



EUROPEAN COMMISSION - DG ENVIRONMENT

**TECHNICAL SUPPORT IN RELATION TO THE
IMPLEMENTATION OF THE FLOODS DIRECTIVE
(2007/60/EC)**

**A USER GUIDE TO THE FLOODS REPORTING
SCHEMAS**

Report Ref: V5.0 June 2013

**TECHNICAL SUPPORT IN RELATION TO THE IMPLEMENTATION
OF THE FLOODS DIRECTIVE (2007/60/EC)**

A USER GUIDE TO THE FLOODS REPORTING SCHEMAS

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Document History

Document	Date	Author
V1.0 Release to WG F	19 April 2010	Jon Maidens
V2.0 Release to WG F	11. January 2011	Mette Wolstrup
V3.0 Release to WG F	11. May 2011	Mette Wolstrup
V4.0 Release to WG F	19. April 2013	Mette Wolstrup
V5.0 Release to WG F	02. June 2013	Mette Wolstrup
V6.0 Release to WG F	28. July 2014	Andres Bastholm

CONTENTS

1.	INTRODUCTION	1
1.1	What is in this document	1
2.	FD REPORTING SCHEMAS – GENERAL ISSUES	2
2.1	Background	2
2.2	General issues	2
2.2.1	Stylesheets	2
2.2.2	Namespaces, Schema and Stylesheet Locations	2
2.2.3	Metadata	2
2.2.4	Additional Internet-based information	3
2.2.5	Required Elements	3
2.2.6	Conditional Elements	3
2.2.7	Optional Elements	4
2.2.8	Common Elements	4
3.	THE SCHEMAS	5
3.1	THE COMMON SCHEMA	6
3.2	SCHEMA: ADMINISTRATIVE ARRANGEMENTS (COMPETENT AUTHORITIES AND UNITS OF MANAGEMENT)	24
3.2.1	Competent Authority	27
3.2.2	Unit of Management	31
3.3	SCHEMA: PRELIMINARY FLOOD RISK ASSESSMENT AND IDENTIFICATION OF AREAS OF POTENTIAL SIGNIFICANT FLOOD RISK	35
3.4	SCHEMA: FLOOD HAZARD AND RISK MAPS	109
3.5	SCHEMA: FLOOD RISK MANAGEMENT PLANS	185

1. INTRODUCTION

The purpose of this document is to provide guidance to users on the key issues relating to the schemas for reporting on the Floods Directive.

The reporting requirements for the Floods Directive can be found at the following address in the circa library:

<https://circabc.europa.eu/w/browse/91b38042-9cbd-4bff-b0dc-c406f967154e>

As reporting sheets are agreed upon they are translated into electronic reporting schemas. The purpose of this document is to provide guidance on the filling out of the schemas and issues to be aware of.

This user guidance document will eventually include information relating to all schemas developed to support Floods reporting. This version covers the reporting of administrative arrangements, the preliminary floods risk assessment, designate the areas of potential significant flood risk and the flood hazard and risk map.

1.1 What is in this document

- Section 2 provides an overview of the general issues in the schemas;
- Section 3.1 describes the Common Schema;
- Section 3.2 describes the key elements for reporting on Administrative Arrangements (Competent Authorities, Units of Management);
- Section 3.3 describes the key elements for reporting the Preliminary Flood Risk Assessment and the Areas of Potential Significant Flood Risk (PFRA and APSFR)
- Section 3.4 describes the key elements for reporting the flood hazard and risk maps (FHRM)

2. FD REPORTING SCHEMAS – GENERAL ISSUES

2.1 Background

The development of the Reporting schemas has followed the following accepted principles:

- *That Reporting sheets do not provide all the technical specifications needed to neither develop the data exchange formats nor provide guidance to the data provider.*
- *These technical specifications may lead, where necessary, to adaptations of reporting requirements in order to facilitate the electronic data exchange.*
- *The technical process will also ensure that data which has been already submitted to WISE do not have to be reported again.*
- *The technical specifications will be developed in cooperation with the Member States.*

The schemas were developed in conjunction with CIS Working Group F and its Drafting Group.

2.2 General issues

2.2.1 Stylesheets

Stylesheets, which convert the corresponding XML files to a more readable HTML format, are provided for each schema.

2.2.2 Namespaces, Schema and Stylesheet Locations

The schemas and stylesheets are located at URL:

<http://icm.eionet.europa.eu/schemas/dir200760ec>

<http://icm.eionet.europa.eu/schemas/dir200760ec/resources>

2.2.3 Metadata

As a minimum, the following metadata attributes are required for each XML file.

Attribute Name	Description	Status
CreationDate	Date the file was created	Required
Creator	Name of organisation	Required
Email	Contact email	Optional
Language	Reporting language	Required

Description	Descriptions of the file	Optional
GeneratedBy	Method used to generate the file e.g. Access tool	Optional

It is possible to provide a link to an associated metadata document for each file using the <METADATA> element which is provided at a number of locations throughout the schemas. This allows up to 2000 characters to be specified or alternatively may be used to provide a hyperlink or description of an associated metadata file. This should be used to define any restrictions on the data.

2.2.4 Additional Internet-based information

A <URL> element is also provided at a number of locations throughout the schemas. This allows a hyperlink to be provided to further information in the Member States own Internet-based systems. This could be, for example:

- A link to on-line relevant national methodology reports and statistics;
- A link to a feature/location in a web-based mapping system.

2.2.5 Required Elements

A large number of fields are **required** in order to ensure that the submission can be processed. Note that the term “mandatory” is no longer used in the context of schemas because of possible confusion with “mandatory” in the sense of legal compliance (i.e. failure to supply mandatory information is legally not in compliance with the directive).

In principle, information is required unless it is stated explicitly that information is optional or should be reported “if possible” or if “available”.

2.2.6 Conditional Elements

Other elements are **conditional**, for example <OtherCompetentAuthorities> which allows MS to define any other Competent Authority associated with the RBD/UoM and <InternationalName> which **must** be completed **only** if the answer is **YES** to the question in <International> “Is the RBD part of an international River Basin?” So the general rule is applied: If the answer to Element A is YES, then completion of Element B is required in Conditional Elements.

Conditional elements are not (technically) possible in XML schema. Therefore all these elements have been identified as optional in the schema but with the “Ifthen” conditional clause added to the annotation.

2.2.7 Optional Elements

Other elements are **optional**, for example those elements that allow MS to enter a URL or text strings for further information to aid clarity to an answer, or any information qualified in the Reporting sheets as due to be reported “if possible” or “if available”.

2.2.8 Common Elements

Each schema references a number of **common** elements. As with previous reporting, all common definitions and all enumeration lists are defined in the FDCommon schema. As part of the schema development some new common elements have been established.

3. THE SCHEMAS

The following sections provide the “annotations” or descriptive notes for the schema main elements which are intended to help and guide the person completing the schemas.

3.1 THE COMMON SCHEMA

This schema contains the elements common to all schemas including the enumeration lists.

Schema **FDCCommon.xsd**

Simple types

CARoleCode
CategoryFloods
CharacteristicsofFlooding
CoordinateType
CountryCode
DataConfidentialityClassificationCode
DateTypeYearType
FeatureUniqueCodeType
FeatureUniqueCodeTypeEX
FeatureUniqueEUCodeType
IED
LanguageCode
MapCategories
MeasureAspect
MeasureType
MechanismofFlooding
NumberDecimalBaseType
NumberDecimalType
NumberExceptionType
NumberNonNegativeIntegerType
NumberPercentageBaseType
NumberPercentageType
PriorityCategories
ProtectedAreaType
ScaleType
SourceofFlooding
Status
String10000Type
String10000Type
String1000Type
String100Type
String20000Type
String2000Type
String250Type
String5000Type
String500Type
String50Type
TotalDamageClass
TypeCulturalHeritage
TypeEconomic
TypeEnvironment
TypeHumanHealth
TypeofLink
WFDAssociationType
YesCode
YesNoCode
YesNoNotApplicableCode
YesNoUnknownCode

simpleType **CARoleCode**

type	restriction of xs:string												
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>A</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B</td> <td></td> </tr> <tr> <td>enumeration</td> <td>C</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	A		enumeration	B		enumeration	C	
Kind	Value	annotation											
enumeration	A												
enumeration	B												
enumeration	C												
annotation	<p>documentation</p> <p>The various possible roles/responsibilities of a competent authority might be discharged at different levels in different Member States. Different competent authorities may also be responsible for different tasks in relation to point A below. This could result in a large number of competent authorities in some Member States. To circumvent any difficulties that this situation may cause, it is important that information on roles and responsibilities is clearly reported. For reporting purposes a competent authority will be defined as having one or both of the following core roles:</p> <p>A. Coordination, Preparation and Production of preliminary flood risk assessment, flood maps and flood risk management plans (FRMPs), including international coordination in transboundary Units of management;</p> <p>B. Reporting</p> <p>C.Other (Any other roles not covered under A or B)</p>												

simpleType **CategoryFloods**

type	restriction of xs:string									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>past</td> <td></td> </tr> <tr> <td>enumeration</td> <td>future</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	past		enumeration	future	
Kind	Value	annotation								
enumeration	past									
enumeration	future									
annotation	<p>documentation</p> <p>Can be past flood (past) or potential future flood (future)</p>									

simpleType **CharacteristicsofFlooding**

type	restriction of xs:string																																	
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr><td>enumeration</td><td>A31</td><td></td></tr> <tr><td>enumeration</td><td>A32</td><td></td></tr> <tr><td>enumeration</td><td>A33</td><td></td></tr> <tr><td>enumeration</td><td>A34</td><td></td></tr> <tr><td>enumeration</td><td>A35</td><td></td></tr> <tr><td>enumeration</td><td>A36</td><td></td></tr> <tr><td>enumeration</td><td>A37</td><td></td></tr> <tr><td>enumeration</td><td>A38</td><td></td></tr> <tr><td>enumeration</td><td>A39</td><td></td></tr> <tr><td>enumeration</td><td>A40</td><td></td></tr> </tbody> </table>	Kind	Value	annotation	enumeration	A31		enumeration	A32		enumeration	A33		enumeration	A34		enumeration	A35		enumeration	A36		enumeration	A37		enumeration	A38		enumeration	A39		enumeration	A40	
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enumeration	A40																																	
annotation	<p>documentation</p> <p>Define relevant characteristics of flooding. The list are in line with table A3 from list of flood types from February 2011 (version 6).</p> <p style="text-align: center;">One or more options can be selected.</p> <p>A31=Flash Flood: A flood that rises and falls quite rapidly with little or no advance warning, usually the result of intense rainfall over a relatively small area.</p> <p>A32=Snow Melt Flood: Flooding due to rapid snow melt, possibly in combination with rainfall or blockage due to ice jams.</p> <p>A33=Other rapid onset: A flood which develops quickly, other than a flash flood .</p> <p>A34=Medium onset flood: An onset of flooding, that occurs at a slower rate than a flash flood.</p> <p>A35=Slow onset flood: A flood which takes a longer time to develop.</p>																																	

	<p>A36=Debris Flow: A flood conveying a high degree of debris.</p> <p>A37=High Velocity Flow: A flood where the floodwaters are flowing at a high velocity.</p> <p>A38=Deep Flood: A flood where the floodwaters are of significant depth.</p> <p>A39=Other characteristics, or no special characteristics.</p> <p>A40=No data available on the characteristics of flooding.</p>
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simpleType **CoordinateType**

type	restriction of xs:string
annotation	documentation Format Decimal degrees (-)dd.ddddd

simpleType **CountryCode**

type	restriction of xs:string																																																																																										
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr><td>enumeration</td><td>AT</td><td></td></tr> <tr><td>enumeration</td><td>BE</td><td></td></tr> <tr><td>enumeration</td><td>BG</td><td></td></tr> <tr><td>enumeration</td><td>CH</td><td></td></tr> <tr><td>enumeration</td><td>CZ</td><td></td></tr> <tr><td>enumeration</td><td>CY</td><td></td></tr> <tr><td>enumeration</td><td>DE</td><td></td></tr> <tr><td>enumeration</td><td>DK</td><td></td></tr> <tr><td>enumeration</td><td>EE</td><td></td></tr> <tr><td>enumeration</td><td>EL</td><td></td></tr> <tr><td>enumeration</td><td>ES</td><td></td></tr> <tr><td>enumeration</td><td>FI</td><td></td></tr> <tr><td>enumeration</td><td>FR</td><td></td></tr> <tr><td>enumeration</td><td>HR</td><td></td></tr> <tr><td>enumeration</td><td>HU</td><td></td></tr> <tr><td>enumeration</td><td>IE</td><td></td></tr> <tr><td>enumeration</td><td>IS</td><td></td></tr> <tr><td>enumeration</td><td>IT</td><td></td></tr> <tr><td>enumeration</td><td>LT</td><td></td></tr> <tr><td>enumeration</td><td>LU</td><td></td></tr> <tr><td>enumeration</td><td>LV</td><td></td></tr> <tr><td>enumeration</td><td>MT</td><td></td></tr> <tr><td>enumeration</td><td>NO</td><td></td></tr> <tr><td>enumeration</td><td>NL</td><td></td></tr> <tr><td>enumeration</td><td>PL</td><td></td></tr> <tr><td>enumeration</td><td>PT</td><td></td></tr> <tr><td>enumeration</td><td>RO</td><td></td></tr> <tr><td>enumeration</td><td>SE</td><td></td></tr> <tr><td>enumeration</td><td>SI</td><td></td></tr> </tbody> </table>	Kind	Value	annotation	enumeration	AT		enumeration	BE		enumeration	BG		enumeration	CH		enumeration	CZ		enumeration	CY		enumeration	DE		enumeration	DK		enumeration	EE		enumeration	EL		enumeration	ES		enumeration	FI		enumeration	FR		enumeration	HR		enumeration	HU		enumeration	IE		enumeration	IS		enumeration	IT		enumeration	LT		enumeration	LU		enumeration	LV		enumeration	MT		enumeration	NO		enumeration	NL		enumeration	PL		enumeration	PT		enumeration	RO		enumeration	SE		enumeration	SI	
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	enumeration SK enumeration TR enumeration UK
annotation	documentation Unique 2 character ISO Code for the EU Member States

simpleType DataConfidentialityClassificationCode

type	restriction of xs:string									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>001</td> <td></td> </tr> <tr> <td>enumeration</td> <td>003</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	001		enumeration	003	
Kind	Value	annotation								
enumeration	001									
enumeration	003									
annotation	documentation Codes for data security classification: 001 = Unclassified - available for general circulation and public 003 = Confidential - available for EC reporting only									

simpleType DateTypeYearType

type	union of (xs:date , xs:gYear , xs:gYearMonth , NumberExceptionType)
annotation	documentation Both date type yyyy-mm-dd, yyyy-mm and yyyy allowed and the exception types (-9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable)

simpleType FeatureUniqueCodeType

type	restriction of xs:string
annotation	documentation Type for unique code within the Member State for the feature

simpleType FeatureUniqueCodeTypeEX

type	union of (FeatureUniqueCodeType , NumberExceptionType)
annotation	documentation Type for unique code within the Member State for the feature with options for exceptions. -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable.

simpleType FeatureUniqueEUCodeType

type	restriction of xs:string
annotation	documentation Type for EU code, allows up to 42 characters (unique code within MS prefixed with country ISO 2 character code)

simpleType IED

type	restriction of xs:string																		
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>1</td> <td></td> </tr> <tr> <td>enumeration</td> <td>1.1</td> <td></td> </tr> <tr> <td>enumeration</td> <td>1.2</td> <td></td> </tr> <tr> <td>enumeration</td> <td>1.3</td> <td></td> </tr> <tr> <td>enumeration</td> <td>1.4.a</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	1		enumeration	1.1		enumeration	1.2		enumeration	1.3		enumeration	1.4.a	
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enumeration	1.1																		
enumeration	1.2																		
enumeration	1.3																		
enumeration	1.4.a																		

enumeration	1.4.b
enumeration	2
enumeration	2.1
enumeration	2.2
enumeration	2.3.a
enumeration	2.3.b
enumeration	2.3.c
enumeration	2.4
enumeration	2.5.a
enumeration	2.5.b
enumeration	2.6
enumeration	3
enumeration	3.1.a
enumeration	3.1.b
enumeration	3.1.c
enumeration	3.2
enumeration	3.3
enumeration	3.4
enumeration	3.5
enumeration	4
enumeration	4.1.a
enumeration	4.1.b
enumeration	4.1.c
enumeration	4.1.d
enumeration	4.1.e
enumeration	4.1.f
enumeration	4.1.g
enumeration	4.1.h
enumeration	4.1.i
enumeration	4.1.j
enumeration	4.1.k
enumeration	4.2.a
enumeration	4.2.b
enumeration	4.2.c
enumeration	4.2.d
enumeration	4.2.e
enumeration	4.3
enumeration	4.4
enumeration	4.5
enumeration	4.6
enumeration	5
enumeration	5.1.a
enumeration	5.1.b
enumeration	5.1.c
enumeration	5.1.d
enumeration	5.1.e
enumeration	5.1.f

	<p>enumeration 5.1.g</p> <p>enumeration 5.1.h</p> <p>enumeration 5.1.i</p> <p>enumeration 5.1.j</p> <p>enumeration 5.1.k</p> <p>enumeration 5.2.a</p> <p>enumeration 5.2.b</p> <p>enumeration 5.3.a.i</p> <p>enumeration 5.3.a.ii</p> <p>enumeration 5.3.a.iii</p> <p>enumeration 5.3.a.iv</p> <p>enumeration 5.3.a.v</p> <p>enumeration 5.3.b.i</p> <p>enumeration 5.3.b.ii</p> <p>enumeration 5.3.b.iii</p> <p>enumeration 5.3.b.iv</p> <p>enumeration 5.4</p> <p>enumeration 5.5</p> <p>enumeration 5.6</p> <p>enumeration 6</p> <p>enumeration 6.1.a</p> <p>enumeration 6.1.b</p> <p>enumeration 6.1.c</p> <p>enumeration 6.2</p> <p>enumeration 6.3</p> <p>enumeration 6.4.a</p> <p>enumeration 6.4.b.i</p> <p>enumeration 6.4.b.ii</p> <p>enumeration 6.4.b.iii</p> <p>enumeration 6.4.c</p> <p>enumeration 6.5</p> <p>enumeration 6.6.a</p> <p>enumeration 6.6.b</p> <p>enumeration 6.6.c</p> <p>enumeration 6.7</p> <p>enumeration 6.8</p> <p>enumeration 6.9</p> <p>enumeration 6.10</p> <p>enumeration 6.11</p>
annotation	<p>documentation</p> <p>List of activities from Annex I, DIRECTIVE 2010/75/EC of 24 November 2010 (Date of publishing: 17.12.2010):</p> <p>1. Energy industries</p> <p>1.1. Combustion of fuels in installations with a total rated thermal input of 50 MW or more</p> <p>1.2. Refining of mineral oil and gas</p> <p>1.3. Production of coke</p> <p>1.4. Gasification or liquefaction of:</p> <p>(a) coal;</p> <p>(b) other fuels in installations with a total rated thermal input of 20 MW or more.</p> <p>2. Production and processing of metals</p> <p>2.1. Metal ore (including sulphide ore) roasting or sintering</p> <p>2.2. Production of pig iron or steel (primary or secondary fusion) including continuous casting, with a capacity exceeding 2,5 tonnes per hour</p>

	<p>2.3. Processing of ferrous metals: (a) operation of hot-rolling mills with a capacity exceeding 20 tonnes of crude steel per hour; (b) operation of smitheries with hammers the energy of which exceeds 50 kilojoule per hammer, where the calorific power used exceeds 20 MW; (c) application of protective fused metal coats with an input exceeding 2 tonnes of crude steel per hour.</p> <p>2.4. Operation of ferrous metal foundries with a production capacity exceeding 20 tonnes per day</p> <p>2.5. Processing of non-ferrous metals: (a) production of non-ferrous crude metals from ore, concentrates or secondary raw materials by metallurgical, chemical or electrolytic processes; (b) melting, including the alloyage, of non-ferrous metals, including recovered products and operation of non-ferrous metal foundries, with a melting capacity exceeding 4 tonnes per day for lead and cadmium or 20 tonnes per day for all other metals.</p> <p>2.6. Surface treatment of metals or plastic materials using an electrolytic or chemical process where the volume of the treatment vats exceeds 30 m³</p> <p>3. Mineral industry</p> <p>3.1. Production of cement, lime and magnesium oxide: (a) production of cement clinker in rotary kilns with a production capacity exceeding 500 tonnes per day or in other kilns with a production capacity exceeding 50 tonnes per day; (b) production of lime in kilns with a production capacity exceeding 50 tonnes per day; (c) production of magnesium oxide in kilns with a production capacity exceeding 50 tonnes per day.</p> <p>3.2. Production of asbestos or the manufacture of asbestos-based products</p> <p>3.3. Manufacture of glass including glass fibre with a melting capacity exceeding 20 tonnes per day</p> <p>3.4. Melting mineral substances including the production of mineral fibres with a melting capacity exceeding 20 tonnes per day</p> <p>3.5. Manufacture of ceramic products by firing, in particular roofing tiles, bricks, refractory bricks, tiles, stoneware or porcelain with a production capacity exceeding 75 tonnes per day and/or with a kiln capacity exceeding 4 m³ and with a setting density per kiln exceeding 300 kg/m³</p> <p>4. Chemical industry</p> <p>For the purpose of this section, production within the meaning of the categories of activities contained in this section means the production on an industrial scale by chemical or biological processing of substances or groups of substances listed in points 4.1 to 4.6</p> <p>4.1. Production of organic chemicals, such as: (a) simple hydrocarbons (linear or cyclic, saturated or unsaturated, aliphatic or aromatic); (b) oxygen-containing hydrocarbons such as alcohols, aldehydes, ketones, carboxylic acids, esters and mixtures of esters, acetates, ethers, peroxides and epoxy resins; (c) sulphurous hydrocarbons; (d) nitrogenous hydrocarbons such as amines, amides, nitrous compounds, nitro compounds or nitrate compounds, nitriles, cyanates, isocyanates; (e) phosphorus-containing hydrocarbons; (f) halogenic hydrocarbons; (g) organometallic compounds; (h) plastic materials (polymers, synthetic fibres and cellulose-based fibres); (i) synthetic rubbers; (j) dyes and pigments; (k) surface-active agents and surfactants.</p> <p>4.2. Production of inorganic chemicals, such as: (a) gases, such as ammonia, chlorine or hydrogen chloride, fluorine or hydrogen fluoride, carbon oxides, sulphur compounds, nitrogen oxides, hydrogen, sulphur dioxide, carbonyl chloride; (b) acids, such as chromic acid, hydrofluoric acid, phosphoric acid, nitric acid, hydrochloric acid, sulphuric acid, oleum, sulphurous acids; (c) bases, such as ammonium hydroxide, potassium hydroxide, sodium hydroxide; (d) salts, such as ammonium chloride, potassium chlorate, potassium carbonate, sodium carbonate, perborate, silver nitrate; (e) non-metals, metal oxides or other inorganic compounds such as calcium carbide, silicon, silicon carbide.</p> <p>4.3. Production of phosphorous-, nitrogen- or potassium-based fertilisers (simple or compound fertilisers)</p> <p>4.4. Production of plant protection products or of biocides</p> <p>4.5. Production of pharmaceutical products including intermediates</p> <p>4.6. Production of explosives</p> <p>5. Waste management</p> <p>5.1. Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving one or more of the following activities: (a) biological treatment; (b) physico-chemical treatment; (c) blending or mixing prior to submission to any of the other activities listed in points 5.1 and 5.2; (d) repackaging prior to submission to any of the other activities listed in points 5.1 and 5.2; (e) solvent reclamation/regeneration; (f) recycling/reclamation of inorganic materials other than metals or metal compounds; (g) regeneration of acids or bases; (h) recovery of components used for pollution abatement; (i) recovery of components from catalysts; (j) oil re-refining or other reuses of oil;</p>
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	<p>(k) surface impoundment.</p> <p>5.2. Disposal or recovery of waste in waste incineration plants or in waste co-incineration plants:</p> <p>(a) for non-hazardous waste with a capacity exceeding 3 tonnes per hour;</p> <p>(b) for hazardous waste with a capacity exceeding 10 tonnes per day.</p> <p>5.3. (a) Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving one or more of the following activities, and excluding activities covered by Council Directive 91/271/EEC of 21 May 1991 concerning urban waste-water treatment (OJ L 135, 30.5.1991, p. 40.):</p> <p>(i) biological treatment;</p> <p>(ii) physico-chemical treatment;</p> <p>(iii) pre-treatment of waste for incineration or co-incineration;</p> <p>(iv) treatment of slags and ashes;</p> <p>(v) treatment in shredders of metal waste, including waste electrical and electronic equipment and end-of-life vehicles and their components.</p> <p>(b) Recovery, or a mix of recovery and disposal, of non-hazardous waste with a capacity exceeding 75 tonnes per day involving one or more of the following activities, and excluding activities covered by Directive 91/271/EEC:</p> <p>(i) biological treatment;</p> <p>(ii) pre-treatment of waste for incineration or co-incineration;</p> <p>(iii) treatment of slags and ashes;</p> <p>(iv) treatment in shredders of metal waste, including waste electrical and electronic equipment and end-of-life vehicles and their components.</p> <p>When the only waste treatment activity carried out is anaerobic digestion, the capacity threshold for this activity shall be 100 tonnes per day.</p> <p>5.4. Landfills, as defined in Article 2(g) of Council Directive 1999/31/EC of 26 April 1999 on the landfill of waste (OJ L 182, 16.7.1999, p. 1.), receiving more than 10 tonnes of waste per day or with a total capacity exceeding 25 000 tonnes, excluding landfills of inert waste</p> <p>5.5. Temporary storage of hazardous waste not covered under point 5.4 pending any of the activities listed in points 5.1, 5.2, 5.4 and 5.6 with a total capacity exceeding 50 tonnes, excluding temporary storage, pending collection, on the site where the waste is generated</p> <p>5.6. Underground storage of hazardous waste with a total capacity exceeding 50 tonnes</p> <p>6. Other activities</p> <p>6.1. Production in industrial installations of:</p> <p>(a) pulp from timber or other fibrous materials;</p> <p>(b) paper or card board with a production capacity exceeding 20 tonnes per day;</p> <p>(c) one or more of the following wood-based panels: oriented strand board, particleboard or fibreboard with a production capacity exceeding 600 m³ per day.</p> <p>6.2. Pre-treatment (operations such as washing, bleaching, mercerisation) or dyeing of textile fibres or textiles where the treatment capacity exceeds 10 tonnes per day</p> <p>6.3. Tanning of hides and skins where the treatment capacity exceeds 12 tonnes of finished products per day</p> <p>6.4. (a) Operating slaughterhouses with a carcass production capacity greater than 50 tonnes per day</p> <p>(b) Treatment and processing, other than exclusively packaging, of the following raw materials, whether previously processed or unprocessed, intended for the production of food or feed from:</p> <p>(i) only animal raw materials (other than exclusively milk) with a finished product production capacity greater than 75 tonnes per day;</p> <p>(ii) only vegetable raw materials with a finished product production capacity greater than 300 tonnes per day or 600 tonnes per day where the installation operates for a period of no more than 90 consecutive days in any year;</p> <p>(iii) animal and vegetable raw materials, both in combined and separate products, with a finished product production capacity in tonnes per day greater than:</p> <p>— 75 if A is equal to 10 or more; or,</p> <p>— $[300 - (22,5 \times A)]$ in any other case,</p> <p>where 'A' is the portion of animal material (in percent of weight) of the finished product production capacity. Packaging shall not be included in the final weight of the product.</p> <p>This subsection shall not apply where the raw material is milk only.</p> <p>(c) Treatment and processing of milk only, the quantity of milk received being greater than 200 tonnes per day (average value on an annual basis).</p> <p>6.5. Disposal or recycling of animal carcasses or animal waste with a treatment capacity exceeding 10 tonnes per day</p> <p>6.6. Intensive rearing of poultry or pigs:</p> <p>(a) with more than 40 000 places for poultry;</p> <p>(b) with more than 2 000 places for production pigs (over 30 kg), or</p> <p>(c) with more than 750 places for sows.</p> <p>6.7. Surface treatment of substances, objects or products using organic solvents, in particular for dressing, printing, coating, degreasing, waterproofing, sizing, painting, cleaning or impregnating, with an organic solvent consumption capacity of more than 150 kg per hour or more than 200 tonnes per year</p> <p>6.8. Production of carbon (hard-burnt coal) or electrographite by means of incineration or graphitisation</p> <p>6.9. Capture of CO₂ streams from installations covered by this Directive for the purposes of geological storage pursuant to Directive 2009/31/EC</p> <p>6.10. Preservation of wood and wood products with chemicals with a production capacity exceeding 75 m³ per day other than exclusively treating against sapstain</p> <p>6.11. Independently operated treatment of waste water not covered by Directive 91/271/EEC and discharged by an installation covered by Chapter II</p>
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simpleType **LanguageCode**

type	restriction of xs:string																																																																																							
facets	<table border="1"> <thead> <tr> <th data-bbox="331 360 459 383">Kind</th> <th data-bbox="459 360 555 383">Value</th> <th data-bbox="555 360 671 383">annotation</th> </tr> </thead> <tbody> <tr><td>enumeration</td><td>bg</td><td></td></tr> <tr><td>enumeration</td><td>es</td><td></td></tr> <tr><td>enumeration</td><td>cs</td><td></td></tr> <tr><td>enumeration</td><td>da</td><td></td></tr> <tr><td>enumeration</td><td>de</td><td></td></tr> <tr><td>enumeration</td><td>et</td><td></td></tr> <tr><td>enumeration</td><td>el</td><td></td></tr> <tr><td>enumeration</td><td>en</td><td></td></tr> <tr><td>enumeration</td><td>fr</td><td></td></tr> <tr><td>enumeration</td><td>ga</td><td></td></tr> <tr><td>enumeration</td><td>hr</td><td></td></tr> <tr><td>enumeration</td><td>ic</td><td></td></tr> <tr><td>enumeration</td><td>it</td><td></td></tr> <tr><td>enumeration</td><td>lv</td><td></td></tr> <tr><td>enumeration</td><td>lt</td><td></td></tr> <tr><td>enumeration</td><td>hu</td><td></td></tr> <tr><td>enumeration</td><td>mt</td><td></td></tr> <tr><td>enumeration</td><td>nl</td><td></td></tr> <tr><td>enumeration</td><td>no</td><td></td></tr> <tr><td>enumeration</td><td>pl</td><td></td></tr> <tr><td>enumeration</td><td>pt</td><td></td></tr> <tr><td>enumeration</td><td>ro</td><td></td></tr> <tr><td>enumeration</td><td>sk</td><td></td></tr> <tr><td>enumeration</td><td>sl</td><td></td></tr> <tr><td>enumeration</td><td>sr</td><td></td></tr> <tr><td>enumeration</td><td>tr</td><td></td></tr> <tr><td>enumeration</td><td>fi</td><td></td></tr> <tr><td>enumeration</td><td>sv</td><td></td></tr> </tbody> </table>	Kind	Value	annotation	enumeration	bg		enumeration	es		enumeration	cs		enumeration	da		enumeration	de		enumeration	et		enumeration	el		enumeration	en		enumeration	fr		enumeration	ga		enumeration	hr		enumeration	ic		enumeration	it		enumeration	lv		enumeration	lt		enumeration	hu		enumeration	mt		enumeration	nl		enumeration	no		enumeration	pl		enumeration	pt		enumeration	ro		enumeration	sk		enumeration	sl		enumeration	sr		enumeration	tr		enumeration	fi		enumeration	sv	
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	no=Norwegian pl=Polish pt=Portuguese ro=Romanian sk=Slovak sl=Slovenian sr=Serbian tr=Tyrkish fi=Finnish sv=Swedish
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simpleType MapCategories

type	restriction of xs:string		
facets	Kind	Value	annotation
	enumeration	LowProbabilityHazard	
	enumeration	MediumProbabilityHazard	
	enumeration	HighProbabilityHazard	
	enumeration	LowProbabilityRisk	
	enumeration	MediumProbabilityRisk	
	enumeration	HighProbabilityRisk	
	enumeration	Other	

simpleType MeasureAspect

type	restriction of xs:string		
facets	Kind	Value	annotation
	enumeration	Aggregated	
	enumeration	Individual	

simpleType MeasureType

type	restriction of xs:string		
facets	Kind	Value	annotation
	enumeration	M11	
	enumeration	M21	
	enumeration	M22	
	enumeration	M23	
	enumeration	M24	
	enumeration	M31	
	enumeration	M32	
	enumeration	M33	
	enumeration	M34	
	enumeration	M35	
	enumeration	M41	
	enumeration	M42	
	enumeration	M43	
	enumeration	M44	
	enumeration	M51	
	enumeration	M52	

	enumeration M53 enumeration M61
annotation	documentation M11=No Action, No measure is proposed to reduce the flood risk in the APSFR or other defined area , M21=Prevention, Avoidance, Measure to prevent the location of new or additional receptors in flood prone areas, such as land use planning policies or regulation M22=Prevention, Removal or relocation, Measure to remove receptors from flood prone areas, or to relocate receptors to areas of lower probability of flooding and/or of lower hazard M23=Prevention, Reduction, Measure to adapt receptors to reduce the adverse consequences in the event of a flood actions on buildings, public networks, etc... M24=Prevention, Other prevention, Other measure to enhance flood risk prevention (may include, flood risk modelling and assessment, flood vulnerability assessment, maintenance programmes or policies etc...) M31=Protection Natural flood management / runoff and catchment management, Measures to reduce the flow into natural or artificial drainage systems, such as overland flow interceptors and / or storage, enhancement of infiltration, etc and including in-channel , floodplain works and the reforestation of banks, that restore natural systems to help slow flow and store water. M32=Protection, Water flow regulation, Measures involving physical interventions to regulate flows, such as the construction, modification or removal of water retaining structures (e.g., dams or other on-line storage areas or development of existing flow regulation rules), and which have a significant impact on the hydrological regime. M33=Protection, Channel, Coastal and Floodplain Works, Measures involving physical interventions in freshwater channels, mountain streams, estuaries, coastal waters and flood-prone areas of land, such as the construction, modification or removal of structures or the alteration of channels, sediment dynamics management, dykes, etc. M34=Protection, Surface Water Management, Measures involving physical interventions to reduce surface water flooding, typically, but not exclusively, in an urban environment, such as enhancing artificial drainage capacities or though sustainable drainage systems (SuDS). M35=Protection, Other Protection, Other measure to enhance protection against flooding, which may include flood defence asset maintenance programmes or policies M41=Preparedness, Flood Forecasting and Warning, Measure to establish or enhance a flood forecasting or warning system M42=Preparedness, Emergency Event Response Planning / Contingency planning, Measure to establish or enhance flood event institutional emergency response planning M43=Preparedness, Public Awareness and Preparedness, Measure to establish or enhance the public awareness or preparedness for flood events M44=Preparedness, Other preparedness, Other measure to establish or enhance preparedness for flood events to reduce adverse consequences M51=Recovery and Review (Planning for the recovery and review phase is in principle part of preparedness), Individual and societal recovery, Clean-up and restoration activities (buildings, infrastructure, etc) Health and mental health supporting actions, incl. managing stress Disaster financial assistance (grants, tax), incl. disaster legal assistance, disaster unemployment assistance Temporary or permanent relocation Other M52=Recovery and Review, Environmental recovery, Clean-up and restoration activities (with several sub-topics as mould protection, well-water safety and securing hazardous materials containers) M53=Recovery and Review, Other, Other recovery and review Lessons learnt from flood events Insurance policies M61=Other

simpleType MechanismofFlooding

type	restriction of xs:string
facets	Kind Value annotation enumeration A21 enumeration A22 enumeration A23 enumeration A24 enumeration A25

	enumeration A26
annotation	<p>documentation</p> <p>Define relevant mechanism of flooding. The list are in line with table A2 from list of flood types from February 2011 (version 6).</p> <p style="text-align: center;">One or more options can be selected.</p> <p>A21=Natural Exceedance: Flooding of land by waters exceeding the capacity of their carrying channel or the level of adjacent lands.</p> <p>A22=Defence Exceedance: Flooding of land due to floodwaters overtopping flood defences.</p> <p>A23=Defence or Infrastructural Failure: Flooding of land due to the failure of natural or artificial defences or infrastructure. This mechanism of flooding could include the breaching or collapse of a flood defence or retention structure, or the failure in operation of pumping equipment or gates.</p> <p>A24=Blockage / Restriction: Flooding of land due to a natural or artificial blockage or restriction of a conveyance channel or system. This mechanism of flooding could include the blockage of sewerage systems or due to restrictive channel structures such as bridges or culverts or arising from ice jams or land slides.</p> <p>A25=Other: Flooding of land by water due to other mechanisms, for instance windsetup floods.</p> <p>A26=No data available on the mechanism of flooding.</p>

simpleType NumberDecimalBaseType

type	restriction of xs:decimal
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simpleType NumberDecimalType

type	union of (NumberDecimalBaseType , NumberExceptionType)
annotation	documentation Decimal with options for exceptions. -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable.

