## Explanation for possible generic checks:

CheckLUtable: this is a check against a look up table/vocabulary

CheckYESNO: check if the reported value is Yes/No

CheckDATAformat: the format should fit with the recommendations

* CheckDATAformat1: related to the date(1st the format is checked, then another check is applied to see if year1<year2)
* CheckDATAformat2: related to numerical field

CheckMandatory: based on criteria, frequently related to the occurrence of the species (field presence in the checklist)

* CheckMandatory1: occurrence <> ('PRE', 'TAX')
* CheckMandatory2: occurrence <> ('PRE', 'TAX') and annexII <> 'Y\*' in the reported checklist

CheckMinMax: Min value should be < Max value

For the following group, checks are repeated between sections, and checks listed above are also used. For instance, CheckChange refers to CheckLUtable and CheckMandatory1

Check Huntingbag: serie of 8 checks that are repeated for each given season (1 to 6)

CheckFavourable: serie of checks that are similar between sections (5. Range and 6. Population). Only the checks related to the comparison of the reference value is species to the section, meaning S139, S140, S141, S142, S143, S548, S084, S085 are specific to the section)

CheckChange: serie of checks that are similar between sections

CheckMethod: serie of checks

* CheckMethod1: including one CheckLUtable and one CheckMandatory (1 or 2)
* CheckMethod2: one additional check specific for short term trend

PLEASE NOTE: some of these generic checks depend on a condition, is these cases, it is followed by +condition

examples: CheckMandatory1 + condition

There are 4 levels of errors that can be triggered by the QA/QC in the tool and/or Reportnet. Please note that by default, all rules listed in this document should be applied to both the tool and Reportnet.

|  |  |
| --- | --- |
| **Error Level** | **Error description** |
| **BLOCKER** | a major error and data reported is blocked in Tool and/or Reportnet (see the field QA/QC in tool/CDR) and data is required to be redelivered |
| **WARNING** | a potential (or insignificant) error and data reported is not blocked  |
| **INFO** | information message to further inform the MS reporter |
| **ERROR** | a major error but data reported is not blocked |

Make sure that the QA/QC should not be case sensitive (mainly for lu tables)

Indication for Boolean fields: YES/No used for Boolean fields, meaning true/false

# NATIONAL LEVEL

# Annex B - 1 General information

|  |  |
| --- | --- |
|  | Spec.1.1 Member State |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Member State’ is present | Check if the reported value is in the vocabulary: countries ✔Check passed ✘Error in validation: message S001 | S001 | Invalid code. | **BLOCKER** | Invalid code. Please check the [vocabulary countries](http://dd.eionet.europa.eu/vocabulary/art17_2018/countries/). |
|  | If ‘Member State’ **not** present | ✘Error in validation: message S002 | S002 | Mandatory information missing. | **BLOCKER** | Mandatory information missing. The country code should be provided. |
|  | Spec.1.2 Species code |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Species code’ is present | Check if the reported value is in the vocabulary: speciescode|HDspecies ✔Check passed ✘Error in validation: message S003 | S003 | Invalid code. | **BLOCKER** | Invalid code. Please check the [vocabulary HDspecies](http://dd.eionet.europa.eu/vocabulary/art17_2018/HDspecies/). |
|  | If ‘Species code’ **not** present | ✘Error in validation: message S004 | S004 | Mandatory information missing. | **BLOCKER** | Mandatory information missing. The species code should be provided. |
|  | Spec.1.3 Species scientific name |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘species scientific name’ is present | Check if the reported value is in the vocabulary: speciesname| HDspecies and corresponds to the code reported in Spec.1.2 ✔Check passed ✘Error in validation: message S005 | S005 | Incoherent information. | **WARNING** | Incoherent information in this section. The combination species code/scientific name should exist in the [vocabulary HDspecies](http://dd.eionet.europa.eu/vocabulary/art17_2018/HDspecies/). |
|  | If ‘species scientific name’ **not** present | Check if Spec.1.2 is empty ✔Check passed ✘Error in validation: message S006 | S006 | Incoherent information. | **ERROR** | Incoherent information in this section. The scientific name should be provided. |
|  | Spec.1.4 Alternative species scientific name |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | No check |
|  | Spec.1.5 Common name |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | No check |

# Annex B - 2 Maps

|  |  |
| --- | --- |
|  | Spec.2.1 Sensitive species |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckYESNO | If ‘Sensitive species’ is present | Check if the reported value is 'YES' or 'NO' ✔Check passed ✘Error in validation: message S007 | S007 | Invalid code. | **BLOCKER** | Invalid code. Code should be 'Yes' or 'No'. |
|  | If ‘Sensitive species’ **not** present |  ✘Error in validation: message S008 | S008 | Mandatory information missing. | **ERROR** | Mandatory information missing. Indicate whether information on species distribution is sensitive. |
|  | Spec.2.2 Year or period |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat1 | If ‘Year or period’ is present | 1. Check if date has valid format: should be like YYYY or YYYY-YYYY. ✔Check passed ✘Error in validation: message S0092. If check passed, and reported period like YYYY-YYYY, check if YYYY1 ≤ YYYY2. ✔Check passed ✘Error in validation: message S010 | S009S010 | Incorrect data format.Incoherent information. | **ERROR****ERROR** | Incorrect data format, it must be YYYY or YYYY-YYYY.Incoherent information provided. Year1 should be ≤ than year2. |
|

|  |  |
| --- | --- |
| CheckMandatory1 + condition | If ‘Distribution map Method used’ **not** present |

 | If ‘Year or period’ **not** present | Check if occurrence <> ('PRE', 'TAX') in all regions ✔Check passed ✘Error in validation: message S011 | S011 | Mandatory information missing. | **ERROR** | Mandatory information missing. Year or period should be provided. |
|  | Spec.2.3 Distribution map |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | No check |
|  | Spec.2.4 Distribution map Method used |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckMethod1 + condition | If ‘Distribution map Method used’ is present | Check if the reported value is in the vocabulary: methodsUsed ✔Check passed ✘Error in validation: message S012 | S012 | Invalid code. | **BLOCKER** | Invalid code. Please check the [vocabulary methodsUsed](http://dd.eionet.europa.eu/vocabulary/art17_2018/methodsUsed/). |
| If ‘Distribution map Method used’ **not** present | Check if occurrence <> ('PRE', 'TAX') in all regions ✔Check passed ✘Error in validation: message S013 | S013 | Mandatory information missing. | **ERROR** | Mandatory information missing. Method should be provided. In case the information to be reported in this section is not available use 'AbsentData - Insufficient or no data available'. |
|  | Spec.2.5 Additional maps |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | No check |

