

V041



**European
Environment
Agency**

**European Environment Agency
European Topic Centre
Biodiversity and ecosystems**



EUROPEAN COMMISSION

DIRECTORATE-GENERAL
ENVIRONMENT
Directorate C – Zero Pollution

TECHNICAL GUIDANCE DOCUMENT ON REPORTING UNDER THE WATER FRAMEWORK DIRECTIVE 2000/60/EC

Implementation of planned Programme of Measures (2024)

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Document History

Version	Date	Comment
0.1	25/06/2024	First Version Report prepared by Tracasa Global Irene Gordillo
0.2	09/07/2024	Minor changes in qcs and model image Tracasa Global Irene Gordillo
0.3		
0.4		

List of Acronyms

EEA	European Environment Agency
EU	European Union
GIS	Geographic Information System
KTM	Key Type of Measures
PoMs	Programme of Measures
RBD	River Basin District
RBMP	River Basin Management Plan
RBSP	River Basin Specific Pollutants
WFD	Water Framework Directive
WG DIS	Working Group on Data & Information Sharing
WISE	Water Information System for Europe

1. DESCRIPTIVE DATA FOR THE PROGRAMME OF MEASURES REPORTING

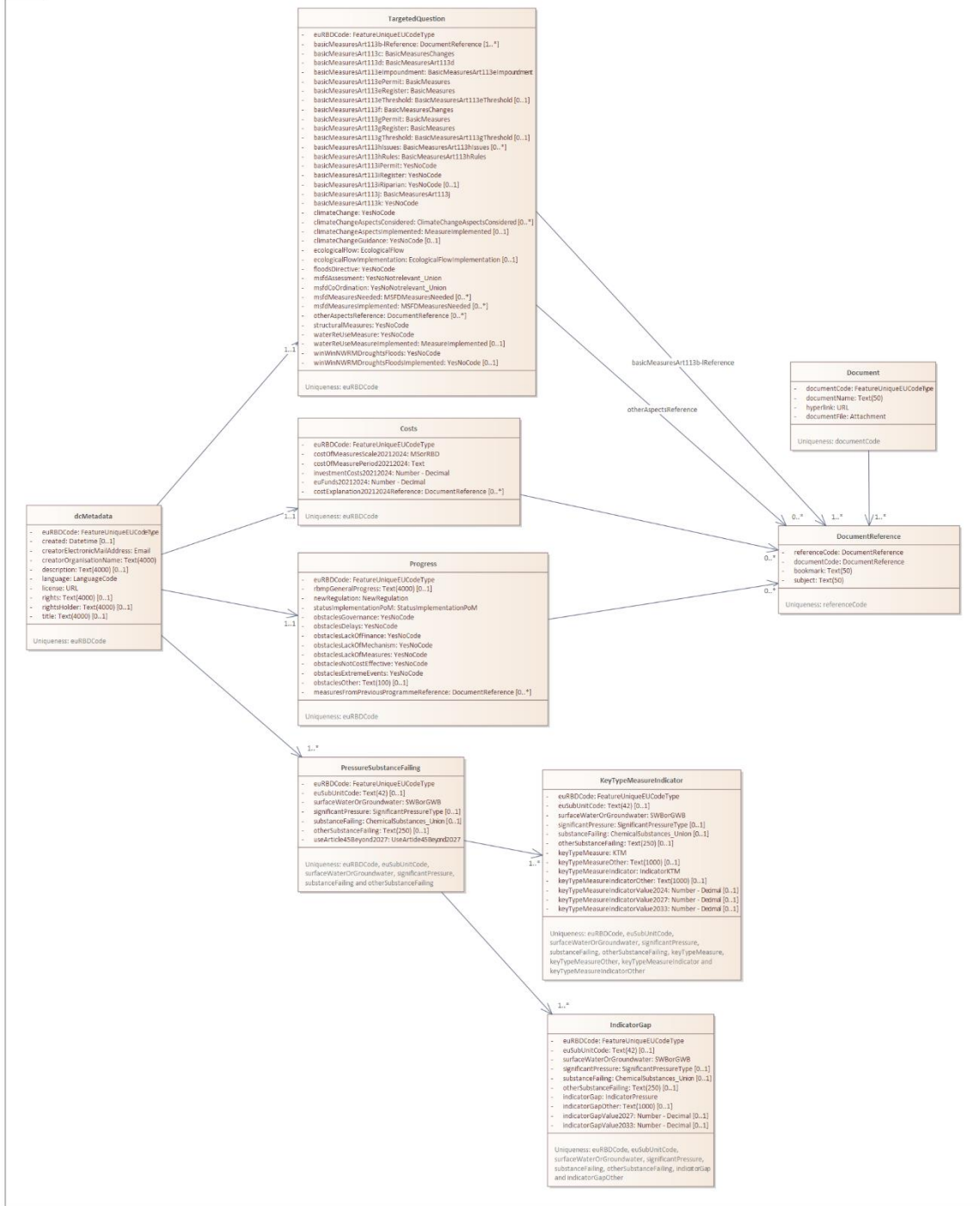
1.1. Introduction

Chapter 2 provides guidance to assist the Member States on reporting the information about progress on implementing the PoMs as required under Article 15(3) WFD.

The content of the descriptive data reporting template is briefly described in Table 1 below.

Table 1: Tables in the descriptive data reporting template.

Table name	Content
dcMetadata	Contact information of the reporting responsible party.
TargetedQuestion	The targeted questions included in this schema refer to Article 11(3)(b-l).
Progress	Information on the progress in the implementation of the programme of measures of the 3 rd planning cycle.
Cost	Information on the cost of Measures.
PressureSubstanceFailing	Information the significant pressure type(s), River Basin Specific Pollutant(s), Priority Substance(s) or groundwater pollutants that are causing failure of surface water good ecological status or potential, failure of good chemical status, or failure of groundwater good quantitative status.
IndicatorGap	For each significant pressure type or chemical substance selected, the quantitative indicators for the pressures / information on the gap that would need to be filled in order to achieve the WFD's Environmental Objectives.
KeyTypeMeasureIndicator	For each significant pressure type or chemical substance selected, the Key Types of Measures chosen to address the reported gap and quantitative indicators of the expected progress during the next management cycle.



1.2. Information on the authority responsible for reporting

Table:	dcMetadata
Cardinality:	1..1
Uniqueness:	euRBDCCode
Quality Check T007:	When a table is marked as mandatory, checks at least one record is added.
Quality Check TU006:	Checks if euRBDCCode is unique within table.
Quality Check RF022:	The dcMetadata table must have one record for every euRBDCCode value in the reference RiverBasinDistrict table.