simpleType NumberExceptionType

type	restriction of xs:string												
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>-9999</td> <td></td> </tr> <tr> <td>enumeration</td> <td>-8888</td> <td></td> </tr> <tr> <td>enumeration</td> <td>-7777</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	-9999		enumeration	-8888		enumeration	-7777	
Kind	Value	annotation											
enumeration	-9999												
enumeration	-8888												
enumeration	-7777												
annotation	documentation Numerical codes for data exceptions: -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable												

simpleType NumberNonNegativeIntegerType

type	union of (xs:nonNegativeInteger , NumberExceptionType)
annotation	documentation Non-negative integer with option for exceptions

simpleType NumberPercentageBaseType

type	restriction of xs:decimal
annotation	documentation Percentage with 3 decimal places

simpleType NumberPercentageType

type	union of (NumberPercentageBaseType , NumberExceptionType)
annotation	documentation Percentage with option for exceptions

simpleType PriorityCategories

type	restriction of xs:string																									
facets	<table border="0"> <tr> <td>Kind</td> <td>enumeration</td> <td>Value</td> <td>Critical</td> <td>annotation</td> </tr> <tr> <td></td> <td>enumeration</td> <td>High</td> <td></td> <td></td> </tr> <tr> <td></td> <td>enumeration</td> <td>VeryHigh</td> <td></td> <td></td> </tr> <tr> <td></td> <td>enumeration</td> <td>Moderate</td> <td></td> <td></td> </tr> <tr> <td></td> <td>enumeration</td> <td>Low</td> <td></td> <td></td> </tr> </table>	Kind	enumeration	Value	Critical	annotation		enumeration	High				enumeration	VeryHigh				enumeration	Moderate				enumeration	Low		
Kind	enumeration	Value	Critical	annotation																						
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simpleType ProtectedAreaType

type	restriction of xs:string																																																		
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Kind	enumeration	Value	Bathing	annotation																																															
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	enumeration	National																																																	
	enumeration	Local																																																	
annotation	documentation Defines all Protected Area types for use in the Register of Protected Areas (Article 6)																																																		

simpleType ScaleType

type	restriction of xs:string
annotation	documentation Format for Scale: 1:nnnnnnnn

simpleType SourceofFlooding

type	restriction of xs:string																														
facets	<table border="0"> <tr> <td>Kind</td> <td>enumeration</td> <td>Value</td> <td>A11</td> <td>annotation</td> </tr> <tr> <td></td> <td>enumeration</td> <td>A12</td> <td></td> <td></td> </tr> <tr> <td></td> <td>enumeration</td> <td>A13</td> <td></td> <td></td> </tr> <tr> <td></td> <td>enumeration</td> <td>A14</td> <td></td> <td></td> </tr> <tr> <td></td> <td>enumeration</td> <td>A15</td> <td></td> <td></td> </tr> <tr> <td></td> <td>enumeration</td> <td>A16</td> <td></td> <td></td> </tr> </table>	Kind	enumeration	Value	A11	annotation		enumeration	A12				enumeration	A13				enumeration	A14				enumeration	A15				enumeration	A16		
Kind	enumeration	Value	A11	annotation																											
	enumeration	A12																													
	enumeration	A13																													
	enumeration	A14																													
	enumeration	A15																													
	enumeration	A16																													

	enumeration A17
annotation	<p>documentation</p> <p>Define relevant source of flooding. The list are in line with table A1 from list of flood types from February 2011 (version 6).</p> <p>One or more options can be selected.</p> <p>A11=Fluvial: Flooding of land by waters originating from part of a natural drainage system, including natural or modified drainage channels. This source could include flooding from rivers, streams, drainage channels, mountain torrents and ephemeral watercourses, lakes and floods arising from snow melt.</p> <p>A12=Pluvial: Flooding of land directly from rainfall water falling on, or flowing over, the land. This source could include urban storm water, rural overland flow or excess water, or overland floods arising from snowmelt.</p> <p>A13=Groundwater: Flooding of land by waters from underground rising to above the land surface. This source could include rising groundwater and underground flow from elevated surface waters.</p> <p>A14=Sea Water: Flooding of land by water from the sea, estuaries or coastal lakes. This source could include flooding from the sea (e.g., extreme tidal level and / or storm surges) or arising from wave action or coastal tsunamis.</p> <p>A15=Artificial Water-Bearing Infrastructure: Flooding of land by water arising from artificial, water-bearing infrastructure or failure of such infrastructure. This source could include flooding arising from sewerage systems (including storm water, combined and foul sewers), water supply and wastewater treatment systems, artificial navigation canals and impoundments (e.g., dams and reservoirs).</p> <p>A16=Other: Flooding of land by water due to other sources, can include other tsunamis.</p> <p>A17=No data available on the source of flooding.</p>

simpleType Status

type	restriction of xs:string															
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>NS</td> <td></td> </tr> <tr> <td>enumeration</td> <td>OG</td> <td></td> </tr> <tr> <td>enumeration</td> <td>OGC</td> <td></td> </tr> <tr> <td>enumeration</td> <td>COM</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	NS		enumeration	OG		enumeration	OGC		enumeration	COM	
Kind	Value	annotation														
enumeration	NS															
enumeration	OG															
enumeration	OGC															
enumeration	COM															
annotation	<p>documentation</p> <p>Not started (NS), on-going (OG), on-going construction (OGC) or completed (COM)</p>															

simpleType String100000Type

type	restriction of xs:string
annotation	<p>documentation</p> <p>Type to enter string of 1 to 100000 characters</p>

simpleType String10000Type

type	restriction of xs:string
annotation	<p>documentation</p> <p>Type to enter string of 1 to 10000 characters</p>

simpleType String1000Type

type	restriction of xs:string
annotation	<p>documentation</p>

	String of up to 1000 characters
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simpleType **String100Type**

type	restriction of xs:string
annotation	documentation String of up to 100 characters

simpleType **String2000Type**

type	restriction of xs:string
annotation	documentation Type to enter string of 1 to 20000 characters

simpleType **String2000Type**

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annotation	documentation Type to enter string of 1 to 2000 characters

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annotation	documentation String of up to 250 characters

simpleType **String5000Type**

type	restriction of xs:string
annotation	documentation Type to enter string of 1 to 5000 characters

simpleType **String500Type**

type	restriction of xs:string
annotation	documentation String of up to 500 characters

simpleType **String50Type**

type	restriction of xs:string
annotation	documentation String of up to 50 characters

simpleType **TotalDamageClass**

type	restriction of xs:string															
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>I</td> <td></td> </tr> <tr> <td>enumeration</td> <td>L</td> <td></td> </tr> <tr> <td>enumeration</td> <td>M</td> <td></td> </tr> <tr> <td>enumeration</td> <td>H</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	I		enumeration	L		enumeration	M		enumeration	H	
Kind	Value	annotation														
enumeration	I															
enumeration	L															
enumeration	M															
enumeration	H															

	<p>enumeration VH</p> <p>enumeration NA</p> <p>enumeration U</p>
annotation	<p>documentation</p> <p>For Insignifcant, Low, Medium, High, Very high, Not Applicable, Unknown:</p> <p>U=Unknown</p> <p>NA=Not Applicable</p> <p>I=Insignifcant;</p> <p>L=Low;</p> <p>M=Medium</p> <p>H=High</p> <p>VH=Very high</p>

simpleType TypeCulturalHeritage

type	restriction of xs:string															
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>B31</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B32</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B33</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B34</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	B31		enumeration	B32		enumeration	B33		enumeration	B34	
Kind	Value	annotation														
enumeration	B31															
enumeration	B32															
enumeration	B33															
enumeration	B34															
annotation	<p>documentation</p> <p>Define relevant type of Consequences. The list are in line with section B in the 'List of flood types and list of consequences' document from February 2011 (version 6). One or more options can be selected.</p> <p>B31=Cultural Assets: Adverse consequences to cultural heritage, which could include archaeological sites / monuments, architectural sites, museums, spiritual sites and buildings.</p> <p>B32=Landscape: Adverse permanent or long-term consequences on cultural landscapes, that is cultural properties which represents the combined works of nature and man, such as relics of traditional landscapes, anchor locations or zones.</p> <p>B33=Other</p> <p>B34=Not applicable</p>															

simpleType TypeEconomic

type	restriction of xs:string																					
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>B41</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B42</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B43</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B44</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B45</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B46</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	B41		enumeration	B42		enumeration	B43		enumeration	B44		enumeration	B45		enumeration	B46	
Kind	Value	annotation																				
enumeration	B41																					
enumeration	B42																					
enumeration	B43																					
enumeration	B44																					
enumeration	B45																					
enumeration	B46																					
annotation	<p>documentation</p> <p>Define relevant type of Consequences. The list are in line with section B in the 'List of flood types and list of consequences' document from February 2011 (version 6). One or more options can be selected.</p> <p>B41=Property: Adverse consequences to property, which could include homes.</p>																					

	<p>B42=Infrastructure: Adverse consequences to infrastructural assets such as utilities, power generation, transport, storage and communication.</p> <p>B43=Rural Land Use: Adverse consequences to uses of the land, such as agricultural activity (livestock, arable and horticulture), forestry, mineral extraction and fishing.</p> <p>B44=Economic Activity: Adverse consequences to sectors of economic activity, such as manufacturing, construction, retail, services and other sources of employment.</p> <p>B45=Other</p> <p>B46=Not applicable</p>
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simpleType TypeEnvironment

type	restriction of xs:string																		
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>B21</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B22</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B23</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B24</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B25</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	B21		enumeration	B22		enumeration	B23		enumeration	B24		enumeration	B25	
Kind	Value	annotation																	
enumeration	B21																		
enumeration	B22																		
enumeration	B23																		
enumeration	B24																		
enumeration	B25																		
annotation	<p>documentation</p> <p>Define relevant type of Consequences. The list are in line with section B in the 'List of flood types and list of consequences' document from February 2011 (version 6). One or more options can be selected.</p> <p>B21=Waterbody Status: Adverse consequences ecological or chemical status of surface water bodies or chemical status of ground water bodies affected, as of concern under the WFD. Such consequences may arise from pollution from various sources (point and diffuse) or due to hydromorphological impacts of flooding.</p> <p>B22=Protected Areas: Adverse consequences to protected areas or waterbodies such as those designated under the Birds and Habitats Directives, bathing waters or drinking water abstraction points.</p> <p>B23=Pollution Sources: Sources of potential pollution in the event of a flood, such as IPPC and Seveso installations, or point or diffuse sources.</p> <p>B24=Other potential adverse environmental impacts, such as those on soil, biodiversity, flora and fauna, etc.</p> <p>B25=Not applicable</p>																		

simpleType TypeHumanHealth

type	restriction of xs:string															
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>B11</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B12</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B13</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B14</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	B11		enumeration	B12		enumeration	B13		enumeration	B14	
Kind	Value	annotation														
enumeration	B11															
enumeration	B12															
enumeration	B13															
enumeration	B14															
annotation	<p>documentation</p> <p>Define relevant type of Consequences. The list are in line with section B in the</p>															

	<p>'List of flood types and list of consequences' document from February 2011 (version 6). One or more options can be selected.</p> <p>B11=Human Health: Adverse consequences to human health, either as immediate or consequential impacts, such as might arise from pollution or interruption of services related to water supply and treatment, and would include fatalities.</p> <p>B12=Community: Adverse consequences to the community, such as detrimental impacts on local governance and public administration, emergency response, education, health and social work facilities (such as hospitals).</p> <p>B13=Other</p> <p>B14=Not applicable</p>
--	---

simpleType TypeofLink

type	restriction of xs:string																				
facets	<table border="1"> <tr> <td>Kind</td> <td>enumeration</td> <td>Value</td> <td>WMS</td> <td>annotation</td> </tr> <tr> <td></td> <td>enumeration</td> <td></td> <td>PDF</td> <td></td> </tr> <tr> <td></td> <td>enumeration</td> <td></td> <td>Portal</td> <td></td> </tr> <tr> <td></td> <td>enumeration</td> <td></td> <td>Other</td> <td></td> </tr> </table>	Kind	enumeration	Value	WMS	annotation		enumeration		PDF			enumeration		Portal			enumeration		Other	
Kind	enumeration	Value	WMS	annotation																	
	enumeration		PDF																		
	enumeration		Portal																		
	enumeration		Other																		

simpleType WFDAssociationType

type	restriction of xs:string										
facets	<table border="1"> <tr> <td>Kind</td> <td>enumeration</td> <td>Value</td> <td>within</td> <td>annotation</td> </tr> <tr> <td></td> <td>enumeration</td> <td></td> <td>overlapping (partly within)</td> <td></td> </tr> </table>	Kind	enumeration	Value	within	annotation		enumeration		overlapping (partly within)	
Kind	enumeration	Value	within	annotation							
	enumeration		overlapping (partly within)								
annotation	<p>documentation</p> <p>Defines the type of EURBD (RiverBasinDistrict defined in the WFD (WaterFrameWorkDirective) Association. Options are 'within' and 'overlapping (partly within)'.</p>										

simpleType YesCode

type	restriction of xs:string										
facets	<table border="1"> <tr> <td>Kind</td> <td>enumeration</td> <td>Value</td> <td>Y</td> <td>annotation</td> </tr> <tr> <td></td> <td>enumeration</td> <td></td> <td></td> <td></td> </tr> </table>	Kind	enumeration	Value	Y	annotation		enumeration			
Kind	enumeration	Value	Y	annotation							
	enumeration										
annotation	<p>documentation</p> <p>Yes Code: Yes=Y</p>										

simpleType YesNoCode

type	restriction of xs:string															
facets	<table border="1"> <tr> <td>Kind</td> <td>enumeration</td> <td>Value</td> <td>Y</td> <td>annotation</td> </tr> <tr> <td></td> <td>enumeration</td> <td></td> <td>N</td> <td></td> </tr> <tr> <td></td> <td>enumeration</td> <td></td> <td></td> <td></td> </tr> </table>	Kind	enumeration	Value	Y	annotation		enumeration		N			enumeration			
Kind	enumeration	Value	Y	annotation												
	enumeration		N													
	enumeration															
annotation	<p>documentation</p> <p>Yes/No Code: Yes=Y; No=N</p>															

simpleType **YesNoNotApplicableCode**

type	restriction of xs:string												
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>Y</td> <td></td> </tr> <tr> <td>enumeration</td> <td>N</td> <td></td> </tr> <tr> <td>enumeration</td> <td>NA</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	Y		enumeration	N		enumeration	NA	
Kind	Value	annotation											
enumeration	Y												
enumeration	N												
enumeration	NA												
annotation	documentation For Yes, No or Unknown/Not Applicable: Y=Yes; N=No; NA=Unknown/Not Applicable												

simpleType **YesNoUnknownCode**

type	restriction of xs:string															
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>Y</td> <td></td> </tr> <tr> <td>enumeration</td> <td>N</td> <td></td> </tr> <tr> <td>enumeration</td> <td>U</td> <td></td> </tr> <tr> <td>enumeration</td> <td>NA</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	Y		enumeration	N		enumeration	U		enumeration	NA	
Kind	Value	annotation														
enumeration	Y															
enumeration	N															
enumeration	U															
enumeration	NA															
annotation	documentation For Yes, No or Unknown: Y=Yes; N=No; U=Unknown															

3.2 SCHEMA: ADMINISTRATIVE ARRANGEMENTS (COMPETENT AUTHORITIES AND UNITS OF MANAGEMENT)

Schema CA_UoM.xsd

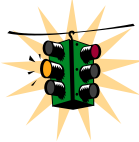
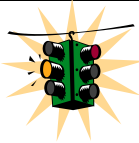
This schema deals with the reporting requirements for competent authorities and units of management. **In principle it is expected that there will only be one file per Member State.**

Article 3.1 of the Floods Directive indicates that Member States may make use of the administrative arrangements made under Article 3 of the Water Framework Directive. The Water Framework Directive requires Member States to ensure the appropriate administrative arrangements, including the identification of the appropriate competent authority, for the application of the rules of the Directive within each river basin district lying within their territory. However, different competent authorities may be appointed by Member States for the Floods Directive. The Floods Directive also allows Member States to identify different units of management from the river basin districts used for the Water Framework Directive. Competent authorities will be required for each national river basin district or unit of management and for the portion of any international river basin district or unit of management lying within a Member State's territory.

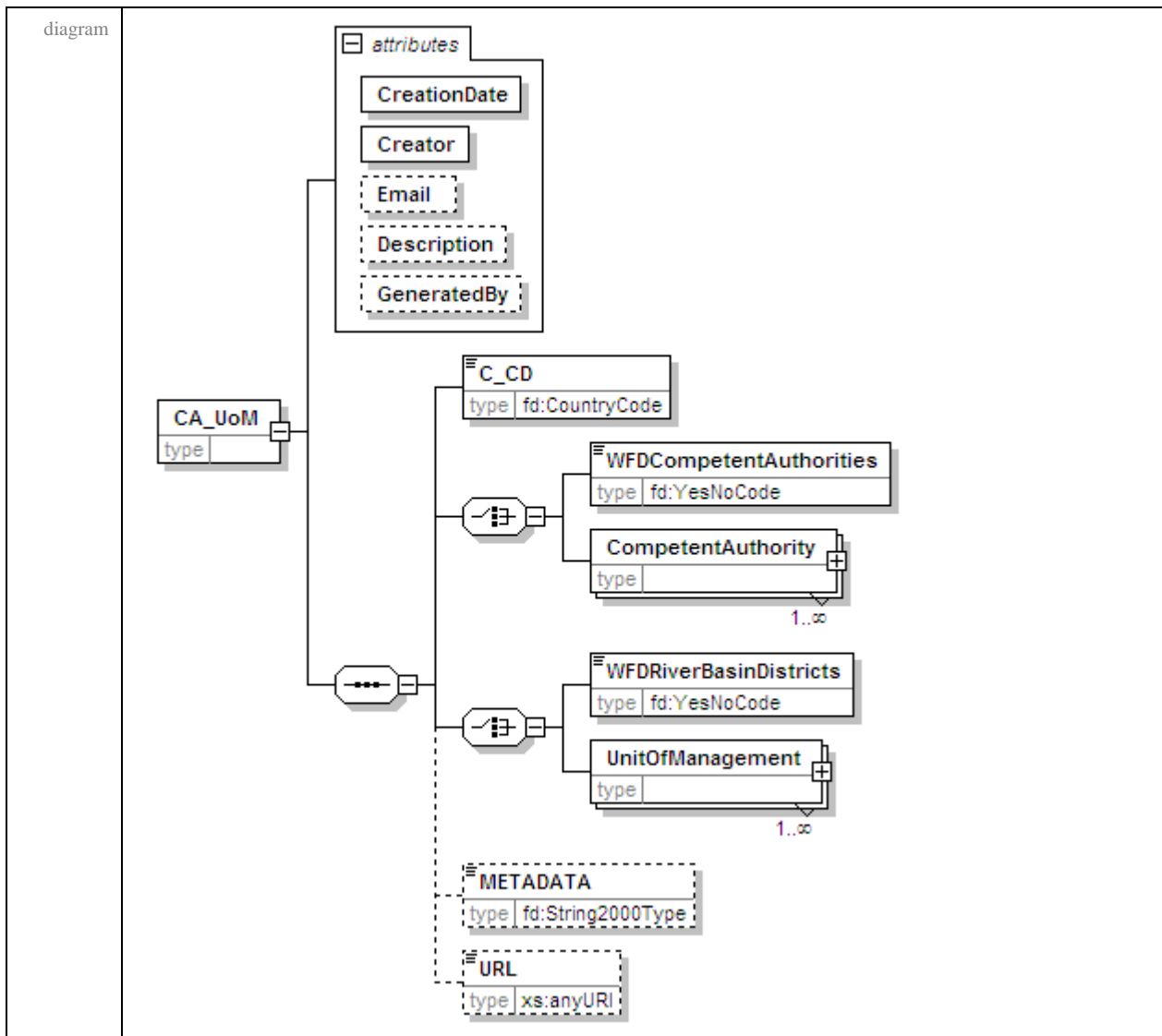
In cases where different competent authorities have been appointed the Floods Directive requires Member States to communicate to the Commission by 26 May 2010 the information

referred to in Annex I of the Water Framework Directive. Any changes in administrative arrangements also need to be communicated within three months of the change coming into effect.

The Floods Directive (Article 3.2) allows Member States to identify units of management different from the river basin districts used for the Water Framework Directive. Units of management may be individual river basins and/or certain coastal areas, and may be entirely within national borders or may be part of an international unit of management or international river basin district. The Floods Directive requires Member States to communicate to the Commission information on the identification of units of management by 26 May 2010.

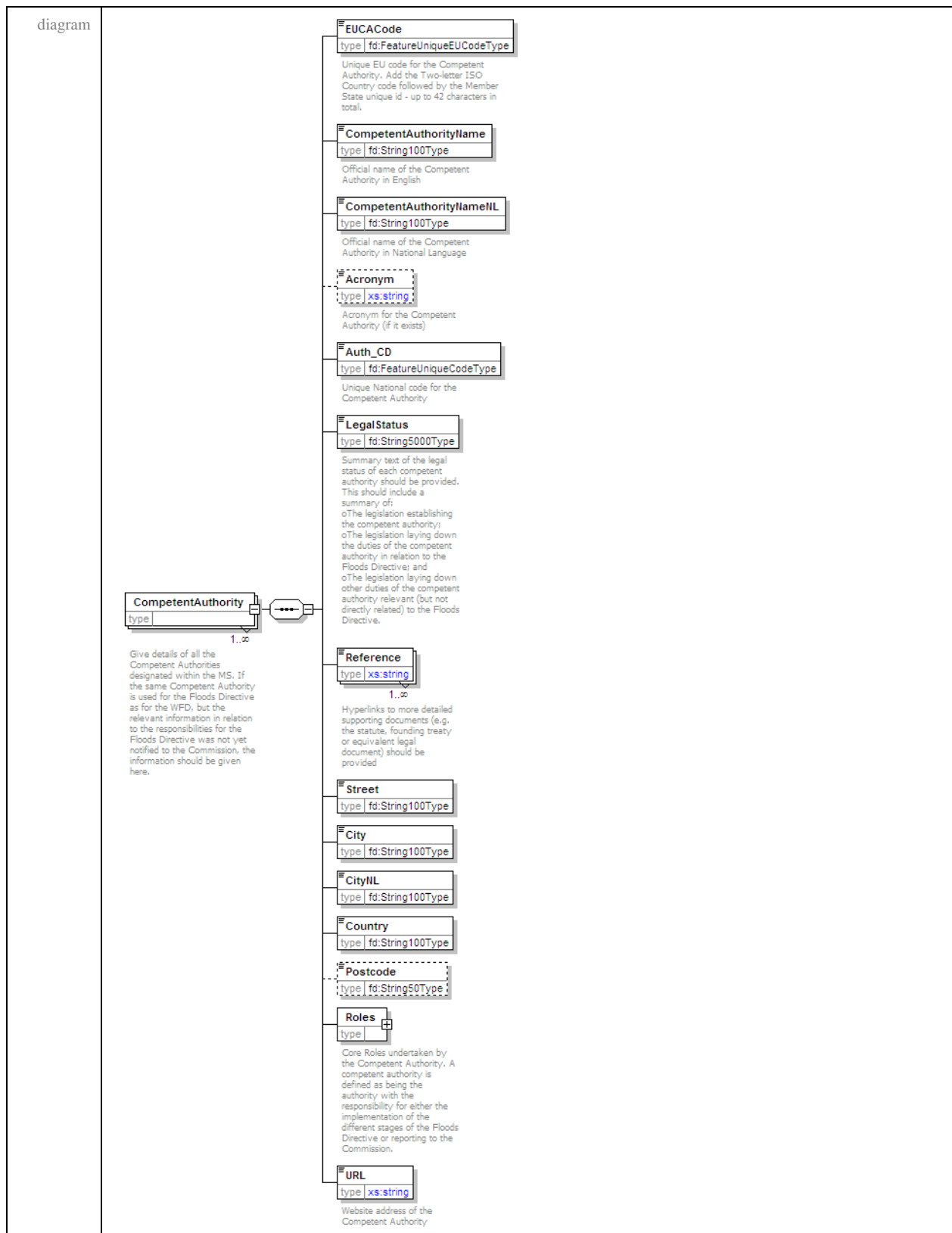
	<p>Look Out! According to the Directive, this information should only be provided if different competent authorities have been appointed and/or different units of management identified from those already reported for the Water Framework Directive. However, if the same competent authority is used for the Floods Directive as for the WFD, but the relevant information in relation to the responsibilities for the Floods Directive was not yet notified to the Commission, such information should now be notified in accordance with this reporting sheet.</p>
	<p>Look Out! Data should only be provided if other units of management have been identified for the Floods Directive or if Water Framework Directive RBDs are being used but information was missing from a Member State's submission to WISE or if any of the information has changed.</p>

element **CA_UoM**



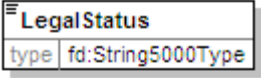
3.2.1 Competent Authority

element CA_UoM/CompetentAuthority



A competent authority may be associated with many RBDs or other units of management, and may have different address and contact details for each association. A general/main address and specific addresses for RBDs and other units of management should be provided if appropriate.

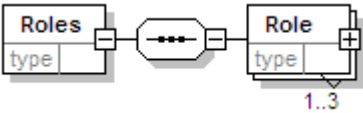
element **CA_UoM/CompetentAuthority/LegalStatus**

<p>diagram</p>	 <p>LegalStatus type fd:String5000Type</p> <p>Summary text of the legal status of each competent authority should be provided. This should include a summary of:</p> <ul style="list-style-type: none"> oThe legislation establishing the competent authority; oThe legislation laying down the duties of the competent authority in relation to the Floods Directive; and oThe legislation laying down other duties of the competent authority relevant (but not directly related) to the Floods Directive.
----------------	---

element **CA_UoM/CompetentAuthority/Reference**

<p>diagram</p>	 <p>Reference type xs:string</p> <p>1..∞</p> <p>Hyperlinks to more detailed supporting documents (e.g. the statute, founding treaty or equivalent legal document) should be provided</p>
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element **CA_UoM/CompetentAuthority/Roles**

<p>diagram</p>	 <p>Roles type Role type 1..3</p>
<p>annotation</p>	<p>documentation</p> <p>Core Roles undertaken by the Competent Authority. A competent authority is defined as being the authority with the responsibility for either the implementation of the different stages of the Floods Directive or reporting to the Commission.</p>

element **CA_UoM/CompetentAuthority/Roles/Role**

diagram	
annotation	<p>documentation</p> <p>A Competent Authority can have a minimum of 1 and maximum of 3 roles under the Floods Directive</p>

element **CA_UoM/CompetentAuthority/Roles/Role/RoleCode**

diagram													
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>A</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B</td> <td></td> </tr> <tr> <td>enumeration</td> <td>C</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	A		enumeration	B		enumeration	C	
Kind	Value	annotation											
enumeration	A												
enumeration	B												
enumeration	C												
annotation	<p>documentation</p> <p>Codes for the Role: A.Coordination, Preparation and Production of preliminary flood risk assessment, flood maps and flood risk management plans (FRMPs), including international coordination in transboundary Units of management; B.Reporting C.Other</p>												

Core responsibilities should be reported in terms of (more than one may apply to a competent authority):

A. Coordination, Preparation and Production and implementation of the different stages of the Floods Directive, including:

- Identification of RBDs/UoMs;
- The Preliminary Flood Risk Assessment, including the identification of areas of potential significant flood risk;
- Preparation of flood hazard and flood risk maps;
- Coordination with competent authorities appointed for the Water Framework Directive;

- Establishment of Flood Risk Management Plans in accordance with article 7 and the Annex;
- Coordination of plans and measures included therein, and coordination with authorities responsible for such measures, at relevant level (e.g. RBD/UoM), including international coordination in transboundary basins;
- Monitoring and evaluation of progress of the implementation of measures in FRMP;
- Public consultation; and,
- Other responsibilities to be defined.

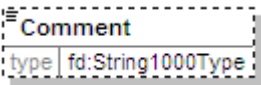
B. Reporting

- Public information and consultation;
- Reporting to Commission; and,
- Other responsibilities to be defined.

C Other

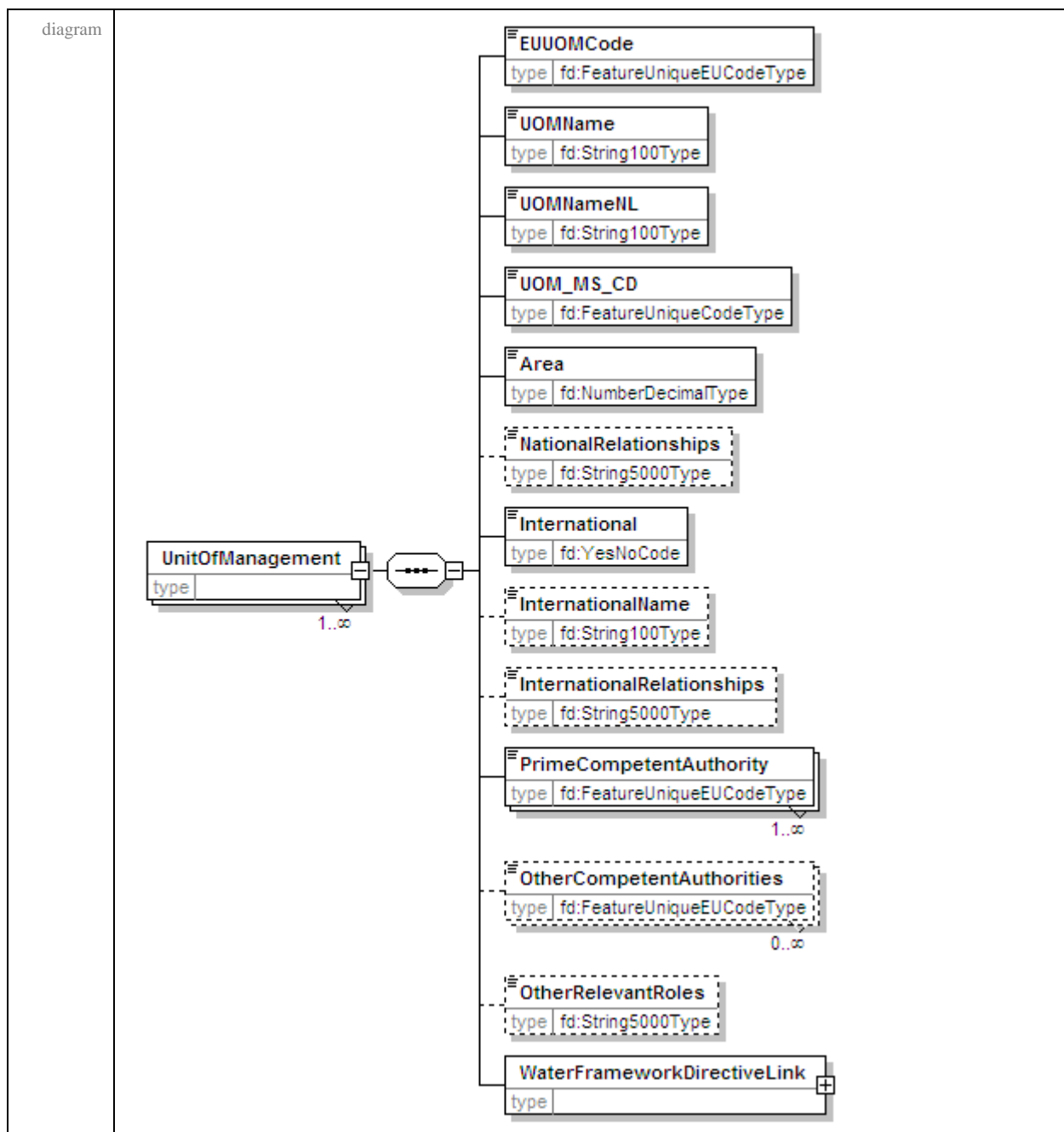
- Any other roles not covered above

element **CA_UoM/CompetentAuthority/Roles/Role/Comment**

diagram	
annotation	<p>documentation</p> <p>Provide the details of the selected role</p>

3.2.2 Unit of Management

element CA_UoM/UnitOfManagement

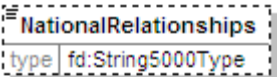


For the element UOMName, if there is no specific name of the UoM in English then use the national language (UOMNameNL) but always using Latin characters.