### Annex B - 3 Information related to Annex V species (Article 14)

|  |  |
| --- | --- |
|  | Spec.3.1 Is the species taken in the wild/exploited? |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckYESNO | If ‘Is the species taken in the wild/exploited’ is present | 1. Check if the reported value is 'YES' or 'NO' ✔Check passed ✘Error in validation: message S0142. If check passed, check if Spec.1.2 is in the reported checklist with annexV like 'Y\*' at least in one region ✔Check passed ✘Error in validation: message S015 | S014S015 | Invalid code.Incoherent information. | **BLOCKER****WARNING** | Invalid code. Code should be 'Yes' or 'No'.Incoherent information in this section. This section is to report on Annex V species only. |
|  |
|  | If ‘Is the species taken in the wild/exploited’ **not** present | Check if Spec.1.2 is in the reported checklist with annexV <> 'Y\*' in all regions and occurrence <> ('PRE', 'TAX') in all regions ✔Check passed ✘Error in validation: message S016 | S016 | Mandatory information missing. | **ERROR** | Mandatory information missing. Indicate whether this Annex V species is taken or exploited. Report 'No' if the answer to the question: ‘Is the species taken in the wild/exploited’ is 'No'. |
|  | Spec.3.2 a, b, c, d, e, f, g, h Which of the measures in Art. 14 have been taken?The following checks apply to a, b, c, d, e, f, g, h. Should appear at higher level (3.2). Only one error message is expected in this case in order to avoid any duplication. |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | If ‘Which of the measures in Art. 14 have been taken?’ is present | If check passed, check if Spec.3.1 like 'YES' and SpecReg.11.5 in ('U1', 'U2') in 1 region at least ✔Check passed ✘Error in validation: message S017 | S017 | Incoherent information. | **WARNING** | Incoherent information in this section. This section Spec.3.2 should be filled when the species is taken in the wild or exploited ('Yes' reported in Spec.3.1) and the conservation status of the species is ‘unfavourable’ (U1 or U2) in at least one biogeographical or marine region. |
|  | If ‘Which of the measures in Art. 14 have been taken?’ **not** present | Check if Spec.3.1 like 'YES' and SpecReg.11.5 <> ('U1', 'U2') in all regions ✔Check passed ✘Error in validation: message S018 | S018 | Mandatory information missing. | **ERROR** | Mandatory information missing. This section should be filled when the species is taken in the wild or exploited ('Yes' reported in Spec.3.1) and the conservation status of the species is ‘unfavourable’ (U1 or U2) in at least one biogeographical or marine region. |
|  | Spec.3.2a Which of the measures in Art. 14 have been taken? - a) regulations regarding access to property |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckYESNO | If ‘[…] regulations regarding access to property’ is present | Check if the reported value is 'YES' or 'NO' ✔Check passed ✘Error in validation: message S019 | S019 | Invalid code. | **BLOCKER** | Invalid code. Code should be 'Yes' or 'No'. |
|  | Spec.3.2b Which of the measures in Art. 14 have been taken? - b) temporary or local prohibition of the taking of specimens in the wild and exploitation |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckYESNO | If ‘[…] taking of specimens in the wild and exploitation’ is present | Check if the reported value is 'YES' or 'NO' ✔Check passed ✘Error in validation: message S020 | S020 | Invalid code. | **BLOCKER** | Invalid code. Code should be 'Yes' or 'No'. |
|  | Spec.3.2c Which of the measures in Art. 14 have been taken? - c) regulation of the periods and/or methods of taking specimens |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckYESNO | If ‘[…] methods of taking specimens’ is present | Check if the reported value is 'YES' or 'NO' ✔Check passed ✘Error in validation: message S021 | S021 | Invalid code. | **BLOCKER** | Invalid code. Code should be 'Yes' or 'No'. |
|  | Spec.3.2d Which of the measures in Art. 14 have been taken? - d) application of hunting and fishing rules which take account of the conservation of such populations |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckYESNO | If ‘[…] take account of the conservation of such populations’ is present | Check if the reported value is 'YES' or 'NO' ✔Check passed ✘Error in validation: message S022 | S022 | Invalid code. | **BLOCKER** | Invalid code. Code should be 'Yes' or 'No'. |
|  | Spec.3.2e Which of the measures in Art. 14 have been taken? - e) establishment of a system of licences for taking specimens or of quotas |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckYESNO | If ‘[…] licences for taking specimens or of quotas’ is present | Check if the reported value is 'YES' or 'NO' ✔Check passed ✘Error in validation: message S023 | S023 | Invalid code. | **BLOCKER** | Invalid code. Code should be 'Yes' or 'No'. |
|  | Spec.3.2f Which of the measures in Art. 14 have been taken? - f) regulation of the purchase, sale, offering for sale, keeping for sale or transport for sale of specimens |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckYESNO | If ‘[…] keeping for sale or transport for sale of specimens’ is present | Check if the reported value is 'YES' or 'NO' ✔Check passed ✘Error in validation: message S024 | S024 | Invalid code. | **BLOCKER** | Invalid code. Code should be 'Yes' or 'No'. |
|  | Spec.3.2g Which of the measures in Art. 14 have been taken? - g) breeding in captivity of animal species as well as artificial propagation of plant species |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckYESNO | If ‘[…] artificial propagation of plant species’ is present | Check if the reported value is 'YES' or 'NO' ✔Check passed ✘Error in validation: message S025 | S025 | Invalid code. | **BLOCKER** | Invalid code. Code should be 'Yes' or 'No'. |
|  | Spec.3.2h1 Which of the measures in Art. 14 have been taken? - h) other yes/no |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckYESNO | If ‘other yes/no’ is present | Check if the reported value is 'YES' or 'NO' ✔Check passed ✘Error in validation: message S026 | S026 | Invalid code. | **BLOCKER** | Invalid code. Code should be 'Yes' or 'No'. |
|  | Spec.3.2h2 Which of the measures in Art. 14 have been taken? - h) other yes description |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | If ‘other yes description’ is present | Check if the reported value is 'YES' in Spec.3.2h1 ✔Check passed ✘Error in validation: message S027 | S027 | Incoherent information. | **ERROR** | Incoherent information provided. The measures taken should be described only when ‘yes, other measures’ have been selected ('Yes' reported in Spec.3.2h1). |
|  | If ‘other yes description’ **not** present | Check if the reported value <> 'YES' in Spec.3.2h1 ✔Check passed ✘Error in validation: message S028 | S028 | Mandatory information missing. | **ERROR** | Mandatory information missing. The measures taken should be described when other measures have been selected ('Yes' reported in Spec.3.2h1). |
|  | Spec.3.3a Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Unit |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Hunting bag […] unit’ is present | Check if the reported value is in the vocabulary: populationUnits ✔Check passed ✘Error in validation: message S029 | S029 | Invalid code. | **ERROR** | Invalid code. Please check the [vocabulary populationUnits](http://dd.eionet.europa.eu/vocabulary/art17_2018/populationUnits/). |
|  | If ‘Hunting bag […] unit’ **not** present | Check if occurrence <> ('PRE', 'TAX') in all regions and Spec.1.2 <> (5040, 5041, 2487, 2488, 2489)[[1]](#footnote-1) and <> ‘mammals’ (information to be checked in the checklist on the reference portal or in vocabulary HDspecies) ✔Check passed ✘Error in validation: message S030 | S030 | Mandatory information missing. | **ERROR** | Mandatory information missing. Population unit for the hunting bag or quantity taken in the wild should be provided. |
|  | Spec.3.3b1min, max, unknown Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Statistics/quantity per hunting season or year over the reporting period – Season/year1The following checks apply to min, max, unknown. Should appear at higher level (3.3b1). Only one error message is expected in this case in order to avoid any duplication. |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| Check Huntingbag | If at least one field of ‘Hunting bag or quantity taken in the wild […] Statistics/quantity per hunting season or year […] – Season/year1’ is present | 1. When Spec.3.3a is presentCheck if occurrence <> ('PRE', 'TAX') in all regions and Spec.1.2 <> (5040, 5041, 2487, 2488, 2489) and <> ‘mammals’ (information to be checked in the checklist on the reference portal or in vocabulary HDspecies)Check if Spec.3.3b1min and Spec.3.3b1max are present ✔Check passed ✘Error in validation: message S500(in the following check, we want to make sure that only min/max are provided with max > 0 and unknown is ticked as No, OR the opposite where unknown is yes and min/max should be 0)2. If check passed, check if, check if (Spec.3.3b1max > 0 and Spec.3.3b1x like 'no') OR (Spec.3.3b1min and Spec.3.3b1 max = 0 and Spec.3.3b1x like 'yes')  ✔Check passed ✘Error in validation: message S501 | S500S501 | Min/max value should be provided systematically for all seasons.Incoherent information. | **ERROR****ERROR** | Min/max value should be provided systematically for all seasons. Report '0' if no hunting bag or there was a temporary ban.Incoherent information provided. Only min/max or unknown value is expected for 3.3.b1 Statistics/quantity per hunting season or year over the reporting period – Season/year1. |
| If all fields of ‘Hunting bag or quantity taken in the wild […] Statistics/quantity per hunting season or year […] – Season/year1’ **not** present | When Spec.3.3a is presentCheck if occurrence <> ('PRE', 'TAX') in all regions and Spec.1.2 <> (5040, 5041, 2487, 2488, 2489) and <> ‘mammals’ (information to be checked in the checklist on the reference portal or in vocabulary HDspecies) ✔Check passed ✘Error in validation: message S502 | S502 | Mandatory information missing. | **ERROR** | Mandatory information missing. Statistics/quantity per hunting season or year over the reporting period – Season/year1 should be provided (3.3.b1min, 3.3.b1max, 3.3.b1x).  |
| Spec.3.3b1min Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Statistics/quantity per hunting season or year over the reporting period - Season/year 1 min |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Season/year 1 min’ is present | Check the data type and ≥ 0 ✔Check passed ✘Error in validation: message S503 | S503 | Incorrect data format. | **ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
| Spec.3.3b1max Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Statistics/quantity per hunting season or year over the reporting period - Season/year 1 max |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Season/year 1 max’ is present  | 1. Check the data type and ≥ 0 ✔Check passed ✘Error in validation: message S5042. If check passed, check if Spec.3.3b1max ≥ Spec.3.3b1min ✔Check passed ✘Error in validation: message S505 | S504S505 | Incorrect data format.3.3b1max Statistics/quantity on season/year 1- max should be ≥ min. | **ERROR****ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
| Spec.3.3b1x Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Statistics/quantity per hunting season or year over the reporting period - Season/year 1 unknown |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Season/year 1 unknown’ is present | Check if the reported value is 'YES' or 'NO' ✔Check passed ✘Error in validation: message S506 | S506 | Invalid code. | **ERROR** | Invalid code. Code should be 'Yes' or 'No'. |
| If ‘Season/year 1 unknown’ **not** present | Check if occurrence <> ('PRE', 'TAX') in all regions and Spec.1.2 <> (5040, 5041, 2487, 2488, 2489) and <> ‘mammals’ (information to be checked in the checklist on the reference portal or in vocabulary HDspecies) ✔Check passed ✘Error in validation: message S507 | S507 | Incorrect data format. | **ERROR** | Incorrect data format. This field cannot be empty. Code should be 'Yes' or 'No'. |
|  | Spec.3.3b2min, max, unknown Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Statistics/quantity per hunting season or year over the reporting period – Season/year2The following checks apply to min, max, unknown. Should appear at higher level (3.3b2). Only one error message is expected in this case in order to avoid any duplication. |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| Check Huntingbag | If at least one field of ‘Hunting bag or quantity taken in the wild […] Statistics/quantity per hunting season or year […] – Season/year2’ is present | 1. When Spec.3.3a is presentCheck if occurrence <> ('PRE', 'TAX') in all regions and Spec.1.2 <> (5040, 5041, 2487, 2488, 2489) and <> ‘mammals’ (information to be checked in the checklist on the reference portal or in vocabulary HDspecies)Check if Spec.3.3b2min and Spec.3.3b2max are present ✔Check passed ✘Error in validation: message S508(in the following check, we want to make sure that only min/max are provided with max > 0 and unknown is ticked as No, OR the opposite where unknown is yes and min/max should be 0)2. If check passed, check if, check if (Spec.3.3b2max > 0 and Spec.3.3b2x like 'no') OR (Spec.3.3b2min and Spec.3.3b2 max = 0 and Spec.3.3b2x like 'yes')  ✔Check passed ✘Error in validation: message S509 | S508S509 | Min/max value should be provided systematically for all seasons. Incoherent information. | **ERROR****ERROR** | Min/max value should be provided systematically for all seasons. Report '0' if no hunting bag or there was a temporary ban.Incoherent information provided. Only min/max or unknown value is expected for 3.3.b2 Statistics/quantity per hunting season or year over the reporting period – Season/year2. |
| If all fields of ‘Hunting bag or quantity taken in the wild […] Statistics/quantity per hunting season or year […] – Season/year2’ **not** present | When Spec.3.3a is presentCheck if occurrence <> ('PRE', 'TAX') in all regions and Spec.1.2 <> (5040, 5041, 2487, 2488, 2489) and <> ‘mammals’ (information to be checked in the checklist on the reference portal or in vocabulary HDspecies) ✔Check passed ✘Error in validation: message S510 | S510 | Mandatory information missing. | **ERROR** | Mandatory information missing. Statistics/quantity per hunting season or year over the reporting period – Season/year2 should be provided (3.3.b2min, 3.3.b2max, 3.3.b2x). |
| Spec.3.3b2min Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Statistics/quantity per hunting season or year over the reporting period - Season/year 2 min |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Season/year 2 min’ is present | Check the data type and ≥ 0 ✔Check passed ✘Error in validation: message S511 | S511 | Incorrect data format. | **ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
| Spec.3.3b2max Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Statistics/quantity per hunting season or year over the reporting period - Season/year 2 max |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Season/year 2 max’ is present  | 1. Check the data type and ≥ 0 ✔Check passed ✘Error in validation: message S5122. If check passed, check if Spec.3.3b2max ≥ Spec.3.3b2min ✔Check passed ✘Error in validation: message S513 | S512S513 | Incorrect data format.3.3b2max Statistics/quantity on season/year 2- max should be ≥ min. | **ERROR****ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
| Spec.3.3b2x Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Statistics/quantity per hunting season or year over the reporting period - Season/year 2 unknown |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Season/year 2 unknown’ is present | Check if the reported value is 'YES' or 'NO' ✔Check passed ✘Error in validation: message S514 | S514 | Invalid code. | **ERROR** | Invalid code. Code should be 'Yes' or 'No'. |
| If ‘Season/year 2 unknown’ **not** present | Check if occurrence <> ('PRE', 'TAX') in all regions and Spec.1.2 <> (5040, 5041, 2487, 2488, 2489) and <> ‘mammals’ (information to be checked in the checklist on the reference portal or in vocabulary HDspecies) ✔Check passed ✘Error in validation: message S515 | S515 | Incorrect data format. | **ERROR** | Incorrect data format. This field cannot be empty. Code should be 'Yes' or 'No'. |
|  | Spec.3.3b3min, max, unknown Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Statistics/quantity per hunting season or year over the reporting period – Season/year3The following checks apply to min, max, unknown. Should appear at higher level (3.3b3). Only one error message is expected in this case in order to avoid any duplication. |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| Check Huntingbag  | If at least one field of ‘Hunting bag or quantity taken in the wild […] Statistics/quantity per hunting season or year […] – Season/year3’ is present | 1. When Spec.3.3a is presentCheck if occurrence <> ('PRE', 'TAX') in all regions and Spec.1.2 <> (5040, 5041, 2487, 2488, 2489) and <> ‘mammals’ (information to be checked in the checklist on the reference portal or in vocabulary HDspecies)Check if Spec.3.3b3min and Spec.3.3b3max are present ✔Check passed ✘Error in validation: message S516(in the following check, we want to make sure that only min/max are provided with max > 0 and unknown is ticked as No, OR the opposite where unknown is yes and min/max should be 0)2. If check passed, check if, check if (Spec.3.3b3max > 0 and Spec.3.3b3x like 'no') OR (Spec.3.3b3min and Spec.3.3b3 max = 0 and Spec.3.3b3x like 'yes')  ✔Check passed ✘Error in validation: message S517 | S516S517 | Min/max value should be provided systematically for all seasons. Incoherent information. | **ERROR****ERROR** | Min/max value should be provided systematically for all seasons. Report '0' if no hunting bag or there was a temporary ban.Incoherent information provided. Only min/max or unknown value is expected for 3.3.b3 Statistics/quantity per hunting season or year over the reporting period – Season/year3. |
| If all fields of ‘Hunting bag or quantity taken in the wild […] Statistics/quantity per hunting season or year […] – Season/year3’ **not** present | When Spec.3.3a is presentCheck if occurrence <> ('PRE', 'TAX') in all regions and Spec.1.2 <> (5040, 5041, 2487, 2488, 2489) and <> ‘mammals’ (information to be checked in the checklist on the reference portal or in vocabulary HDspecies) ✔Check passed ✘Error in validation: message S518 | S518 | Mandatory information missing. | **ERROR** | Mandatory information missing. Statistics/quantity per hunting season or year over the reporting period – Season/year3 should be provided (3.3.b3min, 3.3.b3max, 3.3.b3x). |
| Spec.3.3b3min Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Statistics/quantity per hunting season or year over the reporting period - Season/year 3 min |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Season/year 3 min’ is present | Check the data type and ≥ 0 ✔Check passed ✘Error in validation: message S519 | S519 | Incorrect data format. | **ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
| Spec.3.3b3max Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Statistics/quantity per hunting season or year over the reporting period - Season/year 3 max |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Season/year 3 max’ is present  | 1. Check the data type and ≥ 0 ✔Check passed ✘Error in validation: message S5202. If check passed, check if Spec.3.3b3max ≥ Spec.3.3b3min ✔Check passed ✘Error in validation: message S521 | S520S521 | Incorrect data format.3.3b3max Statistics/quantity on season/year 3- max should be ≥ min. | **ERROR****ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
| Spec.3.3b3x Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Statistics/quantity per hunting season or year over the reporting period - Season/year 3 unknown |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Season/year 3 unknown’ is present | Check if the reported value is 'YES' or 'NO' ✔Check passed ✘Error in validation: message S522 | S522 | Invalid code. | **ERROR** | Invalid code. Code should be 'Yes' or 'No'. |
| If ‘Season/year 3 unknown’ **not** present | Check if occurrence <> ('PRE', 'TAX') in all regions and Spec.1.2 <> (5040, 5041, 2487, 2488, 2489) and <> ‘mammals’ (information to be checked in the checklist on the reference portal or in vocabulary HDspecies) ✔Check passed ✘Error in validation: message S523 | S523 | Incorrect data format. | **ERROR** | Incorrect data format. This field cannot be empty. Code should be 'Yes' or 'No'. |
|  | Spec.3.3b4min, max, unknown Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Statistics/quantity per hunting season or year over the reporting period – Season/year4The following checks apply to min, max, unknown. Should appear at higher level (3.3b4). Only one error message is expected in this case in order to avoid any duplication. |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| Check Huntingbag | If at least one field of ‘Hunting bag or quantity taken in the wild […] Statistics/quantity per hunting season or year […] – Season/year4’ is present | 1. When Spec.3.3a is presentCheck if occurrence <> ('PRE', 'TAX') in all regions and Spec.1.2 <> (5040, 5041, 2487, 2488, 2489) and <> ‘mammals’ (information to be checked in the checklist on the reference portal or in vocabulary HDspecies)Check if Spec.3.3b4min and Spec.3.3b4max are present ✔Check passed ✘Error in validation: message S524(in the following check, we want to make sure that only min/max are provided with max > 0 and unknown is ticked as No, OR the opposite where unknown is yes and min/max should be 0)2. If check passed, check if, check if (Spec.3.3b4max > 0 and Spec.3.3b4x like 'no') OR (Spec.3.3b4min and Spec.3.3b4 max = 0 and Spec.3.3b4x like 'yes')  ✔Check passed ✘Error in validation: message S525 | S524S525 | Min/max value should be provided systematically for all seasons. Incoherent information. | **ERROR****ERROR** | Min/max value should be provided systematically for all seasons. Report '0' if no hunting bag or there was a temporary ban.Incoherent information provided. Only min/max or unknown value is expected for 3.3.b4 Statistics/quantity per hunting season or year over the reporting period – Season/year4. |
| If all fields of ‘Hunting bag or quantity taken in the wild […] Statistics/quantity per hunting season or year […] – Season/year4’ **not** present | When Spec.3.3a is presentCheck if occurrence <> ('PRE', 'TAX') in all regions and Spec.1.2 <> (5040, 5041, 2487, 2488, 2489) and <> ‘mammals’ (information to be checked in the checklist on the reference portal or in vocabulary HDspecies) ✔Check passed ✘Error in validation: message S526 | S526 | Mandatory information missing. | **ERROR** | Mandatory information missing. Statistics/quantity per hunting season or year over the reporting period – Season/year4 should be provided (3.3.b4min, 3.3.b4max, 3.3.b4x). |
| Spec.3.3b4min Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Statistics/quantity per hunting season or year over the reporting period - Season/year 4 min |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Season/year 4 min’ is present | Check the data type and ≥ 0 ✔Check passed ✘Error in validation: message S527 | S527 | Incorrect data format. | **ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
| Spec.3.3b4max Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Statistics/quantity per hunting season or year over the reporting period - Season/year 4 max |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Season/year 4 max’ is present  | 1. Check the data type and ≥ 0 ✔Check passed ✘Error in validation: message S5282. If check passed, check if Spec.3.3b4max ≥ Spec.3.3b4min ✔Check passed ✘Error in validation: message S529 | S528S529 | Incorrect data format.3.3b4max Statistics/quantity on season/year 4- max should be ≥ min. | **ERROR****ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
| Spec.3.3b4x Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Statistics/quantity per hunting season or year over the reporting period - Season/year 4 unknown |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Season/year 4 unknown’ is present | Check if the reported value is 'YES' or 'NO' ✔Check passed ✘Error in validation: message S530 | S530 | Invalid code. | **ERROR** | Invalid code. Code should be 'Yes' or 'No'. |
| If ‘Season/year 4 unknown’ **not** present | Check if occurrence <> ('PRE', 'TAX') in all regions and Spec.1.2 <> (5040, 5041, 2487, 2488, 2489) and <> ‘mammals’ (information to be checked in the checklist on the reference portal or in vocabulary HDspecies) ✔Check passed ✘Error in validation: message S531 | S531 | Incorrect data format. | **ERROR** | Incorrect data format. This field cannot be empty. Code should be 'Yes' or 'No'. |
|  | Spec.3.3b5min, max, unknown Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Statistics/quantity per hunting season or year over the reporting period – Season/year5The following checks apply to min, max, unknown. Should appear at higher level (3.3b5). Only one error message is expected in this case in order to avoid any duplication. |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| Check Huntingbag | If at least one field of ‘Hunting bag or quantity taken in the wild […] Statistics/quantity per hunting season or year […] – Season/year5’ is present | 1. When Spec.3.3a is presentCheck if occurrence <> ('PRE', 'TAX') in all regions and Spec.1.2 <> (5040, 5041, 2487, 2488, 2489) and <> ‘mammals’ (information to be checked in the checklist on the reference portal or in vocabulary HDspecies)Check if Spec.3.3b5min and Spec.3.3b5max are present ✔Check passed ✘Error in validation: message S532(in the following check, we want to make sure that only min/max are provided with max > 0 and unknown is ticked as No, OR the opposite where unknown is yes and min/max should be 0)2. If check passed, check if, check if (Spec.3.3b5max > 0 and Spec.3.3b5x like 'no') OR (Spec.3.3b5min and Spec.3.3b5 max = 0 and Spec.3.3b5x like 'yes')  ✔Check passed ✘Error in validation: message S533 | S532S533 | Min/max value should be provided systematically for all seasons.Incoherent information. | **ERROR****ERROR** | Min/max value should be provided systematically for all seasons. Report '0' if no hunting bag or there was a temporary ban.Incoherent information provided. Only min/max or unknown value is expected for 3.3.b5 Statistics/quantity per hunting season or year over the reporting period – Season/year5. |
| If all fields of ‘Hunting bag or quantity taken in the wild […] Statistics/quantity per hunting season or year […] – Season/year5’ **not** present | When Spec.3.3a is presentCheck if occurrence <> ('PRE', 'TAX') in all regions and Spec.1.2 <> (5040, 5041, 2487, 2488, 2489) and <> ‘mammals’ (information to be checked in the checklist on the reference portal or in vocabulary HDspecies) ✔Check passed ✘Error in validation: message S534 | S534 | Mandatory information missing. | **ERROR** | Mandatory information missing. Statistics/quantity per hunting season or year over the reporting period – Season/year5 should be provided (3.3.b5min, 3.3.b5max, 3.3.b5x). |
| Spec.3.3b5min Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Statistics/quantity per hunting season or year over the reporting period - Season/year 5 min |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Season/year 5 min’ is present | Check the data type and ≥ 0 ✔Check passed ✘Error in validation: message S535 | S535 | Incorrect data format. | **ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
| Spec.3.3b5max Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Statistics/quantity per hunting season or year over the reporting period - Season/year 5 max |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Season/year 5 max’ is present  | 1. Check the data type and ≥ 0 ✔Check passed ✘Error in validation: message S5362. If check passed, check if Spec.3.3b5max ≥ Spec.3.3b5min ✔Check passed ✘Error in validation: message S537 | S536S537 | Incorrect data format.3.3b5max Statistics/quantity on season/year 5- max should be ≥ min. | **ERROR****ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted.**-** |
| Spec.3.3b5x Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Statistics/quantity per hunting season or year over the reporting period - Season/year 5 unknown |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Season/year 5 unknown’ is present | Check if the reported value is 'YES' or 'NO' ✔Check passed ✘Error in validation: message S538 | S538 | Invalid code. | **ERROR** | Invalid code. Code should be 'Yes' or 'No'. |
| If ‘Season/year 5 unknown’ **not** present | Check if occurrence <> ('PRE', 'TAX') in all regions and Spec.1.2 <> (5040, 5041, 2487, 2488, 2489) and <> ‘mammals’ (information to be checked in the checklist on the reference portal or in vocabulary HDspecies) ✔Check passed ✘Error in validation: message S539 | S539 | Incorrect data format. | **ERROR** | Incorrect data format. This field cannot be empty. Code should be 'Yes' or 'No'. |
|  | Spec.3.3b6min, max, unknown Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Statistics/quantity per hunting season or year over the reporting period – Season/year6The following checks apply to min, max, unknown. Should appear at higher level (3.3b6). Only one error message is expected in this case in order to avoid any duplication. |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| Check Huntingbag | If at least one field of ‘Hunting bag or quantity taken in the wild […] Statistics/quantity per hunting season or year […] – Season/year6’ is present | 1. When Spec.3.3a is presentCheck if occurrence <> ('PRE', 'TAX') in all regions and Spec.1.2 <> (5040, 5041, 2487, 2488, 2489) and <> ‘mammals’ (information to be checked in the checklist on the reference portal or in vocabulary HDspecies)Check if Spec.3.3b6min and Spec.3.3b6max are present ✔Check passed ✘Error in validation: message S540(in the following check, we want to make sure that only min/max are provided with max > 0 and unknown is ticked as No, OR the opposite where unknown is yes and min/max should be 0)2. If check passed, check if, check if (Spec.3.3b6max > 0 and Spec.3.3b6x like 'no') OR (Spec.3.3b6min and Spec.3.3b6 max = 0 and Spec.3.3b6x like 'yes')  ✔Check passed ✘Error in validation: message S541 | S540S541 | Min/max value should be provided systematically for all seasons.Incoherent information. | **ERROR****ERROR** | Min/max value should be provided systematically for all seasons. Report '0' if no hunting bag or there was a temporary ban.Incoherent information provided. Only min/max or unknown value is expected for 3.3.b6 Statistics/quantity per hunting season or year over the reporting period – Season/year6. |
| If all fields of ‘Hunting bag or quantity taken in the wild […] Statistics/quantity per hunting season or year […] – Season/year6’ **not** present | When Spec.3.3a is presentCheck if occurrence <> ('PRE', 'TAX') in all regions and Spec.1.2 <> (5040, 5041, 2487, 2488, 2489) and <> ‘mammals’ (information to be checked in the checklist on the reference portal or in vocabulary HDspecies) ✔Check passed ✘Error in validation: message S542 | S542 | Mandatory information missing. | **ERROR** | Mandatory information missing. Statistics/quantity per hunting season or year over the reporting period – Season/year5 should be provided (3.3.b6min, 3.3.b6max, 3.3.b6x). |
| Spec.3.3b6min Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Statistics/quantity per hunting season or year over the reporting period - Season/year 6 min |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Season/year 6 min’ is present | Check the data type and ≥ 0 ✔Check passed ✘Error in validation: message S543 | S543 | Incorrect data format. | **ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
| Spec.3.3b6max Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Statistics/quantity per hunting season or year over the reporting period - Season/year 6 max |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Season/year 6 max’ is present  | 1. Check the data type and ≥ 0 ✔Check passed ✘Error in validation: message S5442. If check passed, check if Spec.3.3b6max ≥ Spec.3.3b6min ✔Check passed ✘Error in validation: message S545 | S544S545 | Incorrect data format.3.3b6max Statistics/quantity on season/year 6- max should be ≥ min. | **ERROR****ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
| Spec.3.3b6x Hunting bag or quantity taken in the wild for Mammals and Acipenseridae (Fish) - Statistics/quantity per hunting season or year over the reporting period - Season/year 6 unknown |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Season/year 6 unknown’ is present | Check if the reported value is 'YES' or 'NO' ✔Check passed ✘Error in validation: message S546 | S546 | Invalid code. | **ERROR** | Invalid code. Code should be 'Yes' or 'No'. |
| If ‘Season/year 6 unknown’ **not** present | Check if occurrence <> ('PRE', 'TAX') in all regions and Spec.1.2 <> (5040, 5041, 2487, 2488, 2489) and <> ‘mammals’ (information to be checked in the checklist on the reference portal or in vocabulary HDspecies) ✔Check passed ✘Error in validation: message S547 | S547 | Incorrect data format. | **ERROR** | Incorrect data format. This field cannot be empty. Code should be 'Yes' or 'No'. |
|  | Spec.3.4 Hunting bag or quantity taken in the wild Method used |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Hunting bag or quantity taken in the wild Method used’ is present | Check if the reported value is in the vocabulary: methodsUsed. ✔Check passed ✘Error in validation: message S058 | S058 | Invalid code. | **BLOCKER** | Invalid code. Please check the [vocabulary methodsUsed](http://dd.eionet.europa.eu/vocabulary/art17_2018/methodsUsed/). |
|  | If ‘Hunting bag or quantity taken in the wild Method used’ **not** present | Check if Spec.3.3a not present ✔Check passed ✘Error in validation: message S059 | S059 | Mandatory information missing. | **ERROR** | Mandatory information missing. The method should be provided. In case the information to be reported in this section is not available use 'AbsentData - Insufficient or no data available'. |
|  | Spec.3.5 Additional information |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | No check |