Field: euRBDCCode

Data type: FeatureUniqueEUCodeType

Cardinality: 1..1

Description: Unique EU code of the River Basin District.

Required (except in the RBDSUCA file). Prefix the RBD's national, unique code with the Member State's twoletter ISO country code. This element can be pre-filled.

Quality Check RF008: Each dcMetadata record must have an euRBDCCode value that matches an euRBDCCode value in the reference RiverBasinDistrict table

Quality Check V119: Checks if the field is missing or empty

Field: created

Data type: Datetime

Cardinality: 0..1

Description: Optional. Date of creation of the dataset.

Quality Check V120: Checks if the field is a valid DATETIME

Field: creatorElectronicMailAddress

Data type: Email

Cardinality: 1..1

Description: Required. Email address of the point of contact in the organisation responsible for the dataset.

Quality Check V121: Checks if the field is missing or empty

Quality Check V122: Checks if the field is a valid EMAIL

Field: creatorOrganisationName

Data type: Text(4000)

Cardinality: 1..1

Description: Required. Organisation responsible for the dataset.

Quality Check V012: The length of the value must be <= 4000

Quality Check V123: Checks if the field is missing or empty

Field: description

Data type: Text(4000)

Cardinality: 0..1

Description: Optional description of the dataset

Quality Check V013: The length of the value must be <= 4000

Field: language

Data type: LanguageCode

Cardinality: 1..1

Description: Required. Code of the language of the file.

Quality Check V124: Checks if the field is missing or empty

Quality Check V125: Checks if the record based on criteria is valid LINK

Field: license

Data type: URL

Cardinality: 1..1

Description: Required. A legal document giving official permission to do something with the resource. Provide the URL to the licence text of a CC BY compatible license. Use a persistent identifier to an English or multilingual version of the licence agreement

Quality Check V126: Checks if the field is missing or empty

Quality Check V127: Checks if the field is a valid URL

Field: rights

Data type: Text(4000)

Cardinality: 0..1

Description: Optional. Information about rights held in and over the resource. If necessary, provide the attribution text required by the licence, or other relevant information.

Quality Check V014: The length of the value must be ≤ 4000

Field: rightsHolder

Data type: Text(4000)

Cardinality: 0..1

Description: Optional. A person or organization owning or managing rights over the resource. This element can be provided if the rights holder reserved rights (e.g. should to be contacted for specific uses), or if the rights holder is not the organisation responsible for the dataset.

Quality Check V015: The length of the value must be ≤ 4000

Field: title

Data type: Text(4000)

Cardinality: 0..1

Description: Name given to the dataset.

Quality Check V016: The length of the value must be ≤ 4000

Cardinality:	1..1
Uniqueness:	documentCode
Quality Check T008:	When a table is marked as mandatory, checks at least one record is added.
Quality Check TU001:	Checks if documentCode is unique within table.
Quality Check R029:	Either hyperlink or documentfile must be reported and cannot be reported at the same time.

Table: Document

Cardinality:

Uniqueness: documentCode

Quality Check:

Quality Check:

Field: documentCode

Data type: FeatureUniqueEUCodeType

Cardinality: 1..1

Description: Required.

Quality Check V023: Checks if the field is missing or empty

Quality Check V176: The value must be a FeatureUniqueEUCode

Field: documentName

Data type: Text(50)

Cardinality: 1..1

Description: Required.

Quality Check V018: The length of the value must be <= 50

Quality Check V024: Checks if the field is missing or empty

Field: hyperlink

Data type: URL

Cardinality: 1..1

Description: Either hyperlink or documentfile must be reported and cannot be reported at the same time.

Quality Check V025: Checks if the field is a valid URL

Field: documentFile

Data type: Attachment

Cardinality: 1..1

Description:Optional.

Table:	DocumentReference
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Cardinality:	1..1
Uniqueness:	referenceCode
Quality Check T009:	When a table is marked as mandatory, checks at least one record is added.
Quality Check TU002:	Checks if referenceCode is unique within table.

Field: referenceCode

Data type: DocumentReference

Cardinality: 1..1

Description: Required.

Quality Check V022: Checks if the field is missing or empty

Quality Check V177: The value must be a FeatureUniqueEUCode

Field: documentCode

Data type: DocumentReference

Cardinality: 1..1

Description: Required.

Quality Check V026: Checks if the field is missing or empty

Quality Check V027: Checks if the record based on criteria is valid LINK

Field: bookmark

Data type: Text(50)

Cardinality: 1..1

Description: Required.

Quality Check V020: The length of the value must be <= 50

Quality Check V028: Checks if the field is missing or empty

Field: subject

Data type: Text(50)

Cardinality: 1..1

Description: Required.

Quality Check V021: The length of the value must be <= 250

Quality Check V029: Checks if the field is missing or empty

Table:	PressureSubstanceFailing
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Cardinality:	1..n
Uniqueness:	euRBDCode, euSubUnitCode, surfaceWaterOrGroundwater, significantPressure, substanceFailing and otherSubstanceFailing
Quality Check T004:	When a table is marked as mandatory, checks at least one record is added.
Quality Check R011:	Either significantPressure or substanceFailing must be reported and cannot be reported at the same time.
Quality Check TU008:	Checks if euRBDCode, euSubUnitCode, surfaceWaterOrGroundwater, significantPressure, substanceFailing and otherSubstanceFailing are uniques within table.
Quality Check RF012:	The PressureSubstanceFailing table must have the records reported in the 3rd RBMPs for each euRBDCode reported in the dcMetadata table.
Quality Check RF024:	The PressureSubstanceFailing table must have the records reported in the KeyTypeMeasureIndicator table.
Quality Check RF025:	The PressureSubstanceFailing table must have the records reported in the IndicatorGap table.
Quality Check RF027:	The combination of the [euRBDCode],[euSubUnitCode],[surfaceWaterOrGroundwater] values must exist in the reference [SubUnit] table.

Field: euRBDCode

Data type: FeatureUniqueEUCodeType

Cardinality: 1..1

Description: Unique EU code of the River Basin District. Required (except in the RBDSUCA file). Prefix the RBD's national, unique code with the Member State's twoletter ISO country code. This element can be pre-filled.

Quality Check V094: Checks if the field is missing or empty

Quality Check V095: Checks if the record based on criteria is valid LINK

Field: euSubUnitCode

Data type: Text(42)

Cardinality: 0..1

Description: Unique EU code of the Sub-unit. Conditional. If applicable, report the unique EU code of the Sub-unit. If there are no sub-units this element does not need to be reported and the reporting of the information is done at RBD level. Subunits are only relevant for surface water. This element can be pre-filled.