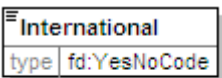
In most cases there will be only one PrimeCompetentAuthority in a UoM, which has a coordination role and the main responsibility over "Coordination, Preparation and Production of preliminary flood risk assessment, flood maps and flood risk management plans (FRMPs),

including international coordination in transboundary Units of management". Other relevant competent authorities can be added as appropriate using the optional element provided. More than one entry in the element PrimeCompetentAuthority is allowed in cases in which it is not possible to define clearly a prime competent authority because the existence of more than one competent authority of the same administrative level, with the same or similar levels of competence over water, covering for instance different geographical areas within the UoM or different water categories, without a clear coordination role attributed to any of them. It is up to the Member State to judge how best to report the situation in each particular UoM using the flexibility provided in the schema.

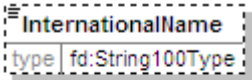
element **CA_UoM/UnitsOfManagement/NationalRelationships**

<p>diagram</p>	 <p>NationalRelationships type fd:String5000Type</p> <p>Summary text will be required on the institutional relationships established in order to ensure co-ordination where the competent authority acts as a co-ordinating body for other competent authorities, or when more than one competent authority is established. This should include a list showing the co-ordinating body and the relationship between the co-ordinating body and the authorities whose activities it is co-ordinating, and relationships with other bodies carrying out tasks linked to implementation of the plans including for example civil protection agencies and early warning systems.</p>
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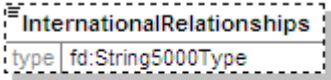
element **CA_UoM/UnitsOfManagement/International**

<p>diagram</p>	 <p>International type fd:YesNoCode</p> <p>Is the Unit of Management part of an International Unit of Management? (Answer Y or N)</p>								
<p>facets</p>	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>Y</td> </tr> <tr> <td>enumeration</td> <td>N</td> </tr> <tr> <td>enumeration</td> <td></td> </tr> </tbody> </table>	Kind	Value	enumeration	Y	enumeration	N	enumeration	
Kind	Value								
enumeration	Y								
enumeration	N								
enumeration									

element **CA_UoM/UnitsOfManagement/InternationalName**

diagram	 <p>CONDITIONAL If the answer to International is Y, give the name of the international Unit of Management (in English) that this forms part of</p>
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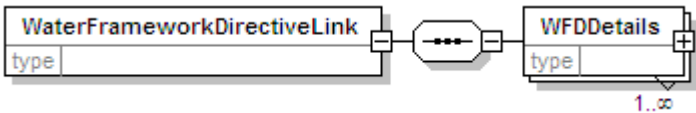
element **CA_UoM/UnitsOfManagement/InternationalRelationships**

diagram	 <p>CONDITIONAL If the answer to International is "Y" provide summary text (Less than 5000 characters) of the institutional relationships established to ensure co-ordination where a Unit of Management covers the territory of more than one Member State or includes the territory of non-Member States. Include reference to international agreements, if they exist, and links to further information.</p>
---------	--

element **CA_UoM/UnitsOfManagement/OtherRelevantRoles**

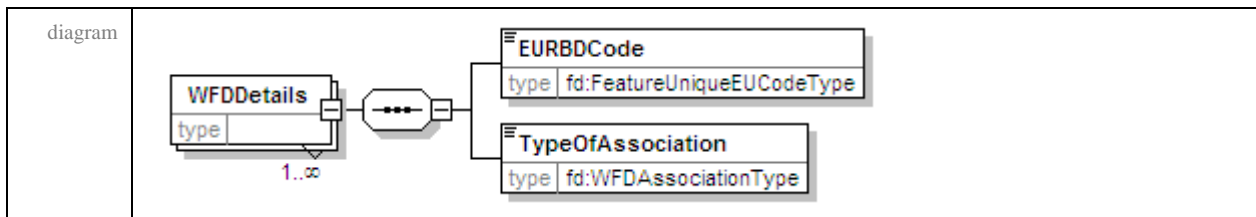
diagram	 <p>The core responsibilities of the relevant competent authority must be specified for each river basin district or other unit of management. If other relevant roles (such as spatial planning, flood forecasting, flood warning and civil protection) are fulfilled by organisations not defined as competent authorities for the purposes of reporting, a summary should be provided identifying these authorities and the roles that they perform.</p>
---------	--

element **CA_UoM/UnitOfManagement/WaterFrameworkDirectiveLink**

diagram	
annotation	documentation

	Where Units of Management have been defined the linkages to the relevant national River Basin Districts under the Water Framework Directive need to be described.
--	---

element **CA_UoM/UnitOfManagement/WaterFrameworkDirectiveLink/WFDDetails**



element
CA_UoM/UnitOfManagement/WaterFrameworkDirectiveLink/WFDDetails/EURBDCod

diagram	
annotation	<p>documentation</p> <p>Unique EU code for the WFD River Basin District(s) this Unit Of Management is associated with</p>

element
CA_UoM/UnitOfManagement/WaterFrameworkDirectiveLink/WFDDetails/TypeOfAssociation

diagram										
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>Within</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Overlapping (partly within)</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	Within		enumeration	Overlapping (partly within)	
Kind	Value	annotation								
enumeration	Within									
enumeration	Overlapping (partly within)									
annotation	<p>documentation</p> <p>Describe the type of Association of the UoM to the RBD:</p> <ul style="list-style-type: none"> - Within - Overlapping (partly within) 									

3.3 SCHEMA: PRELIMINARY FLOOD RISK ASSESSMENT AND IDENTIFICATION OF AREAS OF POTENTIAL SIGNIFICANT FLOOD RISK

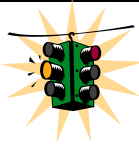
Schema PFRA.xsd and APSFR.xsd

These two schemas deal with the reporting requirements for the preliminary flood risk assessment and the identification of areas of potential significant flood risk. **In principle it is expected that there will be one file per UoM/RBD.**

Article 4 of the Floods Directive requires Member States to undertake a Preliminary Flood Risk Assessment (PFRA) for each river basin district, unit of management or the portion of an international river basin district or unit of management lying within their territory. The identification of areas potential significant flood risk (art. 5) will be based on **available or readily derivable** information including the requirements specified in the directive (art. 4).

Exchange of relevant information is required between the competent authorities of Member States sharing international RBDs or units of management (art 4.3) and identification of areas identified as being at potential significant flood risk shall be coordinated between the Member States concerned (art. 5.2).

The Commission will need to know how the assessment has been carried out (e.g. methodology, criteria applied) and what aspects and factors have been excluded in the PFRA and the reasons for their exclusion, in order to check the compliance with articles 4, 5 and 13.1(a). The Commission will also need to be notified, and be provided with the relevant information, when Member States apply article 13.1(b), that is to not carry out a PFRA, but proceed directly to the preparation of maps and plans. In particular in case of areas that are not designated as areas of potential significant flood risk (and therefore will be excluded from the further implementation of the Directive), the Commission will need to know if the various aspects and factors mentioned in article 4 were taken into account by the Member State, and if not, for what reason. At the core of the requirements of article 4 is to use information on past significant floods as the basis for identifying where floods may occur in the future. To avoid increasing the administrative costs in relation to reporting, but still gathering sufficient information to enable the Commission to check compliance with the preliminary flood risk assessment, basic information and geographic location, which either can be identified providing spatial data of the area or if no spatial data available a name of locality where past floods have occurred, should be provided. More detailed information should however be provided for floods that occur in the future during subsequent implementation cycles, and which will be considered as past floods for the review of those cycles.

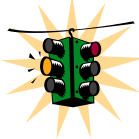
	<p>Look Out!</p> <p>It is recognised that not all of the data requested in this reporting sheet will be available for reporting for significant floods that have occurred prior to 22 December 2011. However, having recognised this, it is expected that the data set out will be collected, and hence reported, by Member States for significant flood events that occur after 22 December 2011.</p>
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It is also recognised that other approaches may be used for identifying Areas of Potential Significant Flood Risk (APSFR), such as predictive modelling. The reporting sheet gives a possibility to explain the different approaches and methodologies applied.

Article 5 requires that the PFRA shall be used as the basis for the identification of areas for which Member States conclude that potential significant flood risk (APSFR) exist or might be considered likely to occur in the future for each river basin district, unit of management or the portion of an international river basin district or unit of management lying within a Member State's territory. Coordination is required between MSs sharing PSFR areas within international RBDs or other international units of management.

The PFRA must be completed by 22 December 2011 and made available to the Commission by 22 March 2012. The PFRA will be used by Member States as the basis for identifying areas where potential significant flood risks might exist, or might be considered likely to occur. The Directive does not specify when the requirements of Art. 5 must be completed, however, the identification must be completed soon after 22 December 2011, and in sufficient time to allow Member States to prepare flood maps by 2013.

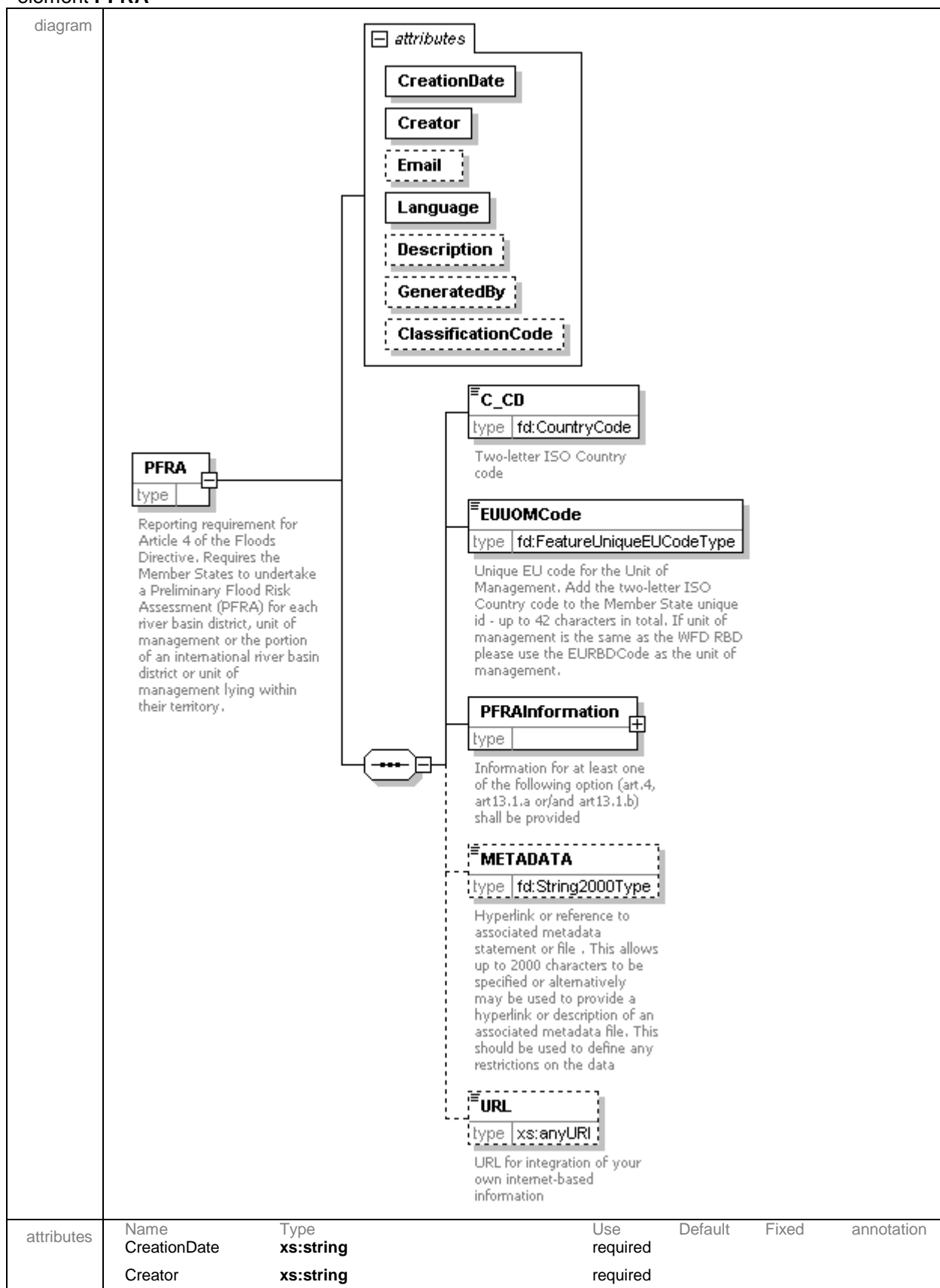
Member States may apply article 13.1 (transitional arrangements) in the 1st implementation cycle, and either report on a PFRA carried out before 22 December 2010 (Art. 13.1(a)) or proceed directly to mapping and establishment of flood risk management plans (Art. 13.1(b)). If article 13.1(a) is applied, the result will include the identification of APSFR, but the information provided for the basis of such assessment may differ. This will be taken into account in each reporting stage, and when detailed reporting formats are developed. It is recognised that if article 13.1(b) is applied, APSFR will not be identified, instead maps at the appropriate scale according to article 6 will be prepared, showing where significant flood risk exists in these areas. To ensure transparency for the Commission, as well as the public and other actors, this reporting sheet asks Member States to report which provision has been used in different parts of their territory, the option used will be made transparent in map format to be visualised together with the map of APSFR

	<p>Look Out!</p> <p>Member States may designate relatively large areas of <u>potential</u> significant flood risk (APSFR), compared to the areas that actually might be flooded. Flood risk management (the subject of Article 7) usually requires consideration of much larger areas than the areas that may actually be flooded. The identification of floodable areas is not due under Article 4, but under Article 6 of the Directive, through the production of the flood hazard and flood risk maps for all areas of PSFR.</p> <p>Thus, MSs may for instance choose to designate an area of PSFR as "river basin X except for the sub-basins of the tributaries P, Q and R" (where P, Q and R are tributaries for which no significant adverse impacts are anticipated, as demonstrated through application of the PFRA as set out in Articles 4 and 5).</p>
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Schema **PFRA_3p0.xsd**

Elements	Complex types
PFRA	FloodLocationsType
	TypeofFloodType
	TypeofPotentialConsequencesType

element **PFRA**



	Email xs:string Language LanguageCode required Description xs:string GeneratedBy xs:string ClassificationCode DataConfidentialityClassificationCode
annotation	documentation Reporting requirement for Article 4 of the Floods Directive. Requires the Member States to undertake a Preliminary Flood Risk Assessment (PFRA) for each river basin district, unit of management or the portion of an international river basin district or unit of management lying within their territory.

attribute **PFRA/@CreationDate**

attribute **PFRA/@Creator**

attribute **PFRA/@Email**

attribute **PFRA/@Language**

facets	Kind	Value	annotation
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	enumeration	es	
	enumeration	cs	
	enumeration	da	
	enumeration	de	
	enumeration	et	
	enumeration	el	
	enumeration	en	
	enumeration	fr	
	enumeration	ga	
	enumeration	hr	
	enumeration	ic	
	enumeration	it	
	enumeration	lv	
	enumeration	lt	
	enumeration	hu	
	enumeration	mt	
	enumeration	nl	
	enumeration	no	
	enumeration	pl	
	enumeration	pt	
	enumeration	ro	
	enumeration	sk	
	enumeration	sl	
	enumeration	sr	
	enumeration	tr	
	enumeration	fi	
	enumeration	sv	


attribute **PFRA/@Description**

attribute **PFRA/@GeneratedBy**

attribute **PFRA/@ClassificationCode**

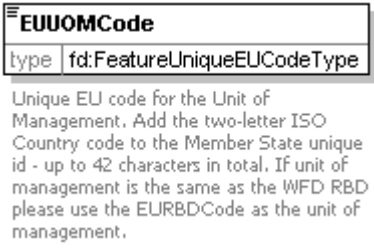
facets	Kind	Value	annotation
	enumeration	001	
	enumeration	003	

element **PFRA/C_CD**

diagram	Kind	Value	annotation
			
facets	enumeration	AT	
	enumeration	BE	
	enumeration	BG	
	enumeration	CH	
	enumeration	CZ	
	enumeration	CY	
	enumeration	DE	
	enumeration	DK	
	enumeration	EE	
	enumeration	EL	
	enumeration	ES	
	enumeration	FI	
	enumeration	FR	
	enumeration	HR	
	enumeration	HU	
	enumeration	IE	
	enumeration	IS	
	enumeration	IT	
	enumeration	LT	
	enumeration	LU	
	enumeration	LV	
	enumeration	MT	
	enumeration	NO	
	enumeration	NL	
	enumeration	PL	
	enumeration	PT	
	enumeration	RO	
	enumeration	SE	

	<p>enumeration SI</p> <p>enumeration SK</p> <p>enumeration TR</p> <p>enumeration UK</p>
annotation	<p>documentation</p> <p>Two-letter ISO Country code</p>

element **PFRA/EUUOMCode**

diagram	 <p>Unique EU code for the Unit of Management. Add the two-letter ISO Country code to the Member State unique id - up to 42 characters in total. If unit of management is the same as the WFD RBD please use the EURBDCode as the unit of management.</p>
annotation	<p>documentation</p> <p>Unique EU code for the Unit of Management. Add the two-letter ISO Country code to the Member State unique id - up to 42 characters in total. If unit of management is the same as the WFD RBD please use the EURBDCode as the unit of management.</p>

element **PFRA/PFRAInformation**

<p>diagram</p>	<p>The diagram illustrates the structure of the PFRAInformation element. It consists of a main box labeled PFRAInformation with a 'type' field. Below this box is the text: 'Information for at least one of the following option (art.4, art13.1.a or/and art13.1.b) shall be provided'. To the right of the main box is a connector box containing three dots. Three dashed boxes are connected to the right side of the connector box, each representing an option: Article4Applied, TransitionalMeasuresArt13.1.a, and TransitionalMeasuresArt13.1.b. Each option box contains a 'type' field and a detailed description of the requirements for that option.</p> <p>Article4Applied type</p> <p>If Article 4 has been applied then please complete Summary Information and Flood Event Information. The Flood Event Information shall include data for each significant past flood and/or potential future significant floods, where available or readily derivable.</p> <p>TransitionalMeasuresArt13.1.a type</p> <p>If Article 13.1a has been applied then please complete Summary Information and Flood Event Information. Member States may decide not to undertake the preliminary flood risk assessment referred to in Article 4 for those river basins, sub-basins or coastal areas where they have already undertaken a risk assessment to conclude, before 22 December 2010, that a potential significant flood risk exists or might be considered likely to occur leading to the identification of the area among those referred to in Article 5(1)</p> <p>TransitionalMeasuresArt13.1.b type</p> <p>Member States may decide not to undertake the preliminary flood risk assessment referred to in Article 4 for those river basins, sub-basins or coastal areas where they have decided, before 22 December 2010, to prepare flood hazard maps and flood risk maps and to establish flood risk management plans in accordance with the relevant provisions of this Directive.</p>
<p>annotation</p>	<p>documentation Information for at least one of the following option (art.4, art13.1.a or/and art13.1.b) shall be provided</p>

element **PFRA/PFRAInformation/Article4Applied**

<p>diagram</p>	<p>Article4Applied type If Article 4 has been applied then please complete Summary Information and Flood Event Information. The Flood Event Information shall include data for each significant past flood and/or potential future significant floods, where available or readily derivable.</p> <p>SpecificAreas type Provide spatial information on the specific areas in which Article 4 apply. If no specific area has been reported it is assumed that Article 4 is applied to the entire UoM.</p> <p>TypeofFloods type Provide information on the specific flood types in which Article 4 apply. If no specific flood types have been reported it is assumed that Article 4 is applied to all flood types.</p> <p>FloodEventInformation type FloodLocationsType 1..∞</p> <p>PFRASummaryInformation type Please provide summary information for the PFRA</p>
<p>annotation</p>	<p>documentation If Article 4 has been applied then please complete Summary Information and Flood Event Information. The Flood Event Information shall include data for each significant past flood and/or potential future significant floods, where available or readily derivable.</p>

element **PFRA/PFRAInformation/Article4Applied/SpecificAreas**

<p>diagram</p>	<p>SpecificAreas type Provide spatial information on the specific areas in which Article 4 apply. If no specific area has been reported it is assumed that Article 4 is applied to the entire UoM.</p> <p>SpecificArea type 1..∞</p>
<p>annotation</p>	<p>documentation Provide spatial information on the specific areas in which Article 4 apply. If no specific area has been reported it is assumed that Article 4 is applied to the entire UoM.</p>

element **PFRA/PFRAInformation/Article4Applied/SpecificAreas/SpecificArea**

<p>diagram</p>	<p>SpecificAreaCode type fd:FeatureUniqueCodeType Unique code for the specific area - up to 40 characters in total. To be used to establish link between spatial feature (polygon/line/point) and information in xml schema.</p> <p>NameofSpecificArea type fd:String250Type Name of the locality, river basin, sub-basin and/or coastal area or other areas associated with article 4</p>
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element **PFRA/PFRAInformation/Article4Applied/SpecificAreas/SpecificArea/SpecificAreaCode**

<p>diagram</p>	<p>SpecificAreaCode type fd:FeatureUniqueCodeType Unique code for the specific area - up to 40 characters in total. To be used to establish link between spatial feature (polygon/line/point) and information in xml schema.</p>
<p>annotation</p>	<p>documentation Unique code for the specific area - up to 40 characters in total. To be used to establish link between spatial feature (polygon/line/point) and information in xml schema.</p>

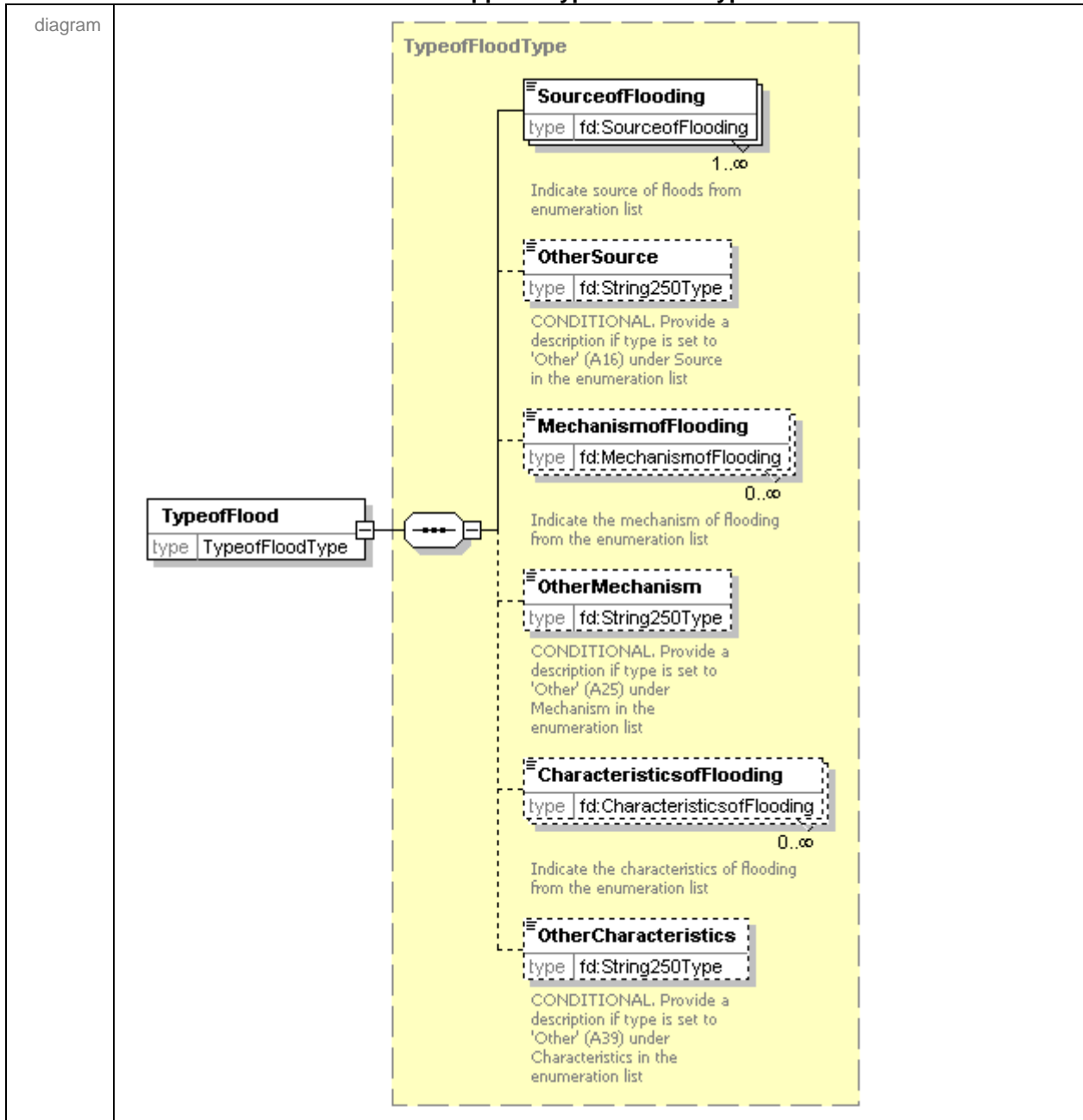
element **PFRA/PFRAInformation/Article4Applied/SpecificAreas/SpecificArea/NameofSpecificArea**

<p>diagram</p>	<p>NameofSpecificArea type fd:String250Type Name of the locality, river basin, sub-basin and/or coastal area or other areas associated with article 4</p>
<p>annotation</p>	<p>documentation Name of the locality, river basin, sub-basin and/or coastal area or other areas associated with article 4</p>

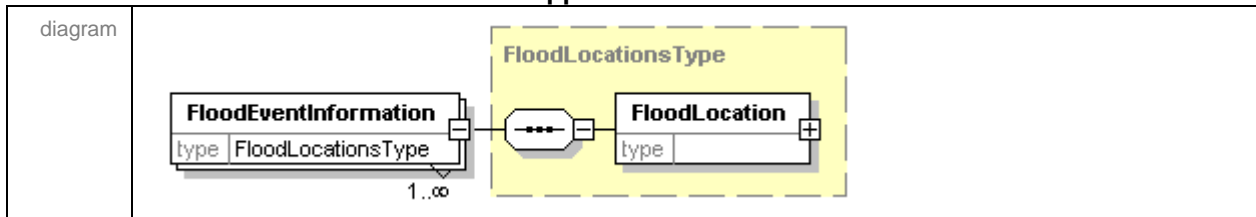
element **PFRA/PFRAInformation/Article4Applied/TypeofFloods**

<p>diagram</p>	<p>TypeofFloods type Provide information on the specific flood types in which Article 4 apply. If no specific flood types have been reported it is assumed that Article 4 is applied to all flood types.</p> <p>TypeofFlood type TypeofFloodType</p>
<p>annotation</p>	<p>documentation Provide information on the specific flood types in which Article 4 apply. If no specific flood types have been reported it is assumed that Article 4 is applied to all flood types.</p>

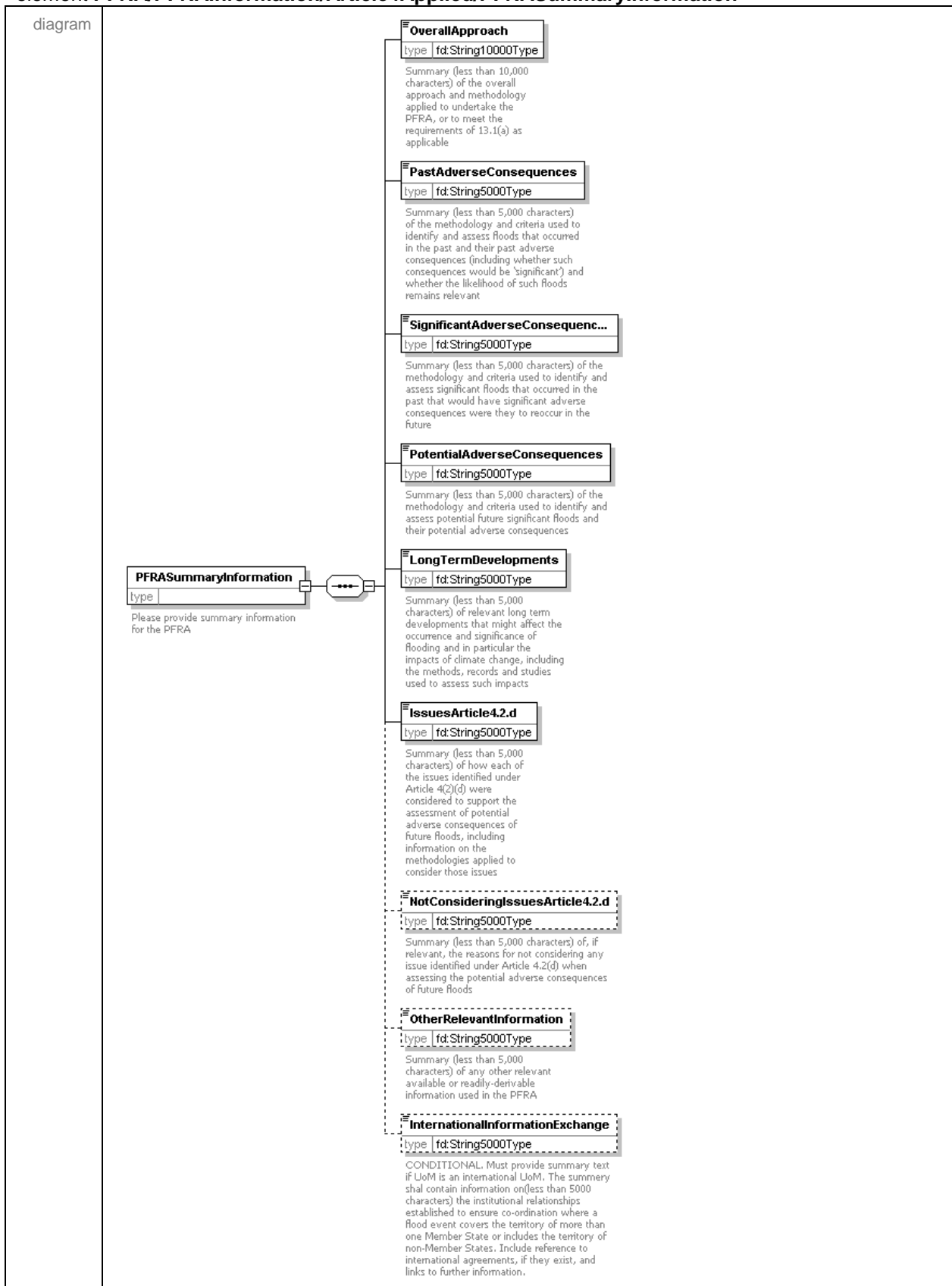
element **PFRA/PFRAInformation/Article4Applied/TypeofFloods/TypeofFlood**



element **PFRA/PFRAInformation/Article4Applied/FloodEventInformation**

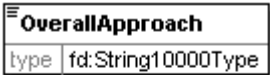


element **PFRA/PFRAInformation/Article4Applied/PFRASummaryInformation**

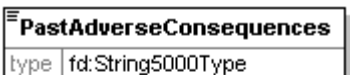


annotation	documentation Please provide summary information for the PFRA
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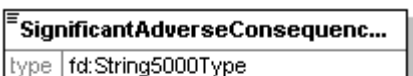
element **PFRA/PFRAInformation/Article4Applied/PFRASummaryInformation/OverallApproach**

diagram	 <p>Summary (less than 10,000 characters) of the overall approach and methodology applied to undertake the PFRA, or to meet the requirements of 13.1(a) as applicable</p>
annotation	documentation Summary (less than 10,000 characters) of the overall approach and methodology applied to undertake the PFRA, or to meet the requirements of 13.1(a) as applicable

element **PFRA/PFRAInformation/Article4Applied/PFRASummaryInformation/PastAdverseConsequences**

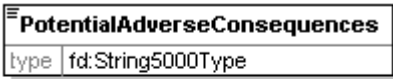
diagram	 <p>Summary (less than 5,000 characters) of the methodology and criteria used to identify and assess floods that occurred in the past and their past adverse consequences (including whether such consequences would be 'significant') and whether the likelihood of such floods remains relevant</p>
annotation	documentation Summary (less than 5,000 characters) of the methodology and criteria used to identify and assess floods that occurred in the past and their past adverse consequences (including whether such consequences would be 'significant') and whether the likelihood of such floods remains relevant

element **PFRA/PFRAInformation/Article4Applied/PFRASummaryInformation/SignificantAdverseConsequences**

diagram	 <p>Summary (less than 5,000 characters) of the methodology and criteria used to identify and assess significant floods that occurred in the past that would have significant adverse consequences were they to reoccur in the future</p>
annotation	documentation Summary (less than 5,000 characters) of the methodology and criteria used to identify and assess significant floods that occurred in the past that would have significant adverse consequences were they to reoccur in the future


element

PFRA/PFRAInformation/Article4Applied/PFRASummaryInformation/PotentialAdverseConsequences


diagram	 <p>Summary (less than 5,000 characters) of the methodology and criteria used to identify and assess potential future significant floods and their potential adverse consequences</p>
annotation	documentation Summary (less than 5,000 characters) of the methodology and criteria used to identify and assess potential future significant floods and their potential adverse consequences

element

PFRA/PFRAInformation/Article4Applied/PFRASummaryInformation/LongTermDevelopments

diagram	 <p>Summary (less than 5,000 characters) of relevant long term developments that might affect the occurrence and significance of flooding and in particular the impacts of climate change, including the methods, records and studies used to assess such impacts</p>
annotation	documentation Summary (less than 5,000 characters) of relevant long term developments that might affect the occurrence and significance of flooding and in particular the impacts of climate change, including the methods, records and studies used to assess such impacts

element **PFRA/PFRAInformation/Article4Applied/PFRASummaryInformation/IssuesArticle4.2.d**

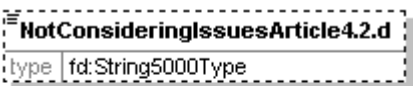
diagram	 <p>Summary (less than 5,000 characters) of how each of the issues identified under Article 4(2)(d) were considered to support the assessment of potential adverse consequences of future floods, including information on the methodologies applied to consider those issues</p>
annotation	documentation Summary (less than 5,000 characters) of how each of the issues identified under Article 4(2)(d) were considered to support the assessment of potential adverse consequences of future floods, including information on the methodologies applied to consider those issues

Article 4.2 (d) of the Floods Directive requires that the impacts of climate change and long-term developments on the occurrence of floods should be considered in the Preliminary Flood Risk Assessment, depending on the specific needs of the Member States. Early consideration of climate change and long-term developments will ensure that areas identified as being at significant flood risk, and hence where flood maps and flood management plans are focused, reflects future flood risk resulting from climate change or other long-term developments.