# BIOGEOGRAPHICAL LEVEL

# Annex B - 4 Biogeographical and marine regions

|  |  |
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|  | SpecReg.4.1 Biogeographical or marine region where the habitat occurs |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Biogeographical or marine region […]’ is present | Check if the reported value is in the vocabulary: bioGeoReg ✔Check passed ✘Error in validation: message S060 | S060 | Invalid code. | **BLOCKER** | Invalid code. Please check the [vocabulary bioGeoReg](http://dd.eionet.europa.eu/vocabulary/art17_2018/bioGeoReg/). |
| CheckMandatory1 | If ‘Biogeographical or marine region […]’ **not** present | Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S061 | S061 | Mandatory information missing. | **ERROR** | Mandatory information missing. Information on Biological or marine region is expected for mandatory report. |
|  | SpecReg.4.2 Sources of information |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | No check |

### Annex B - 5 Range

|  |  |
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|  | SpecReg.5.1 Surface area |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat2 | If ‘Surface area’ is present | Check the data type and Surface area ≥ 0 ✔Check passed ✘Error in validation: message S062 | S062 | Incorrect data format. | **ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 is permitted. |
| CheckMandatory1 | If ‘Surface area’ **not** present | Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S063 | S063 | Mandatory information missing. | **ERROR** | Mandatory information missing. Surface area should be provided. |
|  | SpecReg.5.2 Short-term trend Period |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat1 | If ‘Short-term trend Period’ is present | 1. Check if date has valid format: should be like YYYY-YYYY. ✔Check passed ✘Error in validation: message S0642. If check passed, check if YYYY1 ≤ YYYY2. ✔Check passed ✘Error in validation: message S065 | S064S065 | Incorrect data format.Incoherent information. | **ERROR****ERROR** | Incorrect data format, it must be YYYY-YYYY.Incoherent information provided. Year1 should be ≤ than year2. |
| CheckMandatory1 | If ‘Short-term trend Period’ **not** present  | Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S066 | S066 | Mandatory information missing. | **ERROR** | Mandatory information missing. Period should be provided. |
|  | SpecReg.5.3 Short-term trend Direction |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Short-term trend Direction’ is present | Check if the reported value is in the vocabulary: trends. ✔Check passed ✘Error in validation: message S067 | S067 | Invalid code. | **BLOCKER** | Invalid code. Please check the [vocabulary trends](http://dd.eionet.europa.eu/vocabulary/art17_2018/trends/). |
| CheckMandatory1 | If ‘Short-term trend Direction’ **not** present | Check if occurrence <> ('PRE', 'TAX'). ✔Check passed ✘Error in validation: message S068 | S068 | Mandatory information missing. | **ERROR** | Mandatory information missing. Trend should be provided. In case the information to be reported in this section is not available use ‘Unk - unknown’. |
|  | SpecReg.5.4a Short-term trend Magnitude - Minimum |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat2 | If ‘Short-term trend Magnitude - Minimum’ is present  | Check the data type and value ≥ 0 ✔Check passed ✘Error in validation: message S069 | S069 | Incorrect data format. | **ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
|  | SpecReg.5.4b Short-term trend Magnitude - Maximum |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat2 | If ‘Short-term trend Magnitude - Maximum’ is present  | 1. Check the data type and value ≥ 0 ✔Check passed ✘Error in validation: message S0702. If check passed, check if SpecReg.5.4b ≥ SpecReg.5.4a ✔Check passed ✘Error in validation: message S071 | S070S071 | Incorrect data format.5.4b Short-term trend Magnitude - max should be ≥ min. | **ERROR****ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
| CheckMinMax |
|  | SpecReg.5.5 Short-term trend Method used |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckMethod2 | If ‘Short-term trend Method used’ is present | 1. Check if the reported value is in the vocabulary: methodsUsed ✔Check passed ✘Error in validation: message S0722. If check passed, and the reported value is 'AbsentData', check if SpecReg.5.3 is in ('U','Unk') ✔Check passed ✘Error in validation: message S073 | S072S073 | Invalid code.Incoherent information. | **BLOCKER****WARNING** | Invalid code. Please check the [vocabulary methodsUsed](http://dd.eionet.europa.eu/vocabulary/art17_2018/methodsUsed/).Inconsistent values provided in fields 5.3 Short-term trend Direction and 5.5 Short-term trend Method used. When the method is 'AbsentData - Insufficient or no data available', the trend cannot be defined. If you want to report a trend as stable, increasing or decreasing based on a method using limited data, please select 'estimateExpert - Based mainly on expert opinion with very limited data' for the method used |
| If ‘Short-term trend Method used’ **not** present | Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S074 | S074 | Mandatory information missing. | **ERROR** | Mandatory information missing. The method should be provided. In case the information to be reported in this section is not available use 'AbsentData - Insufficient or no data available'. |
|  | SpecReg.5.6 Long-term trend Period |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat1 | If ‘Long-term trend Period’ is present | 1. Check if date has valid format: should be like YYYY-YYYY ✔Check passed ✘Error in validation: message S0752. If check passed, check if YYYY1 ≤ YYYY2 ✔Check passed ✘Error in validation: message S076 | S075S076 | Incorrect data format.Incoherent information. | **ERROR****ERROR** | Incorrect data format, it must be YYYY-YYYY.Incoherent information provided. Year1 should be ≤ than year2. |
|  | SpecReg.5.7 Long-term trend Direction |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Long-term trend Direction’ is present | Check if the reported value is in the vocabulary: trends ✔Check passed ✘Error in validation: message S077 | S077 | Invalid code. | **BLOCKER** | Invalid code. Please check the [vocabulary trends](http://dd.eionet.europa.eu/vocabulary/art17_2018/trends/). |
|  | SpecReg.5.8a Long-term trend Magnitude - Minimum |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat2 | If ‘Long-term trend Period’ is present | Check the data type and value ≥ 0 ✔Check passed ✘Error in validation: message S078 | S078 | Incorrect data format. | **ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
|  | SpecReg.5.8b Long-term trend Magnitude - Maximum |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat2 | If ‘Long-term trend Period’ is present | 1. Check the data type and value ≥ 0 ✔Check passed ✘Error in validation: message S0792. If check passed, check if SpecReg.5.8b ≥ SpecReg.5.8a ✔Check passed ✘Error in validation: message S080 | S079S080 | Incorrect data format.5.8b Long-term trend Magnitude - max should be ≥ min. | **ERROR****ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
| CheckMinMax |
|  | SpecReg.5.9 Long-term trend Method used |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Long-term trend Method used’ is present | Check if the reported value is in the vocabulary: methodsUsed ✔Check passed ✘Error in validation: message S081 | S081 | Invalid code. | **BLOCKER** | Invalid code. Please check the [vocabulary methodsUsed](http://dd.eionet.europa.eu/vocabulary/art17_2018/methodsUsed/). |
|  | SpecReg.5.10 a, b, c Favourable reference rangeThe following checks apply to a, b, c. Should appear at higher level (5.10). Only one error message is expected in this case in order to avoid any duplication. |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckFavourable(except S084, S085 specific to this section) + criteria | If at least one field of ‘Favourable reference range’ is present | Check if only one value is provided in SpecReg.5.10a, b, c ✔Check passed ✘Error in validation: message S082 | S082 | Only one of 5.10a, b or c Favourable reference range should be filled in. | **ERROR** | If an operator is used, there is no need to insert a value. If the value is provided for range in km², no operator should be used. Moreover, the use of ‘x - unknown’ is not compatible with the use of value or operators. |
| If all fields of ‘Favourable reference range’ **not** present | Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S083 | S083 | Mandatory information missing. | **ERROR** | Mandatory information missing. Information on Favourable reference range should be provided (5.10a, b or c). In case the information to be reported in this section is not available use 'x - unknown' in 5.10c, knowing the use of operators should help to reduce the use of ‘unknown’ to a minimum. |
| SpecReg.5.10a Favourable reference range - km² |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Favourable reference range - km²’ is present | 1. Check the data type and Favourable reference range - In km² > 0  ✔Check passed ✘Error in validation: message S0842. If check passed, check if SpecReg.5. 10a ≥ SpecReg.5.1 ✔Check passed ✘Error in validation: message S085 | S084S085 | Incorrect data format.Incoherent information. | **ERROR****WARNING** | Incorrect data format. Numeric field, only decimals > 0 is permitted.Incoherent information provided. The Favourable reference range is smaller than 5.1 Surface area. Check whether this is on purpose. |
| SpecReg.5.10b Favourable reference range - operators |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Favourable reference range - operators’ is present | Check if the reported value is in the vocabulary: favourableOperator and code <> 'lt' ✔Check passed ✘Error in validation: message S086 | S086 | Invalid code.  | **ERROR** | Invalid code. Please check the [vocabulary favourableOperator](http://dd.eionet.europa.eu/vocabulary/art17_2018/favourableOperator/).The value 'lt - less than' is not allowed in this section. |
| SpecReg.5.10c Favourable reference range - unknown |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Favourable reference range - unknown’ is present | Check if the reported value is 'x' ✔Check passed ✘Error in validation: message S087 | S087 | Invalid code. | **BLOCKER** | Invalid code. Only 'x - unknown' is allowed in this section. |
|  | SpecReg.5.10d Favourable reference range - method |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | No check |
|  | SpecReg.5.11\_, a, b, c, d, e Change and reason for change in surface area of range |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | Note: In this section, the user has to select first a main reason (that has to be clearly identified), and then can add up to 3 other reasons listed in the look up table. However, he can also select 'noChange', meaning only one entry is allowed.  |
| CheckChange | If ‘Change and reason for change in surface area of range’ is present | 1. Check if the reported value(s) are in the vocabulary: reasonChange ✔Check passed ✘Error in validation: message S0882. If check passed, check * if one of the reported value = 'noChange',check that there is no reason for change provided (meaning there should not be an additional value)