Quality Check V173: The value must be a FeatureUniqueEUCode

Field: surfaceWaterOrGroundwater

Data type: SWBorGWB

Cardinality: 1..1

Description: Required. Select from the enumeration list whether measures required to achieve the WFD Environmental Objectives are being reported for surface water or groundwater. This element can be pre-filled.

Quality Check V096: Checks if the field is missing or empty

Quality Check V152: Checks if the record based on criteria is valid LINK

Field: significantPressure

Data type: SignificantPressureType

Cardinality: 0..1

Description: Required. Select from the enumeration list, in turn: each significant pressure type that is, by itself or in combination with other pressures, causing failure of surface water good ecological status or potential, or failure of good chemical status, or failure of groundwater good quantitative status and for which measures are required to reduce the pressure to a level and extent that enables the Environmental Objectives to be met. This element can be pre-filled.

Quality Check V129: Checks if the record based on criteria is valid LINK

Quality Check V175: The options 'No significant pressures' and 'Not applicable' are not valid.

Field: substanceFailing

Data type: ChemicalSubstances_Union

Cardinality: 0..1

Description: Required. Select from the enumeration list, in turn:

- each RBSP that is causing failure of good ecological status or potential
 - each Priority Substance that is causing failure of good chemical status
 - each groundwater pollutant that is causing failure of good chemical status
- and for which measures are required to reduce the pressure to a level and extent that enables the Environmental Objectives to be met.

The option 'EEA_00-00-0 Other chemical parameter' should be selected only if the substance that has to be reported is not included in the enumeration list.

This element can be pre-filled.

Quality Check V130: Checks if the record based on criteria is valid LINK

Field: otherSubstanceFailing

Data type: Text(250)

Cardinality: 0..1

Description: Conditional. If 'SubstanceFailing' is 'EEA_00-00-0 Other parameter' please indicate in this field the CAS number (if relevant) and the name of the pollutant or indicator. This element can be pre-filled.

Quality Check R010: Report if and only if the substanceFailing value is 'EEA_00-00-0 - Other parameter'

Quality Check V004: The length of the value must be <= 250

Quality Check V174: The value for other substance is incorrect

Field: useArticle45Beyond2027

Data type: UseArticle45Beyond2027

Cardinality: 1..1

Description: Required. For each significant pressure type and chemical substance reported, select from the enumeration list the estimated percentage of water bodies for which it is expected that less stringent objectives will be set under WFD Article 4(5), i.e. the percentage of water bodies that are not expected to achieve good status or potential by 2027. If the information is not available, select 'No information'.

Quality Check V097: Checks if the field is missing or empty

Quality Check V153: Checks if the record based on criteria is valid LINK

Table:	KeyTypeMeasureIndicator
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Cardinality:	1..n
Uniqueness:	euRBDCCode, euSubUnitCode, surfaceWaterOrGround water, significantPressure, substanceFailing, otherSubstanceFailing, keyTypeMeasure, keyTypeMeasureOther, keyTypeMeasureIndicator and keyTypeMeasureIndicatorOther
Quality Check T006:	When a table is marked as mandatory, checks at least one record is added.
Quality Check TU009:	Checks if euRBDCCode, euSubUnitCode, surfaceWaterOrGround water, significantPressure, substanceFailing, otherSubstanceFailing, keyTypeMeasure, keyTypeMeasureOther, keyTypeMeasureIndicator and keyTypeMeasureIndicatorOther are uniques within table.
Quality Check RF009:	The KeyTypeMeasureIndicator table must have the records reported in the 3rd RBMPs for each euRBDCCode reported in the dcMetadata table.
Quality Check RF026:	The KeyTypeMeasureIndicator table must have the records reported in the PressureSubstanceFailing table.
Quality Check RF029:	The combination of euRBDCCode, euSubUnitCode, surfaceWaterOrGround water, significantPressure, substanceFailing and otherSubstanceFailing must exist in table PressureSubstanceFailing.

Field: euRBDCCode

Data type: FeatureUniqueEUCodeType

Cardinality: 1..1

Description: Unique EU code of the River Basin District. Required (except in the RBDSUCA file). Prefix the RBD's national, unique code with the Member State's twoletter ISO country code. This element can be pre-filled.

Quality Check V107: Checks if the field is missing or empty

Quality Check V108: Checks if the record based on criteria is valid LINK

Field: euSubUnitCode

Data type: Text(42)

Cardinality: 0..1

Description: Conditional. If applicable, report the unique EU code of the Sub-unit. If there are no sub-units this element does not need to be reported and the reporting of the information is done at RBD level. Subunits are only relevant for surface water. This element can be pre-filled.

Quality Check V168: The value must be a FeatureUniqueEUCode

Field: surfaceWaterOrGround water

Data type: SWBorGWB

Cardinality: 1..1

Description: Required. Select from the enumeration list whether measures required to achieve the WFD Environmental Objectives are being reported for surface water or groundwater. This element can be pre-filled.

Quality Check V109: Checks if the field is missing or empty

Quality Check V155: Checks if the record based on criteria is valid LINK

Field: significantPressure
Data type: SignificantPressureType
Cardinality: 0..1
Description: This element can be pre-filled.
Quality Check V110: Checks if the record based on criteria is valid LINK

Field: substanceFailing
Data type: ChemicalSubstances_Union
Cardinality: 0..1
Description: This element can be pre-filled.
Quality Check V111: Checks if the record based on criteria is valid LINK

Field: otherSubstanceFailing
Data type: Text(250)
Cardinality: 0..1
Description: This element can be pre-filled.
Quality Check V009: The length of the value must be <= 250
Quality Check V172: The value for other substance is incorrect

Field: keyTypeMeasure
Data type: KTM
Cardinality: 1..1
Description: For each significant pressure type or chemical substance selected report the Key Types of Measures chosen to address the reported gap and quantitative indicators of the expected progress during the next management cycle. Required. For the significant pressure type or chemical substance being reported, select from the enumeration list the pre-defined Key Type of Measure (KTM) that will be made operational to reduce it. Select the option 'KTM99 – Other key type measure reported under PoM' only if some of your measures do not fit into any of the pre-defined KTMs included in the enumeration list. This element can be pre-filled.
Quality Check V112: Checks if the field is missing or empty
Quality Check V113: Checks if the record based on criteria is valid LINK

Field: keyTypeMeasureOther
Data type: Text(1000)
Cardinality: 0..1
Description: Conditional. If keyTypeMeasure is 'KTM99 – Other key type measure reported under PoM', report a descriptive name for the additional Key Type of Measure (KTM). More than one 'other' KTM may be reported by repeating the reporting of this class.
Quality Check R009: Report if and only if keyTypeMeasure is 'KTM99 - Other key type measure reported under PoM'. This element can be pre-filled.
Quality Check V010: The length of the value must be <= 1000

Field: keyTypeMeasureIndicator

Data type: IndicatorKTM

Cardinality: 1..1

Description: Quantitative indicators have been proposed for each pressure or chemical substance causing failure and for the relevant KTM. Required. Select from the enumeration list the predefined quantitative indicator that relates to the KTM reported in keyTypeMeasure (or keyTypeMeasureOther). The indicator selected should give an indication of the measures that will need to be made operational to achieve Environmental Objectives.