The Floods Directive (Article 4.2) also identifies a range of specific other issues that should be taken into account in undertaking the Preliminary Flood Risk Assessment. This does not preclude the use of any further other relevant available or readily derivable information by MSs.


element

PFRA/PFRAInformation/Article4Applied/PFRASummaryInformation/NotConsideringIssuesArticle4.2.d

diagram	 <p>Summary (less than 5,000 characters) of, if relevant, the reasons for not considering any issue identified under Article 4.2(d) when assessing the potential adverse consequences of future floods</p>
annotation	<p>documentation</p> <p>Summary (less than 5,000 characters) of, if relevant, the reasons for not considering any issue identified under Article 4.2(d) when assessing the potential adverse consequences of future floods</p>

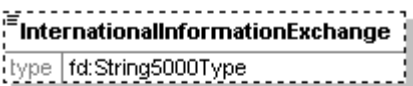
element

PFRA/PFRAInformation/Article4Applied/PFRASummaryInformation/OtherRelevantInformation

diagram	 <p>Summary (less than 5,000 characters) of any other relevant available or readily-derivable information used in the PFRA</p>
annotation	<p>documentation</p> <p>Summary (less than 5,000 characters) of any other relevant available or readily-derivable information used in the PFRA</p>

element

PFRA/PFRAInformation/Article4Applied/PFRASummaryInformation/InternationalInformationExchange

diagram	 <p>CONDITIONAL. Must provide summary text if UoM is an international UoM. The summary shall contain information on (less than 5000 characters) the institutional relationships established to ensure co-ordination where a flood event covers the territory of more than one Member State or includes the territory of non-Member States. Include reference to international agreements, if they exist, and links to further information.</p>
annotation	<p>documentation</p> <p>CONDITIONAL. Must provide summary text if UoM is an international UoM. The summary shall contain information on (less than 5000 characters) the institutional relationships established to ensure co-ordination where a flood event covers the territory of more than one Member State or includes the territory of non-Member States. Include reference to international agreements, if they exist, and links to further information.</p>

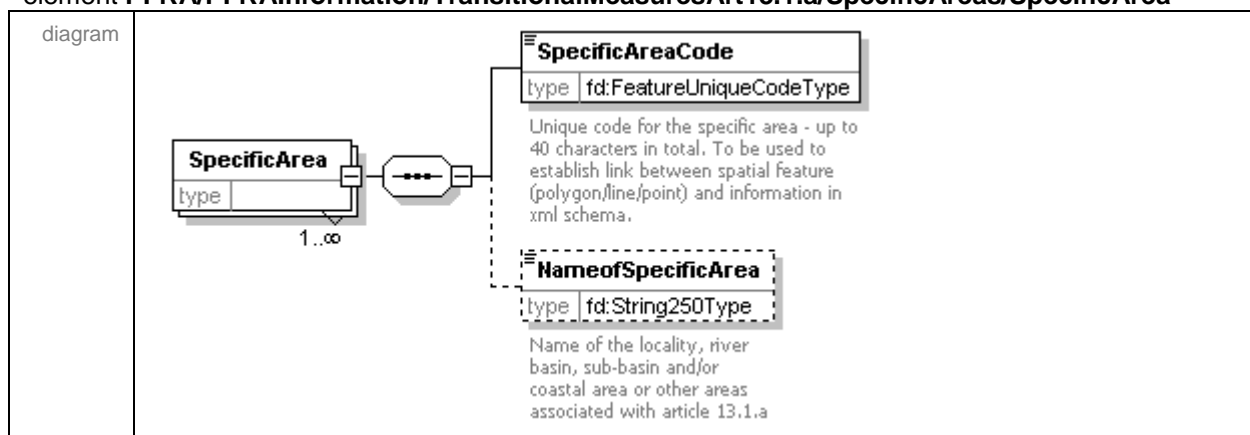
element **PFRA/PFRAInformation/TransitionalMeasuresArt13.1.a**

<p>diagram</p>	<p>TransitionalMeasuresArt13.1.a type</p> <p>If Article 13.1a has been applied then please complete Summary Information and Flood Event Information. Member States may decide not to undertake the preliminary flood risk assessment referred to in Article 4 for those river basins, sub-basins or coastal areas where they have already undertaken a risk assessment to conclude, before 22 December 2010, that a potential significant flood risk exists or might be considered likely to occur leading to the identification of the area among those referred to in Article 5(1)</p> <p>SpecificAreas type</p> <p>Provide spatial information on the specific areas in which Article 13.1.a apply. If no specific area has been reported it is assumed that Article 13.1.a applied to the entire UoM.</p> <p>TypeofFloods type</p> <p>Provide information on the specific flood types in which Article 13.1.a apply. If no specific flood types have been reported it is assumed that Article 13.1.a is applied to all flood types.</p> <p>FloodEventInformation type FloodLocationsType 1..∞</p> <p>PFRASummaryInformation type</p> <p>Please provide summary information for the PFRA</p>
<p>annotation</p>	<p>documentation If Article 13.1a has been applied then please complete Summary Information and Flood Event Information. Member States may decide not to undertake the preliminary flood risk assessment referred to in Article 4 for those river basins, sub-basins or coastal areas where they have already undertaken a risk assessment to conclude, before 22 December 2010, that a potential significant flood risk exists or might be considered likely to occur leading to the identification of the area among those referred to in Article 5(1)</p>

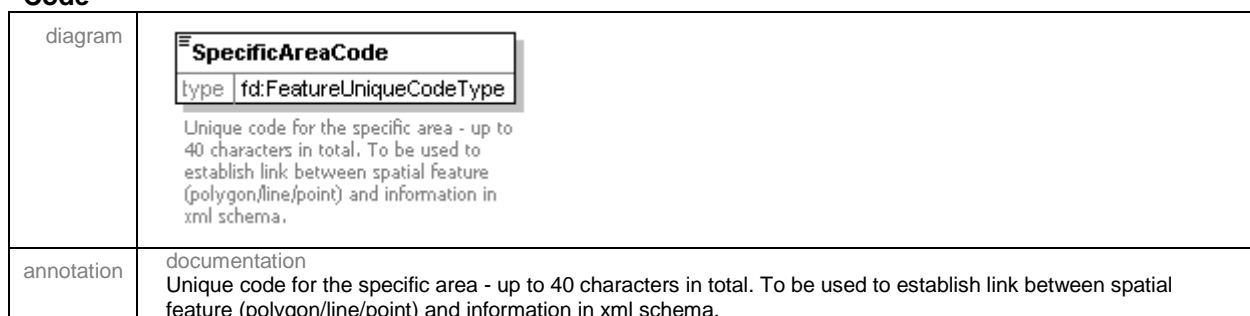
element **PFRA/PFRAInformation/TransitionalMeasuresArt13.1.a/SpecificAreas**

<p>diagram</p>	<p>SpecificAreas type</p> <p>Provide spatial information on the specific areas in which Article 13.1.a apply. If no specific area has been reported it is assumed that Article 13.1.a applied to the entire UoM.</p> <p>SpecificArea type 1..∞</p>
<p>annotation</p>	<p>documentation Provide spatial information on the specific areas in which Article 13.1.a apply. If no specific area has been reported it is assumed that Article 13.1.a applied to the entire UoM.</p>

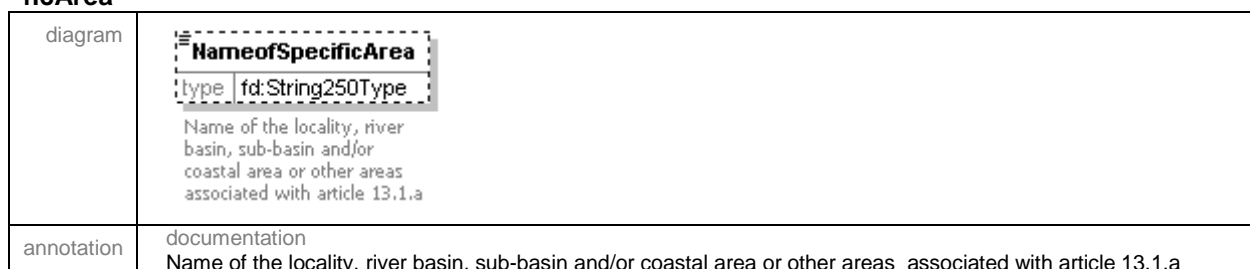
element **PFRA/PFRAInformation/TransitionalMeasuresArt13.1.a/SpecificAreas/SpecificArea**



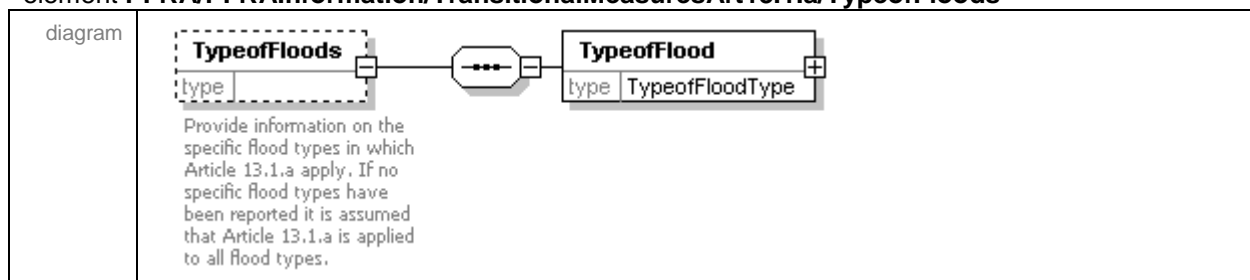
element **PFRA/PFRAInformation/TransitionalMeasuresArt13.1.a/SpecificAreas/SpecificArea/SpecificArea Code**



element **PFRA/PFRAInformation/TransitionalMeasuresArt13.1.a/SpecificAreas/SpecificArea/NameofSpecificArea**

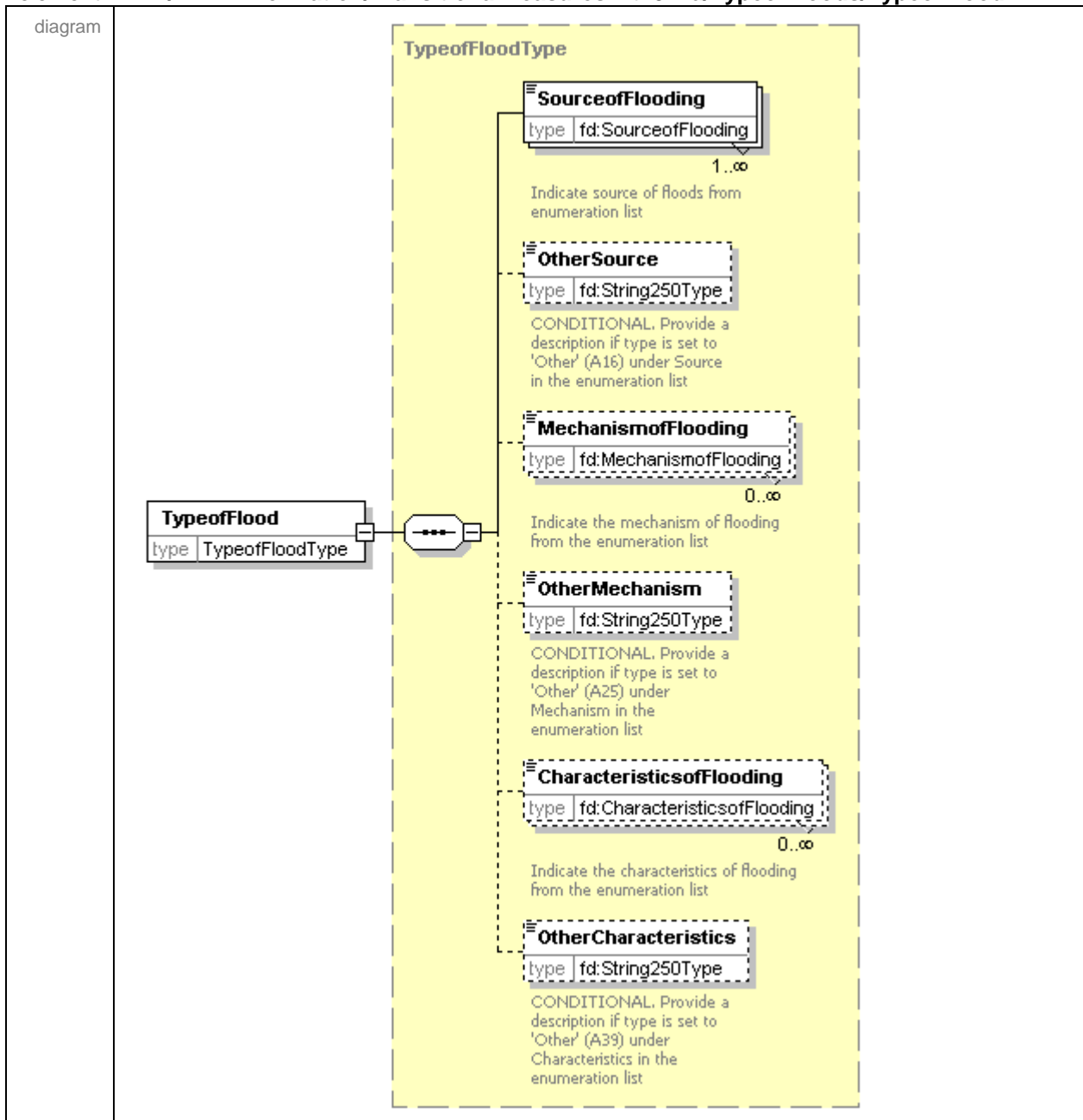


element **PFRA/PFRAInformation/TransitionalMeasuresArt13.1.a/TypeofFloods**

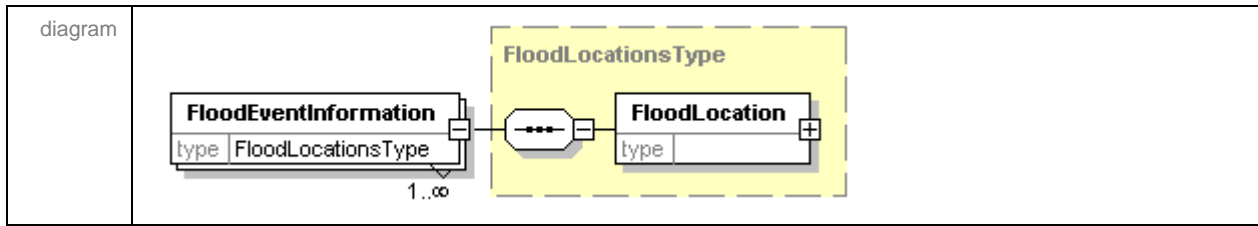


annotation	documentation Provide information on the specific flood types in which Article 13.1.a apply. If no specific flood types have been reported it is assumed that Article 13.1.a is applied to all flood types.
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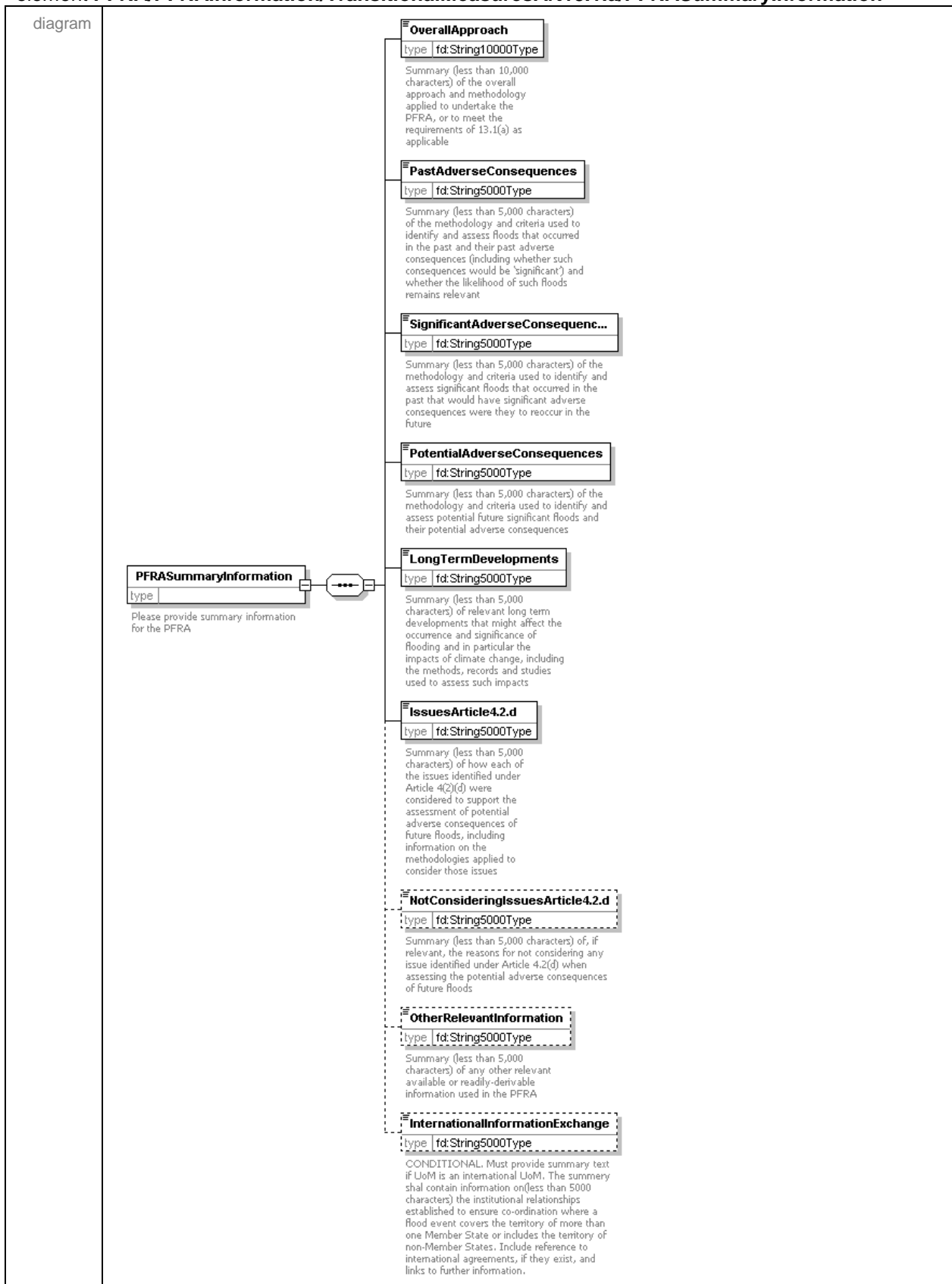
element **PFRA/PFRAInformation/TransitionalMeasuresArt13.1.a/TypeofFloods/TypeofFlood**



element **PFRA/PFRAInformation/TransitionalMeasuresArt13.1.a/FloodEventInformation**



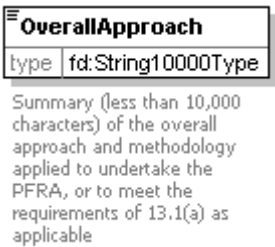
element **PFRA/PFRAInformation/TransitionalMeasuresArt13.1.a/PFRASummaryInformation**



annotation	documentation Please provide summary information for the PFRA
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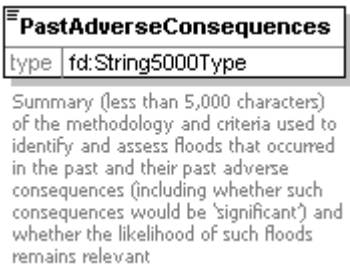
element

PFRA/PFRAInformation/TransitionalMeasuresArt13.1.a/PFRASummaryInformation/OverallApproach

diagram	 <p>Summary (less than 10,000 characters) of the overall approach and methodology applied to undertake the PFRA, or to meet the requirements of 13.1(a) as applicable</p>
annotation	documentation Summary (less than 10,000 characters) of the overall approach and methodology applied to undertake the PFRA, or to meet the requirements of 13.1(a) as applicable

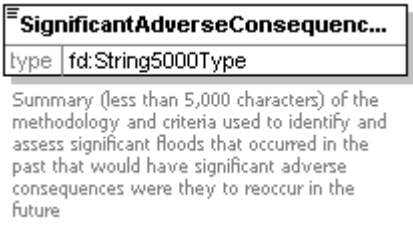
element

PFRA/PFRAInformation/TransitionalMeasuresArt13.1.a/PFRASummaryInformation/PastAdverseConsequences

diagram	 <p>Summary (less than 5,000 characters) of the methodology and criteria used to identify and assess floods that occurred in the past and their past adverse consequences (including whether such consequences would be 'significant') and whether the likelihood of such floods remains relevant</p>
annotation	documentation Summary (less than 5,000 characters) of the methodology and criteria used to identify and assess floods that occurred in the past and their past adverse consequences (including whether such consequences would be 'significant') and whether the likelihood of such floods remains relevant

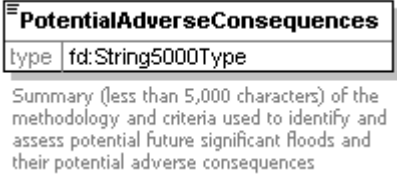
element

PFRA/PFRAInformation/TransitionalMeasuresArt13.1.a/PFRASummaryInformation/SignificantAdverseConsequences

diagram	 <p>Summary (less than 5,000 characters) of the methodology and criteria used to identify and assess significant floods that occurred in the past that would have significant adverse consequences were they to reoccur in the future</p>
annotation	documentation Summary (less than 5,000 characters) of the methodology and criteria used to identify and assess significant floods that occurred in the past that would have significant adverse consequences were they to reoccur in the future

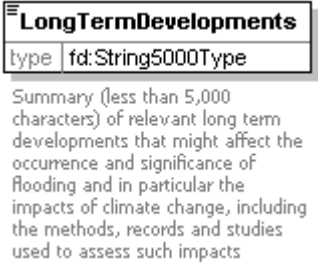
element

PFRA/PFRAInformation/TransitionalMeasuresArt13.1.a/PFRASummaryInformation/PotentialAdverseConsequences

diagram	 <p>Summary (less than 5,000 characters) of the methodology and criteria used to identify and assess potential future significant floods and their potential adverse consequences</p>
annotation	documentation Summary (less than 5,000 characters) of the methodology and criteria used to identify and assess potential future significant floods and their potential adverse consequences

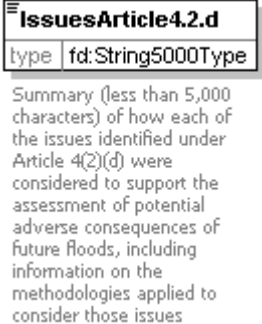
element

PFRA/PFRAInformation/TransitionalMeasuresArt13.1.a/PFRASummaryInformation/LongTermDevelopments

diagram	 <p>Summary (less than 5,000 characters) of relevant long term developments that might affect the occurrence and significance of flooding and in particular the impacts of climate change, including the methods, records and studies used to assess such impacts</p>
annotation	documentation Summary (less than 5,000 characters) of relevant long term developments that might affect the occurrence and significance of flooding and in particular the impacts of climate change, including the methods, records and studies used to assess such impacts

element

PFRA/PFRAInformation/TransitionalMeasuresArt13.1.a/PFRASummaryInformation/IssuesArticle4.2.d

diagram	 <p>Summary (less than 5,000 characters) of how each of the issues identified under Article 4(2)(d) were considered to support the assessment of potential adverse consequences of future floods, including information on the methodologies applied to consider those issues</p>
annotation	documentation Summary (less than 5,000 characters) of how each of the issues identified under Article 4(2)(d) were considered to support the assessment of potential adverse consequences of future floods, including information on the methodologies applied to consider those issues

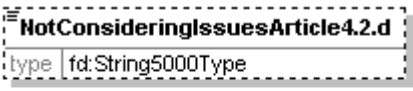
Article 4.2 (d) of the Floods Directive requires that the impacts of climate change and long-term developments on the occurrence of floods should be considered in the Preliminary Flood Risk Assessment, depending on the specific needs of the Member States. Early consideration of climate change and long-term developments will ensure that areas identified as being at

significant flood risk, and hence where flood maps and flood management plans are focused, reflects future flood risk resulting from climate change or other long-term developments.

The Floods Directive (Article 4.2) also identifies a range of specific other issues that should be taken into account in undertaking the Preliminary Flood Risk Assessment. This does not preclude the use of any further other relevant available or readily derivable information by MSs.


element

PFRA/PFRAInformation/TransitionalMeasuresArt13.1.a/PFRASummaryInformation/NotConsideringIssuesArticle4.2.d

diagram	 <p>Summary (less than 5,000 characters) of, if relevant, the reasons for not considering any issue identified under Article 4.2(d) when assessing the potential adverse consequences of future floods</p>
annotation	documentation Summary (less than 5,000 characters) of, if relevant, the reasons for not considering any issue identified under Article 4.2(d) when assessing the potential adverse consequences of future floods

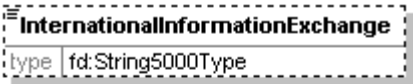
element

PFRA/PFRAInformation/TransitionalMeasuresArt13.1.a/PFRASummaryInformation/OtherRelevantInformation

diagram	 <p>Summary (less than 5,000 characters) of any other relevant available or readily-derivable information used in the PFRA</p>
annotation	documentation Summary (less than 5,000 characters) of any other relevant available or readily-derivable information used in the PFRA

element

PFRA/PFRAInformation/TransitionalMeasuresArt13.1.a/PFRASummaryInformation/InternationalInformationExchange

diagram	 <p>CONDITIONAL. Must provide summary text if UoM is an international UoM. The summary shall contain information on (less than 5000 characters) the institutional relationships established to ensure co-ordination where a flood event covers the territory of more than one Member State or includes the territory of non-Member States. Include reference to international agreements, if they exist, and links to further information.</p>
annotation	documentation CONDITIONAL. Must provide summary text if UoM is an international UoM. The summary shall contain information on (less than 5000 characters) the institutional relationships established to ensure co-ordination

where a flood event covers the territory of more than one Member State or includes the territory of non-Member States. Include reference to international agreements, if they exist, and links to further information.

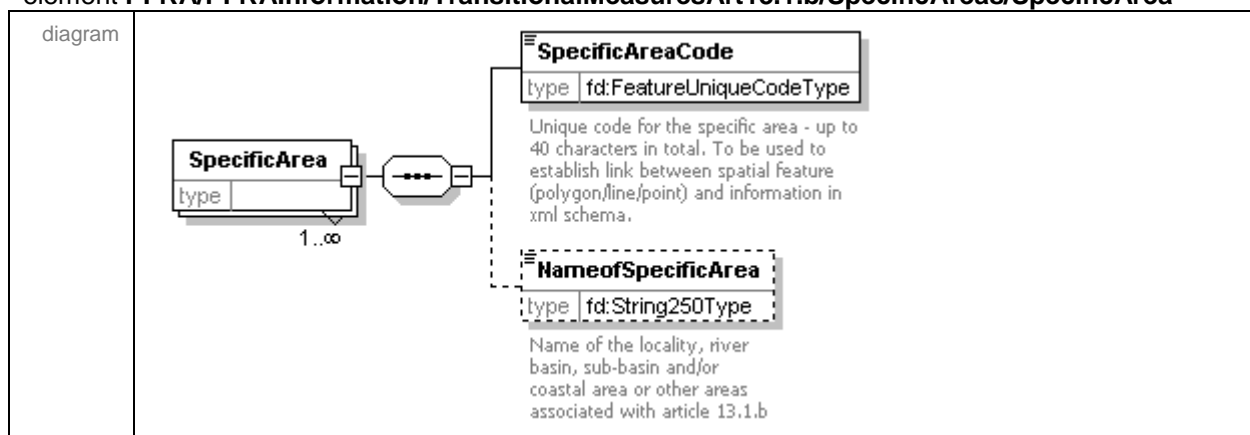
element **PFRA/PFRAInformation/TransitionalMeasuresArt13.1.b**

<p>diagram</p>	<p>TransitionalMeasuresArt13.1.b type</p> <p>Member States may decide not to undertake the preliminary flood risk assessment referred to in Article 4 for those river basins, sub-basins or coastal areas where they have decided, before 22 December 2010, to prepare flood hazard maps and flood risk maps and to establish flood risk management plans in accordance with the relevant provisions of this Directive.</p> <p>SpecificAreas type</p> <p>Provide spatial information on the specific areas in which Article 13.1.b apply. If no specific area has been reported it is assumed that Article 13.1.b is applied to the entire UoM.</p> <p>TypeofFloods type</p> <p>Provide information on the specific flood types in which Article 13.1.b apply. If no specific flood types have been reported it is assumed that Article 13.1.b is applied to all flood types.</p> <p>FloodEventInformation type FloodLocationsType 0..∞</p> <p>PFRASummaryInformation type</p> <p>CONDITIONALITY: In the case that A13.1.b is applied for a part of the UoM/RBD or for a specific flood type, the summary texts are required.</p>
<p>annotation</p>	<p>documentation Member States may decide not to undertake the preliminary flood risk assessment referred to in Article 4 for those river basins, sub-basins or coastal areas where they have decided, before 22 December 2010, to prepare flood hazard maps and flood risk maps and to establish flood risk management plans in accordance with the relevant provisions of this Directive.</p>

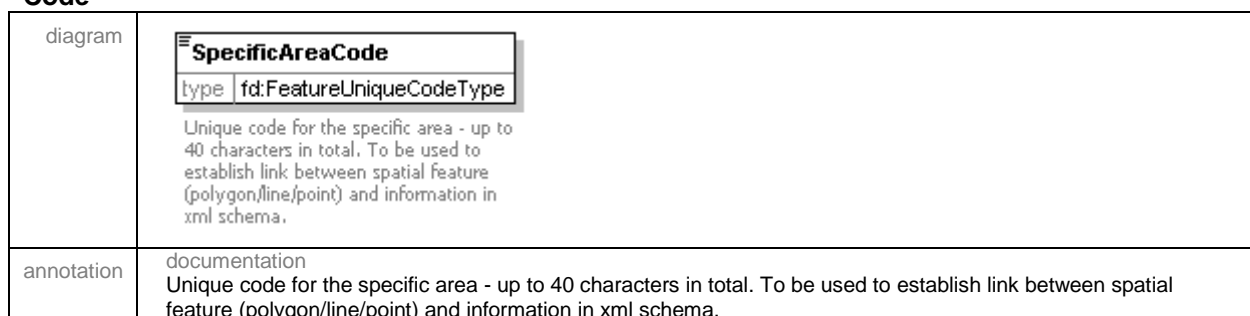
element **PFRA/PFRAInformation/TransitionalMeasuresArt13.1.b/SpecificAreas**

<p>diagram</p>	<p>SpecificAreas type</p> <p>Provide spatial information on the specific areas in which Article 13.1.b apply. If no specific area has been reported it is assumed that Article 13.1.b is applied to the entire UoM.</p> <p>SpecificArea type 1..∞</p>
<p>annotation</p>	<p>documentation Provide spatial information on the specific areas in which Article 13.1.b apply. If no specific area has been reported it is assumed that Article 13.1.b is applied to the entire UoM.</p>

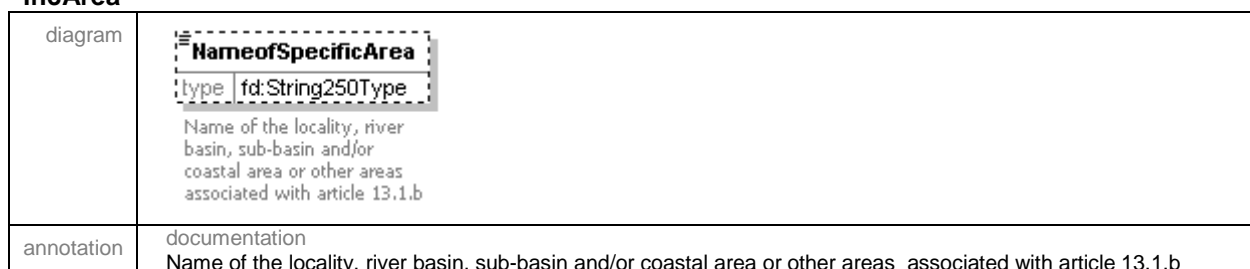
element **PFRA/PFRAInformation/TransitionalMeasuresArt13.1.b/SpecificAreas/SpecificArea**



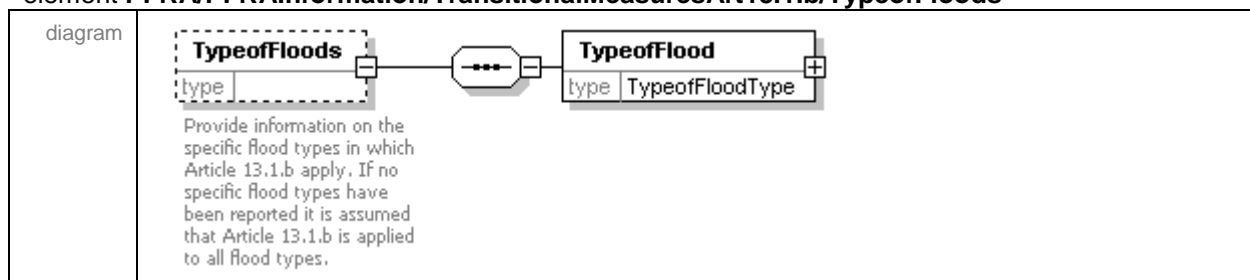
element **PFRA/PFRAInformation/TransitionalMeasuresArt13.1.b/SpecificAreas/SpecificArea/SpecificArea Code**



element **PFRA/PFRAInformation/TransitionalMeasuresArt13.1.b/SpecificAreas/SpecificArea/NameofSpecificArea**