 ✔Check passed ✘Error in validation: message S089* if all the reported value <> 'noChange' AND value in ( 'genuine', 'knowledge', 'method'), check that either 'genuine' or 'knowledge' or 'method' is indicated as main reason

 ✔Check passed ✘Error in validation: message S090 | S088S089S090 | Invalid code. Incoherent information. Incoherent information. | **BLOCKER****ERROR****ERROR** | Invalid code. Please check the [vocabulary reasonChange](http://dd.eionet.europa.eu/vocabulary/art17_2018/reasonChange/).Incoherent information in this section. If 'noChange' is selected, there is no need to explain the nature of change.Incoherent information in this section. Only one main reason is expected. |
| If ‘Change and reason for change in surface area of range’ **not** present | Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S092 | S092 | Mandatory information missing. | **ERROR** | Mandatory information missing. Indicate if there is any change since the previous reporting period (2007–2012) in the range surface area reported. Report 'noChange' if the answer to the question: ‘Is there a change between reporting periods?’ is 'No'. Provide the nature of that change (more than one option can be chosen) if the answer is 'Yes'. |
|  | SpecReg.5.12 Additional information |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | No check |

### Annex B - 6 Population

|  |  |
| --- | --- |
|  | SpecReg.6.1 Year or Period |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat1 | If ‘Year or Period’ is present | 1. Check if date has valid format: should be like YYYY or YYYY-YYYY. ✔Check passed ✘Error in validation: message S0932. If check passed, and reported period like YYYY-YYYY, check if YYYY1 ≤ YYYY2. ✔Check passed ✘Error in validation: message S094 | S093S094 | Incorrect data format.Incoherent information. | **ERROR****ERROR** | Incorrect data format, it must be YYYY or YYYY-YYYY.Incoherent information provided. Year1 should be ≤ than year2. |
| CheckMandatory1 | If ‘Year or Period’ **not** present  | Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S095 | S095 | Mandatory information missing. | **ERROR** | Mandatory information missing. The year or period should be provided. |
|  | SpecReg.6.2a Population size - Unit |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Population size - Unit’ is present | 1. Check if the reported value is in the vocabulary: populationUnits ✔Check passed ✘Error in validation: message S0962. If check passed, **AND** entry for populationUnits is not null in the checklist, check if the reported value is the same than in the look up checklist (please make sure no error message will be displayed if no unit in the look up checklist) ✔Check passed ✘Error in validation: message S097 | S096S097S031 | Invalid code.Incoherent information. | **BLOCKER** **ERROR** | Invalid code. Please check the [vocabulary populationUnits](http://dd.eionet.europa.eu/vocabulary/art17_2018/populationUnits/).Incoherent information provided. The reported population unit differs with the recommended unit in the checklist on the reference portal. If a Member State wishes to report population size using a different unit this can be reported in field 6.4, but this must bein addition to the reporting unit specified in the checklist and not as an alternative. |
|  |
|  | If ‘Population size - Unit’ **not** present | 1. Check if SpecReg.6.2b **and** SpecReg.6.2c **and** SpecReg.6.2d are empty or = 0 ✔Check passed ✘Error in validation: message S0982. If check passed, check if occurrence <> ('PRE', 'TAX'). ✔Check passed ✘Error in validation: message S099 | S098S099 | Incoherent information.Mandatory information missing. | **ERROR****ERROR** | Incoherent information provided. Population size unit (6.2a) cannot be empty when Population size (6.2b,c,d) is provided.Mandatory information missing. Population size unit should be provided. |
| CheckMandatory1 |
|  | SpecReg.6.2b Population size – Minimum |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat2 | If ‘Population size - Minimum’ is present | Check the data type and value ≥ 0 ✔Check passed ✘Error in validation: message S100 | S100 | Incorrect data format. | **ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
|  | SpecReg.6.2c Population size – Maximum |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat2 | If ‘Population size - Maximum’ is present  | 1. Check the data type and value ≥ 0 ✔Check passed ✘Error in validation: message S1012. If check passed, check if SpecReg.6.2c ≥ SpecReg.6.2b ✔Check passed ✘Error in validation: message S102 | S101S102 | Incorrect data format.6.2c Population size - max should be ≥ min. | **ERROR****ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
| CheckMinMax |
|  | SpecReg.6.2d Population size - Best single value |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat2 | If ‘Population size - Best single value’ is present  | Check the data type and value ≥ 0 ✔Check passed ✘Error in validation: message S103 | S103 | Incorrect data format. | **ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
| CheckMandatory1 + condition | If ‘Population size - Best single value’ **not** present | When SpecReg.6.2b and SpecReg.6.2c **not** presentCheck if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S104 | S104 | Mandatory information missing. | **ERROR** | Mandatory information missing. Population size should be provided as interval (6.2b, c) and/or single value (6.2d).When only a minimum (or maximum) value of population size is known (e.g. through expert opinion) this should be entered in the ‘Best single value’ field and NOT the ‘(b) Minimum’ or ‘(c) Maximum’ fields. |
|  | SpecReg.6.3 Type of estimate |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Short-term trend Method used’ is present | 1. Check if the reported value is in the vocabulary: typeEstimate ✔Check passed ✘Error in validation: message S1052. If check passed, check if a value is present at least in one of these fields (SpecReg.6.2b or SpecReg.6.2c or SpecReg.6.2d) ✔Check passed ✘Error in validation: message S106 | S105S106 | Invalid code.Incoherent information. | **BLOCKER****WARNING** | Invalid code. Please check the [vocabulary typeEstimate](http://dd.eionet.europa.eu/vocabulary/art17_2018/typeEstimate/).The value 'mean - multi-year mean' is allowed in this section.Incoherent information provided. Type of estimate was provided although there is no entry for population size (6.2b,c,d). Check coherence between these two fields.If both interval (6.2b ‘Minimum’ and 6.2c ‘Maximum’) and a single value (6.2d ‘Best single value’) are provided, field 6.3 ‘Type of estimate’ should correspond to the more accurate estimate. This should be noted in 6.17 ‘Additional information’. |
|  |
| CheckMandatory1 | If ‘Type of estimate’ **not** present | Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S107 | S107 | Mandatory information missing. | **ERROR** | Mandatory information missing. The type of estimate for population size should be provided.  |
|  | SpecReg.6.4a Additional population size - Unit |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Additional population size - Unit’ is present | 1. Check if the reported value is in the vocabulary: populationUnits ✔Check passed ✘Error in validation: message S1082. If check passed, **AND** entry for populationUnits is not null in the checklist, check if the reported value is **NOT** the same as in the look up table (please make sure no error message will be displayed if no unit in the look up checklist) ✔Check passed ✘Error in validation: message S032 | S108S032 | Invalid code.Incoherent information.  | **ERROR****WARNING** | Invalid code. Please check the [vocabulary populationUnits](http://dd.eionet.europa.eu/vocabulary/art17_2018/populationUnits/).Incoherent information provided. The reported additional population unit is similar to the recommended unit in the checklist on the reference portal. The reported additional population unit should be converted to the reporting unit in field 6.2. |
|  |
|  | If ‘Additional population size - Unit’ **not** present | Check if SpecReg.6.4b **and** SpecReg.6.4c **and** SpecReg.6.4d are empty or = 0 ✔Check passed ✘Error in validation: message S109 | S109 | Incoherent information. | **ERROR**  | Incoherent information provided. Additional population size unit (6.4a) cannot be empty when Additional population size (6.4b,c,d) is provided. |
|  | SpecReg.6.4b Additional population size - Minimum |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | If ‘Additional population size - Minimum’ is present | Check the data type and value ≥ 0 ✔Check passed ✘Error in validation: message S110 | S110 | Incorrect data format. | **ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
|  | SpecReg.6.4c Additional population size - Maximum |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat2 | If ‘Additional population size - Minimum’ is present | 1. Check the data type and value ≥ 0 ✔Check passed ✘Error in validation: message S1112. If check passed, check if SpecReg.6.4c ≥ SpecReg.6.4b ✔Check passed ✘Error in validation: message S112 | S111S112 | Incorrect data format.6.4c Additional population size - max should be ≥ min. | **ERROR****ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
| CheckMinMax |
|  | SpecReg.6.5 Type of estimate |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Type of estimate’ is present | Check if the reported value is in the vocabulary: typeEstimate ✔Check passed ✘Error in validation: message S113 | S113 | Invalid code.  | **BLOCKER** | Invalid code. Please check the [vocabulary typeEstimate](http://dd.eionet.europa.eu/vocabulary/art17_2018/typeEstimate/).The value 'mean - multi-year mean' is allowed in this section. |
|  | SpecReg.6.6 Population size Method used |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckMethod2 (condition slightly different) | If ‘Population size Method used’ is present | 1. Check if the reported value is in the vocabulary: methodsUsed ✔Check passed ✘Error in validation: message S1142. If check passed, and the reported value is 'AbsentData', check if SpecReg.6.3 **not** present ✔Check passed ✘Error in validation: message S115 | S114S115 | Invalid code. Incoherent information. | **BLOCKER****WARNING** | Invalid code. Please check the [vocabulary methodsUsed](http://dd.eionet.europa.eu/vocabulary/art17_2018/methodsUsed/).Incoherent information provided. 6.3 Type of estimate should be empty when Population size Method used is 'AbsentData - Insufficient or no data available'.When the method is assessed as 'AbsentData - Insufficient or no data available', the type of estimate used for the population size cannot be defined. If you want to report an estimate based on a method using limited data, please select ‘estimateExpert - Based mainly on expert opinion with very limited data’ for the method used. |
|  | Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S116 | S116 | Mandatory information missing. | **ERROR** | Mandatory information missing. The method should be provided. In case the information to be reported in this section is not available use 'AbsentData - Insufficient or no data available'. |
|  | SpecReg.6.7 Short-term trend Period |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat1 | If ‘Short-term trend Period’ is present | 1. Check if date has valid format: should be like YYYY-YYYY. ✔Check passed ✘Error in validation: message S1172. If check passed, check if YYYY1 ≤ YYYY2 ✔Check passed ✘Error in validation: message S118 | S117S118 | Incorrect data format.Incoherent information. | **ERROR****ERROR** | Incorrect data format, it must be YYYY-YYYY.Incoherent information provided. Year1 should be ≤ than year2. |
| CheckMandatory1 | If ‘Short-term trend Period’ **not** present  | Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S119 | S119 | Mandatory information missing. | **ERROR** | Mandatory information missing. The period should be provided. |
|  | SpecReg.6.8 Short-term trend Direction |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Short-term trend Direction’ is present | Check if the reported value is in the vocabulary: trends ✔Check passed ✘Error in validation: message S120 | S120 | Invalid code. | **BLOCKER** | Invalid code. Please check the [vocabulary trends](http://dd.eionet.europa.eu/vocabulary/art17_2018/trends/). |
| CheckMandatory1 | If ‘Short-term trend Direction’ **not** present | Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S121 | S121 | Mandatory information missing. | **ERROR** | Mandatory information missing. Trend should be provided. In case the information to be reported in this section is not available use 'Unk - unknown'. |
|  | SpecReg.6.9a Short-term trend Magnitude - Minimum |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat2 | If ‘Short-term trend Magnitude - Minimum’ is present  | Check the data type and value ≥ 0 ✔Check passed ✘Error in validation: message S122 | S122 | Incorrect data format. | **ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
|  | SpecReg.6.9b Short-term trend Magnitude - Maximum |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat2 | If ‘Short-term trend Magnitude - Maximum’ is present  | 1. Check the data type and value ≥ 0 ✔Check passed ✘Error in validation: message S1232. If check passed, check if SpecReg.6.9b ≥ SpecReg.6.9a ✔Check passed ✘Error in validation: message S124 | S123S124 | Incorrect data format.6.9b Short-term trend Magnitude - max should be ≥ min. | **ERROR****ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
| CheckMinMax |
|  | SpecReg.6.9c Short-term trend Magnitude - Confidence interval |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat2 | If ‘Short-term trend Magnitude - Confidence interval’ is present  | Check the data type ✔Check passed ✘Error in validation: message S125  | S125 | Incorrect data format. | **ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
|  | SpecReg.6.10 Short-term trend Method used |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckMethod2 | If ‘Short-term trend Method used’ is present | 1. Check if the reported value is in the vocabulary: methodsUsed ✔Check passed ✘Error in validation: message S1262. If check passed, and the reported value is 'AbsentData', check if SpecReg.6.8 is in ('U','Unk') ✔Check passed ✘Error in validation: message S127 | S126S127 | Invalid code. Incoherent information. | **BLOCKER****WARNING** | Invalid code. Please check the [vocabulary methodsUsed](http://dd.eionet.europa.eu/vocabulary/art17_2018/methodsUsed/).Inconsistent values provided in fields 6.8 Short-term trend Direction and 6.10 Short-term trend Method used. When the method is assessed as 'AbsentData - Insufficient or no data available', the trend cannot be defined. If you want to report a trend as stable, increasing or decreasing based on a method using limited data, please select ‘estimateExpert - Based mainly on expert opinion with very limited data’ for the method used |
| If ‘Short-term trend Method used’ **not** present | Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S128 | S128 | Mandatory information missing. | **ERROR** | Mandatory information missing. The method should be provided. In case the information to be reported in this section is not available use 'AbsentData - Insufficient or no data available'. |
|  | SpecReg.6.11 Long-term trend Period |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat1 | If ‘Long-term trend Period’ is present | 1. Check if date has valid format: should be like YYYY-YYYY ✔Check passed ✘Error in validation: message S1292. If check passed, check if YYYY1 ≤ YYYY2 ✔Check passed ✘Error in validation: message S130 | S129S130 | Incorrect data format.Incoherent information. | **ERROR****ERROR** | Incorrect data format, it must be YYYY-YYYY.Incoherent information provided. Year1 should be ≤ than year2. |
|  | SpecReg.6.12 Long-term trend Direction |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Long-term trend Direction’ is present | 1. Check if the reported value is in the vocabulary: trends ✔Check passed ✘Error in validation: message S131 | S131 | Invalid code. | **BLOCKER** | Invalid code. Please check the [vocabulary trends](http://dd.eionet.europa.eu/vocabulary/art17_2018/trends/). |
|  | SpecReg.6.13a Long-term trend Magnitude - Minimum |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat2 | If ‘Long-term trend Magnitude - Minimum’ is present  | Check the data type and value ≥ 0 ✔Check passed ✘Error in validation: message S132 | S132 | Incorrect data format. | **ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
|  | SpecReg.6.13b Long-term trend Magnitude - Maximum |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat2 | If ‘Long-term trend Magnitude - Maximum’ is present  | 1. Check the data type and value ≥ 0 ✔Check passed ✘Error in validation: message S1332. If check passed, check if SpecReg.6.13b ≥ SpecReg.6.13a ✔Check passed ✘Error in validation: message S134 | S133S134 | Incorrect data format.6.13b Long-term trend Magnitude - max should be ≥ min. | **ERROR****ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
| CheckMinMax |
|  | SpecReg.6.13c Long-term trend Magnitude - Confidence interval |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat2 | If ‘Long-term trend Magnitude - Confidence interval’ is present  | Check the data type and value ≥ 0 ✔Check passed ✘Error in validation: message S135  | S135 | Incorrect data format. | **ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
|  | SpecReg.6.14 Long-term trend Method used |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Long-term trend Method used’ is present | Check if the reported value is in the vocabulary: methodsUsed ✔Check passed ✘Error in validation: message S136 | S136 | Invalid code. | **BLOCKER** | Invalid code. Please check the [vocabulary methodsUsed](http://dd.eionet.europa.eu/vocabulary/art17_2018/methodsUsed/). |
|  | SpecReg.6.15 a, b, c Favourable reference populationThe following checks apply to a, b, c. Should appear at higher level (6.15). Only one error message is expected in this case in order to avoid any duplication. |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckFavourable(except S139, S140, S141, S142, S143, S548 specific to this section) | If at least one field of ‘Favourable reference population’ is present | Check if only one value is provided in SpecReg.6.15a1, b, c.  ✔Check passed ✘Error in validation: message S137 | S137 | Only one of 6.15a1, b or c Favourable reference population should be filled in. | **ERROR** | If an operator is used, there is no need to insert a value. If the value is provided for population size, no operator should be used. Moreover, the use of ‘x - unknown’ is not compatible with the use of value or operators. |
| If all fields of ‘Favourable reference population’ **not** present | Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S138 | S138 | Mandatory information missing. | **ERROR** | Mandatory information missing. Information on Favourable reference population should be provided (6.15a, b or c).In case the information to be reported in this section is not available use 'x - unknown' in 6.15c, knowing the use of operators should help to reduce the use of ‘unknown’ to a minimum. |
| SpecReg.6.15a1 Favourable reference population - Population size |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Favourable reference population - population size’ is present | 1. Check the data type and Favourable reference population - size > 0  ✔Check passed ✘Error in validation: message S1392. If check passed, when :  - SpecReg.6.15a2 = SpecReg.6.2a, check if SpecReg.6. 15a ≥ SpecReg.6.2c and SpecReg.6. 15a ≥ SpecReg.6.2d ✔Check passed ✘Error in validation: message S140 - SpecReg.6.15a2 = SpecReg.6.4a, check if SpecReg.6. 15a ≥ SpecReg.6.4c and SpecReg.6. 15a ≥ SpecReg.6.4d ✔Check passed ✘Error in validation: message S141 | S139S140S141 | Incorrect data format.Incoherent information.Incoherent information. | **ERROR****WARNING****WARNING** | Incorrect data format. Numeric field, only decimals > 0 is permitted.Incoherent information provided. The Favourable reference population size is smaller than 6.2 the current population size. Check whether this is on purpose.Incoherent information provided. The Favourable reference population size is smaller than 6.4 the current additional population size. Check whether this is on purpose. |
| SpecReg.6.15a2 Favourable reference population - Population size unit |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Favourable reference population - unit’ is present | 1. Check if the reported value is in the vocabulary: populationUnits ✔Check passed ✘Error in validation: message S1422. Check if the reported value = SpecReg.6.4a or = SpecReg.6.2a ✔Check passed ✘Error in validation: message S143 | S142S143 | Invalid code.Incoherent information. | **ERROR****ERROR** | Invalid code. Please check the [vocabulary populationUnits](http://dd.eionet.europa.eu/vocabulary/art17_2018/populationUnits/).Incoherent information provided. The Favourable reference population size unit should correspond to the current recommended or additional population size (SpecReg.6.2a, SpecReg.6.4a). |
| If ‘Favourable reference population - unit’ **not** present | Check if SpecReg.6.15a1 **not** present ✔Check passed ✘Error in validation: message S548 | S548 | Incoherent information. | **ERROR** | Incoherent information provided. The Favourable reference population size unit (6.15a2) cannot be empty when the Favourable reference population size (6.15a1) is provided. |
| SpecReg.6.15b Favourable reference population - operators |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Favourable reference population - operators’ is present | Check if the reported value is in the vocabulary: favourableOperator ✔Check passed ✘Error in validation: message S144 | S144 | Invalid code.  | **BLOCKER** | Invalid code. Please check the [vocabulary favourableOperator](http://dd.eionet.europa.eu/vocabulary/art17_2018/favourableOperator/).The value 'lt - less than' is allowed in this section. |
| SpecReg.6.15c Favourable reference population - unknown |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| If ‘Favourable reference population - unknown’ is present | Check if the reported value is 'x' ✔Check passed ✘Error in validation: message S145 | S145 | Invalid code. | **BLOCKER** | Invalid code. Only 'x - unknown' is allowed in this section. |
|  | SpecReg.6.15d Favourable reference population - method |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | No check |
|  | SpecReg.6.16\_, a, b, c, d, e Change and reason for change in population size |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | Note: In this section, the user has to select first a main reason (that has to be clearly identified), and then can add up to 3 other reasons listed in the look up table. However, he can also select 'noChange', meaning only one entry is allowed.  |
| CheckChange | If ‘Change and reason for change in population size’ is present | 1. Check if the reported value(s) are in the vocabulary: reasonChange ✔Check passed ✘Error in validation: message S1462. If check passed, check * if one of the reported value = 'noChange',check that there is no reason for change provided (meaning there should not be an additional value)