Select the option 'KO99 – Other indicator' only if the indicator you use is not included in the enumeration list.

Select the option 'NA – Data on KTM indicators not available in the format required' if you cannot report information on quantitative indicators of the expected progress related to this KTM in the form required in this guidance. This element can be pre-filled.

Quality Check V114: Checks if the field is missing or empty

Quality Check V115: Checks if the record based on criteria is valid LINK

Field: keyTypeMeasureIndicatorOther

Data type: Text(1000)

Cardinality: 0..1

Description: Conditional. If keyTypeMeasureIndicator is 'KO99 – Other indicator', report a short name and description of the quantitative indicator related to the KTM being reported. More than one 'Other' indicator may be reported by repeating the reporting of this class. This element can be pre-filled.

Quality Check R005: Report if and only if keyTypeMeasureIndicator value is 'KO99 - Other indicator'.

Quality Check V011: The length of the value must be <= 1000

Field: keyTypeMeasureIndicatorValue2024

Data type: Number - Decimal

Cardinality: 0..1

Description: If data is available, report the expected value in 2024 for the indicator selected in keyTypeMeasureIndicator (or keyTypeMeasureIndicatorOther). Conditional. This value should give a quantitative indication of the scale of the measures still needed to achieve Environmental Objectives.

Quality Check R006: Report if and only if keyTypeMeasureIndicator is not 'NA - Data on KTM indicators not available in the format required'.

Quality Check V116: Checks if the field is a valid NUMBER - DECIMAL

Quality Check V169: >= 0

Field: keyTypeMeasureIndicatorValue2027

Data type: Number - Decimal

Cardinality: 0..1

Description: If data is available, report the expected value in 2027 for the indicator selected in keyTypeMeasureIndicator (or keyTypeMeasureIndicatorOther). Conditional. This value should give a quantitative indication of the scale of the measures still needed to achieve Environmental Objectives.

Quality Check R007: Report if and only if keyTypeMeasureIndicator is not 'NA - Data on KTM indicators not available in the format required'.

Quality Check V117: Checks if the field is a valid NUMBER - DECIMAL

Quality Check V170: >= 0

Field: keyTypeMeasureIndicatorValue2033

Data type: Number - Decimal

Cardinality: 0..1

Description: If data is available, report the expected value in 2033 for the indicator selected in keyTypeMeasureIndicator (or keyTypeMeasureIndicatorOther). Conditional. This value should give a quantitative indication of the scale of the measures still needed to achieve Environmental Objectives.

Quality Check R008: Report if and only if keyTypeMeasureIndicator value is not 'NA - Data on KTM indicators not available in the format required'.

Quality Check V118: Checks if the field is a valid NUMBER - DECIMAL

Quality Check V171: >= 0

Table:	IndicatorGap
Cardinality:	1..n
Uniqueness:	euRBDCCode, euSubUnitCode, surfaceWaterOrGroundwater, significantPressure, substanceFailing, otherSubstanceFailing, indicatorGap and indicatorGapOther
Quality Check T005:	When a table is marked as mandatory, checks at least one record is added.
Quality Check TU007:	Checks if euRBDCCode, euSubUnitCode, surfaceWaterOrGroundwater, significantPressure, substanceFailing, otherSubstanceFailing, indicatorGap and indicatorGapOther are uniques within table.
Quality Check RF011:	The IndicatorGap table must have the records reported in the 3rd RBMPs for each euRBDCCode reported in the dcMetadata table.
Quality Check RF023:	The IndicatorGap table must have the records reported in the PressureSubstanceFailing table.
Quality Check RF028:	The combination of euRBDCCode, euSubUnitCode, surfaceWaterOrGroundwater, significantPressure, substanceFailing and otherSubstanceFailing must exist in table PressureSubstanceFailing.

Field: euRBDCCode

Data type: FeatureUniqueEUCodeType

Cardinality: 1..1

Description: Unique EU code of the River Basin District. Unique EU code of the River Basin District.

Required (except in the RBDSUCA file). Prefix the RBD's national, unique code with the Member State's twoletter ISO country code. This element can be pre-filled.

Quality Check V098: Checks if the field is missing or empty

Quality Check V099: Checks if the record based on criteria is valid LINK

Field: euSubUnitCode

Data type: Text(42)

Cardinality: 0..1

Description: Conditional. If applicable, report the unique EU code of the Sub-unit. If there are no sub-units this element does not need to be reported and the reporting of the information is done at RBD level. Subunits are only relevant for surface water. This element can be pre-filled.

Quality Check V164: The value must be a FeatureUniqueEUCode

Field: surfaceWaterOrGroundwater

Data type: SWBorGWB

Cardinality: 1..1

Description: Required. Select from the enumeration list whether measures required to achieve the WFD Environmental Objectives are being reported for surface water or groundwater. This element can be pre-filled.

Quality Check V100: Checks if the field is missing or empty

Quality Check V154: Checks if the record based on criteria is valid LINK

Field: significantPressure

Data type: SignificantPressureType

Cardinality: 0..1

Description: This element can be pre-filled.

Quality Check V101: Checks if the record based on criteria is valid LINK

Field: substanceFailing

Data type: ChemicalSubstances_Union

Cardinality: 0..1

Description: This element can be pre-filled.

Quality Check V102: Checks if the record based on criteria is valid LINK

Field: otherSubstanceFailing

Data type: Text(250)

Cardinality: 0..1

Description: This element can be pre-filled.

Quality Check V006: The length of the value must be ≤ 250

Quality Check V167: The value for other substance is incorrect

Field: indicatorGap

Data type: IndicatorPressure

Cardinality: 1..1

Description: For each significant pressure type or chemical substance selected report the quantitative indicators for the pressures in terms of the gap that would need to be filled in order to achieve the WFD's Environmental Objectives. Required. For the significant pressure type or chemical substance being reported, select from the enumeration list the pre-defined quantitative indicator that needs to be reduced by measures in order to achieve Environmental Objectives.