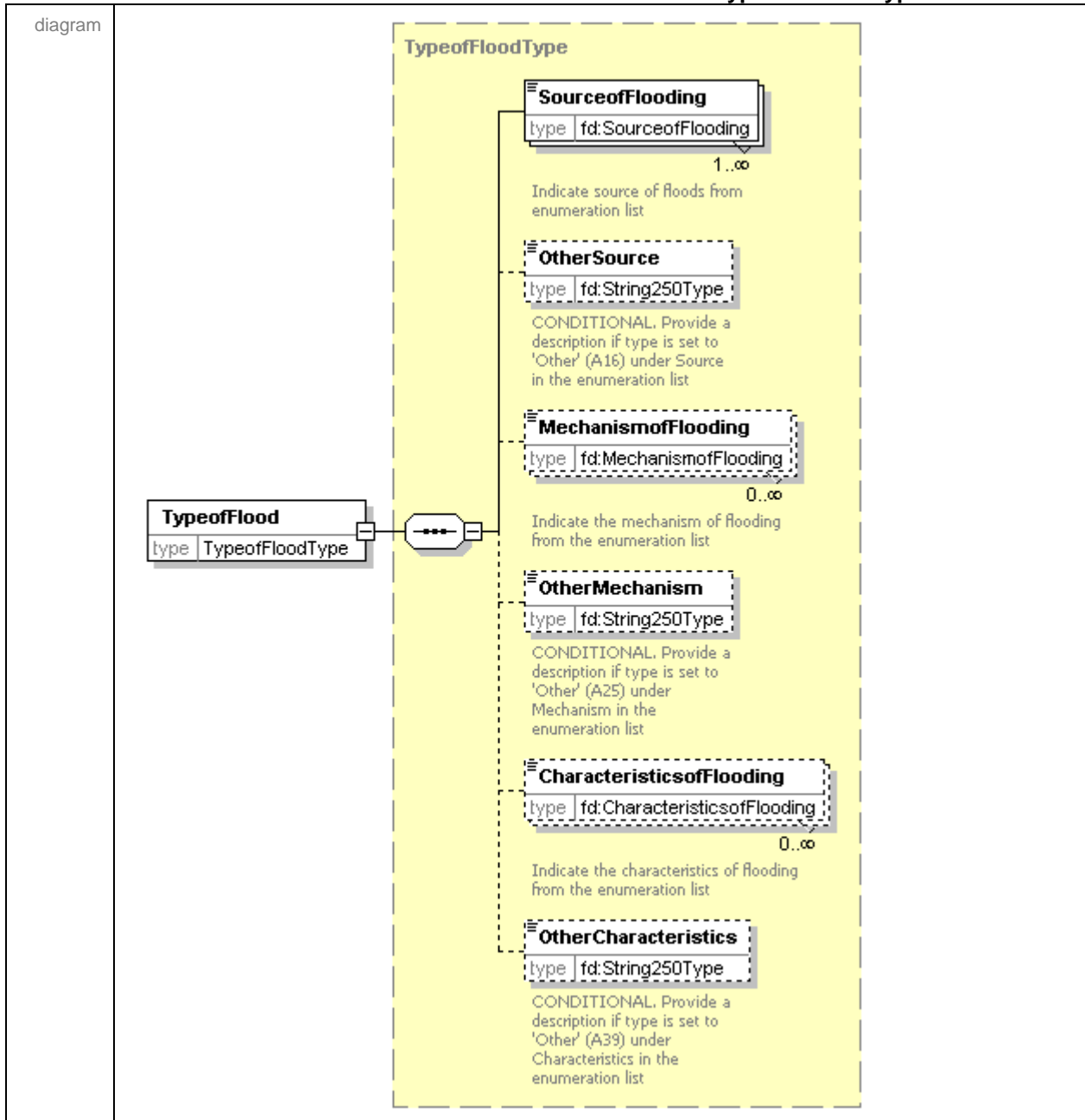


element **PFRA/PFRAInformation/TransitionalMeasuresArt13.1.b/TypeofFloods**

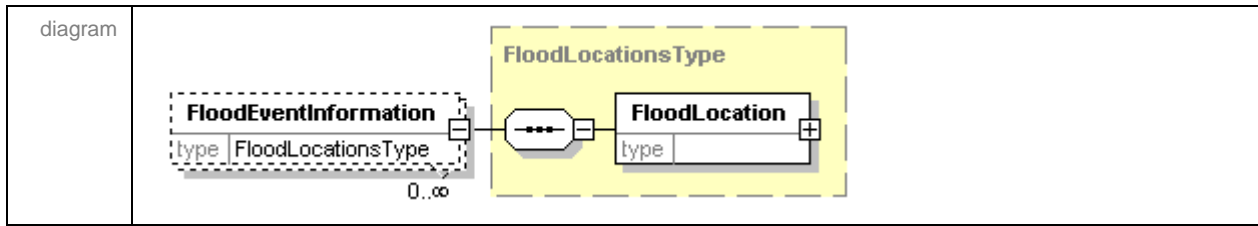


annotation	documentation Provide information on the specific flood types in which Article 13.1.b apply. If no specific flood types have been reported it is assumed that Article 13.1.b is applied to all flood types.
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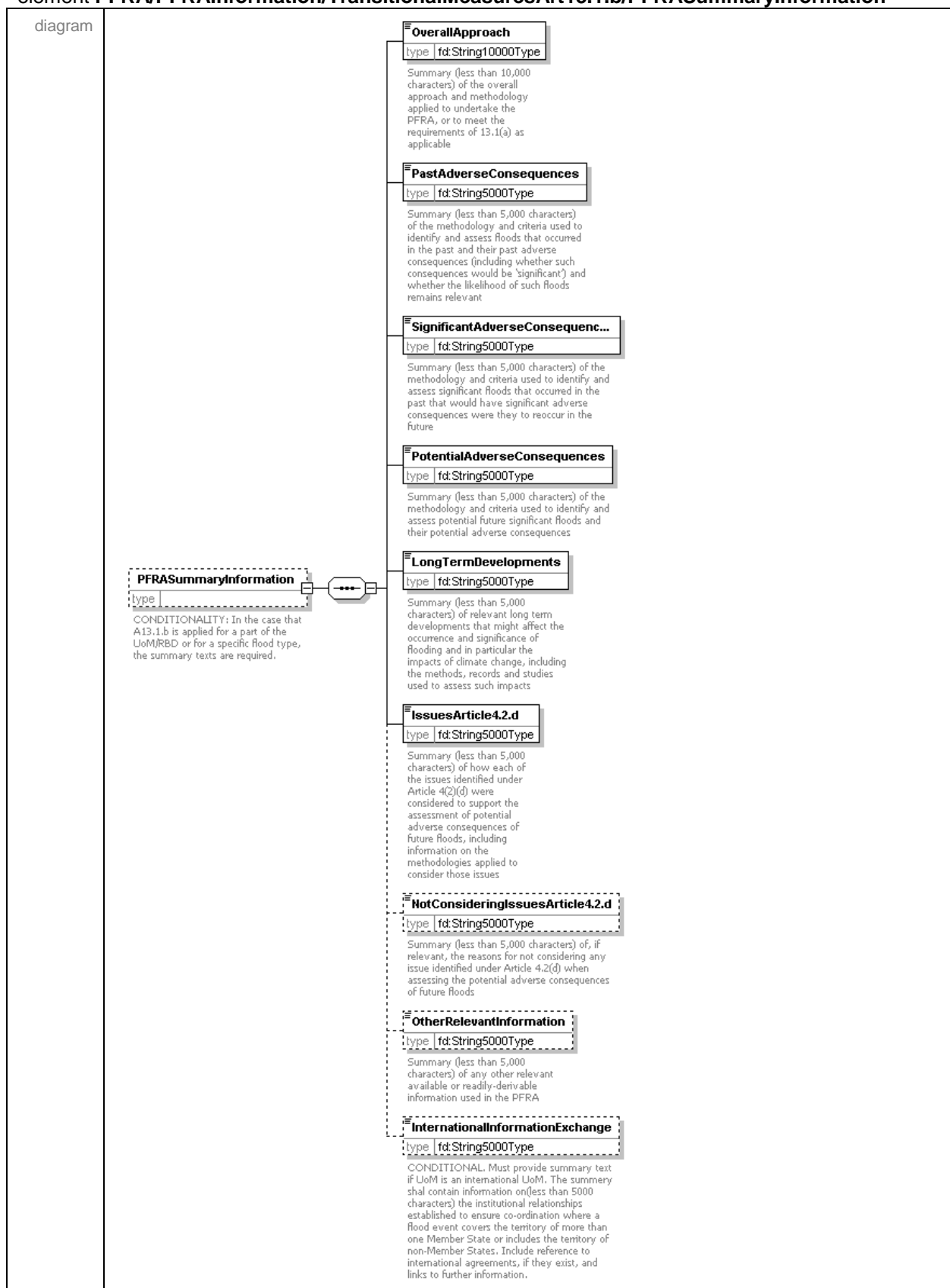
element **PFRA/PFRAInformation/TransitionalMeasuresArt13.1.b/TypeofFloods/TypeofFlood**



element **PFRA/PFRAInformation/TransitionalMeasuresArt13.1.b/FloodEventInformation**



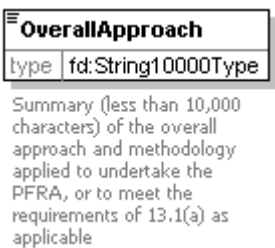
element **PFRA/PFRAInformation/TransitionalMeasuresArt13.1.b/PFRASummaryInformation**



annotation	documentation CONDITIONALITY: In the case that A13.1.b is applied for a part of the UoM/RBD or for a specific flood type, the summary texts are required.
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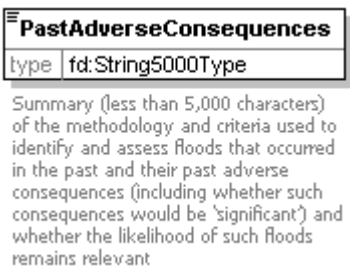
element

PFRA/PFRAInformation/TransitionalMeasuresArt13.1.b/PFRASummaryInformation/OverallApproach

diagram	 <p>Summary (less than 10,000 characters) of the overall approach and methodology applied to undertake the PFRA, or to meet the requirements of 13.1(a) as applicable</p>
annotation	documentation Summary (less than 10,000 characters) of the overall approach and methodology applied to undertake the PFRA, or to meet the requirements of 13.1(a) as applicable

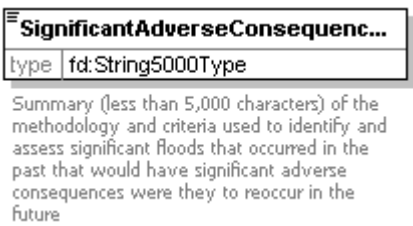
element

PFRA/PFRAInformation/TransitionalMeasuresArt13.1.b/PFRASummaryInformation/PastAdverseConsequences

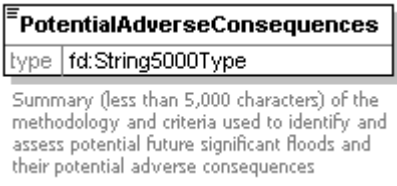
diagram	 <p>Summary (less than 5,000 characters) of the methodology and criteria used to identify and assess floods that occurred in the past and their past adverse consequences (including whether such consequences would be 'significant') and whether the likelihood of such floods remains relevant</p>
annotation	documentation Summary (less than 5,000 characters) of the methodology and criteria used to identify and assess floods that occurred in the past and their past adverse consequences (including whether such consequences would be 'significant') and whether the likelihood of such floods remains relevant

element

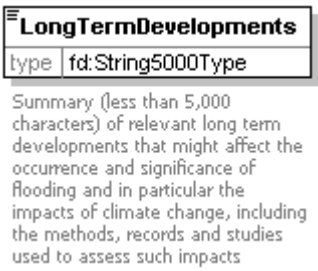
PFRA/PFRAInformation/TransitionalMeasuresArt13.1.b/PFRASummaryInformation/SignificantAdverseConsequences

diagram	 <p>Summary (less than 5,000 characters) of the methodology and criteria used to identify and assess significant floods that occurred in the past that would have significant adverse consequences were they to reoccur in the future</p>
annotation	documentation Summary (less than 5,000 characters) of the methodology and criteria used to identify and assess significant floods that occurred in the past that would have significant adverse consequences were they to reoccur in the future

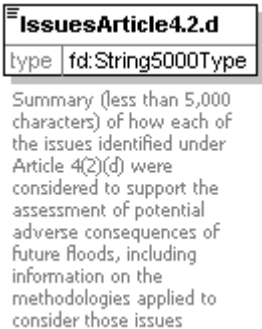
element
PFR/PFRInformation/TransitionalMeasuresArt13.1.b/PFRASummaryInformation/PotentialAdverseConsequences

diagram	 <p>Summary (less than 5,000 characters) of the methodology and criteria used to identify and assess potential future significant floods and their potential adverse consequences</p>
annotation	documentation Summary (less than 5,000 characters) of the methodology and criteria used to identify and assess potential future significant floods and their potential adverse consequences

element
PFR/PFRInformation/TransitionalMeasuresArt13.1.b/PFRASummaryInformation/LongTermDevelopments

diagram	 <p>Summary (less than 5,000 characters) of relevant long term developments that might affect the occurrence and significance of flooding and in particular the impacts of climate change, including the methods, records and studies used to assess such impacts</p>
annotation	documentation Summary (less than 5,000 characters) of relevant long term developments that might affect the occurrence and significance of flooding and in particular the impacts of climate change, including the methods, records and studies used to assess such impacts

element
PFR/PFRInformation/TransitionalMeasuresArt13.1.b/PFRASummaryInformation/IssuesArticle4.2.d

diagram	 <p>Summary (less than 5,000 characters) of how each of the issues identified under Article 4(2)(d) were considered to support the assessment of potential adverse consequences of future floods, including information on the methodologies applied to consider those issues</p>
annotation	documentation Summary (less than 5,000 characters) of how each of the issues identified under Article 4(2)(d) were considered to support the assessment of potential adverse consequences of future floods, including information on the methodologies applied to consider those issues

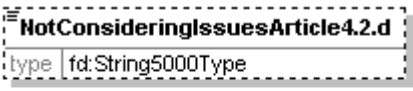
Article 4.2 (d) of the Floods Directive requires that the impacts of climate change and long-term developments on the occurrence of floods should be considered in the Preliminary Flood Risk Assessment, depending on the specific needs of the Member States. Early consideration of climate change and long-term developments will ensure that areas identified as being at

significant flood risk, and hence where flood maps and flood management plans are focused, reflects future flood risk resulting from climate change or other long-term developments.

The Floods Directive (Article 4.2) also identifies a range of specific other issues that should be taken into account in undertaking the Preliminary Flood Risk Assessment. This does not preclude the use of any further other relevant available or readily derivable information by MSs.


element

PFRA/PFRAInformation/TransitionalMeasuresArt13.1.b/PFRASummaryInformation/NotConsideringIssuesArticle4.2.d

diagram	 <p>Summary (less than 5,000 characters) of, if relevant, the reasons for not considering any issue identified under Article 4.2(d) when assessing the potential adverse consequences of future floods</p>
annotation	documentation Summary (less than 5,000 characters) of, if relevant, the reasons for not considering any issue identified under Article 4.2(d) when assessing the potential adverse consequences of future floods

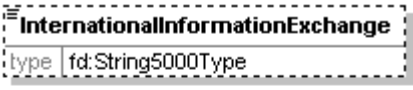
element

PFRA/PFRAInformation/TransitionalMeasuresArt13.1.b/PFRASummaryInformation/OtherRelevantInformation

diagram	 <p>Summary (less than 5,000 characters) of any other relevant available or readily-derivable information used in the PFRA</p>
annotation	documentation Summary (less than 5,000 characters) of any other relevant available or readily-derivable information used in the PFRA

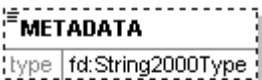
element

PFRA/PFRAInformation/TransitionalMeasuresArt13.1.b/PFRASummaryInformation/InternationalInformationExchange

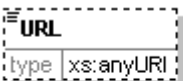
diagram	 <p>CONDITIONAL. Must provide summary text if UoM is an international UoM. The summary shall contain information on (less than 5000 characters) the institutional relationships established to ensure co-ordination where a flood event covers the territory of more than one Member State or includes the territory of non-Member States. Include reference to international agreements, if they exist, and links to further information.</p>
annotation	documentation CONDITIONAL. Must provide summary text if UoM is an international UoM. The summary shall contain information on (less than 5000 characters) the institutional relationships established to ensure co-ordination

	where a flood event covers the territory of more than one Member State or includes the territory of non-Member States. Include reference to international agreements, if they exist, and links to further information.
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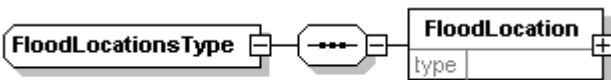
element **PFRA/METADATA**

diagram	 <p>Hyperlink or reference to associated metadata statement or file . This allows up to 2000 characters to be specified or alternatively may be used to provide a hyperlink or description of an associated metadata file. This should be used to define any restrictions on the data</p>
annotation	<p>documentation</p> <p>Hyperlink or reference to associated metadata statement or file . This allows up to 2000 characters to be specified or alternatively may be used to provide a hyperlink or description of an associated metadata file. This should be used to define any restrictions on the data</p>

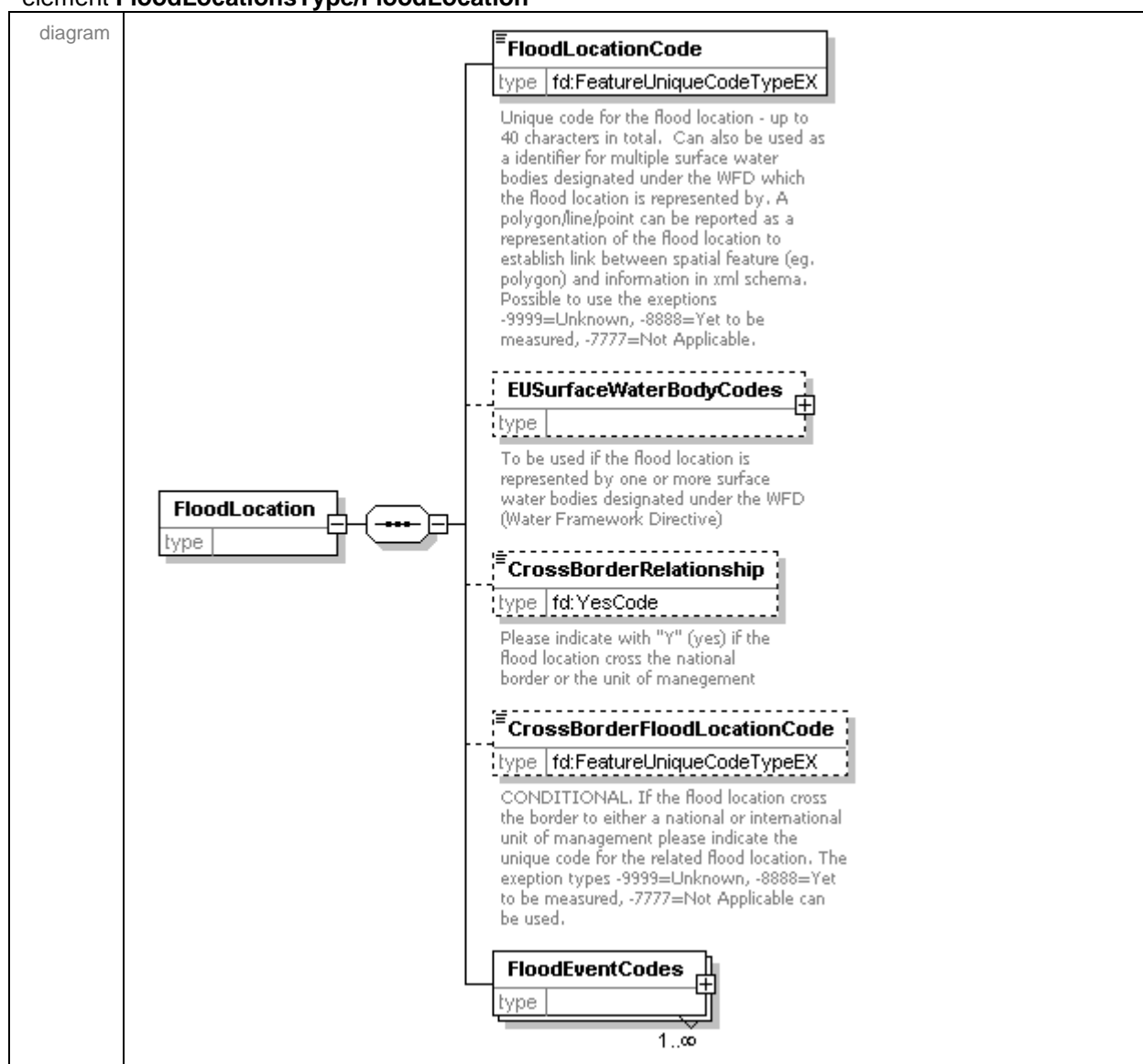
element **PFRA/URL**

diagram	 <p>URL for integration of your own internet-based information</p>
annotation	<p>documentation</p> <p>URL for integration of your own internet-based information</p>

complexType **FloodLocationsType**

diagram	 <p>Structure to define flood locations</p>
annotation	<p>documentation</p> <p>Structure to define flood locations</p>

element **FloodLocationsType/FloodLocation**



element **FloodLocationsType/FloodLocation/FloodLocationCode**

<p>diagram</p>	<p>FloodLocationCode type fd:FeatureUniqueCodeTypeEX</p> <p>Unique code for the flood location - up to 40 characters in total. Can also be used as a identifier for multiple surface water bodies designated under the WFD which the flood location is represented by. A polygon/line/point can be reported as a representation of the flood location to establish link between spatial feature (eg. polygon) and information in xml schema. Possible to use the exeptions -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable.</p>
<p>annotation</p>	<p>documentation Unique code for the flood location - up to 40 characters in total. Can also be used as a identifier for multiple surface water bodies designated under the WFD which the flood location is represented by. A polygon/line/point</p>

	can be reported as a representation of the flood location to establish link between spatial feature (eg. polygon) and information in xml schema. Possible to use the exceptions -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable.
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element **FloodLocationsType/FloodLocation/EUSurfaceWaterBodyCodes**

diagram	<p>To be used if the flood location is represented by one or more surface water bodies designated under the WFD (Water Framework Directive)</p> <p>Unique code for the Water Body used under the WFD. If the EUSurfaceWaterBodyCode is reported as a representation of the flood location no spatial data needs to be reported as this information is already reported under the WFD.</p>
annotation	documentation To be used if the flood location is represented by one or more surface water bodies designated under the WFD (Water Framework Directive)

element **FloodLocationsType/FloodLocation/EUSurfaceWaterBodyCodes/EUSurfaceWaterBodyCode**

diagram	<p>Unique code for the Water Body used under the WFD. If the EUSurfaceWaterBodyCode is reported as a representation of the flood location no spatial data needs to be reported as this information is already reported under the WFD.</p>
annotation	documentation Unique code for the Water Body used under the WFD. If the EUSurfaceWaterBodyCode is reported as a representation of the flood location no spatial data needs to be reported as this information is already reported under the WFD.

element **FloodLocationsType/FloodLocation/CrossBorderRelationship**

diagram	<p>Please indicate with "Y" (yes) if the flood location cross the national border or the unit of management</p>									
facets	<table border="0"> <tr> <td>Kind</td> <td>Value</td> <td>annotation</td> </tr> <tr> <td>enumeration</td> <td>Y</td> <td></td> </tr> <tr> <td>enumeration</td> <td></td> <td></td> </tr> </table>	Kind	Value	annotation	enumeration	Y		enumeration		
Kind	Value	annotation								
enumeration	Y									
enumeration										
annotation	documentation Please indicate with "Y" (yes) if the flood location cross the national border or the unit of management									

element **FloodLocationsType/FloodLocation/CrossBorderFloodLocationCode**

<p>diagram</p>	<div style="border: 1px dashed black; padding: 5px;"> <p>CrossBorderFloodLocationCode</p> <p>type fd:FeatureUniqueCodeTypeEX</p> </div> <p>CONDITIONAL. If the flood location cross the border to either a national or international unit of management please indicate the unique code for the related flood location. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
<p>annotation</p>	<p>documentation</p> <p>CONDITIONAL. If the flood location cross the border to either a national or international unit of management please indicate the unique code for the related flood location. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>

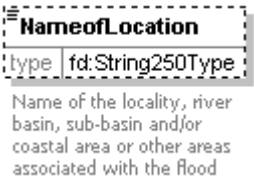
element **FloodLocationsType/FloodLocation/FloodEventCodes**

<p>diagram</p>	<p>FloodEventCode</p> <p>type fd:FeatureUniqueCodeType</p> <p>Unique code for the flood event - up to 40 characters in total.</p> <p>NameofLocation</p> <p>type fd:String250Type</p> <p>Name of the locality, river basin, sub-basin and/or coastal area or other areas associated with the flood</p> <p>FloodData</p> <p>type +</p> <p>FloodNoData</p> <p>type +</p> <p>In case Flood Information is not available or readily derivable for past floods that occurred before 22.12.2011, a summary text with description shall be provided for each event</p>
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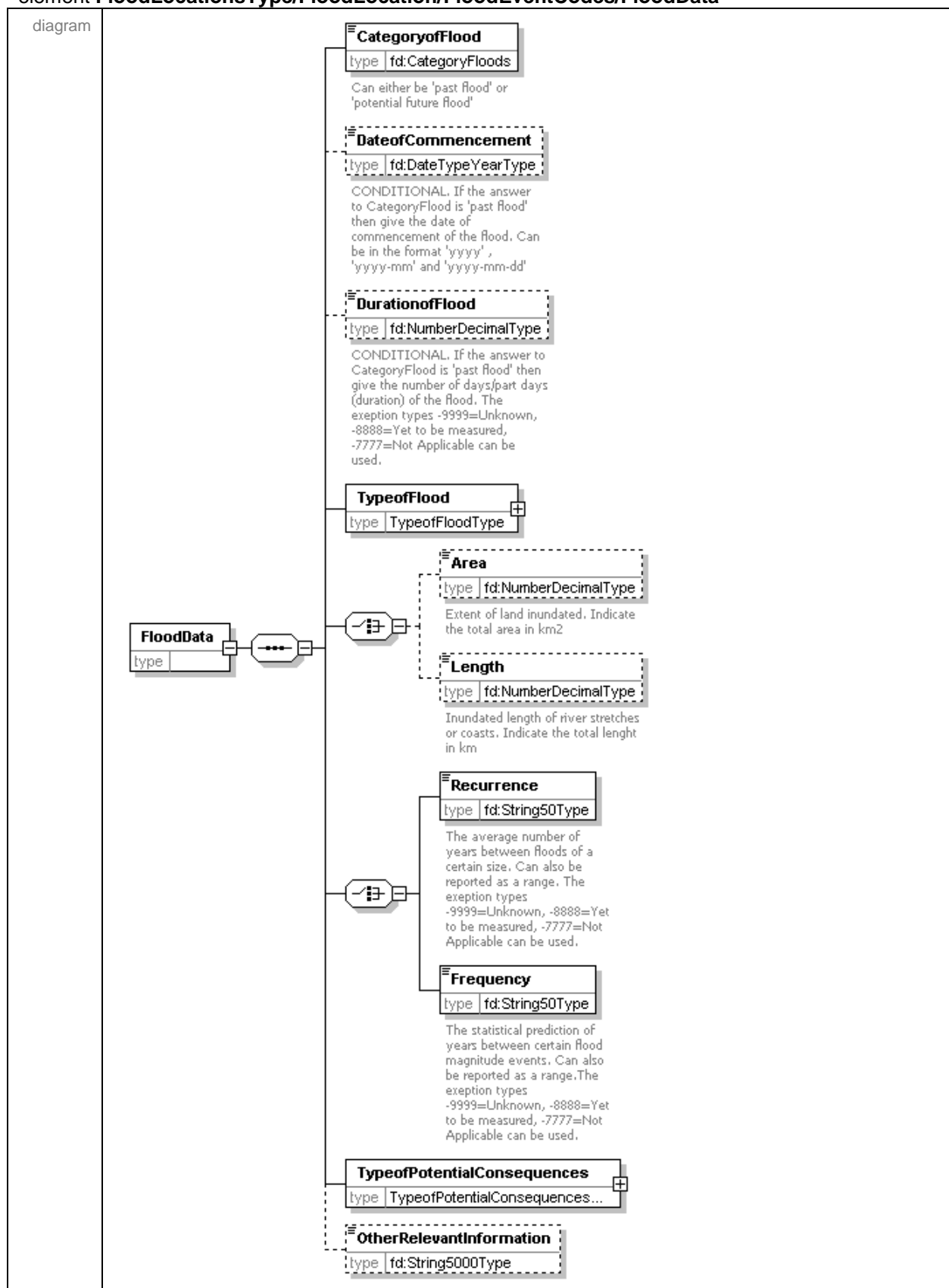
element **FloodLocationsType/FloodLocation/FloodEventCodes/FloodEventCode**

<p>diagram</p>	<div style="border: 1px solid black; padding: 5px;"> <p>FloodEventCode</p> <p>type fd:FeatureUniqueCodeType</p> <p>Unique code for the flood event - up to 40 characters in total.</p> </div>
<p>annotation</p>	<p>documentation</p> <p>Unique code for the flood event - up to 40 characters in total.</p>

element **FloodLocationsType/FloodLocation/FloodEventCodes/NameofLocation**

<p>diagram</p>	
<p>annotation</p>	<p>documentation Name of the locality, river basin, sub-basin and/or coastal area or other areas associated with the flood</p>

element **FloodLocationsType/FloodLocation/FloodEventCodes/FloodData**



element **FloodLocationsType/FloodLocation/FloodEventCodes/FloodData/CategoryofFlood**

diagram	<p>Can either be 'past flood' or 'potential future flood'</p>									
facets	<table border="0"> <tr> <td>Kind</td> <td>Value</td> <td>annotation</td> </tr> <tr> <td>enumeration</td> <td>past</td> <td></td> </tr> <tr> <td>enumeration</td> <td>future</td> <td></td> </tr> </table>	Kind	Value	annotation	enumeration	past		enumeration	future	
Kind	Value	annotation								
enumeration	past									
enumeration	future									
annotation	<p>documentation Can either be 'past flood' or 'potential future flood'</p>									

element

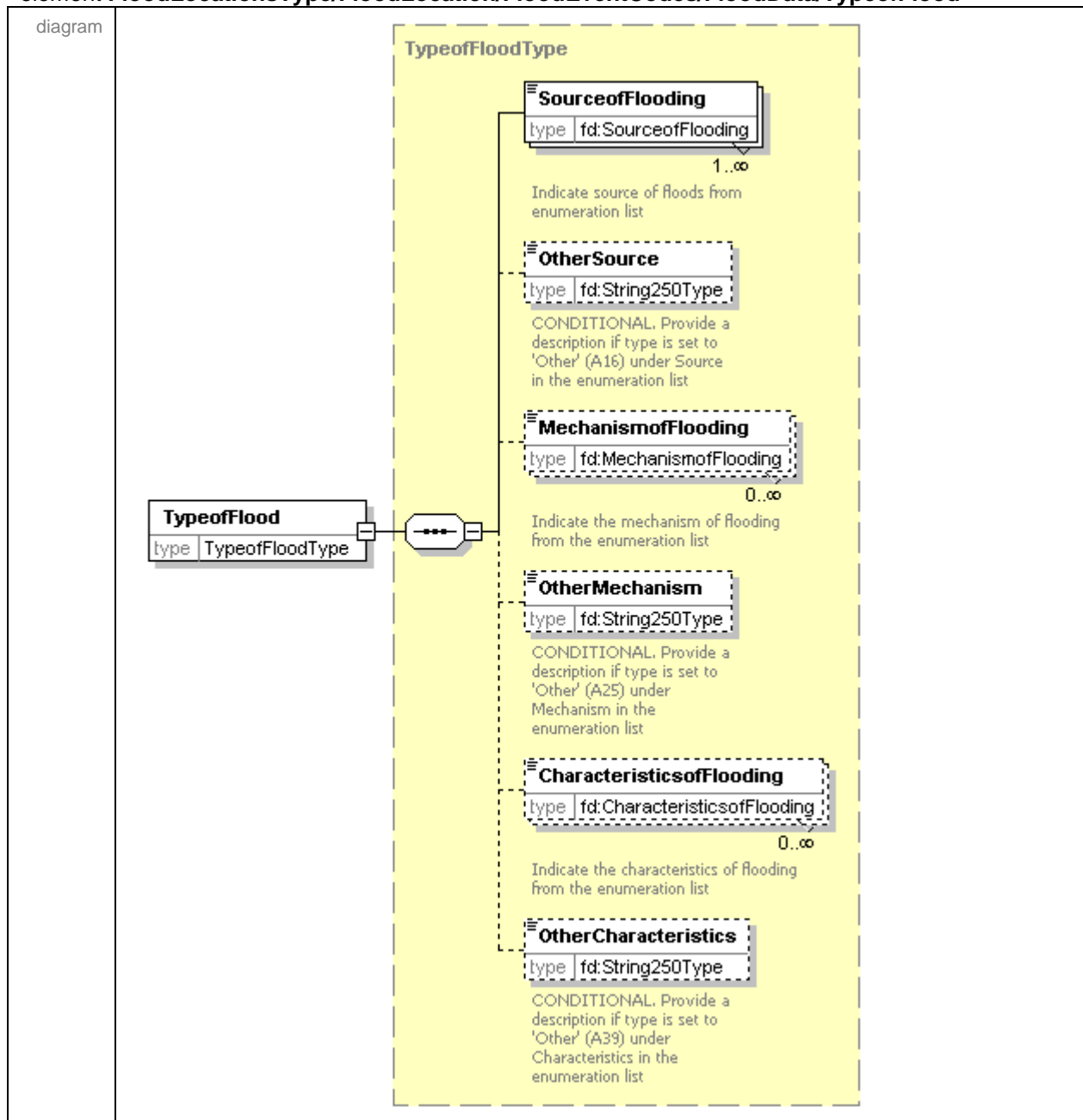
FloodLocationsType/FloodLocation/FloodEventCodes/FloodData/DateofCommencement

diagram	<p>CONDITIONAL. If the answer to CategoryFlood is 'past flood' then give the date of commencement of the flood. Can be in the format 'yyyy', 'yyyy-mm' and 'yyyy-mm-dd'</p>
annotation	<p>documentation CONDITIONAL. If the answer to CategoryFlood is 'past flood' then give the date of commencement of the flood. Can be in the format 'yyyy', 'yyyy-mm' and 'yyyy-mm-dd'</p>

element **FloodLocationsType/FloodLocation/FloodEventCodes/FloodData/DurationofFlood**

diagram	<p>CONDITIONAL. If the answer to CategoryFlood is 'past flood' then give the number of days/part days (duration) of the flood. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
annotation	<p>documentation CONDITIONAL. If the answer to CategoryFlood is 'past flood' then give the number of days/part days (duration) of the flood. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>

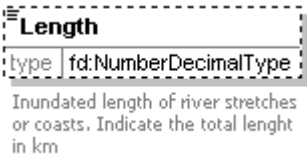
element **FloodLocationsType/FloodLocation/FloodEventCodes/FloodData/TypeofFlood**




element **FloodLocationsType/FloodLocation/FloodEventCodes/FloodData/Area**

diagram	<p>Area type fd:NumberDecimalType Extent of land inundated. Indicate the total area in km2</p>
annotation	documentation Extent of land inundated. Indicate the total area in km2

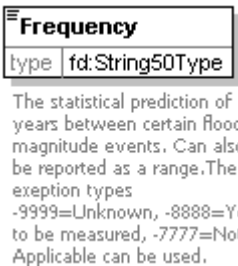
element **FloodLocationsType/FloodLocation/FloodEventCodes/FloodData/Length**

diagram	 <p>Inundated length of river stretches or coasts. Indicate the total length in km</p>
annotation	documentation Inundated length of river stretches or coasts. Indicate the total length in km

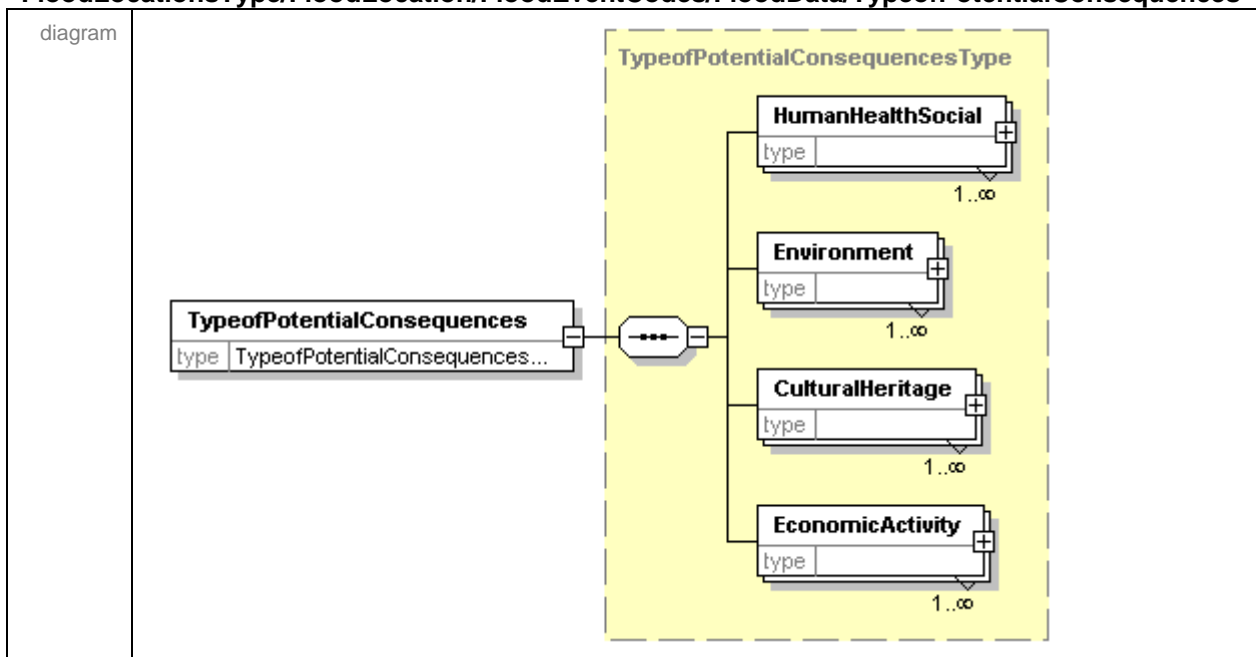
element **FloodLocationsType/FloodLocation/FloodEventCodes/FloodData/Recurrence**

diagram	 <p>The average number of years between floods of a certain size. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
annotation	documentation The average number of years between floods of a certain size. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.

element **FloodLocationsType/FloodLocation/FloodEventCodes/FloodData/Frequency**

diagram	 <p>The statistical prediction of years between certain flood magnitude events. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
annotation	documentation The statistical prediction of years between certain flood magnitude events. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.

