

# Package ‘icesDatsuQC’

May 8, 2026

**Version** 1.2.0

**Title** Run Quality Checks on Data Prior to Submission to ICES

**Description** Run quality checks on data sets using the same checks that are conducted on the ICES Data Submission Utility (DATSU) <<https://datsu.ices.dk>>.

**License** GPL (>= 2)

**RoxygenNote** 7.3.2

**Imports** sqldf, icesDatsu (>= 1.1.0), icesVocab, glue

**Encoding** UTF-8

**URL** <https://datsu.ices.dk>,  
<https://github.com/ices-tools-prod/icesDatsuQC>

**BugReports** <https://github.com/ices-tools-prod/icesDatsuQC/issues>

**Language** en-GB

**NeedsCompilation** no

**Author** Colin Millar [aut, cre],  
Carlos Pinto [aut]

**Maintainer** Colin Millar <[colin.millar@ices.dk](mailto:colin.millar@ices.dk)>

**Repository** CRAN

**Date/Publication** 2024-10-25 09:20:10 UTC

## Contents

runQCChecks . . . . .	2
runVocabChecks . . . . .	2
<b>Index</b>	<b>4</b>

---

runQCChecks	<i>Runs quality checks on a dataset</i>
-------------	---

---

**Description**

Check a data set against the ICES DATSU data submission utility, the user must supply a dataset version and record type.

**Usage**

```
runQCChecks(filename, datasetverID, recordType)
```

**Arguments**

filename	the filename of the file to check
datasetverID	the dataset ID
recordType	string name of the record type

**Value**

The list of check failures

**Examples**

```
## Not run:
filename <- system.file("test_files/vms_test.csv", package = "icesDatsuQC")
runQCChecks(filename, 145, "VE")

## End(Not run)
```

---

runVocabChecks	<i>Runs vocabulary checks on a dataset</i>
----------------	--

---

**Description**

Check vocabularies in a data set against the ICES DATSU data submission utility, the user must supply a dataset version and record type.

**Usage**

```
runVocabChecks(filename, datasetverID, recordType)
```

**Arguments**

filename	the filename of the file to check
datasetverID	the dataset ID
recordType	string name of the record type

**Value**

The list of vocabulary errors. Every line that failed is reported for each field.

**Examples**

```
## Not run:
filename <- system.file("test_files/vms_test.csv", package = "icesDatsuQC")
vc <- runVocabChecks(filename, 145, "VE")
if (length(vc) > 0) {
  library(icesDatsu)
  data <-
    read.csv(
      filename,
      header = FALSE,
      col.names = getDataFieldsDescription(145, "VE")$fieldcode
    )
  # some invalid entries
  data[vc[[1]], names(vc)[1]]
}

## End(Not run)
```

# Index

[runQCChecks](#), 2

[runVocabChecks](#), 2