Select the option 'PO99 – Other indicator' only if the indicator you use is not included in the enumeration list.

Select the option 'NA – Data on gaps to good status not available in the format required' if you cannot report information on gaps to good status in the form required in this guidance. This element can be pre-filled.

Quality Check V103: Checks if the field is missing or empty

Quality Check V104: Checks if the record based on criteria is valid LINK

Field: indicatorGapOther

Data type: Text(1000)

Cardinality: 0..1

Description: Conditional. If indicatorGap is 'PO99 – Other indicator', report a short name and description of the quantitative indicator that needs to be reduced by measures in order to achieve Environmental Objectives. This is the gap to be filled to meet

objectives. More than one 'other' indicator may be reported by repeating the reporting of this class. This element can be pre-filled.

Quality Check R001: Report if and only if the indicatorGap value is 'PO99 - Other indicator'

Quality Check V007: The length of the value must be ≤ 1000

Field: indicatorGapValue2027

Data type: Number - Decimal

Cardinality: 0..1

Description: Conditional. If data is available, report the expected value of that indicator at 2027 for the indicator selected in indicatorGap (or indicatorGapOther).

This value should give a quantitative indication of the reduction in a pressure type or chemical substance that is needed to achieve Environmental Objectives.

Quality Check R002: Report if and only if indicatorGap is not 'NA - Data on gaps to good status not available in the format required'

Quality Check V105: Checks if the field is a valid NUMBER - DECIMAL

Quality Check V165: ≥ 0

Field: indicatorGapValue2033

Data type: Number - Decimal

Cardinality: 0..1

Description: Conditional. If data is available, report the expected value of that indicator at 2033 for the indicator selected in indicatorGap (or indicatorGapOther).

This value should give a quantitative indication of the reduction in a pressure type or chemical substance that is needed to achieve Environmental Objectives.

Quality Check R003: Report if and only if the indicatorGap value is not 'NA - Data on gaps to good status not available in the format required'

Quality Check V106: Checks if the field is a valid NUMBER - DECIMAL

Quality Check V166: ≥ 0

Table:	TargetedQuestion
Cardinality:	1..1
Uniqueness:	euRBDCCode
Quality Check T001:	When a table is marked as mandatory, checks at least one record is added.
Quality Check TU003:	Checks if euRBDCCode is unique within table.
Quality Check RF019:	The TargetedQuestion table must have one record for every euRBDCCode value in the dcMetadata table.

Field: euRBDCCode

Data type: FeatureUniqueEUCodeType

Cardinality: 1..1

Description: Unique EU code of the River Basin District. Unique EU code of the River Basin District.

Required (except in the RBDSUCA file). Prefix the RBD's national, unique code with the Member State's twoletter ISO country code. This element can be pre-filled.

Quality Check V030: Checks if the field is missing or empty

Quality Check V156: Checks if the record based on criteria is valid LINK

Field: basicMeasuresArt113b-IReference

Data type: FeatureUniqueEUCodeType

Cardinality: 1..n

Description: Required. Provide references or hyperlinks to the relevant document and section where specific information can be found on the application of basic measures (Article 11(3)(b-1)). Guidance on what should be included in this document is provided in Section 10.2.1.2.

Quality Check V031: Checks if the field is missing or empty

Quality Check V032: Checks if the record based on criteria is valid LINK

Field: basicMeasuresArt113c

Data type: BasicMeasuresChanges

Cardinality: 1..1

Description: Required. Indicate whether there are measures promoting efficient and sustainable water use in order to avoid compromising the achievement of the objectives specified in Article 4 (e.g. water metering and allocations) (Article 11(3)(c)).

Quality Check V033: Checks if the field is missing or empty

Quality Check V128: Checks if the record based on criteria is valid LINK

Field: basicMeasuresArt113d

Data type: BasicMeasuresArt113d

Cardinality: 1..1

Description: Required. Indicate whether there are measures to meet the requirements of Article 7, including measures to safeguard water quality in order to reduce the level of purification treatment required for the production of drinking water (Article 11(3)(d)).

Quality Check V034: Checks if the field is missing or empty

Quality Check V131: Checks if the record based on criteria is valid LINK

Field: basicMeasuresArt113eImpoundment
Data type: BasicMeasuresArt113eImpoundment
Cardinality: 1..1
Description: Required. Indicate whether there is a concession, authorisation and/or permitting regime to control water impoundment, and/or a register of impoundments (Article 11(3)(e)).
Quality Check V035: Checks if the field is missing or empty
Quality Check V132: Checks if the record based on criteria is valid LINK

Field: basicMeasuresArt113ePermit
Data type: BasicMeasures
Cardinality: 1..1
Description: Required. Indicate whether there is a concession, authorisation and/or permitting regime to control water abstractions (Article 11(3)(e)).
Quality Check V036: Checks if the field is missing or empty
Quality Check V133: Checks if the record based on criteria is valid LINK

Field: basicMeasuresArt113eRegister
Data type: BasicMeasures
Cardinality: 1..1
Description: Required. Indicate whether there is a register of abstractions (Article 11(3)(e)).
Quality Check V037: Checks if the field is missing or empty
Quality Check V134: Checks if the record based on criteria is valid LINK

Field: basicMeasuresArt113eThreshold
Data type: BasicMeasuresArt113eThreshold
Cardinality: 0..1
Description: Conditional. If there is a concession / authorisation / permitting regime and/or a register, indicate whether there are thresholds below which abstractions do not require permits and are not subject to registration (Article 11(3)(e)).
Quality Check R013: Report if and only if the basicMeasuresArt113ePermit value is 'Yes...' or the basicMeasuresArt113eRegister value is 'Yes...'
Quality Check V135: Checks if the record based on criteria is valid LINK

Field: basicMeasuresArt113f
Data type: BasicMeasuresChanges
Cardinality: 1..1
Description: Required. Indicate whether controls are in place, including a requirement for prior authorisation, of artificial recharge or augmentation of groundwater bodies (Article 11(3)(f)).
Quality Check V038: Checks if the field is missing or empty
Quality Check V136: Checks if the record based on criteria is valid LINK

Field: basicMeasuresArt113gPermit
Data type: BasicMeasures
Cardinality: 1..1
Description: Required. Indicate whether there is an authorisation and/or permitting regime to control waste water point source discharges (Article 11(3)(g)).
Quality Check V039: Checks if the field is missing or empty

Quality Check V137: Checks if the record based on criteria is valid LINK

Field: basicMeasuresArt113gRegister

Data type: BasicMeasures

Cardinality: 1..1

Description: Required. Indicate whether there is a register of waste water point source discharges (Article 11(3)(g)).