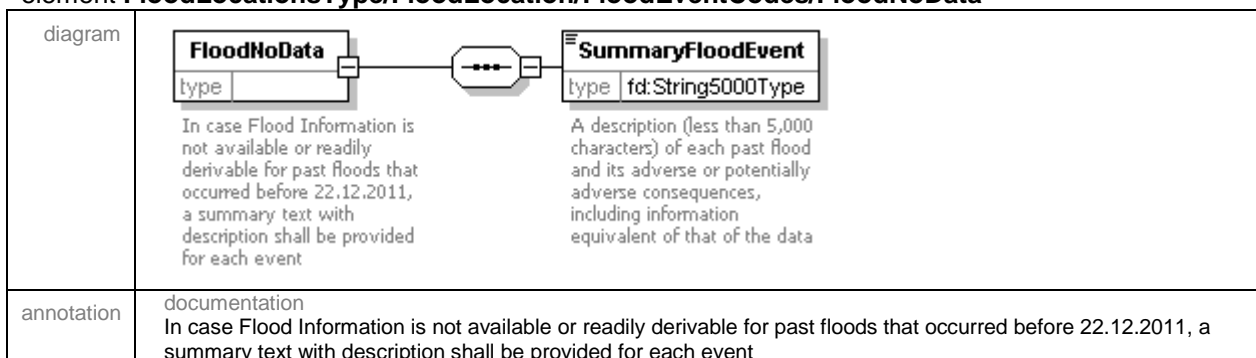
element
FloodLocationsType/FloodLocation/FloodEventCodes/FloodData/TypeofPotentialConsequences



element
FloodLocationsType/FloodLocation/FloodEventCodes/FloodData/OtherRelevantInformation




element **FloodLocationsType/FloodLocation/FloodEventCodes/FloodNoData**

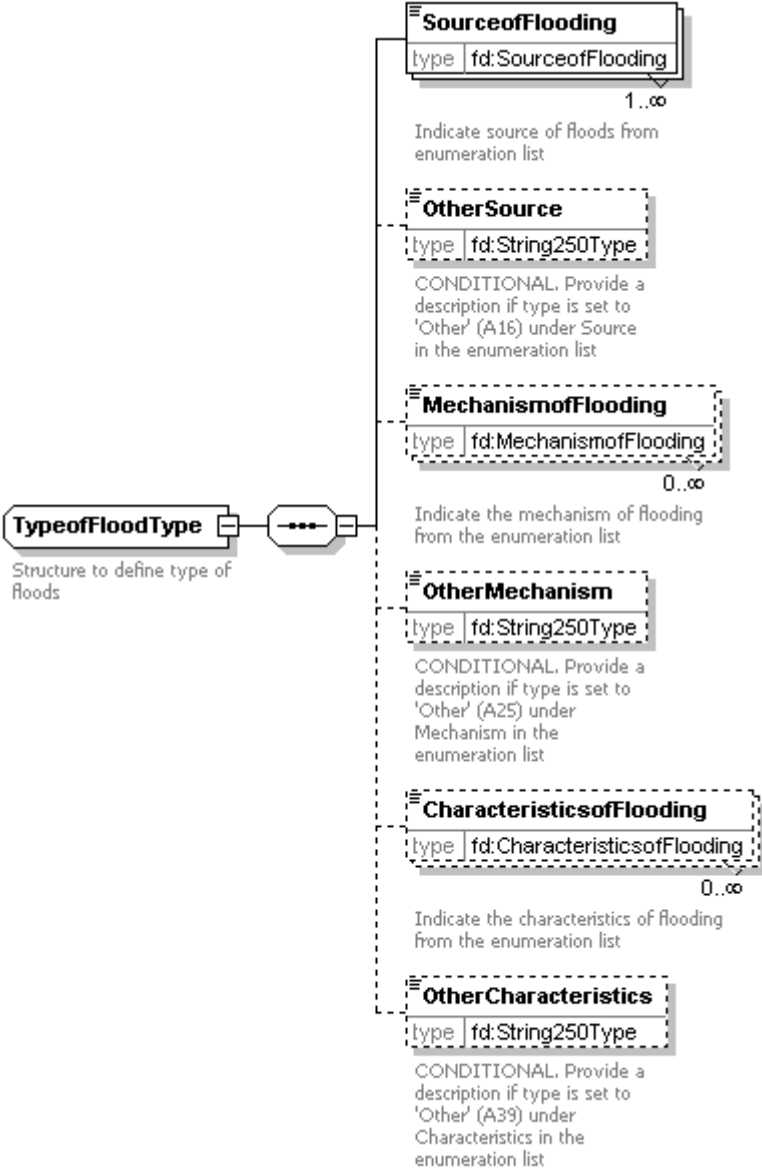


element


FloodLocationsType/FloodLocation/FloodEventCodes/FloodNoData/SummaryFloodEvent

<p>diagram</p>	 <p>SummaryFloodEvent type fd:String5000Type</p> <p>A description (less than 5,000 characters) of each past flood and its adverse or potentially adverse consequences, including information equivalent of that of the data</p>
<p>annotation</p>	<p>documentation A description (less than 5,000 characters) of each past flood and its adverse or potentially adverse consequences, including information equivalent of that of the data</p>

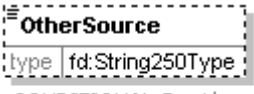
complexType **TypeofFloodType**

<p>diagram</p>	 <p>TypeofFloodType Structure to define type of floods</p> <p>SourceofFlooding type fd:SourceofFlooding 1..∞ Indicate source of floods from enumeration list</p> <p>OtherSource type fd:String250Type CONDITIONAL. Provide a description if type is set to 'Other' (A16) under Source in the enumeration list</p> <p>MechanismofFlooding type fd:MechanismofFlooding 0..∞ Indicate the mechanism of flooding from the enumeration list</p> <p>OtherMechanism type fd:String250Type CONDITIONAL. Provide a description if type is set to 'Other' (A25) under Mechanism in the enumeration list</p> <p>CharacteristicsofFlooding type fd:CharacteristicsofFlooding 0..∞ Indicate the characteristics of flooding from the enumeration list</p> <p>OtherCharacteristics type fd:String250Type CONDITIONAL. Provide a description if type is set to 'Other' (A39) under Characteristics in the enumeration list</p>
<p>annotation</p>	<p>documentation Structure to define type of floods</p>


element **TypeofFloodType/SourceofFlooding**

diagram	 <p>Indicate source of floods from enumeration list</p>																								
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>A11</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A12</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A13</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A14</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A15</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A16</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A17</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	A11		enumeration	A12		enumeration	A13		enumeration	A14		enumeration	A15		enumeration	A16		enumeration	A17	
Kind	Value	annotation																							
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enumeration	A15																								
enumeration	A16																								
enumeration	A17																								
annotation	<p>documentation Indicate source of floods from enumeration list</p>																								

element **TypeofFloodType/OtherSource**

diagram	 <p>CONDITIONAL. Provide a description if type is set to 'Other' (A16) under Source in the enumeration list</p>
annotation	<p>documentation CONDITIONAL. Provide a description if type is set to 'Other' (A16) under Source in the enumeration list</p>

element **TypeofFloodType/MechanismofFlooding**

diagram	 <p>Indicate the mechanism of flooding from the enumeration list</p>																					
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>A21</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A22</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A23</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A24</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A25</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A26</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	A21		enumeration	A22		enumeration	A23		enumeration	A24		enumeration	A25		enumeration	A26	
Kind	Value	annotation																				
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enumeration	A24																					
enumeration	A25																					
enumeration	A26																					
annotation	<p>documentation Indicate the mechanism of flooding from the enumeration list</p>																					

element **TypeofFloodType/OtherMechanism**

diagram	
annotation	documentation CONDITIONAL. Provide a description if type is set to 'Other' (A25) under Mechanism in the enumeration list

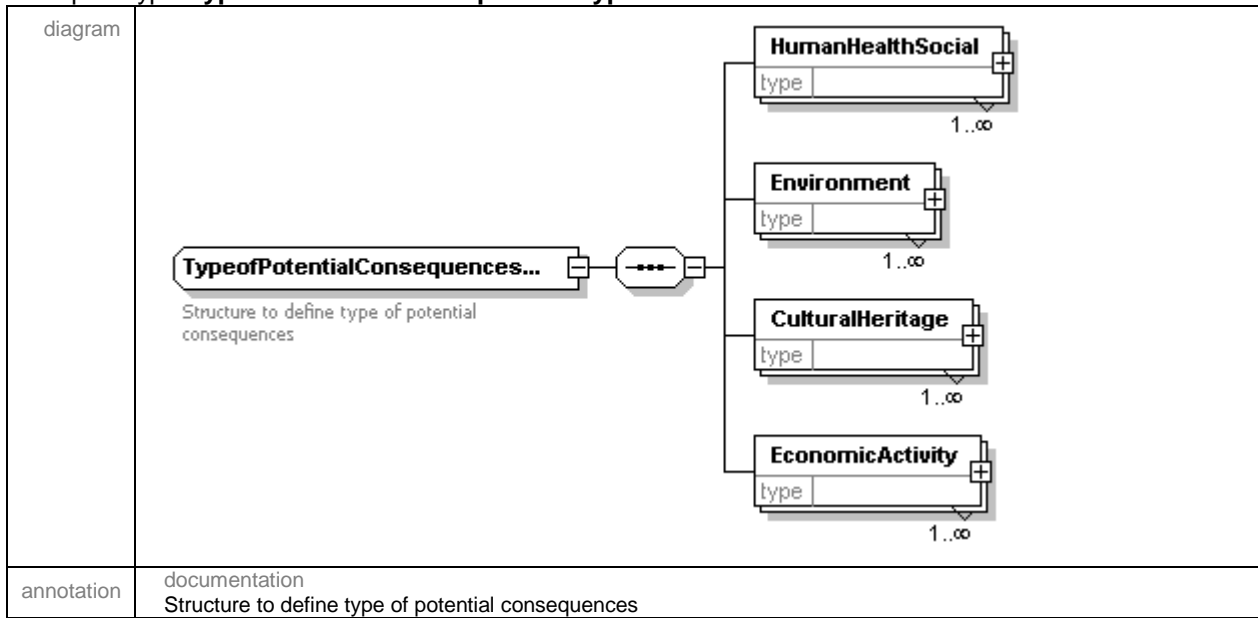
element **TypeofFloodType/CharacteristicsofFlooding**

diagram																																		
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr><td>enumeration</td><td>A31</td><td></td></tr> <tr><td>enumeration</td><td>A32</td><td></td></tr> <tr><td>enumeration</td><td>A33</td><td></td></tr> <tr><td>enumeration</td><td>A34</td><td></td></tr> <tr><td>enumeration</td><td>A35</td><td></td></tr> <tr><td>enumeration</td><td>A36</td><td></td></tr> <tr><td>enumeration</td><td>A37</td><td></td></tr> <tr><td>enumeration</td><td>A38</td><td></td></tr> <tr><td>enumeration</td><td>A39</td><td></td></tr> <tr><td>enumeration</td><td>A40</td><td></td></tr> </tbody> </table>	Kind	Value	annotation	enumeration	A31		enumeration	A32		enumeration	A33		enumeration	A34		enumeration	A35		enumeration	A36		enumeration	A37		enumeration	A38		enumeration	A39		enumeration	A40	
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enumeration	A39																																	
enumeration	A40																																	
annotation	documentation Indicate the characteristics of flooding from the enumeration list																																	

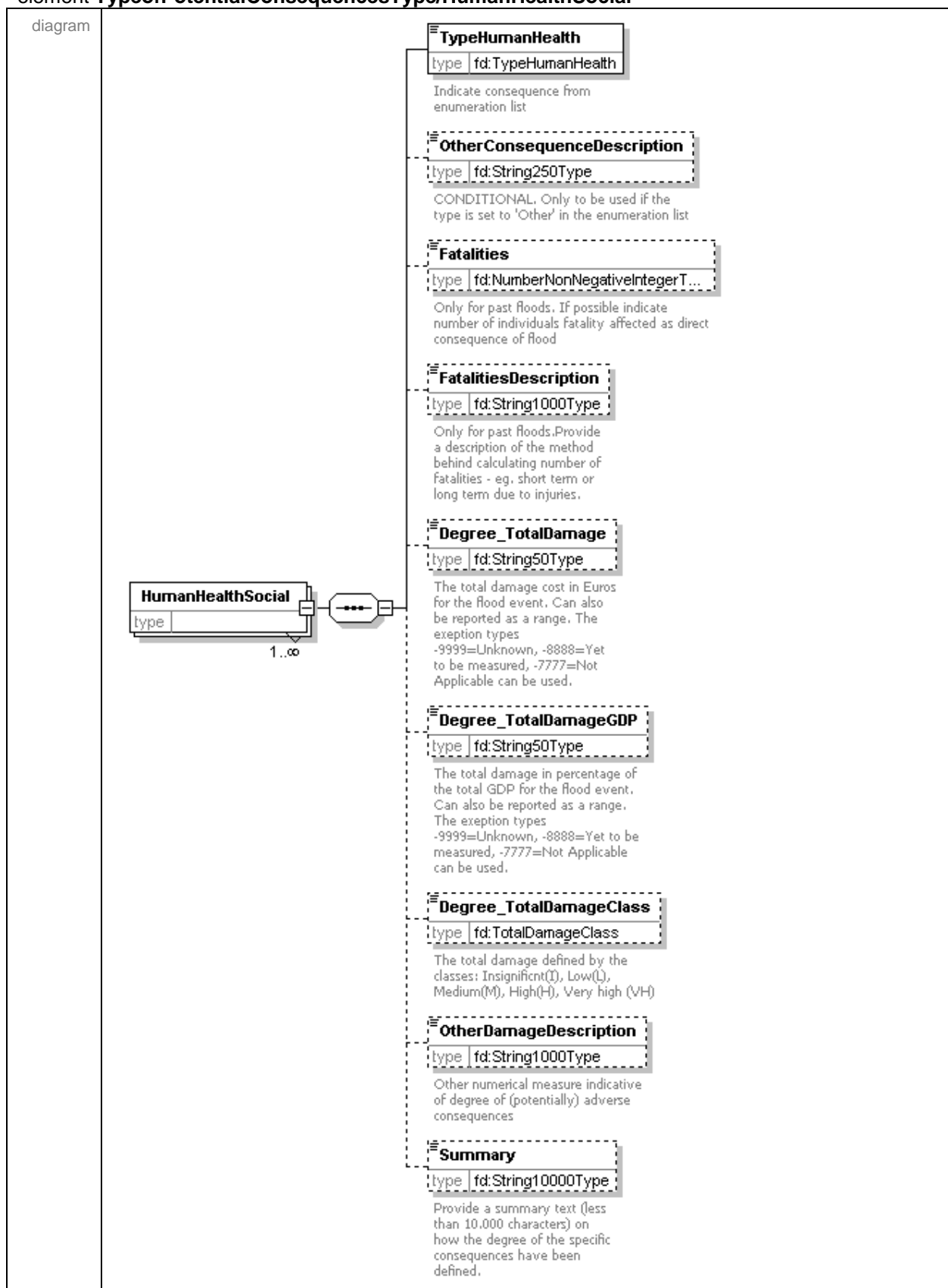
element **TypeofFloodType/OtherCharacteristics**

diagram	
annotation	documentation CONDITIONAL. Provide a description if type is set to 'Other' (A39) under Characteristics in the enumeration list


complexType **TypeofPotentialConsequencesType**



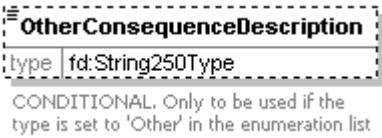
element **TypeofPotentialConsequencesType/HumanHealthSocial**



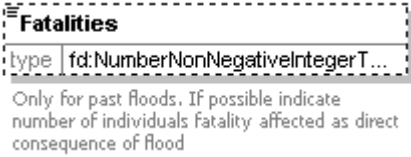
element **TypeofPotentialConsequencesType/HumanHealthSocial/TypeHumanHealth**

diagram	 <p>Indicate consequence from enumeration list</p>																		
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>B10</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B11</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B12</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B13</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B14</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	B10		enumeration	B11		enumeration	B12		enumeration	B13		enumeration	B14	
Kind	Value	annotation																	
enumeration	B10																		
enumeration	B11																		
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enumeration	B13																		
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annotation	<p>documentation</p> <p>Indicate consequence from enumeration list</p>																		

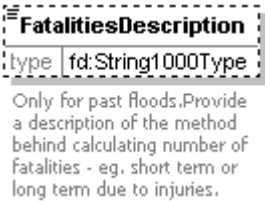
element **TypeofPotentialConsequencesType/HumanHealthSocial/OtherConsequenceDescription**

diagram	 <p>CONDITIONAL. Only to be used if the type is set to 'Other' in the enumeration list</p>
annotation	<p>documentation</p> <p>CONDITIONAL. Only to be used if the type is set to 'Other' in the enumeration list</p>

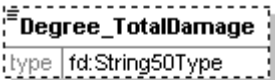
element **TypeofPotentialConsequencesType/HumanHealthSocial/Fatalities**

diagram	 <p>Only for past floods. If possible indicate number of individuals fatality affected as direct consequence of flood</p>
annotation	<p>documentation</p> <p>Only for past floods. If possible indicate number of individuals fatality affected as direct consequence of flood</p>


element **TypeofPotentialConsequencesType/HumanHealthSocial/FatalitiesDescription**

diagram	 <p>Only for past floods. Provide a description of the method behind calculating number of fatalities - eg. short term or long term due to injuries.</p>
annotation	<p>documentation</p> <p>Only for past floods. Provide a description of the method behind calculating number of fatalities - eg. short term or long term due to injuries.</p>


element **TypeofPotentialConsequencesType/HumanHealthSocial/Degree_TotalDamage**

diagram	 <p>The total damage cost in Euros for the flood event. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
annotation	documentation The total damage cost in Euros for the flood event. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.

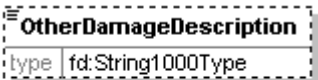
element **TypeofPotentialConsequencesType/HumanHealthSocial/Degree_TotalDamageGDP**

diagram	 <p>The total damage in percentage of the total GDP for the flood event. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
annotation	documentation The total damage in percentage of the total GDP for the flood event. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.

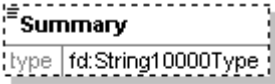
element **TypeofPotentialConsequencesType/HumanHealthSocial/Degree_TotalDamageClass**

diagram	 <p>The total damage defined by the classes: Insignificant(I), Low(L), Medium(M), High(H), Very high (VH)</p>																		
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>I</td> <td></td> </tr> <tr> <td>enumeration</td> <td>L</td> <td></td> </tr> <tr> <td>enumeration</td> <td>M</td> <td></td> </tr> <tr> <td>enumeration</td> <td>H</td> <td></td> </tr> <tr> <td>enumeration</td> <td>VH</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	I		enumeration	L		enumeration	M		enumeration	H		enumeration	VH	
Kind	Value	annotation																	
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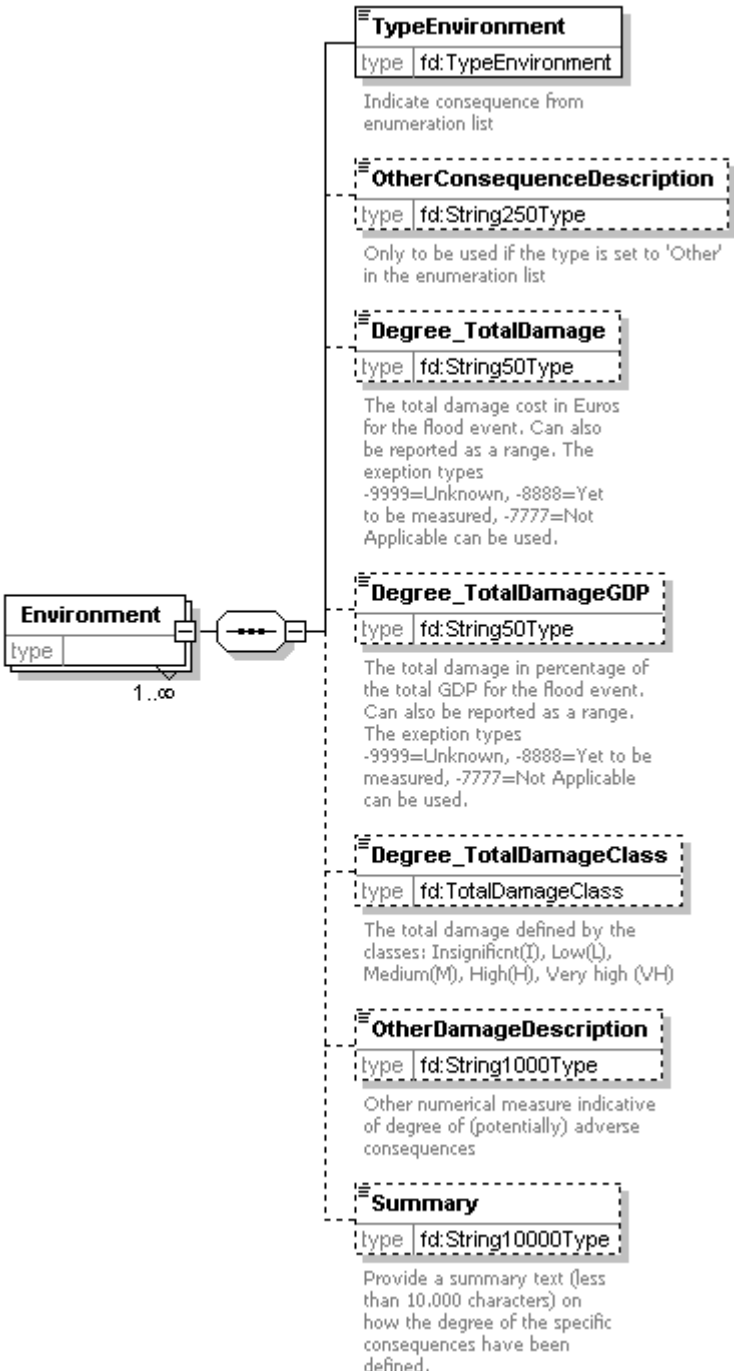
element **TypeofPotentialConsequencesType/HumanHealthSocial/OtherDamageDescription**

diagram	 <p>Other numerical measure indicative of degree of (potentially) adverse consequences</p>
annotation	documentation Other numerical measure indicative of degree of (potentially) adverse consequences


element **TypeofPotentialConsequencesType/HumanHealthSocial/Summary**

<p>diagram</p>	 <p>The diagram shows a dashed box containing the word "Summary" in bold. Below it, a smaller box contains the text "type fd:String10000Type".</p> <p>Provide a summary text (less than 10,000 characters) on how the degree of the specific consequences have been defined.</p>
<p>annotation</p>	<p>documentation Provide a summary text (less than 10,000 characters) on how the degree of the specific consequences have been defined.</p>

element **TypeofPotentialConsequencesType/Environment**

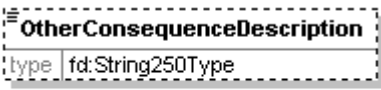
<p>diagram</p>	 <p>TypeEnvironment type fd:TypeEnvironment Indicate consequence from enumeration list</p> <p>OtherConsequenceDescription type fd:String250Type Only to be used if the type is set to 'Other' in the enumeration list</p> <p>Degree_TotalDamage type fd:String50Type The total damage cost in Euros for the flood event. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p> <p>Degree_TotalDamageGDP type fd:String50Type The total damage in percentage of the total GDP for the flood event. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p> <p>Degree_TotalDamageClass type fd:TotalDamageClass The total damage defined by the classes: Insignificant(I), Low(L), Medium(M), High(H), Very high (VH)</p> <p>OtherDamageDescription type fd:String1000Type Other numerical measure indicative of degree of (potentially) adverse consequences</p> <p>Summary type fd:String10000Type Provide a summary text (less than 10.000 characters) on how the degree of the specific consequences have been defined.</p>
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element **TypeofPotentialConsequencesType/Environment/TypeEnvironment**

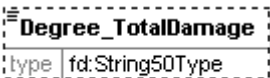
<p>diagram</p>	 <p>TypeEnvironment type fd:TypeEnvironment Indicate consequence from enumeration list</p>
<p>facets</p>	<p>Kind Value annotation</p>

	enumeration B20 enumeration B20 enumeration B21 enumeration B22 enumeration B23 enumeration B24 enumeration B25
annotation	documentation Indicate consequence from enumeration list


element **TypeofPotentialConsequencesType/Environment/OtherConsequenceDescription**

diagram	 <p>Only to be used if the type is set to 'Other' in the enumeration list</p>
annotation	documentation Only to be used if the type is set to 'Other' in the enumeration list


element **TypeofPotentialConsequencesType/Environment/Degree_TotalDamage**

diagram	 <p>The total damage cost in Euros for the flood event. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
annotation	documentation The total damage cost in Euros for the flood event. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.


element **TypeofPotentialConsequencesType/Environment/Degree_TotalDamageGDP**

diagram	 <p>The total damage in percentage of the total GDP for the flood event. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
annotation	documentation The total damage in percentage of the total GDP for the flood event. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.

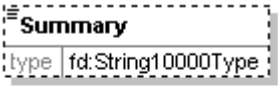
element **TypeofPotentialConsequencesType/Environment/Degree_TotalDamageClass**

diagram	 <p>The total damage defined by the classes: Insignificant(I), Low(L), Medium(M), High(H), Very high (VH)</p>																		
facets	<table border="0"> <tr> <td>Kind</td> <td>Value</td> <td>annotation</td> </tr> <tr> <td>enumeration</td> <td>I</td> <td></td> </tr> <tr> <td>enumeration</td> <td>L</td> <td></td> </tr> <tr> <td>enumeration</td> <td>M</td> <td></td> </tr> <tr> <td>enumeration</td> <td>H</td> <td></td> </tr> <tr> <td>enumeration</td> <td>VH</td> <td></td> </tr> </table>	Kind	Value	annotation	enumeration	I		enumeration	L		enumeration	M		enumeration	H		enumeration	VH	
Kind	Value	annotation																	
enumeration	I																		
enumeration	L																		
enumeration	M																		
enumeration	H																		
enumeration	VH																		
annotation	<p>documentation</p> <p>The total damage defined by the classes: Insignificant(I), Low(L), Medium(M), High(H), Very high (VH)</p>																		

element **TypeofPotentialConsequencesType/Environment/OtherDamageDescription**

diagram	 <p>Other numerical measure indicative of degree of (potentially) adverse consequences</p>
annotation	<p>documentation</p> <p>Other numerical measure indicative of degree of (potentially) adverse consequences</p>

element **TypeofPotentialConsequencesType/Environment/Summary**

diagram	 <p>Provide a summary text (less than 10,000 characters) on how the degree of the specific consequences have been defined.</p>
annotation	<p>documentation</p> <p>Provide a summary text (less than 10.000 characters) on how the degree of the specific consequences have been defined.</p>

element **TypeofPotentialConsequencesType/CulturalHeritage**

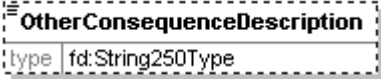
diagram	
	<p>TypeCulturalHeritage type fd:TypeCulturalHeritage Indicate consequence from enumeration list</p> <p>OtherConsequenceDescription type fd:String250Type Only to be used if the type is set to 'Other' in the enumeration list</p> <p>Degree_TotalDamage type fd:String50Type The total damage cost in Euros for the flood event. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p> <p>Degree_TotalDamageGDP type fd:String50Type The total damage in percentage of the total GDP for the flood event. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p> <p>Degree_TotalDamageClass type fd:TotalDamageClass The total damage defined by the classes: Insignifcant(I), Low(L), Medium(M), High(H), Very high (VH)</p> <p>OtherDamageDescription type fd:String1000Type Other numerical measure indicative of degree of (potentially) adverse consequences</p> <p>Summary type fd:String10000Type Provide a summary text (less than 10,000 characters) on how the degree of the specific consequences have been defined.</p>

element **TypeofPotentialConsequencesType/CulturalHeritage/TypeCulturalHeritage**

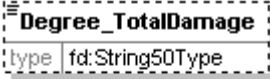
diagram	<p>TypeCulturalHeritage type fd:TypeCulturalHeritage Indicate consequence from enumeration list</p>
facets	Kind Value annotation

	<p>enumeration B30</p> <p>enumeration B31</p> <p>enumeration B32</p> <p>enumeration B33</p> <p>enumeration B34</p>
annotation	<p>documentation</p> <p>Indicate consequence from enumeration list</p>


element **TypeofPotentialConsequencesType/CulturalHeritage/OtherConsequenceDescription**

diagram	 <p>Only to be used if the type is set to 'Other' in the enumeration list</p>
annotation	<p>documentation</p> <p>Only to be used if the type is set to 'Other' in the enumeration list</p>


element **TypeofPotentialConsequencesType/CulturalHeritage/Degree_TotalDamage**

diagram	 <p>The total damage cost in Euros for the flood event. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
annotation	<p>documentation</p> <p>The total damage cost in Euros for the flood event. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>

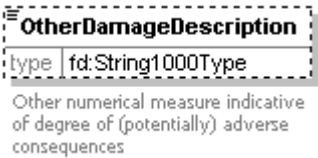
element **TypeofPotentialConsequencesType/CulturalHeritage/Degree_TotalDamageGDP**

diagram	 <p>The total damage in percentage of the total GDP for the flood event. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
annotation	<p>documentation</p> <p>The total damage in percentage of the total GDP for the flood event. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>

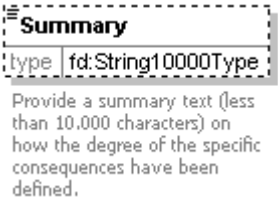
element **TypeofPotentialConsequencesType/CulturalHeritage/Degree_TotalDamageClass**

diagram	 <p>Degree_TotalDamageClass type fd:TotalDamageClass</p> <p>The total damage defined by the classes: Insignificant(I), Low(L), Medium(M), High(H), Very high (VH)</p>																		
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>I</td> <td></td> </tr> <tr> <td>enumeration</td> <td>L</td> <td></td> </tr> <tr> <td>enumeration</td> <td>M</td> <td></td> </tr> <tr> <td>enumeration</td> <td>H</td> <td></td> </tr> <tr> <td>enumeration</td> <td>VH</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	I		enumeration	L		enumeration	M		enumeration	H		enumeration	VH	
Kind	Value	annotation																	
enumeration	I																		
enumeration	L																		
enumeration	M																		
enumeration	H																		
enumeration	VH																		
annotation	<p>documentation</p> <p>The total damage defined by the classes: Insignificant(I), Low(L), Medium(M), High(H), Very high (VH)</p>																		