 ✔Check passed ✘Error in validation: message S147* if all the reported value <> 'noChange' AND value in ( 'genuine', 'knowledge', 'method'), check that either 'genuine' or 'knowledge' or 'method' is indicated as main reason

 ✔Check passed ✘Error in validation: message S148 | S146S147S148 | Invalid code.Incoherent information. Incoherent information. | **BLOCKER****ERROR****ERROR** | Invalid code. Please check the [vocabulary reasonChange](http://dd.eionet.europa.eu/vocabulary/art17_2018/reasonChange/).Incoherent information in this section. If 'noChange' is selected, there is no need to explain the nature of change.Incoherent information in this section. Only one main reason is expected. |
| If ‘Change and reason for change in population size’ **not** present | Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S150 | S150 | Mandatory information missing. | **ERROR** | Mandatory information missing. Indicate if there is any change since the previous reporting period (2007–2012) in the population size reported. Report 'noChange' if the answer to the question: ‘Is there a change between reporting periods?’ is 'No'. Provide the nature of that change (more than one option can be chosen) if the answer is 'Yes'. |
|  | SpecReg.6.17 Additional information |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | No check |

### Annex B - 7 Habitat for the species

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|  | SpecReg.7.1a Sufficiency of area and quality of occupied habitat - Are area and quality of occupied habitat sufficient (for long-term survival)? |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘[…] occupied habitat sufficient […]’ is present | Check if the reported value is in the vocabulary: yesNoUnknown. ✔Check passed ✘Error in validation: message S151 | S151 | Invalid code. | **BLOCKER** | Invalid code. Please check the [vocabulary yesNoUnknown](http://dd.eionet.europa.eu/vocabulary/art17_2018/yesNoUnknown/). |
| CheckMandatory1 | If ‘[…] occupied habitat sufficient […]’ **not** present | Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S152 | S152 | Mandatory information missing. | **ERROR** | Mandatory information missing. Information on the sufficiency and quality of occupied habitat area should be provided. |
|  | SpecReg.7.1b Sufficiency of area and quality of occupied habitat - If NO, is there a sufficiently large area of unoccupied habitat of suitable quality (for long-term survival)? |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘[…] occupied habitat sufficient […]’ is present | 1. Check if the reported value is in the vocabulary: yesNoUnknown ✔Check passed ✘Error in validation: message S1532. If check passed, check if SpecReg.7.1a like 'N' ✔Check passed ✘Error in validation: message S154 | S153S154 | Invalid code.Incoherent information. | **BLOCKER****ERROR** | Invalid code. Please check the [vocabulary yesNoUnknown](http://dd.eionet.europa.eu/vocabulary/art17_2018/yesNoUnknown/).Incoherent information in this section. Information on unoccupied habitat area is only expected if the answer to the question: ‘Are area and quality of the occupied habitat sufficient’ is 'N - No'. |
|  |
| CheckMandatory1 + condition | If ‘[…] unoccupied habitat of suitable quality […]’ **not** present | Check if occurrence <> ('PRE', 'TAX') and SpecReg.7.1a <> 'N' ✔Check passed ✘Error in validation: message S155 | S155 | Mandatory information missing. | **ERROR** | Mandatory information missing. Information related to unoccupied habitat area should be provided. |
|  | SpecReg.7.2 Sufficiency of area and quality of occupied habitat Method used |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckMethod1 | If ‘Sufficiency of area and quality of occupied habitat Method used’ is present | Check if the reported value is in the vocabulary: methodsUsed ✔Check passed ✘Error in validation: message S156 | S156 | Invalid code. | **BLOCKER** | Invalid code. Please check the [vocabulary methodsUsed](http://dd.eionet.europa.eu/vocabulary/art17_2018/methodsUsed/). |
| If ‘Sufficiency of area and quality of occupied habitat Method used’ **not** present | Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S157 | S157 | Mandatory information missing. | **ERROR** | Mandatory information missing. The method should be provided. In case the information to be reported in this section is not available use 'AbsentData - Insufficient or no data available'. |
|  | SpecReg.7.3 Short-term trend Period |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat1 | If ‘Short-term trend Period’ is present | 1. Check if date has valid format: should be like YYYY-YYYY. ✔Check passed ✘Error in validation: message S1582. If check passed, check if YYYY1 ≤ YYYY2. ✔Check passed ✘Error in validation: message S159 | S158S159 | Incorrect data format.Incoherent information. | **ERROR****ERROR** | Incorrect data format, it must be YYYY-YYYY.Incoherent information provided. Year1 should be ≤ than year2. |
| CheckMandatory1 | If ‘Short-term trend Period’ **not** present  | Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S160 | S160 | Mandatory information missing. | **ERROR** | Mandatory information missing. The period should be provided. |
|  | SpecReg.7.4 Short-term trend Direction |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Short-term trend Direction’ is present | Check if the reported value is in the vocabulary: trends ✔Check passed ✘Error in validation: message S161 | S161 | Invalid code. | **BLOCKER** | Invalid code. Please check the [vocabulary trends](http://dd.eionet.europa.eu/vocabulary/art17_2018/trends/). |
| CheckMandatory1 | If ‘Short-term trend Direction’ **not** present | Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S162 | S162 | Mandatory information missing. | **ERROR** | Mandatory information missing. Trend should be provided. In case the information to be reported in this section is not available use ‘Unk - unknown’. |
|  | SpecReg.7.5 Short-term trend Method used |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckMethod2 | If ‘Short-term trend Method used’ is present | 1. Check if the reported value is in the vocabulary: methodsUsed ✔Check passed ✘Error in validation: message S1632. If check passed, and the reported value is 'AbsentData', check if SpecReg.7.4 is in ('U','Unk') ✔Check passed ✘Error in validation: message S164 | S163S164 | Invalid code.Incoherent information. | **BLOCKER****WARNING** | Invalid code. Please check the [vocabulary methodsUsed](http://dd.eionet.europa.eu/vocabulary/art17_2018/methodsUsed/).Inconsistent values provided in fields 7.4 Short-term trend Direction and 7.5 Short-term trend Method used. When the method is assessed as 'AbsentData - Insufficient or no data available', the trend cannot be defined. If you want to report a trend as stable, increasing or decreasing based on a method using limited data, please select ‘estimateExpert - Based mainly on expert opinion with very limited data’ for the method used |
| If ‘Short-term trend Method used’ **not** present | Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S165 | S165 | Mandatory information missing. | **ERROR** | Mandatory information missing. The method should be provided. In case the information to be reported in this section is not available use 'AbsentData - Insufficient or no data available'.**-** |
|  | SpecReg.7.6 Long-term trend Period |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat1 | If ‘Long-term trend Period’ is present | 1. Check if date has valid format: should be like YYYY-YYYY. ✔Check passed ✘Error in validation: message S1662. If check passed, check if YYYY1 ≤ YYYY2. ✔Check passed ✘Error in validation: message S167 | S166S167 | Incorrect data format.Incoherent information. | **ERROR****ERROR** | Incorrect data format, it must be YYYY-YYYY.Incoherent information provided. Year1 should be ≤ than year2. |
|  | SpecReg.7.7 Long-term trend Direction |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Long-term trend Direction’ is present | Check if the reported value is in the vocabulary: trends ✔Check passed ✘Error in validation: message S168 | S168 | Invalid code. | **BLOCKER** | Invalid code. Please check the [vocabulary trends](http://dd.eionet.europa.eu/vocabulary/art17_2018/trends/). |
|  | SpecReg.7.8 Long-term trend Method used |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Long-term trend Method used’ is present | Check if the reported value is in the vocabulary: methodsUsed ✔Check passed ✘Error in validation: message S169 | S169 | Invalid code. | **BLOCKER** | Invalid code. Please check the [vocabulary methodsUsed](http://dd.eionet.europa.eu/vocabulary/art17_2018/methodsUsed/). |
|  | SpecReg.7.9 Additional information |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | No check |