Quality Check V040: Checks if the field is missing or empty

Quality Check V138: Checks if the record based on criteria is valid LINK

Field: basicMeasuresArt113gThreshold

Data type: BasicMeasuresArt113gThreshold

Cardinality: 0..1

Description: Conditional. If there is an authorisation / permitting regime and/or a register of waste water point source discharges, indicate whether there are thresholds below which waste water discharges do not require permits and are not subject to registration (Article 11(3)(g)).

Quality Check R014: Report if and only if the basicMeasuresArt113gPermit value is 'Yes...' or the basicMeasuresArt113gRegister value is 'Yes...'

Quality Check V139: Checks if the record based on criteria is valid LINK

Field: basicMeasuresArt113hIssues

Data type: BasicMeasuresArt113hIssues

Cardinality: 0..n

Description: Conditional. If there are general binding rules, report the issues that they cover.

Quality Check R015: Each issue can only be reported once for each RBD

Quality Check R016: Report if and only if the basicMeasuresArt113hRules value is 'Yes...'

Quality Check V140: Checks if the record based on criteria is valid LINK

Field: basicMeasuresArt113hRules

Data type: BasicMeasuresArt113hRules

Cardinality: 1..1

Description: Required. Indicate whether there are general binding rules for the control of diffuse pollution from agriculture.

Quality Check V041: Checks if the field is missing or empty

Quality Check V141: Checks if the record based on criteria is valid LINK

Field: basicMeasuresArt113iPermit

Data type: YesNoCode

Cardinality: 1..1

Description: Required. Indicate whether there is an authorisation and/or permitting regime to control physical modifications to water bodies.

Quality Check V042: Checks if the field is missing or empty

Quality Check V043: Checks if the record based on criteria is valid LINK

Field: basicMeasuresArt113iRegister

Data type: YesNoCode

Cardinality: 1..1

Description: Required. Indicate whether there is a register of physical modifications of water bodies.

Quality Check V044: Checks if the field is missing or empty
Quality Check V045: Checks if the record based on criteria is valid LINK
Field: basicMeasuresArt113iRiparian
Data type: YesNoCode
Cardinality: 0..1
Description: Conditional. If there is an authorisation and/or permitting regime to control physical modifications to the water bodies, indicate whether the regime covers changes to the riparian area of water bodies.
Quality Check R017: Report if and only if the basicMeasuresArt113iPermit value is 'Yes'
Quality Check V046: Checks if the record based on criteria is valid LINK

Field: basicMeasuresArt113j
Data type: BasicMeasuresArt113j
Cardinality: 1..1
Description: Required. Indicate whether there is a prohibition of direct discharges (Article 11(3)(j)).
Quality Check V047: Checks if the field is missing or empty
Quality Check V142: Checks if the record based on criteria is valid LINK

Field: basicMeasuresArt113k
Data type: YesNoCode
Cardinality: 1..1
Description: Required. Indicate whether, in accordance with action taken pursuant to Article 16, there are measures to eliminate pollution of surface waters by Priority Substances and to progressively reduce pollution by other substances which would otherwise prevent Member States from achieving the Environmental Objectives set out in Article 4 (Article 11(3)(k)).
Quality Check V048: Checks if the field is missing or empty
Quality Check V049: Checks if the record based on criteria is valid LINK

Field: climateChange
Data type: YesNoCode
Cardinality: 1..1
Description: Required. Indicate whether projected climate changes have been assessed and taken into account in the third RBMP and PoM.
Quality Check V050: Checks if the field is missing or empty
Quality Check V051: Checks if the record based on criteria is valid LINK

Field: climateChangeAspectsConsidered
Data type: ClimateChangeAspectsConsidered
Cardinality: 0..n
Description: Conditional. If climate change has been taken into account, select from the enumeration list the aspects that have been undertaken or considered in the third RBMP and PoM.
Quality Check R018: Each aspect can only be reported once for each RBD
Quality Check R019: Report if and only if the climateChange value is 'Yes'
Quality Check V143: Checks if the record based on criteria is valid LINK

Field: climateChangeAspectsImplemented

Data type: MeasureImplemented

Cardinality: 0..1

Description: Conditional. If aspects related to climate change have been included in the RBMP as a measure in terms of managing water resources, have the corresponding measures been implemented? If no specific measures were planned, please report 'No measures have started'. Conditional check: Report if climateChange is 'Yes'.

Quality Check V144: Checks if the record based on criteria is valid LINK

Field: climateChangeGuidance

Data type: YesNoCode

Cardinality: 0..1

Description: Conditional. If climate change has been taken into account, indicate whether the CIS Guidance Document No. 24 'River basin in a changing climate' 126 has been used for this purpose.

Quality Check R020: Report if and only if the climateChange value is 'Yes'

Quality Check V052: Checks if the record based on criteria is valid LINK

Field: ecologicalFlow

Data type: EcologicalFlow

Cardinality: 1..1

Description: Required. Indicate whether ecological flows have been derived for all water bodies at risk of failing the Environmental Objectives due to abstractions, flow diversions or impoundments.

Quality Check V053: Checks if the field is missing or empty

Quality Check V145: Checks if the record based on criteria is valid LINK

Field: ecologicalFlowImplementation

Data type: EcologicalFlowImplementation

Cardinality: 0..1

Description: Conditional. If ecological flows have been derived, indicate whether they have been implemented in all relevant water bodies.

Quality Check R021: Report if and only if the ecologicalFlow value is 'Yes...' or 'Partly...'

Quality Check V146: Checks if the record based on criteria is valid LINK

Field: floodsDirective

Data type: YesNoCode

Cardinality: 1..1

Description: Required. The Floods Directive requires the development of the Flood Risk Management Plans to be carried out in co-ordination with the review of the RBMPs. Indicate whether the objectives and requirements of the Floods Directive have been considered in the third RBMP and PoM.

Quality Check V054: Checks if the field is missing or empty

Quality Check V055: Checks if the record based on criteria is valid LINK

Field: msfdAssessment

Data type: YesNoNotrelevant_Union

Cardinality: 1..1

Description: Required. Indicate whether the need for additional measures or more stringent measures beyond those required by the WFD, in order to contribute to the achievement of the relevant MSFD objectives in coastal and marine environments, have been considered in the PoM. Report 'Not relevant' for the French Overseas Territories and for landlocked countries if there was no coordination with the MSFD. Please note, however, that measures taken in a landlocked country may well be relevant for the MSFD (e.g. reduction of nutrients in rivers may have an impact on eutrophication in marine waters). If this possible relevance was considered, you should report 'Yes' or 'No'.