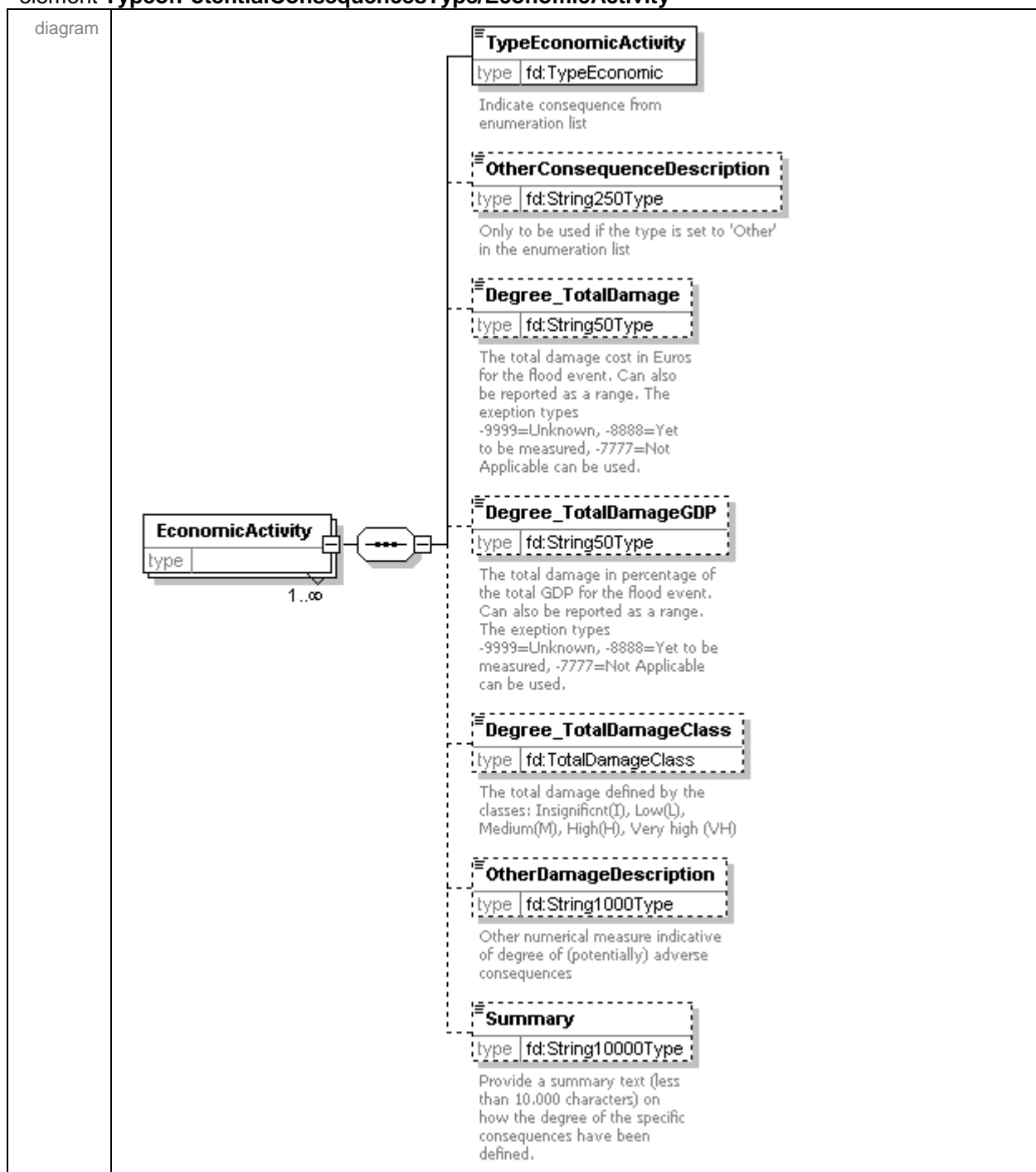
element **TypeofPotentialConsequencesType/CulturalHeritage/OtherDamageDescription**

diagram	 <p>OtherDamageDescription type fd:String1000Type</p> <p>Other numerical measure indicative of degree of (potentially) adverse consequences</p>
annotation	<p>documentation</p> <p>Other numerical measure indicative of degree of (potentially) adverse consequences</p>

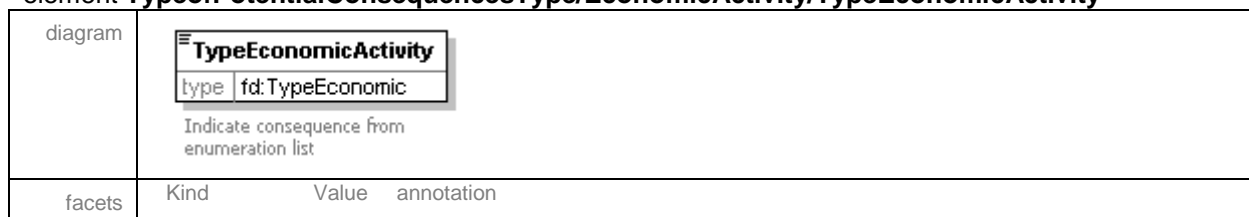
element **TypeofPotentialConsequencesType/CulturalHeritage/Summary**

diagram	 <p>Summary type fd:String10000Type</p> <p>Provide a summary text (less than 10,000 characters) on how the degree of the specific consequences have been defined.</p>
annotation	<p>documentation</p> <p>Provide a summary text (less than 10.000 characters) on how the degree of the specific consequences have been defined.</p>

element **TypeofPotentialConsequencesType/EconomicActivity**

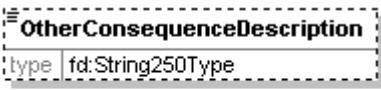


element **TypeofPotentialConsequencesType/EconomicActivity/TypeEconomicActivity**

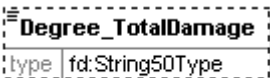


	<p>enumeration B40</p> <p>enumeration B41</p> <p>enumeration B42</p> <p>enumeration B43</p> <p>enumeration B44</p> <p>enumeration B45</p> <p>enumeration B46</p>
annotation	<p>documentation</p> <p>Indicate consequence from enumeration list</p>


element **TypeofPotentialConsequencesType/EconomicActivity/OtherConsequenceDescription**

diagram	 <p>Only to be used if the type is set to 'Other' in the enumeration list</p>
annotation	<p>documentation</p> <p>Only to be used if the type is set to 'Other' in the enumeration list</p>

element **TypeofPotentialConsequencesType/EconomicActivity/Degree_TotalDamage**

diagram	 <p>The total damage cost in Euros for the flood event. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
annotation	<p>documentation</p> <p>The total damage cost in Euros for the flood event. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>

element **TypeofPotentialConsequencesType/EconomicActivity/Degree_TotalDamageGDP**

diagram	 <p>The total damage in percentage of the total GDP for the flood event. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
annotation	<p>documentation</p> <p>The total damage in percentage of the total GDP for the flood event. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>

element **TypeofPotentialConsequencesType/EconomicActivity/Degree_TotalDamageClass**

diagram	<p>Degree_TotalDamageClass type fd:TotalDamageClass The total damage defined by the classes: Insignificant(I), Low(L), Medium(M), High(H), Very high (VH)</p>																		
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>I</td> <td></td> </tr> <tr> <td>enumeration</td> <td>L</td> <td></td> </tr> <tr> <td>enumeration</td> <td>M</td> <td></td> </tr> <tr> <td>enumeration</td> <td>H</td> <td></td> </tr> <tr> <td>enumeration</td> <td>VH</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	I		enumeration	L		enumeration	M		enumeration	H		enumeration	VH	
Kind	Value	annotation																	
enumeration	I																		
enumeration	L																		
enumeration	M																		
enumeration	H																		
enumeration	VH																		
annotation	documentation The total damage defined by the classes: Insignificant(I), Low(L), Medium(M), High(H), Very high (VH)																		

element **TypeofPotentialConsequencesType/EconomicActivity/OtherDamageDescription**

diagram	<p>OtherDamageDescription type fd:String1000Type Other numerical measure indicative of degree of (potentially) adverse consequences</p>
annotation	documentation Other numerical measure indicative of degree of (potentially) adverse consequences

element **TypeofPotentialConsequencesType/EconomicActivity/Summary**

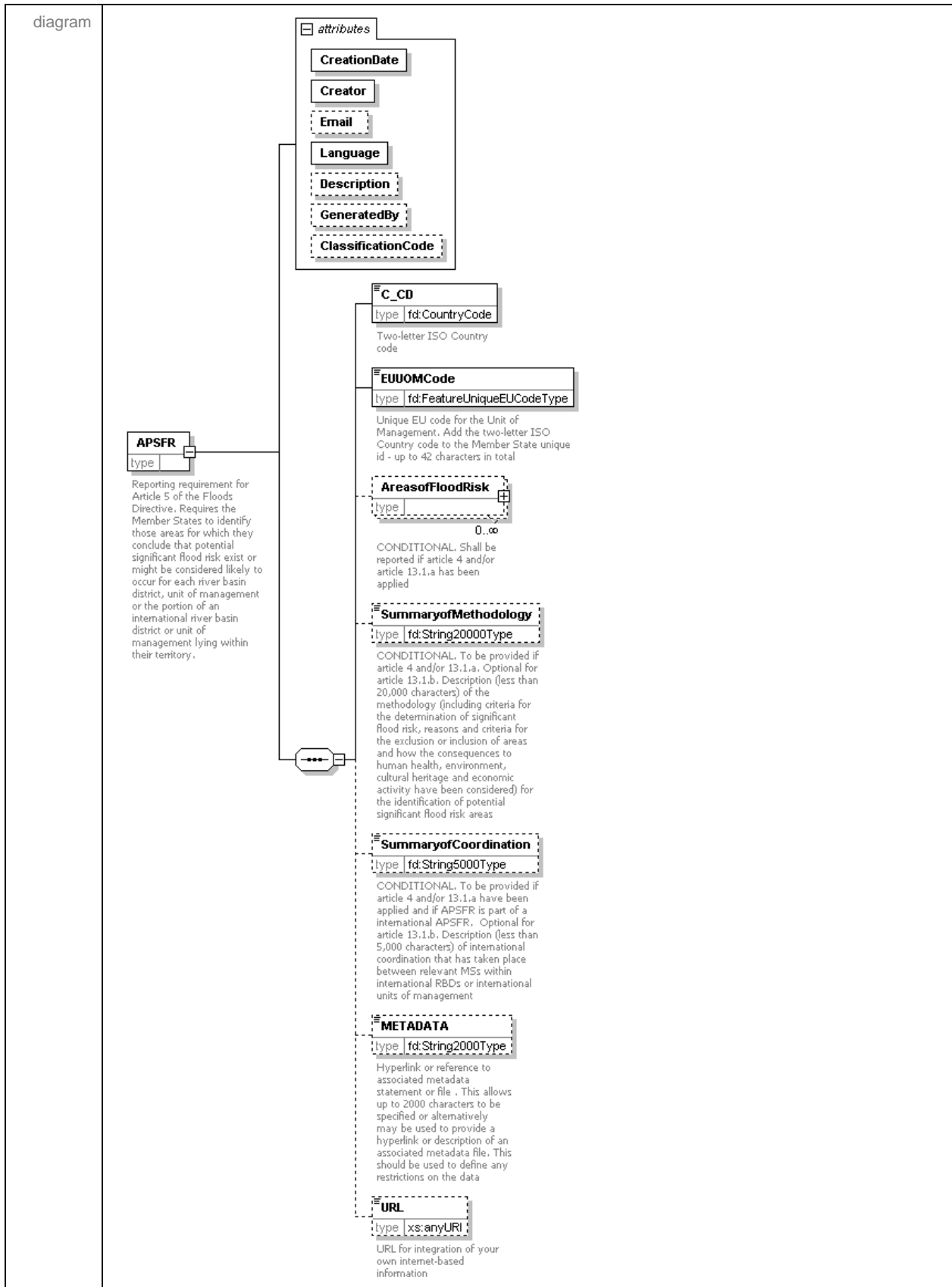
diagram	<p>Summary type fd:String10000Type Provide a summary text (less than 10,000 characters) on how the degree of the specific consequences have been defined.</p>
annotation	documentation Provide a summary text (less than 10.000 characters) on how the degree of the specific consequences have been defined.

Schema **APSFR_3p0.xsd**

Elements

APSFR

element **APSFRR**



attributes	Name	Type	Use	Default	Fixed	annotation
	CreationDate	xs:string	required			
	Creator	xs:string	required			
	Email	xs:string				
	Language	LanguageCode	required			
	Description	xs:string				
	GeneratedBy	xs:string				
	ClassificationCode	DataConfidentialityClassificationCode				
annotation	documentation Reporting requirement for Article 5 of the Floods Directive. Requires the Member States to identify those areas for which they conclude that potential significant flood risk exist or might be considered likely to occur for each river basin district, unit of management or the portion of an international river basin district or unit of management lying within their territory.					

attribute **AP_SFR/@CreationDate**

attribute **AP_SFR/@Creator**

attribute **AP_SFR/@Email**

attribute **AP_SFR/@Language**

facets	Kind	Value	annotation
	enumeration	bg	
	enumeration	es	
	enumeration	cs	
	enumeration	da	
	enumeration	de	
	enumeration	et	
	enumeration	el	
	enumeration	en	
	enumeration	fr	
	enumeration	ga	
	enumeration	hr	
	enumeration	ic	
	enumeration	it	
	enumeration	lv	
	enumeration	lt	
	enumeration	hu	
	enumeration	mt	
	enumeration	nl	
	enumeration	no	
	enumeration	pl	
	enumeration	pt	
	enumeration	ro	
	enumeration	sk	
	enumeration	sl	

	enumeration	sr	
	enumeration	tr	
	enumeration	fi	
	enumeration	sv	


attribute **APFR/@Description**

attribute **APFR/@GeneratedBy**

attribute **APFR/@ClassificationCode**

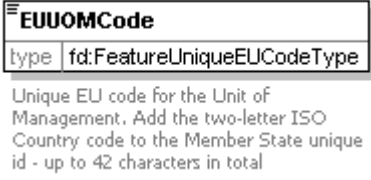
facets	Kind	Value	annotation
	enumeration	001	
	enumeration	003	

element **APFR/C_CD**

diagram			
facets	Kind	Value	annotation
	enumeration	AT	
	enumeration	BE	
	enumeration	BG	
	enumeration	CH	
	enumeration	CZ	
	enumeration	CY	
	enumeration	DE	
	enumeration	DK	
	enumeration	EE	
	enumeration	EL	
	enumeration	ES	
	enumeration	FI	
	enumeration	FR	
	enumeration	HR	
	enumeration	HU	
	enumeration	IE	
	enumeration	IS	
	enumeration	IT	
	enumeration	LT	
	enumeration	LU	
	enumeration	LV	
	enumeration	MT	
	enumeration	NO	
	enumeration	NL	

	enumeration PL enumeration PT enumeration RO enumeration SE enumeration SI enumeration SK enumeration TR enumeration UK
annotation	documentation Two-letter ISO Country code

element **APSFR/EUUOMCode**

diagram	 <p>Unique EU code for the Unit of Management. Add the two-letter ISO Country code to the Member State unique id - up to 42 characters in total</p>
annotation	documentation Unique EU code for the Unit of Management. Add the two-letter ISO Country code to the Member State unique id - up to 42 characters in total

element **APSFRR/AreasofFloodRisk**

<p>diagram</p>	<p>AreasofFloodRisk type</p> <p>0..∞</p> <p>CONDITIONAL. Shall be reported if article 4 and/or article 13.1.a has been applied</p> <p>APSFRRCode type fd:FeatureUniqueEUCodeType</p> <p>Unique EU code for the area of potential significant flood risk. Add the two-letter ISO Country code to the Member State unique id - up to 42 characters in total</p> <p>NameofAPSFRR type fd:String250Type</p> <p>Name of the river basin, sub-basin and/or coastal area or other areas associated with each area of potential significant flood risk</p> <p>CrossBorderRelationship type fd:YesCode</p> <p>Please indicate with "y" (yes) if the APSFR cross the national border or the unit of management</p> <p>CrossBorderAPSFRRCode type fd:FeatureUniqueCodeTypeEX</p> <p>CONDITIONAL. If the APSFR cross the border to either a national or international unit of management please indicate the unique code for the related APSFR. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p> <p>LAT type fd:CoordinateType</p> <p>Latitude in ETRS89 of the centroid of the area with potential significant flood risk. When linear or area entities are represented as points (centroids) these should be 'geometric' centroids in the sense that the point should fall inside a polygon representation or for linear features be a point on the line</p> <p>LOH type fd:CoordinateType</p> <p>Longitude in ETRS89 of the centroid of the area with potential significant flood risk. When linear or area entities are represented as points (centroids) these should be 'geometric' centroids in the sense that the point should fall inside a polygon representation or for linear features be a point on the line</p> <p>TypeofFloods type</p> <p>TypeofPotentialConsequences type</p> <p>GeneralAdditionalComments type fd:String5000Type</p> <p>If necessary, additional comments may be introduced to explain the data and information provided (less than 5000 characters).</p>
<p>annotation</p>	<p>documentation CONDITIONAL. Shall be reported if article 4 and/or article 13.1.a has been applied</p>

element **APSFR/AreasofFloodRisk/APSFRCode**

diagram	<p>Unique EU code for the area of potential significant flood risk. Add the two-letter ISO Country code to the Member State unique id - up to 42 characters in total</p>
annotation	<p>documentation Unique EU code for the area of potential significant flood risk. Add the two-letter ISO Country code to the Member State unique id - up to 42 characters in total</p>

element **APSFR/AreasofFloodRisk/NameofAPSFR**

diagram	<p>Name of the river basin, sub-basin and/or coastal area or other areas associated with each area of potential significant flood risk</p>
annotation	<p>documentation Name of the river basin, sub-basin and/or coastal area or other areas associated with each area of potential significant flood risk</p>

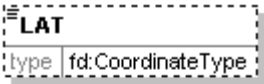
element **APSFR/AreasofFloodRisk/CrossBorderRelationship**

diagram	<p>Please indicate with "Y" (yes) if the APSFR cross the national border or the unit of management</p>									
facets	<table border="0"> <tr> <td>Kind</td> <td>Value</td> <td>annotation</td> </tr> <tr> <td>enumeration</td> <td>Y</td> <td></td> </tr> <tr> <td>enumeration</td> <td></td> <td></td> </tr> </table>	Kind	Value	annotation	enumeration	Y		enumeration		
Kind	Value	annotation								
enumeration	Y									
enumeration										
annotation	<p>documentation Please indicate with "Y" (yes) if the APSFR cross the national border or the unit of management</p>									

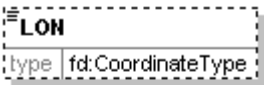
element **APSFR/AreasofFloodRisk/CrossBorderAPSFRCode**

diagram	<p>CONDITIONAL. If the APSFR cross the border to either a national or international unit of management please indicate the unique code for the related APSFR. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
annotation	<p>documentation CONDITIONAL. If the APSFR cross the border to either a national or international unit of management please indicate the unique code for the related APSFR. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>

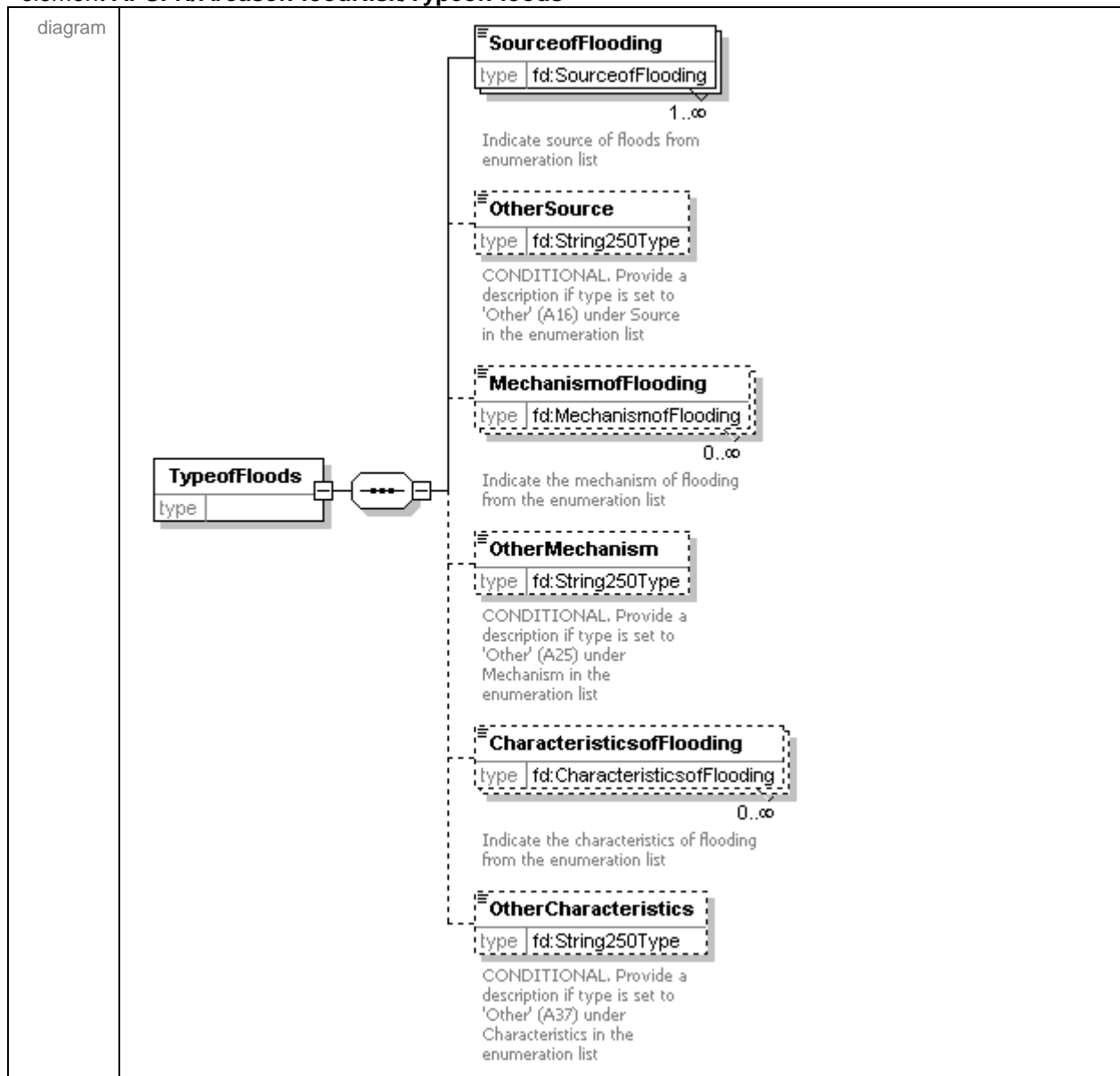
element **APSF/AreasofFloodRisk/LAT**

diagram	 <p>Latitude in ETRS89 of the centroid of the area with potential significant flood risk. When linear or area entities are represented as points (centroids) these should be 'geometric' centroids in the sense that the point should fall inside a polygon representation or for linear features be a point on the line</p>
annotation	<p>documentation Latitude in ETRS89 of the centroid of the area with potential significant flood risk. When linear or area entities are represented as points (centroids) these should be 'geometric' centroids in the sense that the point should fall inside a polygon representation or for linear features be a point on the line</p>

element **APSF/AreasofFloodRisk/LON**

diagram	 <p>Longitude in ETRS89 of the centroid of the area with potential significant flood risk. When linear or area entities are represented as points (centroids) these should be 'geometric' centroids in the sense that the point should fall inside a polygon representation or for linear features be a point on the line</p>
annotation	<p>documentation Longitude in ETRS89 of the centroid of the area with potential significant flood risk. When linear or area entities are represented as points (centroids) these should be 'geometric' centroids in the sense that the point should fall inside a polygon representation or for linear features be a point on the line</p>

element **APSFRR/AreasofFloodRisk/TypeofFloods**

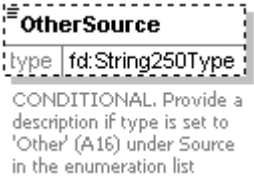


element **APSFRR/AreasofFloodRisk/TypeofFloods/SourceofFlooding**


<p>diagram</p>	<p>SourceofFlooding type fd:SourceofFlooding 1..∞ Indicate source of floods from enumeration list</p>																		
<p>facets</p>	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>A11</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A12</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A13</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A14</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A15</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	A11		enumeration	A12		enumeration	A13		enumeration	A14		enumeration	A15	
Kind	Value	annotation																	
enumeration	A11																		
enumeration	A12																		
enumeration	A13																		
enumeration	A14																		
enumeration	A15																		

	enumeration A16 enumeration A17
annotation	documentation Indicate source of floods from enumeration list

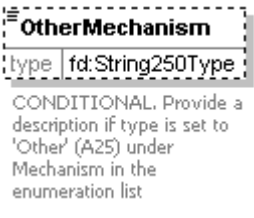
element **APSEFR/AreasofFloodRisk/TypeofFloods/OtherSource**

diagram	 <p>CONDITIONAL. Provide a description if type is set to 'Other' (A16) under Source in the enumeration list</p>
annotation	documentation CONDITIONAL. Provide a description if type is set to 'Other' (A16) under Source in the enumeration list

element **APSEFR/AreasofFloodRisk/TypeofFloods/MechanismofFlooding**

diagram	 <p>Indicate the mechanism of flooding from the enumeration list</p>																					
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>A21</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A22</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A23</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A24</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A25</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A26</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	A21		enumeration	A22		enumeration	A23		enumeration	A24		enumeration	A25		enumeration	A26	
Kind	Value	annotation																				
enumeration	A21																					
enumeration	A22																					
enumeration	A23																					
enumeration	A24																					
enumeration	A25																					
enumeration	A26																					
annotation	documentation Indicate the mechanism of flooding from the enumeration list																					

element **APSEFR/AreasofFloodRisk/TypeofFloods/OtherMechanism**

diagram	 <p>CONDITIONAL. Provide a description if type is set to 'Other' (A25) under Mechanism in the enumeration list</p>
annotation	documentation CONDITIONAL. Provide a description if type is set to 'Other' (A25) under Mechanism in the enumeration list

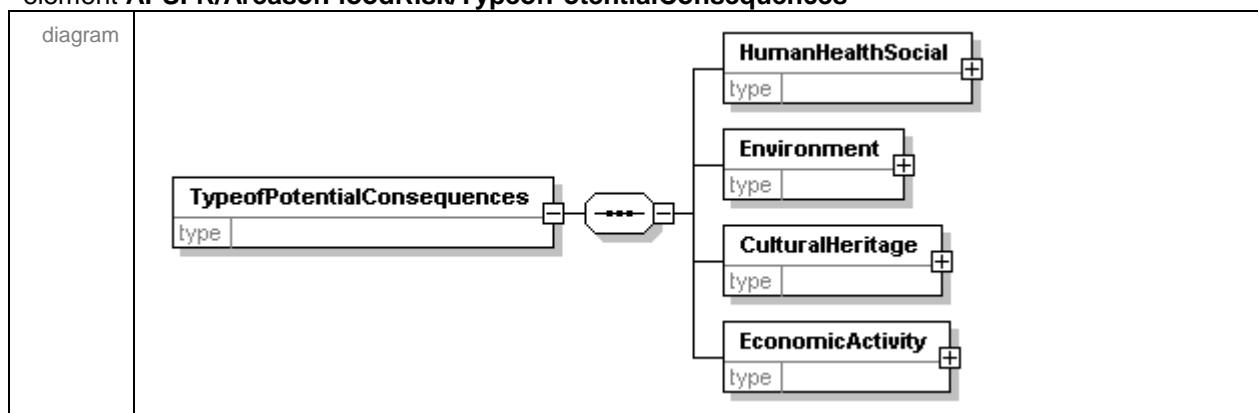
element **APSFRR/AreasofFloodRisk/TypeofFloods/CharacteristicsofFlooding**

diagram																																		
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr><td>enumeration</td><td>A31</td><td></td></tr> <tr><td>enumeration</td><td>A32</td><td></td></tr> <tr><td>enumeration</td><td>A33</td><td></td></tr> <tr><td>enumeration</td><td>A34</td><td></td></tr> <tr><td>enumeration</td><td>A35</td><td></td></tr> <tr><td>enumeration</td><td>A36</td><td></td></tr> <tr><td>enumeration</td><td>A37</td><td></td></tr> <tr><td>enumeration</td><td>A38</td><td></td></tr> <tr><td>enumeration</td><td>A39</td><td></td></tr> <tr><td>enumeration</td><td>A40</td><td></td></tr> </tbody> </table>	Kind	Value	annotation	enumeration	A31		enumeration	A32		enumeration	A33		enumeration	A34		enumeration	A35		enumeration	A36		enumeration	A37		enumeration	A38		enumeration	A39		enumeration	A40	
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enumeration	A40																																	
annotation	<p>documentation Indicate the characteristics of flooding from the enumeration list</p>																																	

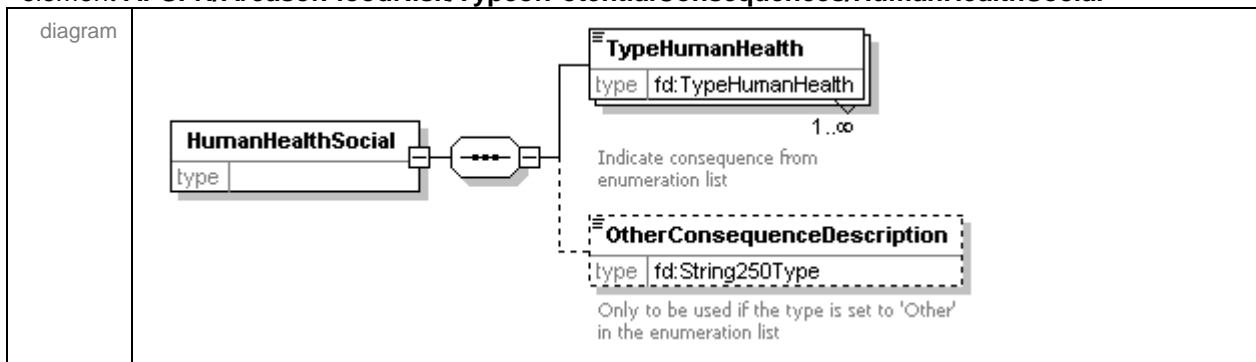
element **APSFRR/AreasofFloodRisk/TypeofFloods/OtherCharacteristics**

diagram	
annotation	<p>documentation CONDITIONAL. Provide a description if type is set to 'Other' (A37) under Characteristics in the enumeration list</p>

element **APSFRR/AreasofFloodRisk/TypeofPotentialConsequences**



element **APSF/AreasofFloodRisk/TypeofPotentialConsequences/HumanHealthSocial**



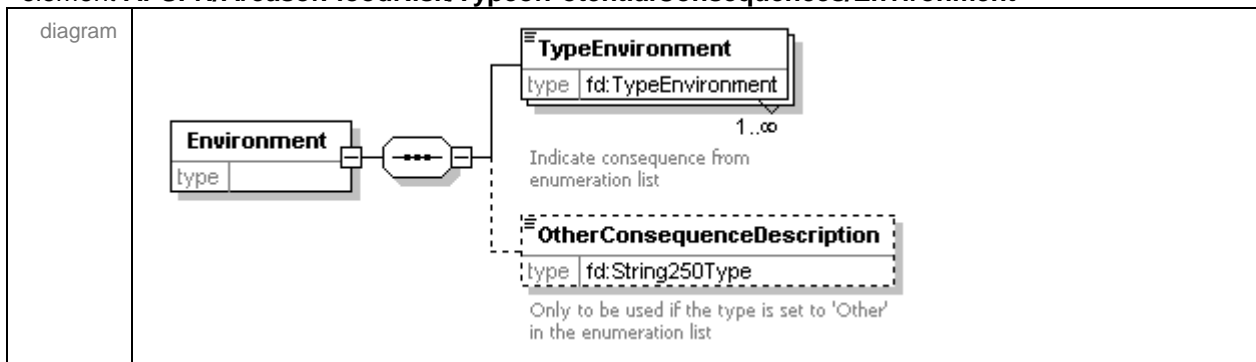
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diagram																			
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>B10</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B11</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B12</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B13</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B14</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	B10		enumeration	B11		enumeration	B12		enumeration	B13		enumeration	B14	
Kind	Value	annotation																	
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enumeration	B14																		
annotation	documentation Indicate consequence from enumeration list																		

element **APSF/AreasofFloodRisk/TypeofPotentialConsequences/HumanHealthSocial/OtherConsequenceDescription**

diagram	
annotation	documentation Only to be used if the type is set to 'Other' in the enumeration list

element **APSF/AreasofFloodRisk/TypeofPotentialConsequences/Environment**



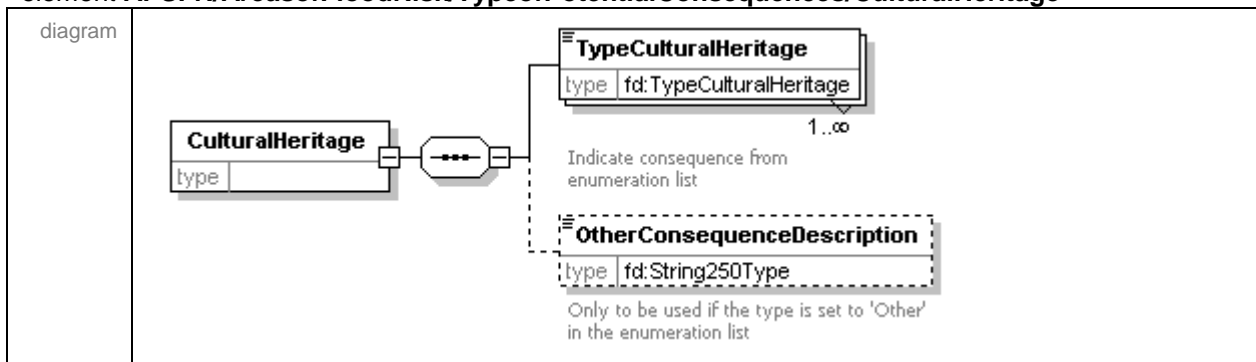
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diagram																									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>B20</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B20</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B21</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B22</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B23</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B24</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B25</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	B20		enumeration	B20		enumeration	B21		enumeration	B22		enumeration	B23		enumeration	B24		enumeration	B25	
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enumeration	B25																								
annotation	documentation Indicate consequence from enumeration list																								

element **APSF/AreasofFloodRisk/TypeofPotentialConsequences/Environment/OtherConsequenceDescription**

diagram	
annotation	documentation Only to be used if the type is set to 'Other' in the enumeration list

element **APSF/AreasofFloodRisk/TypeofPotentialConsequences/CulturalHeritage**



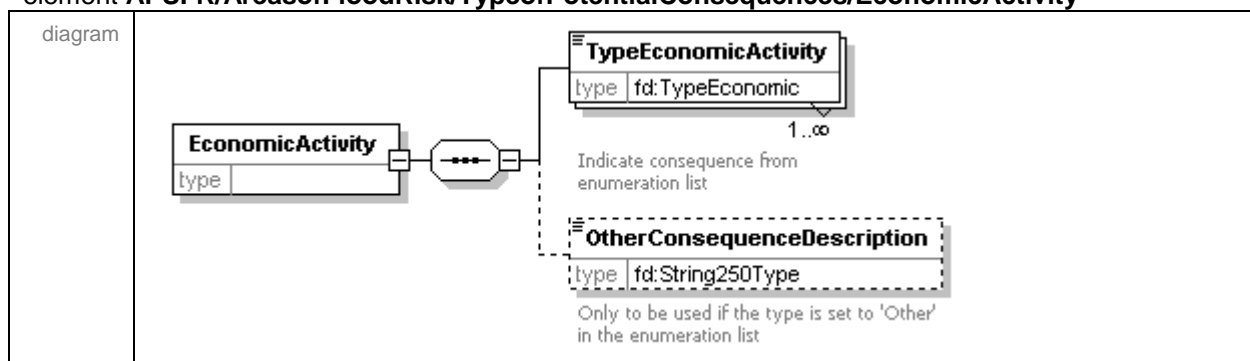
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diagram	<p>TypeCulturalHeritage type fd:TypeCulturalHeritage 1..∞</p> <p>Indicate consequence from enumeration list</p>																		
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>B30</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B31</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B32</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B33</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B34</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	B30		enumeration	B31		enumeration	B32		enumeration	B33		enumeration	B34	
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enumeration	B32																		
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annotation	<p>documentation Indicate consequence from enumeration list</p>																		

element **APSF/AreasofFloodRisk/TypeofPotentialConsequences/CulturalHeritage/OtherConsequenceDescription**

diagram	<p>OtherConsequenceDescription type fd:String250Type Only to be used if the type is set to 'Other' in the enumeration list</p>
annotation	<p>documentation Only to be used if the type is set to 'Other' in the enumeration list</p>

element **APSFRR/AreasofFloodRisk/TypeofPotentialConsequences/EconomicActivity**




element **APSFRR/AreasofFloodRisk/TypeofPotentialConsequences/EconomicActivity/TypeEconomicActivity**

diagram	<p>TypeEconomicActivity type fd:TypeEconomic 1..∞</p> <p>Indicate consequence from enumeration list</p>																								
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>B40</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B41</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B42</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B43</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B44</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B45</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B46</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	B40		enumeration	B41		enumeration	B42		enumeration	B43		enumeration	B44		enumeration	B45		enumeration	B46	
Kind	Value	annotation																							
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enumeration	B42																								
enumeration	B43																								
enumeration	B44																								
enumeration	B45																								
enumeration	B46																								
annotation	documentation Indicate consequence from enumeration list																								


element **APSFRR/AreasofFloodRisk/TypeofPotentialConsequences/EconomicActivity/OtherConsequenceDescription**

diagram	<p>OtherConsequenceDescription type fd:String250Type</p> <p>Only to be used if the type is set to 'Other' in the enumeration list</p>
annotation	documentation Only to be used if the type is set to 'Other' in the enumeration list

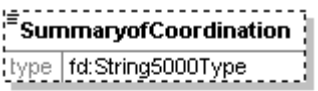
element **APSFR/AreasofFloodRisk/GeneralAdditionalComments**

diagram	 <p>If necessary, additional comments may be introduced to explain the data and information provided (less than 5000 characters).</p>
annotation	documentation If necessary, additional comments may be introduced to explain the data and information provided (less than 5000 characters).