# Annex B - 8 Main pressures and threats

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| --- | --- |
|  | SpecReg.8.1a Characterisation of pressures/threats - pressurecode |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable  | If ‘pressurecode’ is present | 1. Check if the reported value is in the vocabulary: threats ✔Check passed ✘Error in validation: message S1702. If check passed, when:* SpecReg.8.1c = 'p', check number of pressure ≤ 10

 ✔Check passed ✘Error in validation: message S171* SpecReg.8.1c = 't', check number of threats ≤ 10

 ✔Check passed ✘Error in validation: message S172* SpecReg.8.1c = 'p' AND SpecReg.8.1b = 'H', check number of high pressures ≤ 5

 ✔Check passed ✘Error in validation: message S173* SpecReg.8.1c = 't' AND SpecReg.8.1b = 'H', check number of high threats ≤ 5

 ✔Check passed ✘Error in validation: message S1744. If check passed, when:* SpecReg.8.1c = 't', check if reported code <> ('Xu', 'Xxp')

 ✔Check passed ✘Error in validation: message S175* SpecReg.8.1c = 't' AND reported value is 'Xt', check that no other code is reported

 ✔Check passed ✘Error in validation: message S176* SpecReg.8.1c = 'p' AND reported value is 'Xp', check that no other code is reported

 ✔Check passed ✘Error in validation: message S177 | S170S171S172S173S174S175S176S177 | Invalid code.More entries than permitted.More entries than permitted.More entries than permitted. More entries than permitted. Incoherent information.Incoherent information.Incoherent information. | **BLOCKER****ERROR****ERROR****ERROR****ERROR****ERROR****WARNING****WARNING** | Invalid code. Please check the [vocabulary threats](http://dd.eionet.europa.eu/vocabulary/art17_2018/threats/).More entries than permitted. Maximum of 10 pressures per biogeographical assessment.More entries than permitted. Maximum of 10 threats per biogeographical assessment.More entries than permitted. Maximum of 5 pressures with 'H - High importance' per biogeographical assessment.More entries than permitted. Maximum of 5 threats with 'H - High importance' per biogeographical assessment.Incoherent information in this section. Code 'Xu - Unknown pressure' or 'Xxp - No pressures ' should be reported as a pressure, not as a threat.Incoherent information in this section. Code 'Xt - No information on threats' used but other threats listed.Incoherent information in this section. Code 'Xp - No information on pressures' used but other pressures listed. |
|  |
|  | If ‘pressurecode’ **not** present | When SpecReg.8.1c **not** presentCheck if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S178When SpecReg.8.1c = 't', check if occurrence <> ('PRE', 'TAX')✔Check passed ✘Error in validation: message S179When SpecReg.8.1c = 'p', check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S180 | S178S179S180 | Mandatory information missing.Mandatory information missing. Mandatory information missing.  | **ERROR****ERROR****ERROR** | Mandatory information missing. The list of pressures and/or threats should be provided. Report 'Xp - No information on pressures' and/or 'Xt - No information on threats' for missing information.Mandatory information missing. The list of threats should be provided. Report 'Xt - No information on threats' for missing information.Mandatory information missing. The list of pressures should be provided. Report 'Xp - No information on pressures' for missing information. |
|  | SpecReg.8.1b Characterisation of pressures/threats - ranking |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘ranking’ is present | 1. Check if the reported value is in the vocabulary: ranking ✔Check passed ✘Error in validation: message S1812. If check passed, check if SpecReg.8.1a is present ✔Check passed ✘Error in validation: message S182 | S181S182 | Invalid code.Incoherent information. | **BLOCKER****ERROR** | Invalid code. Please check the [vocabulary ranking](http://dd.eionet.europa.eu/vocabulary/art17_2018/ranking/).Incoherent information in this section. Ranking is provided although no code indicated for pressure and/or threat. |
|  |
|  | If ‘ranking’ **not** present | Check if SpecReg.8.1a is null or in ('Xp', 'Xt', 'Xu', 'Xxp', 'Xxt') ✔Check passed ✘Error in validation: message S183 | S183 | Mandatory information missing. | **ERROR** | Mandatory information missing. This field cannot be empty unless the reported code is 'Xp', 'Xt', 'Xu', 'Xxp' or 'Xxt'. |
|  | SpecReg.8.1c Characterisation of pressures/threats – pressure type |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | If ‘pressure type’ is present | 1. Check if the reported value is 'p' or 't' ✔Check passed ✘Error in validation: message S1842. If check passed, check if SpecReg.8.1a is present ✔Check passed ✘Error in validation: message S185 | S184S185 | Invalid code.Incoherent information. | **ERROR****ERROR** | Invalid code. Code should be 'p' = pressure or 't' = threat.Incoherent information in this section. Type of pressure/threat is provided although no code indicated for pressure and/or threat. |
|  | If ‘pressure type’ **not** present | Check if SpecReg.8.1a is null ✔Check passed ✘Error in validation: message S186 | S186 | Mandatory information missing. | **ERROR** | The type of pressure or threats should be systematically provided. Code should be 'p' = pressure or 't' = threat. |
|  | SpecReg.8.2 Sources of information |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | No check |
|  | SpecReg.8.3 Additional information |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | No check |

# Annex B - 9 Conservation measures

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|  | SpecReg.9.1a Are measures needed?  |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckYESNO | If ‘Are measures needed? ’ is present | Check if the reported value is 'YES' or 'NO' ✔Check passed ✘Error in validation: message S187 | S187 | Invalid code. | **BLOCKER** | Invalid code. Code should be 'Yes' or 'No' |
|  |
| CheckMandatory2 | If ‘Are measures needed? ’ **not** present | Check if occurrence <> ('PRE', 'TAX') and annexII <> 'Y\*' in the reported checklist ✔Check passed ✘Error in validation: message S188 | S188 | Mandatory information missing. | **ERROR** | Mandatory information missing. Indicate whether measures are needed or not. |
|  | SpecReg.9.1b If yes, indicate the status of measures: |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | If ‘If yes, indicate the status of measures? ’ is present | 1. Check if SpecReg.9.1a like 'YES' ✔Check passed ✘Error in validation: message S1892. If check passed , check if the reported value is in the vocabulary: measuresIdentified ✔Check passed ✘Error in validation: message S190 | S189S190 | Incoherent information.Invalid code. | **ERROR****BLOCKER** | Incoherent information in this section. Status of measures is not expected if no measures are needed.Invalid code. Please check the [vocabulary measuresIdentified](http://dd.eionet.europa.eu/vocabulary/art17_2018/measuresIdentified). |
| CheckLUtable |
| CheckMandatory2 + condition | If ‘If yes, indicate the status of measures? ’ **not** present | When SpecReg.9.1a like 'YES'Check if occurrence <> ('PRE', 'TAX') and annexII <> 'Y\*' in the reported checklist ✔Check passed ✘Error in validation: message S191 | S191 | Mandatory information missing. | **ERROR** | Mandatory information missing. Status of measures should be provided if measures are needed. |
|  | SpecReg.9.2 Main purpose of the measures taken |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | If ‘Main purpose of the measures taken’ is present | Check if SpecReg.9.1b = 'taken' ✔Check passed ✘Error in validation: message S1922. If check passed, check if the reported value is in the vocabulary: measuresPurposeSpecies ✔Check passed ✘Error in validation: message S193 | S192S193 | Incoherent information.Invalid code. | **WARNING****BLOCKER** | Incoherent information in this section. The main purpose of measures taken is not expected if no measures are identified and taken.Invalid code. Please check the [vocabulary measuresPurposeSpecies](http://dd.eionet.europa.eu/vocabulary/art17_2018/measuresPurposeSpecies/). |
| CheckLUtable |
| CheckMandatory2 + condition | If ‘Main purpose of the measures taken’ **not** present | When SpecReg.9.1b = 'taken'Check if occurrence <> ('PRE', 'TAX') and annexII <> 'Y\*' in the reported checklist ✔Check passed ✘Error in validation: message S194 | S194 | Incoherent information. | **ERROR** | Incoherent information in this section. The main purpose of measures taken is expected if measures are identified and taken. |
|  | SpecReg.9.3 Location of the measures |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | If ‘Location of the measures’ is present | Check if SpecReg.9.1b = 'taken' ✔Check passed ✘Error in validation: message S1952. If check passed, check if the reported value is in the vocabulary: measuresLocation ✔Check passed ✘Error in validation: message S196 | S195S196 | Incoherent information.Invalid code. | **WARNING****BLOCKER** | Incoherent information in this section. Location of measures is not expected if no measures are identified and taken.Invalid code. Please check the [vocabulary measuresLocation](http://dd.eionet.europa.eu/vocabulary/art17_2018/measuresLocation/). |
| CheckLUtable |
| CheckMandatory2 + condition | If ‘Location of the measures’ **not** present | When SpecReg.9.1b = 'taken'Check if occurrence <> ('PRE', 'TAX') and annexII <> 'Y\*' in the reported checklist ✔Check passed ✘Error in validation: message S197 | S197 | Incoherent information. | **ERROR** | Incoherent information in this section. The location of the measures is expected if measures are identified and taken |
|  | SpecReg.9.4 Response to the measures |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | If ‘Response to the measures’ is present | 1. Check if SpecReg.9.1a like 'YES' ✔Check passed ✘Error in validation: message S1982. If check passed , check if the reported value is in the vocabulary: measuresResponse ✔Check passed ✘Error in validation: message S199 | S198S199 | Incoherent information.Invalid code. | **WARNING****BLOCKER** | Incoherent information in this section. Time frame of response to measures is not expected if no measures are needed.Invalid code. Please check the [vocabulary measuresResponse](http://dd.eionet.europa.eu/vocabulary/art17_2018/measuresResponse/). |
| CheckLUtable |
| CheckMandatory2 + condition | If ‘Response to the measures’ **not** present | When SpecReg.9.1a like 'YES'Check if occurrence <> ('PRE', 'TAX') and annexII <> 'Y\*' in the reported checklist ✔Check passed ✘Error in validation: message S200 | S200 | Mandatory information missing.  | **ERROR** | Mandatory information missing. The time frame of the response to measures should be provided if measures are needed. |
|  | SpecReg.9.5 List of main conservation measures - measurecode |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable |  | 1. Check if the reported value is in the vocabulary: measures ✔Check passed ✘Error in validation: message S2012. If check passed, check maximum of 10 codes are reported ✔Check passed ✘Error in validation: message S203 | S201S203 | Invalid code. More entries than permitted. | **BLOCKER****ERROR** | Invalid code. Please check the [vocabulary measures](http://dd.eionet.europa.eu/vocabulary/art17_2018/measures/). More entries than permitted. Maximum of 10 measures per biogeographical assessment. |
|  |
| CheckMandatory2 + condition | If ‘measurecode’ **not** present | When SpecReg.9.1a like 'YES'Check if occurrence <> ('PRE', 'TAX') and annexII <> 'Y\*' in the reported checklist ✔Check passed ✘Error in validation: message S204 | S204 | Mandatory information missing. | **ERROR** | Mandatory information missing. The list of measures should be provided if measures are needed.  |
|  | SpecReg.9.6 Additional information |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | No check |

# Annex B - 10 Future prospects

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|  | SpecReg.10.1a Future prospects of parameters - Range |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Future prospects of parameters – Range’ is present | Check if the reported value is in the vocabulary: Prospects ✔Check passed ✘Error in validation: message S205 | S205 | Invalid code. | **BLOCKER** | Invalid code. Please check the [vocabulary Prospects](http://dd.eionet.europa.eu/vocabulary/art17_2018/prospects/) |
| CheckMandatory1 | If ‘Future prospects of parameters – Range’ **not** present | Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S206 | S206 | Mandatory information missing. | **ERROR** | Mandatory information missing. The future prospects of each of the three parameters should be provided. In case the information to be reported in this section is not available use 'unk - unknown'. |
|  | SpecReg.10.1b Future prospects of parameters - Population |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Future prospects of parameters – Population’ is present | Check if the reported value is in the vocabulary: Prospects ✔Check passed ✘Error in validation: message S207 | S207 | Invalid code. | **BLOCKER** | Invalid code. Please check the [vocabulary Prospects](http://dd.eionet.europa.eu/vocabulary/art17_2018/prospects/) |
| CheckMandatory1 | If ‘Future prospects of parameters – Population’ **not** present | Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S208 | S208 | Mandatory information missing. | **ERROR** | Mandatory information missing. The future prospects of each of the three parameters should be provided. In case the information to be reported in this section is not available use 'unk - unknown'. |
|  | SpecReg.10.1c Future prospects of parameters - Structure and functions |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Future prospects of parameters – Habitat of the species’ is present | Check if the reported value is in the vocabulary: Prospects ✔Check passed ✘Error in validation: message S209 | S209 | Invalid code. | **BLOCKER** | Invalid code. Please check the [vocabulary Prospects](http://dd.eionet.europa.eu/vocabulary/art17_2018/prospects/) |
| CheckMandatory1 | If ‘Future prospects of parameters - Habitat of the species’ **not** present | Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S210 | S210 | Mandatory information missing. | **ERROR** | Mandatory information missing. The future prospects of each of the three parameters should be provided. In case the information to be reported in this section is not available use 'unk - unknown'. |
|  | SpecReg.10.2 Future prospects of parameters - Additional information |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | No check |

