reported. Please refer to https://data.iotc.org/reference/latest/domain/admin/#IOTCareasMain for a list of valid IOTC main area codes
Data	E	7	Invalid IOTC main area code 'EAST' in row #7

Showing 1 to 2 of 2 entries

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This form cannot be successfully processed until the highlighted errors be reviewed and amended as is showed in the validation summary message.



FATAL message

Indicates something that will prevent reading the content of the file, e.g., wrong type of file uploaded, presence of empty rows / columns, or no fleet identified for the provided reporting entity / vessel flag.



IOTC Form 1-RC data validation and analysis

Select the IOTC Form 1-RC to upload:

Form-1RC_test.xlsx

Upload complete

Original file: [Download](#)

Validation summary:

Fatal issues encountered: check file consistency with respect to official IOTC forms, ensure that all metadata are correct, and verify that no empty or duplicate strata is found in the 'Data' worksheet

Current form CANNOT be successfully processed

Validation messages:

[Download](#) all messages

[Fatal errors](#) [Errors](#) [Warnings](#) [Info messages](#)

Show 10 entries

Search:

Sheet	Column	Row	Message
Metadata	D	19	The reporting entity is mandatory

Showing 1 to 1 of 1 entries

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