Quality Check V056: Checks if the field is missing or empty

Quality Check V057: Checks if the record based on criteria is valid LINK

Field: msfdCoOrdination

Data type: YesNoNotrelevant_Union

Cardinality: 1..1

Description: Required. Indicate whether the preparations of the RBMP and PoM have been co-ordinated with the implementation of the Marine Strategy Framework Directive. Report 'Not relevant' for the French Overseas Territories and for landlocked countries if there was no coordination with the MSFD. Please note, however, that measures taken in a landlocked country may well be relevant for the MSFD (e.g. reduction of nutrients in rivers may have an impact on eutrophication in marine waters). If this possible relevance was considered, you should report 'Yes' or 'No'.

Quality Check V058: Checks if the field is missing or empty

Quality Check V059: Checks if the record based on criteria is valid LINK

Field: msfdMeasuresNeeded

Data type: MSFDMeasuresNeeded

Cardinality: 0..n

Description: Conditional. If the need for additional measures or more stringent measures beyond those required by the WFD, in order to achieve the relevant MSFD objectives in coastal and marine environments, have been considered in the PoM, select from the enumeration list the additional measures needed to meet the MSFD objectives. 'None' should be selected if the need for additional measures was considered but the conclusion was that no additional measures are needed.

Quality Check R022: Each measure can only be reported once for each RBD

Quality Check R023: Report if and only if the msfdAssessment value is 'Yes'

Quality Check V147: Checks if the record based on criteria is valid LINK

Field: msfdMeasuresImplemented

Data type: MSFDMeasuresNeeded

Cardinality: 0..n

Description: Conditional. If the need for additional measures or more stringent measures beyond those required by the WFD in order to achieve the relevant MSFD objectives in coastal and marine environments have been considered in the PoM, select the additional measures that were implemented. Conditional check: report if msfdMeasuresNeeded is anything except 'None'. Do not report if msfdMeasuresNeeded is 'None'.

Quality Check R028: Each measure can only be reported once for each RBD

Quality Check V160: Checks if the record based on criteria is valid [LINK](#)

Field: otherAspectsReference

Data type: FeatureUniqueEUCodeType

Cardinality: 0..n

Description: Conditional. Provide references or hyperlinks to the documents and sections where

specific information can be found on the other aspects concerned by the targeted questions above. Guidance on what should be included in this document is provided in Section 10.2.1.2. of the WFD 2022 Reporting Guidance.

Quality Check R024: Report if and only if at least one of the following cases apply: waterReUseMeasure is 'Yes' or ecologicalFlow is 'Yes...' or ecologicalFlow is 'Partly...' or climateChange is 'Yes' or floodsDirective is 'Yes' or winWinNWRMDroughtsFloods is 'Yes' or structuralMeasures is 'Yes' or msfdCoOrdination is 'Yes' or msfdAssessment is 'Yes'

Quality Check V060: Checks if the record based on criteria is valid [LINK](#)

Field: structuralMeasures

Data type: YesNoCode

Cardinality: 1..1

Description: Required. Indicate whether the design of new and existing structural measures, such as flood defences, storage dams and tidal barriers, have been adapted to take into account WFD Environmental Objectives.

Quality Check V061: Checks if the field is missing or empty

Quality Check V062: Checks if the record based on criteria is valid [LINK](#)

Field: waterReUseMeasure

Data type: YesNoCode

Cardinality: 1..1

Description: Required. Indicate whether re-use of water has been included in the RBMP as a measure for managing water resources.

Quality Check V063: Checks if the field is missing or empty

Quality Check V064: Checks if the record based on criteria is valid [LINK](#)

Field: waterReUseMeasureImplemented

Data type: MeasureImplemented

Cardinality: 0..1

Description: Conditional. If re-use of water has been included in the RBMP as a measure in terms of managing water resources, has it been implemented? Conditional check: report if waterReUseMeasure is 'Yes', otherwise do not report.

Quality Check R025: Report if and only if the waterReUseMeasure value is 'Yes'

Quality Check R026: Each measure can only be reported once for each RBD

Quality Check V148: Checks if the record based on criteria is valid [LINK](#)

Field: winWinNWRMDroughtsFloods

Data type: YesNoCode

Cardinality: 1..1

Description: Required. Indicate whether specific win-win measures in terms of achieving the objectives of the WFD and Floods Directive, drought management and use of Natural Water Retention Measures (NWRM) have been included in the PoM.

Quality Check V065: Checks if the field is missing or empty

Quality Check V066: Checks if the record based on criteria is valid [LINK](#)

Field: winWinNWRMDroughtsFloodsImplemented

Data type: YesNoCode

Cardinality: 0..1

Description: Conditional. If specific win-win measures in terms of achieving the objectives of the WFD and Floods Directive, drought management and use of Natural Water Retention Measures (NWRM), have been included in the RBMP, have they been implemented? Conditional check: report if winWindNWRMDroughtsFloods is 'Yes', otherwise do not report.

Quality Check R027: Report if and only if the winWinNWRMDroughtsFloods value is 'Yes'

Quality Check V067: Checks if the record based on criteria is valid LINK

Table:	Progress
Cardinality:	1..n
Uniqueness:	euRBDCode
Quality Check T002:	When a table is marked as mandatory, checks at least one record is added.
Quality Check TU005:	Checks if euRBDCode is unique within table.
Quality Check RF021:	The Progress table must have one record for every euRBDCode value in the dcMetadata table.

Field: euRBDCode

Data type: FeatureUniqueEUCodeType

Cardinality: 1..1

Description: Unique EU code of the River Basin District. Required (except in the RBDSUCA file). Prefix the RBD's national, unique code with the Member State's twoletter ISO country code. This element can be pre-filled.

Quality Check V068: Checks if the field is missing or empty

Quality Check V158: Checks if the record based on criteria is valid LINK

Field: rbmpGeneralProgress

Data type: Text(4000)

Cardinality: 0..1

Description: The information to be reported here, will provide an overview of the progress made in implementing measures until the start of the next cycle. Optional. Report a brief description of the progress achieved since the third RBMP, in particular on the reduction of pressures achieved and measures taken.

Quality Check V001: The length of the value must be <= 4000

Field: newRegulation

Data type: NewRegulation

Cardinality: 1..1

Description: Required. Indicate whether new legislation or regulations were required to implement the PoMs of the previous cycle.