# Annex B - 11 Conclusions

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|  | SpecReg.11.1 Conclusions - Range |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Conclusions - Range’ is present | 1. Check if the reported value is in the vocabulary: assessments ✔Check passed ✘Error in validation: message S2112. If check passed, check if:* SpecReg.11.1 like 'U2' when SpecReg.5.10b like 'mmt'

 ✔Check passed ✘Error in validation: message S212* SpecReg.11.1 <> 'FV' when SpecReg.5.3 like 'D'

 ✔Check passed ✘Error in validation: message S213 | S211S212S213 | Invalid code.Incoherent information.Incoherent information. | **BLOCKER****ERROR****ERROR** | Invalid code. Please check the [vocabulary assessments](http://dd.eionet.europa.eu/vocabulary/art17_2018/assessments/).Incoherent information in this section. The conclusion for Range should be 'U2 - Unfavourable - Bad' when range surface area is more than 10 % below favourable reference range (reported value in 5.10b is '>> - Much more than').Incoherent information in this section. The conclusion for Range cannot be 'FV - Favourable' when the trend is decreasing (reported value in 5.3 is 'D - Decreasing'). |
|  |
| CheckMandatory1 + condition | If ‘Conclusions - Range’ **not** present | When Spec.1.2 <> (1378, 1409, 1413)Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S214 | S214 | Mandatory information missing. | **ERROR** | Mandatory information missing. The conclusion for Range should be provided. |
|  | SpecReg.11.2 Conclusions - Population |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Conclusions - Range’ is present | 1. Check if the reported value is in the vocabulary: assessments ✔Check passed ✘Error in validation: message S2152. If check passed, check if:* SpecReg.11.2 like 'U2' when SpecReg.6.15b like 'mmt'

 ✔Check passed ✘Error in validation: message S216* SpecReg.11.2 <> 'FV' when SpecReg.6.8 like 'D'

 ✔Check passed ✘Error in validation: message S217 | S215S216S217 | Invalid code.Incoherent information.Incoherent information. | **BLOCKER****ERROR****ERROR** | Invalid code. Please check the [vocabulary assessments](http://dd.eionet.europa.eu/vocabulary/art17_2018/assessments/).Incoherent information in this section. Conclusion for Population should be 'U2 - Unfavourable - Bad' when population size is more than 25 % below favourable reference population (reported value in 6.15b is '>> - Much more than').Incoherent information in this section. The conclusion for Population cannot be 'FV - Favourable' when the trend is decreasing (reported value in 6.8 is 'D - Decreasing'). |
|  |
| CheckMandatory1 + condition | If ‘Conclusions – Population’ **not** present | When Spec.1.2 <> (1378, 1409, 1413)Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S218 | S218 | Mandatory information missing.  | **ERROR** | Mandatory information missing. The conclusion for Population should be provided. |
|  | SpecReg.11.3 Conclusions – Habitat for the species |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Habitat for the species’ is present | Check if the reported value is in the vocabulary: assessments ✔Check passed ✘Error in validation: message S219 | S219 | Invalid code. | **BLOCKER** | Invalid code. Please check the [vocabulary assessments](http://dd.eionet.europa.eu/vocabulary/art17_2018/assessments/). |
| CheckMandatory1 + condition | If ‘Habitat for the species **‘ not** present | When Spec.1.2 <> (1378, 1409, 1413)Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S220 | S220 | Mandatory information missing. | **ERROR** | Mandatory information missing. The conclusion for Habitat for the species should be provided. |
|  | SpecReg.11.4 Conclusions - Future prospects |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Future prospects’ is present | 1. Check if the reported value is in the vocabulary: assessments ✔Check passed ✘Error in validation: message S2212. If check passed, check if:* Additionnal explanations of the rule in Annex1: SpecReg.11.4 like 'FV' when SpecReg.10.1a,b,c like 'good' or (SpecReg.10.1a,b like 'good' and SpecReg.10.1c like 'unk') or (SpecReg.10.1a,c like 'good' and SpecReg.10.1b like 'unk') or (SpecReg.10.1b,c like 'good' and SpecReg.10.1a like 'unk')

 ✔Check passed ✘Error in validation: message S222* Additionnal explanations of the rule in Annex1: SpecReg.11.4 like 'U2' when (SpecReg.10.1a like 'bad' or SpecReg.10.1b like 'bad' or SpecReg.10.1c like 'bad')

 ✔Check passed ✘Error in validation: message S223* Additionnal explanations of the rule in Annex1: SpecReg.11.4 like 'XX' when SpecReg.10.1a,b,c like 'unk' or (SpecReg.10.1a,b like 'unk' and SpecReg.10.1c <> 'bad') or (SpecReg.10.1a,c like 'unk' and SpecReg.10.1b <> 'bad') or (SpecReg.10.1b,c like 'unk' and SpecReg.10.1a <> 'bad')

 ✔Check passed ✘Error in validation: message S224 | S221S222S223S224 | Invalid code.Incoherent information.Incoherent information.Incoherent information. | **BLOCKER****ERROR****ERROR****ERROR** | Invalid code. Please check the [vocabulary assessments](http://dd.eionet.europa.eu/vocabulary/art17_2018/assessments/).Incoherent information in this section. Conclusion for Future prospects should be 'FV - Favourable' if all parameters (10.1a,b,c) have 'good' prospects, or prospects of one parameter is 'unk - unknown' and the other prospects are 'good'.Incoherent information in this section. Conclusion for Future prospects should be 'U2 - Unfavourable - Bad' if one or more parameters (10.1a,b,c) have 'bad' prospects.Incoherent information in this section. Conclusion for Future prospects should be 'XX - Unknown' if two or more parameters (10.1a,b,c) are 'unk - unknown' and no parameter with 'bad' prospects. |
|  |
| CheckMandatory1 + condition | If ‘Future prospects’ **not** present | When Spec.1.2 <> (1378, 1409, 1413)Check if occurrence <> ('PRE', 'TAX')  ✔Check passed ✘Error in validation: message S225 | S225 | Mandatory information missing. | **ERROR** | Mandatory information missing. The conclusion for Future prospects should be provided. |
|  | SpecReg.11.5 Conclusions - Overall assessment of Conservation Status |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Overall assessment of Conservation Status’ is present | 1. Check if the reported value is in the vocabulary: assessments ✔Check passed ✘Error in validation: message S2262. If check passed, check if:* Additionnal explanations of the rule in Annex2: SpecReg.11.5 like 'FV' when (SpecReg.11.1 like 'FV' and SpecReg.11.2 like 'FV' and SpecReg.11.3 like 'FV' and SpecReg.11.4 like 'FV' or (SpecReg.11.1 like 'FV' and SpecReg.11.2 like 'FV' and SpecReg.11.3 like 'FV' and SpecReg.11.4 like 'XX') or (SpecReg.11.1 like 'FV' and SpecReg.11.2 like 'FV' and SpecReg.11.3 like 'XX' and SpecReg.11.4 like 'FV') or (SpecReg.11.1 like 'FV' and SpecReg.11.2 like 'XX' and SpecReg.11.3 like 'FV' and SpecReg.11.4 like 'FV') or (SpecReg.11.1 like 'XX' and SpecReg.11.2 like 'FV' and SpecReg.11.3 like 'FV' and SpecReg.11.4 like 'FV')

 ✔Check passed ✘Error in validation: message S227* Additionnal explanations of the rule in Annex2: SpecReg.11.5 like 'U2' when SpecReg.11.1 like 'U2' or SpecReg.11.2 like 'U2' or SpecReg.11.3 like 'U2' or SpecReg.11.4 like 'U2'

 ✔Check passed ✘Error in validation: message S228* Additionnal explanations of the rule in Annex2: SpecReg.11.5 like 'U1' when ((SpecReg.11.1 like 'U1' or SpecReg.11.2 like 'U1' or SpecReg.11.3 like 'U1' or SpecReg.11.4 like 'U1') and (SpecReg.11.1 <> 'U2' and SpecReg.11.2 <> 'U2' and SpecReg.11.3 <> 'U2' and SpecReg.11.4 <> 'U2'))

 ✔Check passed ✘Error in validation: message S229 | S226S227S228S229 | Invalid code.Incoherent information.Incoherent information.Incoherent information. | **BLOCKER****ERROR****ERROR****ERROR** | Invalid code. Please check the [vocabulary assessments](http://dd.eionet.europa.eu/vocabulary/art17_2018/assessments/).Incoherent information in this section. Overall assessment should be 'FV - Favourable' if all assessments of parameters (11.1 to 11.4) are 'FV - Favourable', or three are 'FV - Favourable' and one is 'XX - Unknown'.Incoherent information in this section. Overall assessment should be 'U2 - Unfavourable - Bad' if at least one assessment of parameters (11.1 to 11.4) is 'U2 - Unfavourable - Bad'.Incoherent information in this section. Overall assessment should be 'U1 - Unfavourable - Inadequate' if at least one assessment of parameters (11.1 to 11.4) is 'U1 - Unfavourable - Inadequate' and none is 'U2 - Unfavourable - Bad'. |
|  |
| CheckMandatory1 + condition | If ‘Overall assessment of Conservation Status’ **not** present | 1. Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S2302. If check passed, check if SpecReg.11.1 and SpecReg.11.2 and SpecReg.11.3 and SpecReg.11.4 **not** present ✔Check passed ✘Error in validation: message S231 | S230S231 | Mandatory information missing. Mandatory information missing.  | **ERROR****ERROR** | Mandatory information missing. Conclusion for Overall assessment of Conservation Status should be provided.Mandatory information missing. Conclusion for Overall assessment of Conservation Status should be provided as other conclusions are provided (11.1 to 11.4). |
|  |
|  | SpecReg.11.6 Conclusions - Overall trend in Conservation Status |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Conclusions - Overall trend’ is present | 1. Check if the reported value is in the vocabulary: trendsConclusion ✔Check passed ✘Error in validation: message S232 | S232 | Invalid code. | **BLOCKER** | Invalid code. Please check the [vocabulary trendsConclusion](http://dd.eionet.europa.eu/vocabulary/art17_2018/trendsConclusion/). |
| CheckMandatory1 | If ‘Conclusions - Overall trend’ **not** present | When Spec.1.2 <> (1378, 1409, 1413)and occurrence <> ('PRE', 'TAX')Check if SpecReg.11.5 = 'XX'  ✔Check passed ✘Error in validation: message S233 | S233 | Mandatory information missing. | **ERROR** | Mandatory information missing. Overall trend in conservation status should be provided when 11.5 Conclusions - Overall assessment of Conservation Status is not 'XX - Unknown'. |
|  | SpecReg.11.7aa, ab, ac, ad, ae, af Overall assessment of conservation status |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | Note: In this section, the user has to select first a main reason (that has to be clearly identified), and then can add up to 3 other reasons listed in the look up table. However, he can also select 'noChange', meaning only one entry is allowed.  |
| CheckChange | If ‘Overall assessment of conservation status’ is present | 1. Check if the reported value(s) are in the vocabulary: reasonChange ✔Check passed ✘Error in validation: message S2342. If check passed, check * if one of the reported value = 'noChange', check that there is no reason for change provided (meaning there should not be an additional value)

 ✔Check passed ✘Error in validation: message S235* if all the reported value <> 'noChange' AND value in ( 'genuine', 'knowledge', 'method'), check that either 'genuine' or 'knowledge' or 'method' is indicated as main reason

 ✔Check passed ✘Error in validation: message S236 | S234S235S236 | Invalid code. Incoherent information. Incoherent information. | **BLOCKER****ERROR****ERROR** | Invalid code. Please check the [vocabulary reasonChange](http://dd.eionet.europa.eu/vocabulary/art17_2018/reasonChange/).Incoherent information in this section. If 'noChange' is selected, there is no need to explain the nature of change.Incoherent information in this section. Only one main reason is expected. |
| If ‘Overall assessment of conservation status’ **not** present | Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S238 | S238 | Mandatory information missing. | **ERROR** | Mandatory information missing. Indicate if there is any change since the previous reporting period (2007–2012) in conservation status. Report 'noChange' if the answer to the question: ‘Is there a change from the previous reporting round?’ is 'No, there is no difference'. Provide the nature of that change (more than one option can be chosen) if the answer is 'Yes'. |
|  | SpecReg.11.7ba, bb, bc, bd, be, bf Overall trend in conservation status |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | Note: In this section, the user has to select first a main reason (that has to be clearly identified), and then can add up to 3 other reasons listed in the look up table. However, he can also select 'noChange', meaning only one entry is allowed.  |
| CheckChange | If ‘Overall trend in conservation status’ is present | 1. Check if the reported value(s) are in the vocabulary: reasonChange ✔Check passed ✘Error in validation: message S2392. If check passed, check * if one of the reported value = 'noChange', check that there is no reason for change provided (meaning there should not be an additional value)

 ✔Check passed ✘Error in validation: message S240* if all the reported value <> 'noChange' AND value in ( 'genuine', 'knowledge', 'method'), check that either 'genuine' or 'knowledge' or 'method' is indicated as main reason

 ✔Check passed ✘Error in validation: message S241 | S239S240S241 | Invalid code. Incoherent information. Incoherent information. | **BLOCKER****ERROR****ERROR** | Invalid code. Please check the [vocabulary reasonChange](http://dd.eionet.europa.eu/vocabulary/art17_2018/reasonChange/).Incoherent information in this section. If 'noChange' is selected, there is no need to explain the nature of change.Incoherent information in this section. Only one main reason is expected. |
| If ‘Overall trend in conservation status’ **not** present | Check if occurrence <> ('PRE', 'TAX') ✔Check passed ✘Error in validation: message S243 | S243 | Mandatory information missing. | **ERROR** | Mandatory information missing. Indicate if there is any change since the previous reporting period (2007–2012) in trend in conservation status. Report 'noChange' if the answer to the question: ‘Is there a change from the previous reporting round?’ is 'No, there is no difference'. Provide the nature of that change (more than one option can be chosen) if the answer is 'Yes'. |
|  | SpecReg.11.8 Additional information |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | No check |