Quality Check V069: Checks if the field is missing or empty

Quality Check V150: Checks if the record based on criteria is valid LINK

Field: statusImplementationPoM

Data type: StatusImplementationPoM

Cardinality: 1..1

Description: Required. Select from the enumeration list the description that best fits the level of implementation of the PoMs in the RBD since the third RBMP.

Quality Check V070: Checks if the field is missing or empty

Quality Check V151: Checks if the record based on criteria is valid LINK

Field: obstaclesGovernance

Data type: YesNoCode

Cardinality: 1..1

Description: Required. Have governance issues presented an obstacle to the implementation of the PoMs?

Quality Check V071: Checks if the field is missing or empty

Quality Check V072: Checks if the record based on criteria is valid LINK

Field: obstaclesDelays

Data type: YesNoCode

Cardinality: 1..1

Description: Required. Have unexpected planning delays presented an obstacle to the implementation of the PoMs?

Quality Check V073: Checks if the field is missing or empty

Quality Check V074: Checks if the record based on criteria is valid LINK

Field: obstaclesLackOfFinance

Data type: YesNoCode

Cardinality: 1..1

Description: Required. Has a lack of finance presented an obstacle to the implementation of the PoMs?

Quality Check V075: Checks if the field is missing or empty

Quality Check V076: Checks if the record based on criteria is valid LINK

Field: obstaclesLackOfMechanism

Data type: YesNoCode

Cardinality: 1..1

Description: Required. Has the lack of a mechanism for implementing measures (e.g. national regulations not yet adopted) presented an obstacle to the implementation of the PoMs?

Quality Check V077: Checks if the field is missing or empty

Quality Check V078: Checks if the record based on criteria is valid LINK

Field: obstaclesLackOfMeasures

Data type: YesNoCode

Cardinality: 1..1

Description: Required. Has a lack of effective measures presented an obstacle to the implementation of the PoMs?

Quality Check V079: Checks if the field is missing or empty

Quality Check V080: Checks if the record based on criteria is valid LINK

Field: obstaclesNotCostEffective

Data type: YesNoCode

Cardinality: 1..1

Description: Required. Have some planned measures no longer being considered to be cost effective, therefore presenting an obstacle to the implementation of the PoMs?

Quality Check V081: Checks if the field is missing or empty

Quality Check V082: Checks if the record based on criteria is valid LINK

Field: obstaclesExtremeEvents

Data type: YesNoCode

Cardinality: 1..1

Description: Required. Have any unexpected extreme events presented an obstacle to the implementation of the PoMs?

Quality Check V083: Checks if the field is missing or empty

Quality Check V084: Checks if the record based on criteria is valid LINK

Field: obstaclesOther

Data type: Text(100)

Cardinality: 0..1

Description: Optional. Report if other obstacles were encountered in the implementation of the PoMs. More than one other obstacle may be reported in the same string.

Quality Check V002: The length of the value must be <= 100

Field: measuresFromPreviousProgrammeReference

Data type: FeatureUniqueEUCodeType

Cardinality: 0..n

Description: Required. Provide references or hyperlinks to documents and sections that contain more information on the progress and achievements of the programme of measures from the third planning cycle. Guidance on what should be included in this document is provided in Section 10.5.3.2. of the WFD 2022 Reporting Guidance.

Quality Check V085: Checks if the record based on criteria is valid LINK

Table:	Costs
Cardinality:	1..1
Uniqueness:	euRBDCCode
Quality Check T003:	When a table is marked as mandatory, checks at least one record is added.
Quality Check TU004:	Checks if euRBDCCode is unique within table.
Quality Check RF020:	The Costs table must have one record for every euRBDCCode value in the dcMetadata table

Field: euRBDCCode

Data type: FeatureUniqueEUCodeType

Cardinality: 1..1

Description: Unique EU code of the River Basin District. Unique EU code of the River Basin District.

Required (except in the RBDSUCA file). Prefix the RBD's national, unique code with the Member State's twoletter ISO country code. This element can be pre-filled.

Quality Check V086: Checks if the field is missing or empty

Quality Check V157: Checks if the record based on criteria is valid LINK

Field: costOfMeasuresScale20212024

Data type: MSorRBD

Cardinality: 1..1

Description: Required. Indicate whether the costs reported refer to this specific RBD or for the Member State as a whole.

Quality Check V087: Checks if the field is missing or empty

Quality Check V149: Checks if the record based on criteria is valid LINK

Field: costOfMeasurePeriod20212024

Data type: Text

Cardinality: 1..1

Description: Required. Report the time period (e.g. 2021--2024, etc) to which the reported costs refer. Quality checks: Element check: Period must be reported in the format YYYY--YYYY.

Quality Check V088: Checks if the field is missing or empty

Quality Check V161: The range must be a valid range between 2021 and 2024.

Field: investmentCosts20212024

Data type: Number - Decimal

Cardinality: 1..1

Description: Required. Report the total investment expenditure (in millions of Euros) that were effectively implemented under Articles 11(3), 11(4) and 11(5), during the third planning cycle.

Report -9999 if this information is not available. Expenditure should not be annualised.

Quality Check V089: Checks if the field is missing or empty

Quality Check V090: Checks if the field is a valid NUMBER - DECIMAL

Quality Check V162: The value must be greater or equal to zero or -9999

Field: euFunds20212024

Data type: Number - Decimal

Cardinality: 1..1

Description: Required. Report the total investment expenditure for the Programme of Measures for the first half of the third planning cycle, which were financed by EU funds as an estimated cost or range.

Quality Check V091: Checks if the field is missing or empty

Quality Check V092: Checks if the field is a valid NUMBER - DECIMAL

Quality Check V163: The value must be greater or equal to zero or -9999

Field: costExplanation20212024Reference

Data type: FeatureUniqueEUCodeType

Cardinality: 0..n

Description: Required. Provide a reference or hyperlink to the relevant document and section where specific information can be found on how the costs reported for the third planning cycle have been calculated. This information must be uploaded to WISE or made available on the web. If a hyperlink to information stored on a Member State's server is reported, the Member State must guarantee that the hyperlink will remain stable and active for a period of 6 years after reporting, and that the information referred to will not be revised or updated.

Quality Check V093: Checks if the record based on criteria is valid LINK

ANNEX. CODE LISTS FOR THE DESCRIPTIVE DATA REPORTING

See worksheet 'code lists and code list values' in the Codelist_PoM2024.xlsx and the CodelistEEA_PoM2024.xlsx file.