# Annex B - 12 Natura 2000 (pSCIs, SCIs, SACs) coverage for Annex II species

|  |  |
| --- | --- |
|  | SpecReg.12.1a Population size inside the pSCIs, SCIs and SACs network - Population size - Unit |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Population size - Unit’ is present | 1. Check if the reported value is in the vocabulary: populationUnits ✔Check passed ✘Error in validation: message S2442. If check passed, check if : the reported value is the same than in SpecReg.6.2a ✔Check passed ✘Error in validation: message S245 | S244S245 | Invalid code.Incoherent information. | **BLOCKER****ERROR** | Invalid code. Please check the [vocabulary populationUnits](http://dd.eionet.europa.eu/vocabulary/art17_2018/populationUnits/).Incoherent information provided. The reported population size unit within Natura 2000 network differs with the reporting unit used in 6.2.  |
|  |
|  | If ‘Population size - Unit’ **not** present | 1. Check if SpecReg.12.1b **and** SpecReg.12.1c **and** SpecReg.12.1d are empty or = 0 ✔Check passed ✘Error in validation: message S2462. If check passed , check if annexII <> 'Y\*' in the reported checklist and occurrence <> ('PRE', 'TAX')  ✔Check passed ✘Error in validation: message S247 | S246S247 | Incoherent information.Mandatory information missing.  | **ERROR****ERROR** | Incoherent information provided. Population size unit within Natura 2000 network (12.1a) cannot be empty when Population size within within Natura 2000 network (12.1b,c,d) is provided.Mandatory information missing. Population size unit within Natura 2000 network should be provided. |
| CheckMandatory2 |
|  | SpecReg.12.1b Population size inside the pSCIs, SCIs and SACs network - Population size - Minimum |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat2 | If ‘Population size - Minimum’ is present | Check the data type and value ≥ 0 ✔Check passed ✘Error in validation: message S248 | S248 | Incorrect data format. | **ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
|  | SpecReg.12.1c Population size inside the pSCIs, SCIs and SACs network - Population size - Maximum |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat2 | If ‘Population size - Maximum’ is present  | 1. Check the data type and value ≥ 0 ✔Check passed ✘Error in validation: message S2492. If check passed, check if SpecReg.12.1c ≥ SpecReg.12.1b ✔Check passed ✘Error in validation: message S250 | S249S250 | Incorrect data format.12.1c Population size within Natura 2000 network - max should be ≥ min. | **ERROR****ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
| CheckMinMax |
|  | SpecReg.12.1d Population size inside the pSCIs, SCIs and SACs network - Population size - Best single value |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckDATAformat2 | If ‘Population size - Best single value’ is present  | Check the data type and value ≥ 0 ✔Check passed ✘Error in validation: message S251 | S251 | Incorrect data format. | **ERROR** | Incorrect data format. Numeric field, only decimals ≥ 0 are permitted. |
| CheckMandatory2 + condition | If ‘Population size - Best single value’ **not** present | When SpecReg.12.1b and SpecReg.12.1c **not** presentCheck if annexII <> 'Y\*' in the reported checklist and occurrence <> ('PRE', 'TAX')  ✔Check passed ✘Error in validation: message S252 | S252 | Mandatory information missing. | **ERROR** | Mandatory information missing. Population size within Natura 2000 network should be provided as interval (12.1b, c) and/or single value (12.1d) for annex II species.When only a minimum (or maximum) value of population size is known (e.g. through expert opinion) this should be entered in the ‘Best single value’ field and NOT the ‘(b) Minimum’ or ‘(c) Maximum’ fields. |
|  | SpecReg.12.2 Type of estimate |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Type of estimate’ is present | 1. Check if the reported value is in the vocabulary: typeEstimate ✔Check passed ✘Error in validation: message S2532. If check passed, check if a value is present at least in one of these fields (SpecReg.12.1b or SpecReg.12.1c or SpecReg.12.1d) ✔Check passed ✘Error in validation: message S254 | S253S254 | Invalid code.Incoherent information. | **BLOCKER****WARNING** | Invalid code. Please check the [vocabulary typeEstimate](http://dd.eionet.europa.eu/vocabulary/art17_2018/typeEstimate/).The value 'mean - multi-year mean' is allowed in this section.Incoherent information provided. Type of estimate was provided although there is no entry for population size within Natura 2000 network (12.1b,c,d). Check coherence between these two fields.If both interval (12.1b ‘Minimum’ and 12.1c ‘Maximum’) and a single value (12.1d ‘Best single value’) are provided, field 12.2 ‘Type of estimate’ should correspond to the more accurate estimate. This should be noted in 12.6 ‘Additional information’. |
|  |
| CheckMandatory2 | If ‘Type of estimate’ **not** present | Check if annexII <> 'Y\*' in the reported checklist and occurrence <> ('PRE', 'TAX')  ✔Check passed ✘Error in validation: message S255 | S255 | Mandatory information missing.  | **ERROR** | Mandatory information missing. The type of estimate for the population size within Natura 2000 network should be provided.  |
|  | SpecReg.12.3 Population size inside the network Method used |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckMethod2 (condition slightly different) | If ‘Population size inside the network Method used’ is present | 1. Check if the reported value is in the vocabulary: methodsUsed ✔Check passed ✘Error in validation: message S2562. If check passed, and the reported value is 'AbsentData', check if SpecReg.12.2 **not** present ✔Check passed ✘Error in validation: message S257 | S256S257 | Invalid code. Incoherent information. | **BLOCKER****WARNING** | Invalid code. Please check the [vocabulary methodsUsed](http://dd.eionet.europa.eu/vocabulary/art17_2018/methodsUsed/).Incoherent information provided. 12.2 Type of estimate should be empty when Population size inside the network Method used is 'AbsentData - Insufficient or no data available'.When the method is assessed as 'AbsentData - Insufficient or no data available', the type of estimate used for the population size cannot be defined. If you want to report an estimate based on a method using limited data, please select ‘estimateExpert - Based mainly on expert opinion with very limited data’ for the method used. |
| If ‘Population size inside the network Method used’ **not** present | Check if annexII <> 'Y\*' in the reported checklist and occurrence <> ('PRE', 'TAX')  ✔Check passed ✘Error in validation: message S258 | S258 | Mandatory information missing. | **ERROR** | Mandatory information missing. The method should be provided. In case the information to be reported in this section is not available use 'AbsentData - Insufficient or no data available'. |
|  | SpecReg.12.4 Short-term trend of population size within the network Direction |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckLUtable | If ‘Short-term trend Direction’ is present | Check if the reported value is in the vocabulary: trends ✔Check passed ✘Error in validation: message S259 | S259 | Invalid code. | **BLOCKER** | Invalid code. Please check the [vocabulary trends](http://dd.eionet.europa.eu/vocabulary/art17_2018/trends/). |
| CheckMandatory2 | If ‘Short-term trend Direction’ **not** present | Check if annexII <> 'Y\*' in the reported checklist and occurrence <> ('PRE', 'TAX')  ✔Check passed ✘Error in validation: message S260 | S260 | Mandatory information missing.  | **ERROR** | Mandatory information missing. The Trend should be provided. In case the information to be reported in this section is not available use 'Unk - unknown'. |
|  | SpecReg.12.5 Short-term trend of population size within the network Method used |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| CheckMethod2 | If ‘Short-term trend Method used’ is present | 1. Check if the reported value is in the vocabulary: methodsUsed ✔Check passed ✘Error in validation: message S2612. If check passed, and the reported value is 'AbsentData', check if SpecReg.12.4 is in ('U','Unk') ✔Check passed ✘Error in validation: message S262 | S261S262 | Invalid code. Incoherent information. | **BLOCKER****WARNING** | Invalid code. Please check the [vocabulary methodsUsed](http://dd.eionet.europa.eu/vocabulary/art17_2018/methodsUsed/).Inconsistent values provided in fields 12.4 Short-term trend Direction and 12.5 Short-term trend Method used. When the method is assessed as 'AbsentData - Insufficient or no data available', the trend cannot be defined. If you want to report a trend as stable, increasing or decreasing based on a method using limited data, please select ‘estimateExpert - Based mainly on expert opinion with very limited data’ for the method used. |
| If ‘Short-term trend Method used’ **not** present | Check if annexII <> 'Y\*' in the reported checklist and occurrence <> ('PRE', 'TAX')  ✔Check passed ✘Error in validation: message S263 | S263 | Mandatory information missing.  | **ERROR** | Mandatory information missing. The method should be provided. In case the information to be reported in this section is not available use 'AbsentData - Insufficient or no data available'. |
|  | SpecReg.12.6 Additional information |
|  | **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
|  | No check |

**Annex B - 13 Complementary information**

|  |
| --- |
| SpecReg.13.1 Justification of % thresholds for trends |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| No check |
| SpecReg.13.2 Trans-boundary assessment |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| No check |
| SpecReg.13.3 Other relevant information |
| **Rule explanation** | **Error code** | **Error message** | **Error class** | **Description for users** |
| No check |

**Annex 1:** Combining the evaluation of the three parameters to give Future prospects for a species

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SpecReg.10.1a** Future prospects of parameters - Range | **good** |  |  |  |
| **SpecReg.10.1b** Future prospects of parameters - Population |  |  |  | **unknown** |
| **SpecReg.10.1c** Future prospects of parameters - Habitat of the species |  | **poor** |  |  |
| **SpecReg.10.4** Conclusions - Future prospects | **Should be 'FV' when:**All parameters have ‘good’ prospects OR prospects of one parameter ‘unknown’, the other prospects ‘good’ | **Should be 'U1' when:**Other combination | **Should be 'U2' when:**One or more parameters have ‘bad’ prospects | **Should be 'XX' when:**Two or more ‘unknown’ and no parameter with ‘bad’ prospects |

The current example (evaluation of parameters indicated in blue) shows in the matrix, the conclusion for Future Prospects should be 'U1' as 1 parameter is 'good', 1 is 'unknown' and the last one is 'poor'. The rule to be applied is “Should be 'U1' when:Other combination”.

The matrix above can be also explained as follow:

SpecReg.11.4should be **'FV'** when 3 values are reported as ‘Good’, or 2 values are reported as ‘Good’ and 1 as ‘Unknown’ in SpecReg.10.1 a,b,c

Statement: SpecReg.11.4 like ‘FV’ when SpecReg.10.1a,b,c like "good" or (SpecReg.10.1a,b like "good" and SpecReg.10.1c like "unk") or (SpecReg.10.1a,c like "good" and SpecReg.10.1b like "unk") or (SpecReg.10.1b,c like "good" and SpecReg.10.1a like "unk")

SpecReg.11.4should be **'U2'** when at least 1 reported value is ‘Bad’ in SpecReg.10.1a,b,c

Statement: SpecReg.11.4 like ‘U2’ when (SpecReg.10.1a like "bad" or SpecReg.10.1b like "bad" or SpecReg.10.1c like "bad")

SpecReg.11.4should be **'XX'** when all reported values are ‘Unknown’ or 2 reported values are ‘Unknown’ and the last one is **not** ‘Bad’ in SpecReg.10.1a,b,c

Statement: SpecReg.11.4 like ‘XX’ when SpecReg.10.1a,b,c like "unk" or (SpecReg.10.1a,b like "unk" and SpecReg.10.1c <> "bad") or (SpecReg.10.1a,c like "unk" and SpecReg.10.1b <> "bad") or (SpecReg.10.1b,c like "unk" and SpecReg.10.1a <> "bad")

**Annex 2: Rules to assess the overall assessment of conservation status**

The overall conclusion (SpecReg.11.5) results of the assessment of 4 other parameters (SpecReg.11.1 to SpecReg.11.4)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SpecReg.11.1** Conclusions - Range | **FV** |  |  |  |
| **SpecReg.11.2** Conclusions - Population |  | **U1** |  |  |
| **SpecReg.11.3** Conclusions - Habitat for the species |  |  | **U2** |  |
| **SpecReg.11.4** Conclusions - Future prospects | **FV** |  |  |  |
| **SpecReg.11.5** Conclusions - Overall assessment of Conservation Status | **Should be 'FV' when:** All 'FV' OR three 'FV' and one 'XX' | **Should be 'U1' when:** One or more 'U1' but no 'U2'  | **Should be 'U2' when:** One or more 'U2'  | **Should be 'XX' when:** Two or more 'XX' combined with 'FV' OR all 'XX' |

The current example (conclusions indicated in blue) shows in the matrix, the overall assessment should be 'U2' as 2 parameters are 'FV' and 1 is 'U1', but there is 1 parameter assessed as 'U2'. The rule to be applied is “Should be 'U2' when: One or more 'U2'”.

The matrix above can be also explained as follow:

* SpecReg.11.5 should be **'FV'** when the 4 parameters SpecReg.11.1 to SpecReg.11.4 are ‘FV’, or when 3 are ‘FV’ and 1 is ‘XX’.

Statement: SpecReg.11.5 like ‘FV’ when (SpecReg.11.1 like "FV" and SpecReg.11.2 like "FV" and SpecReg.11.3 like "FV" and SpecReg.11.4 like "FV") or (SpecReg.11.1 like "FV" and SpecReg.11.2 like "FV" and SpecReg.11.3 like "FV" and SpecReg.11.4 like "XX") or (SpecReg.11.1 like "FV" and SpecReg.11.2 like "FV" and SpecReg.11.3 like "XX" and SpecReg.11.4 like "FV") or (SpecReg.11.1 like "FV" and SpecReg.11.2 like "XX" and SpecReg.11.3 like "FV" and SpecReg.11.4 like "FV") or (SpecReg.11.1 like "XX" and SpecReg.11.2 like "FV" and SpecReg.11.3 like "FV" and SpecReg.11.4 like "FV")

* SpecReg.11.5 should be **'U2'** when at least 1 of the parameters SpecReg.11.1 to SpecReg.11.4 is ‘U2’

Statement: SpecReg.11.5 like ‘U2’ when SpecReg.11.1 like "U2" or SpecReg.11.2 like "U2" or SpecReg.11.3 like "U2" or SpecReg.11.4 like "U2

* SpecReg.11.5 should be **'U1'** when at least 1 of the parameters SpecReg.11.1 to SpecReg.11.4 is ‘U1’ and none of the others is ‘U2’

**Statement:** SpecReg.11.5 like ‘U1’ when ((SpecReg.11.1 like "U1" or SpecReg.11.2 like "U1" or SpecReg.11.3 like "U1" or SpecReg.11.4 like "U1") and (SpecReg.11.1 <> "U2" and SpecReg.11.2 <> "U2" and SpecReg.11.3 <> "U2" and SpecReg.11.4 <> "U2"))

1. Codes corresponding to *Acipenser gueldenstaedtii, Acipenser nudiventris, Acipenser ruthenus, Acipenser stellatus, Huso huso* [↑](#footnote-ref-1)