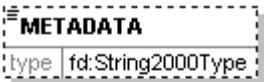
element **APSFR/SummaryofMethodology**

diagram	 <p>CONDITIONAL. To be provided if article 4 and/or 13.1.a. Optional for article 13.1.b. Description (less than 20,000 characters) of the methodology (including criteria for the determination of significant flood risk, reasons and criteria for the exclusion or inclusion of areas and how the consequences to human health, environment, cultural heritage and economic activity have been considered) for the identification of potential significant flood risk areas</p>
annotation	documentation CONDITIONAL. To be provided if article 4 and/or 13.1.a. Optional for article 13.1.b. Description (less than 20,000 characters) of the methodology (including criteria for the determination of significant flood risk, reasons and criteria for the exclusion or inclusion of areas and how the consequences to human health, environment, cultural heritage and economic activity have been considered) for the identification of potential significant flood risk areas

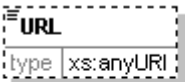
element **APSFR/SummaryofCoordination**

diagram	 <p>CONDITIONAL. To be provided if article 4 and/or 13.1.a have been applied and if APSFR is part of a international APSFR. Optional for article 13.1.b. Description (less than 5,000 characters) of international coordination that has taken place between relevant MSs within international RBDs or international units of management</p>
annotation	documentation CONDITIONAL. To be provided if article 4 and/or 13.1.a have been applied and if APSFR is part of a international APSFR. Optional for article 13.1.b. Description (less than 5,000 characters) of international coordination that has taken place between relevant MSs within international RBDs or international units of management

element **APSEFR/METADATA**

<p>diagram</p>	 <p>Hyperlink or reference to associated metadata statement or file . This allows up to 2000 characters to be specified or alternatively may be used to provide a hyperlink or description of an associated metadata file. This should be used to define any restrictions on the data</p>
<p>annotation</p>	<p>documentation Hyperlink or reference to associated metadata statement or file . This allows up to 2000 characters to be specified or alternatively may be used to provide a hyperlink or description of an associated metadata file. This should be used to define any restrictions on the data</p>

element **APSEFR/URL**

<p>diagram</p>	 <p>URL for integration of your own internet-based information</p>
<p>annotation</p>	<p>documentation URL for integration of your own internet-based information</p>

3.4 SCHEMA: FLOOD HAZARD AND RISK MAPS¹

Schema FHRM.xsd

Article 6 of the Floods Directive requires member states to prepare flood hazard maps and flood risk maps. These maps must be prepared, at the river basin level and at the most appropriate scale, for the areas of potentially significant flood risk identified under Article 5 or according to article 13.1 (a), or for the areas for which MS decide to prepare flood maps according to article 13(1)(b) (art 6.1). Member States will determine the most appropriate scale of flood hazard maps and flood risk maps, and different scales can be chosen for instance depending on the location and type of map. The scale at which information is made available at European level via WISE is a different matter, and visualisation of flood related information in WISE (at scale 1:250.000) will be developed in separate GIS Guidance (CIS Guidance document n° 22, new Annex 13). Member States may chose to develop several flood maps for each type of relevant flood, provided that the requirements of the Directive are complied with.

Flood hazard maps must show the geographical area which could be flooded under different scenarios (art. 6.3), whereas flood risk maps must show the potential adverse

¹ Text is from agreed FHRM Reporting sheet

consequences of these flood scenarios (article 6.5). The flood maps must be prepared for the following flooding scenarios:

- (a) floods with low probability, or extreme event scenarios;
- (b) floods with a medium probability (likely return period ≥ 100 years);
- (c) floods with a high probability, where appropriate.

Members States have flexibility to assign specific flood probabilities to these scenarios.

For each scenario, Members State must prepare information of flood extents and water depth or levels (art 6.4). Where appropriate, Members States could also prepare information on flow velocities or the relevant water flow..

For each flooding scenario, the flood risk maps shall show:

1. the indicative number of inhabitants potentially affected;
2. type of economic activity of the area potentially affected;
3. installations as referred to in Annex I to Council Directive 2008/1/EC (codified version of Directive 96/61/EC of 24 September 1996) concerning integrated pollution prevention and control which might cause accidental pollution in case of flooding and potentially affected WFD protected areas² identified in Annex IV(1)(i), (iii) and (v) to Directive 2000/60/EC;

The maps may show other information which the Member State considers useful such as the indication of areas where floods with a high content of transported sediments and debris floods can occur and information on other significant sources of pollution.

For coastal flooding where there is an adequate level of protection in place, and for groundwater flooding, Member States can decide to limit the preparation of flood hazard maps to low probability or extreme events (art 6.6 and 6.7).

The flood hazard maps and flood risk maps must be completed by the 22nd December 2013 and made available to the Commission by the 22nd March 2014. Member States may also use flood hazard maps and flood risk maps which were finalised before 22.12.2010, provided these maps "provide a level of information equivalent to the requirements of Article 6" (art 13.2).

Prior exchange of information between Member States in the preparation of Flood maps is required in shared Units of managements (art 6.2).

The preparation of flood hazard maps and flood risk maps shall be coordinated with the review of the assessment carried out under article 5 of the Water Framework Directive 2000/60/EC. The coordination shall ensure that the information they contain is consistent, and the overall purpose of the coordination is to focus on opportunities for improving efficiency, information exchange and achieving common synergies and benefits having regard to the environmental objectives of that Directive.

² The term "protected areas", referring here to areas identified in WFD Annex IV(1)(i), (iii) and (v), such as Natura 2000 areas, should not be confused with areas protected against floods, e.g. by dikes.

To enable the Commission to assess the compliance of Member States flood hazard maps and flood risk maps with the requirement of article 6 and 13.2, a number of summary questions are included in this reporting sheet focusing on the methodology for preparing flood hazard maps and flood risk maps.

Flood hazard maps and flood risk maps shall also be made available to the public by the Member States.

All reporting under the Directive should be done electronically via WISE (Water Information Systems for Europe). The reporting of Flood hazard maps and flood risk maps however presents two main challenges in this context.

Firstly, the current scale of visualisation of maps in the current WISE map viewer (scale 1:250000) might not be the appropriate scale for such maps, as mentioned in the Directive.

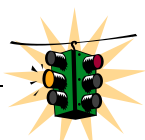
Secondly, the INSPIRE Directive rules for metadata on relevant topics will not be operational until after 2014, that is most likely after the reporting deadline for the flood hazard maps and flood risk maps.

This leads to a two pronged approach on reporting and visualisation of flood maps via WISE.

To address these challenges, a decentralised and staged approach to reporting flood maps will be implemented. The detailed and reference data for the flood hazard maps and flood risk maps shall rest in the national repositories for these maps (the decentralised approach), with web-links to these maps provided through geographical information as set out in section C of the reporting sheet (and through textual information on methodologies) provided to the public through WISE.

Under the staged approach, it is proposed that ***in the short term (until 2014)*** the reporting of flood maps should be based on textual information on methodologies used, and reporting of geographical information as set out in section C, with web-links to detailed maps held in the Member States. This should be visualised in a way which allows the user to select an area from the EU-wide WISE background map, and then via hyperlink established in WISE, to switch and to zoom into the correct area at MS level. This will also take into consideration the reporting of existing maps according to article 13.2. Data, as set out in section C, shall be reported which are required to enable certain maps and reference data sets to be produced at the European level (WISE scale) and to enable compliance checking by Commission, and, subject to prior consent of the Member State, for other uses by the Commission, including JRC and EEA.

In the longer term as INSPIRE is being implemented, notably to be in place for the second cycle of flood maps (deadline for establishing maps : 22.12.2019), the format for reporting/data and information exchange and visualisation/displayed of flood maps should be in a decentralised mode foreseen by that Directive, and in line with a Shared Environmental Information System (SEIS) initiative and made available via WISE.

	Look Out!
	Fully INSPIRE compliant reporting formats may not be operational for the 1 st cycle of reporting of flood hazard maps and flood risk maps.

<p>Member States have to implement the system to the reporting of the second cycle (March 2020) at the latest, although reporting should as far as reasonably possible be INSPIRE compliant in the first cycle.</p> <p>Depending on the developments under the implementation of INSPIRE, this reporting sheet or other related document may need to be revised.</p> <p>For the first cycle, Member States can report either in an INSPIRE compatible format (decentralised system), or if not fully implemented in that Member State, hyperlinks to maps available in digital format, with geo-referenced hyperlinks which enables access from a certain area identified within WISE. For the second cycle, reporting formats/schemas shall aim at being fully INSPIRE compliant.</p>
--

For both stages the content of the reporting needs to be defined in this Reporting sheet, but the technical reporting schemas and formats may differ between the 1st and 2nd cycles. The reporting sheets developed for the first implementation cycle will be assessed after the reporting, and if necessary be subject to a revision. This may be particularly relevant for the reporting of flood hazard and flood risk maps.

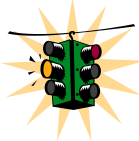
CIS Guidance Document No. 22: Updated Guidance on Implementing the Geographical Information System (GIS) Elements of the EU Water policy, shall be taken into account, and relevant parts should also be updated for the purpose of reporting of the Floods Directive by WG F (supported by the drafting group).³ The further development of reporting/data exchange formats and visualisation shall furthermore be in line with relevant requirements of INSPIRE, in particular as regards the Annex III theme Natural Risk Zones, but also in relation to other relevant themes. Active involvement of WG F in the development of the INSPIRE requirements is foreseen.

Different existing data layers in WISE (e.g. RBD, sub-units, as well as currently under development 'WISE main rivers and Main lakes' reference dataset), and databases such as European Pollutant Release and Transfer Register (E-PRTR) can be used, along with background maps such as those provided for the PFRA (according to application of article 4,5 and 13.1 as relevant), showing topography and land-use.

As outlined in the Concept paper on reporting (chapter 3.2) information for other uses may be asked for, with the consent from the Member States; going beyond compliance checking purposes for the Floods Directive. With a view of streamlining reporting on, for instance, State of the Environment reports by the European Environment Agency with reporting for the Floods Directive, some additional optional information may be asked for.

³ http://circa.europa.eu/Members/irc/env/wfd/library?l=/framework_directive/guidance_documents&vm=detailed&sb=Title

To facilitate and structure the technical reporting formats, enumeration lists of types of floods and of types of adverse consequences will be developed, to be implemented in the reporting schemas. Appropriate structures such as NACE codes⁴, or national correlated equivalent codes, can for instance be used for this purpose.

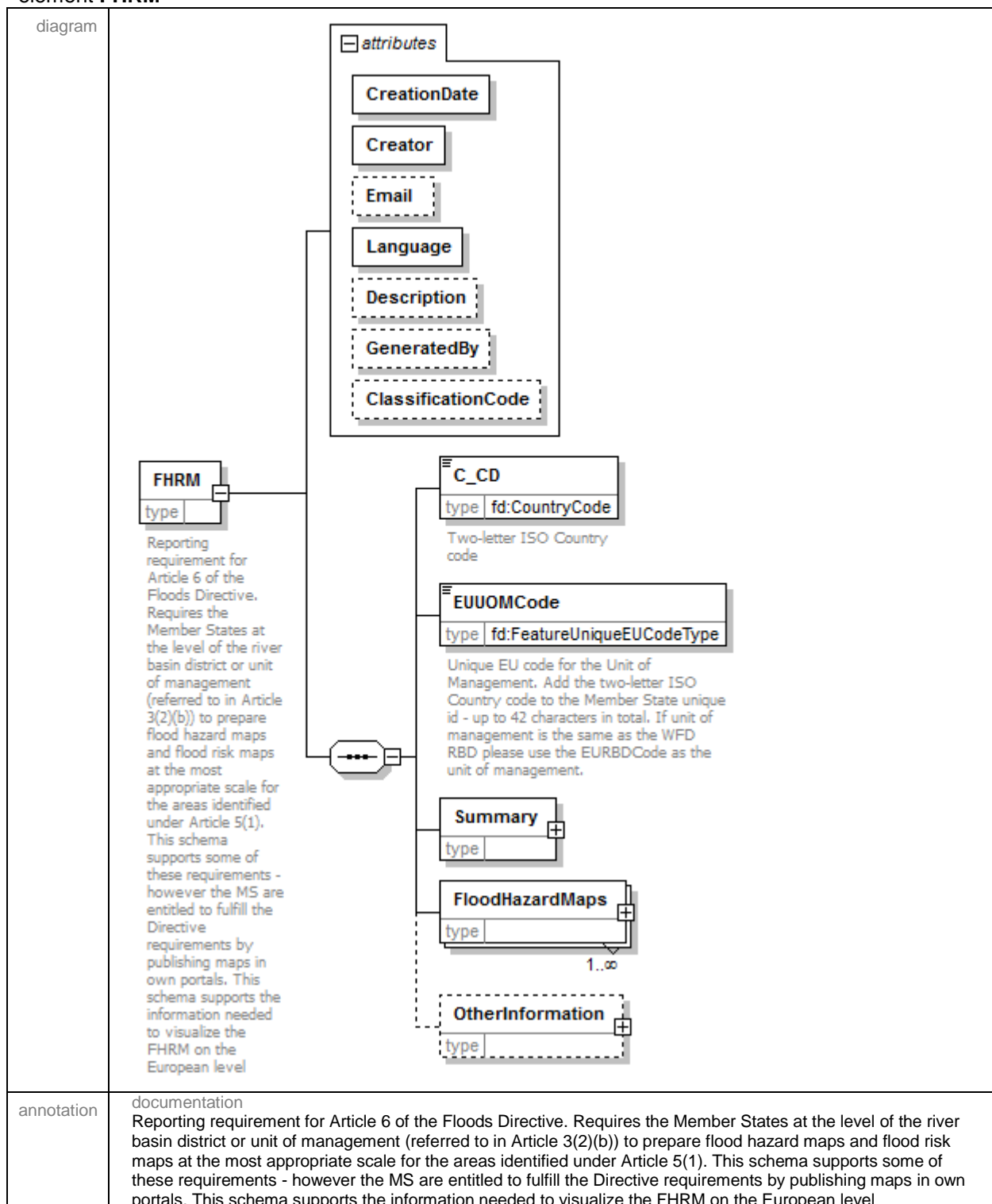
	Look Out!
	<p>Coordination at the scale for the RBD (or smaller Unit of management, if relevant) is important, such as for the identification of common scenarios, for instance in the view of assessing the impacts of climate change on floods (Ref. Guidance document "River Basin Management in a changing climate"), which may have an impact on flood maps.</p> <p>Thus, coordination between member states and between regions in such shared RBD / UoM in the production of flood hazard maps and flood risk maps will therefore be important.</p>

It is also noted that certain information in relation to the implementation of this Directive, such as mapping of effects of failures of critical infrastructure, may need to be reported to the Commission for compliance checking purposes only, if such information be deemed classified in the Member State concerned.

⁴ NACE : The **Statistical Classification of Economic Activities in the European Community** (in French: Nomenclature statistique des activités économiques dans la Communauté européenne), commonly referred to as **NACE**, is a European industry standard [classification system](#) consisting of a 6 digit code.

Schema FHRM_2p1.xsd

element FHRM



attribute **FHRM/@CreationDate**

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attribute **FHRM/@Creator**

type	xs:string
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attribute **FHRM/@Email**

type	xs:string
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attribute **FHRM/@Language**

type	LanguageCode		
facets	Kind	Value	annotation
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	enumeration	cs	
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	enumeration	de	
	enumeration	et	
	enumeration	el	
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	enumeration	ga	
	enumeration	hr	
	enumeration	ic	
	enumeration	it	
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	enumeration	lt	
	enumeration	hu	
	enumeration	mt	
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	enumeration	no	
	enumeration	pl	
	enumeration	pt	
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	enumeration	sl	
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	enumeration	sv	

attribute **FHRM/@Description**

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attribute **FHRM/@GeneratedBy**

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attribute **FHRM/@ClassificationCode**

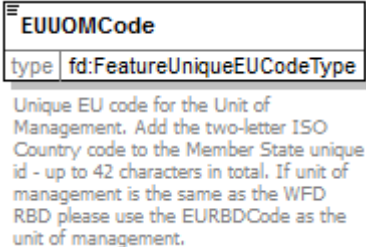
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facets	Kind	Value	annotation
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	enumeration	003	

element **FHRM/C_CD**

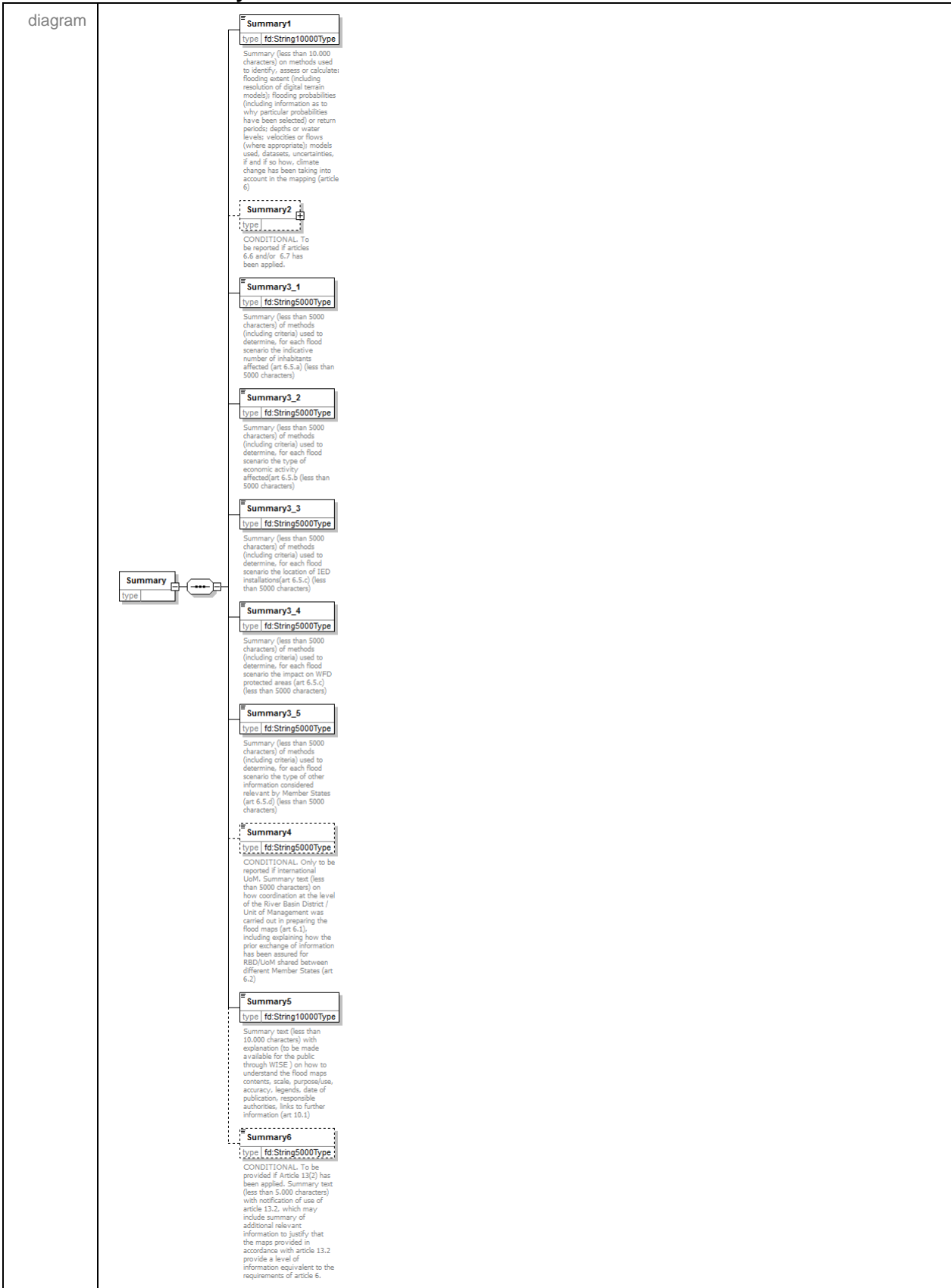
diagram			
type	CountryCode		
facets	Kind	Value	annotation
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	enumeration	BG	
	enumeration	CH	
	enumeration	CZ	
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	enumeration	IT	
	enumeration	LT	
enumeration	LU		
enumeration	LV		
enumeration	MT		
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	enumeration SE enumeration SI enumeration SK enumeration TR enumeration UK
annotation	documentation Two-letter ISO Country code

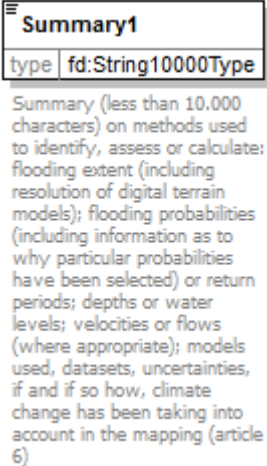
element **FHRM/EUUOMCode**

diagram	
type	FeatureUniqueEUCodeType
annotation	documentation Unique EU code for the Unit of Management. Add the two-letter ISO Country code to the Member State unique id - up to 42 characters in total. If unit of management is the same as the WFD RBD please use the EURBDCode as the unit of management.

element **FHRM/Summary**



element **FHRM/Summary/Summary1**

<p>diagram</p>	
<p>type</p>	<p>String10000Type</p>
<p>annotation</p>	<p>documentation Summary (less than 10.000 characters) on methods used to identify, assess or calculate: flooding extent (including resolution of digital terrain models); flooding probabilities (including information as to why particular probabilities have been selected) or return periods; depths or water levels; velocities or flows (where appropriate); models used, datasets, uncertainties, if and if so how, climate change has been taking into account in the mapping (article 6)</p>

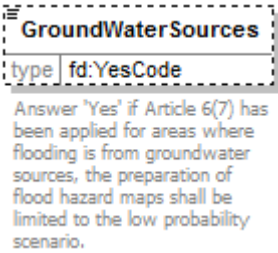
element **FHRM/Summary/Summary2**

<p>diagram</p>	<p>Summary2 type fd:YesCode CONDITIONAL. To be reported if articles 6.6 and/or 6.7 has been applied.</p> <p>CoastalAreas type fd:YesCode Answer 'Yes' if Article 6(6) has been applied for coastal areas where an adequate level of protection is in place, the preparation of flood hazard maps shall be limited to the low probability scenario.</p> <p>GroundWaterSources type fd:YesCode Answer 'Yes' if Article 6(7) has been applied for areas where flooding is from groundwater sources, the preparation of flood hazard maps shall be limited to the low probability scenario.</p> <p>Article6.6AndOrArticle6.7Applied type fd:String5000Type CONDITIONAL. To be provided if 'Yes' has been answered to 'CoastalAreas' and/or 'GroundWaterSources'. A summary (less than 5000 characters) on the exclusion of particular groundwater or coastal flooding scenarios, and a justification for these decisions, including information on the justification that adequate level of protection is in place in coastal areas and where articles 6(6) and 6(7) has been applied.</p>
<p>annotation</p>	<p>documentation CONDITIONAL. To be reported if articles 6.6 and/or 6.7 has been applied.</p>

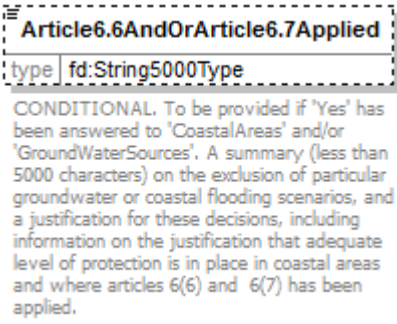
element **FHRM/Summary/Summary2/CoastalAreas**

<p>diagram</p>	<p>CoastalAreas type fd:YesCode Answer 'Yes' if Article 6(6) has been applied for coastal areas where an adequate level of protection is in place, the preparation of flood hazard maps shall be limited to the low probability scenario.</p>
<p>type</p>	<p>YesCode</p>
<p>facets</p>	<p>Kind Value annotation enumeration Y enumeration</p>
<p>annotation</p>	<p>documentation Answer 'Yes' if Article 6(6) has been applied for coastal areas where an adequate level of protection is in place, the preparation of flood hazard maps shall be limited to the low probability scenario.</p>

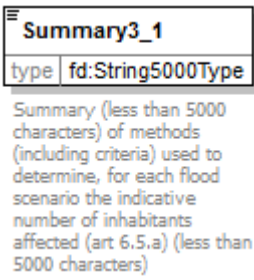
element **FHRM/Summary/Summary2/GroundWaterSources**

diagram	
type	YesCode
facets	Kind Value annotation enumeration Y enumeration
annotation	documentation Answer 'Yes' if Article 6(7) has been applied for areas where flooding is from groundwater sources, the preparation of flood hazard maps shall be limited to the low probability scenario.

element **FHRM/Summary/Summary2/Article6.6AndOrArticle6.7Applied**

diagram	
type	String5000Type
annotation	documentation CONDITIONAL. To be provided if 'Yes' has been answered to 'CoastalAreas' and/or 'GroundWaterSources'. A summary (less than 5000 characters) on the exclusion of particular groundwater or coastal flooding scenarios, and a justification for these decisions, including information on the justification that adequate level of protection is in place in coastal areas and where articles 6(6) and 6(7) has been applied.

element **FHRM/Summary/Summary3_1**

diagram	
type	String5000Type
annotation	documentation Summary (less than 5000 characters) of methods (including criteria) used to determine, for each flood scenario

the indicative number of inhabitants affected (art 6.5.a) (less than 5000 characters)

element **FHRM/Summary/Summary3_2**

diagram	<p>Summary (less than 5000 characters) of methods (including criteria) used to determine, for each flood scenario the type of economic activity affected(art 6.5.b (less than 5000 characters))</p>
type	String5000Type
annotation	documentation Summary (less than 5000 characters) of methods (including criteria) used to determine, for each flood scenario the type of economic activity affected(art 6.5.b (less than 5000 characters))

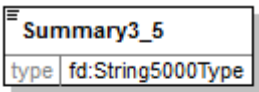
element **FHRM/Summary/Summary3_3**

diagram	<p>Summary (less than 5000 characters) of methods (including criteria) used to determine, for each flood scenario the location of IED installations(art 6.5.c) (less than 5000 characters)</p>
type	String5000Type
annotation	documentation Summary (less than 5000 characters) of methods (including criteria) used to determine, for each flood scenario the location of IED installations(art 6.5.c) (less than 5000 characters)

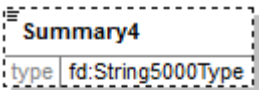
element **FHRM/Summary/Summary3_4**

diagram	<p>Summary (less than 5000 characters) of methods (including criteria) used to determine, for each flood scenario the impact on WFD protected areas (art 6.5.c) (less than 5000 characters)</p>
type	String5000Type
annotation	documentation Summary (less than 5000 characters) of methods (including criteria) used to determine, for each flood scenario the impact on WFD protected areas (art 6.5.c) (less than 5000 characters)

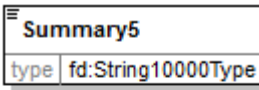
element **FHRM/Summary/Summary3_5**

diagram	 <p>Summary (less than 5000 characters) of methods (including criteria) used to determine, for each flood scenario the type of other information considered relevant by Member States (art 6.5.d) (less than 5000 characters)</p>
type	String5000Type
annotation	documentation Summary (less than 5000 characters) of methods (including criteria) used to determine, for each flood scenario the type of other information considered relevant by Member States (art 6.5.d) (less than 5000 characters)

element **FHRM/Summary/Summary4**

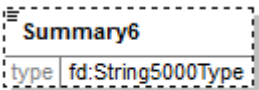
diagram	 <p>CONDITIONAL. Only to be reported if international UoM. Summary text (less than 5000 characters) on how coordination at the level of the River Basin District / Unit of Management was carried out in preparing the flood maps (art 6.1), including explaining how the prior exchange of information has been assured for RBD/UoM shared between different Member States (art 6.2)</p>
type	String5000Type
annotation	documentation CONDITIONAL. Only to be reported if international UoM. Summary text (less than 5000 characters) on how coordination at the level of the River Basin District / Unit of Management was carried out in preparing the flood maps (art 6.1), including explaining how the prior exchange of information has been assured for RBD/UoM shared between different Member States (art 6.2)

element **FHRM/Summary/Summary5**

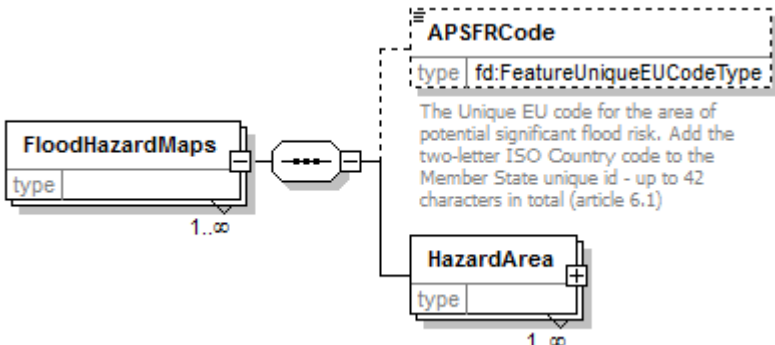
diagram	 <p>Summary text (less than 10.000 characters) with explanation (to be made available for the public through WISE) on how to understand the flood maps contents, scale, purpose/use, accuracy, legends, date of publication, responsible authorities, links to further information (art 10.1)</p>
type	String10000Type

annotation	documentation Summary text (less than 10.000 characters) with explanation (to be made available for the public through WISE) on how to understand the flood maps contents, scale, purpose/use, accuracy, legends, date of publication, responsible authorities, links to further information (art 10.1)
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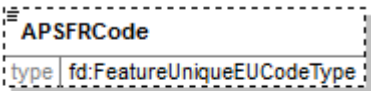
element **FHRM/Summary/Summary6**

diagram	 <p>CONDITIONAL. To be provided if Article 13(2) has been applied. Summary text (less than 5.000 characters) with notification of use of article 13.2, which may include summary of additional relevant information to justify that the maps provided in accordance with article 13.2 provide a level of information equivalent to the requirements of article 6.</p>
type	String5000Type
annotation	documentation CONDITIONAL. To be provided if Article 13(2) has been applied. Summary text (less than 5.000 characters) with notification of use of article 13.2, which may include summary of additional relevant information to justify that the maps provided in accordance with article 13.2 provide a level of information equivalent to the requirements of article 6.

element **FHRM/FloodHazardMaps**

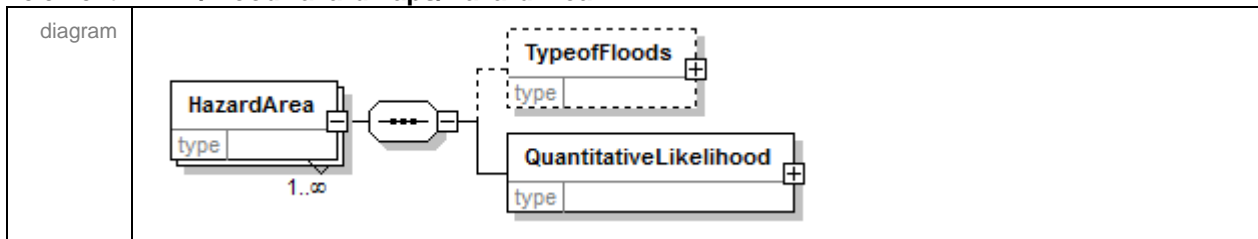
diagram	 <p>The Unique EU code for the area of potential significant flood risk. Add the two-letter ISO Country code to the Member State unique id - up to 42 characters in total (article 6.1)</p>
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element **FHRM/FloodHazardMaps/APSFRCCode**

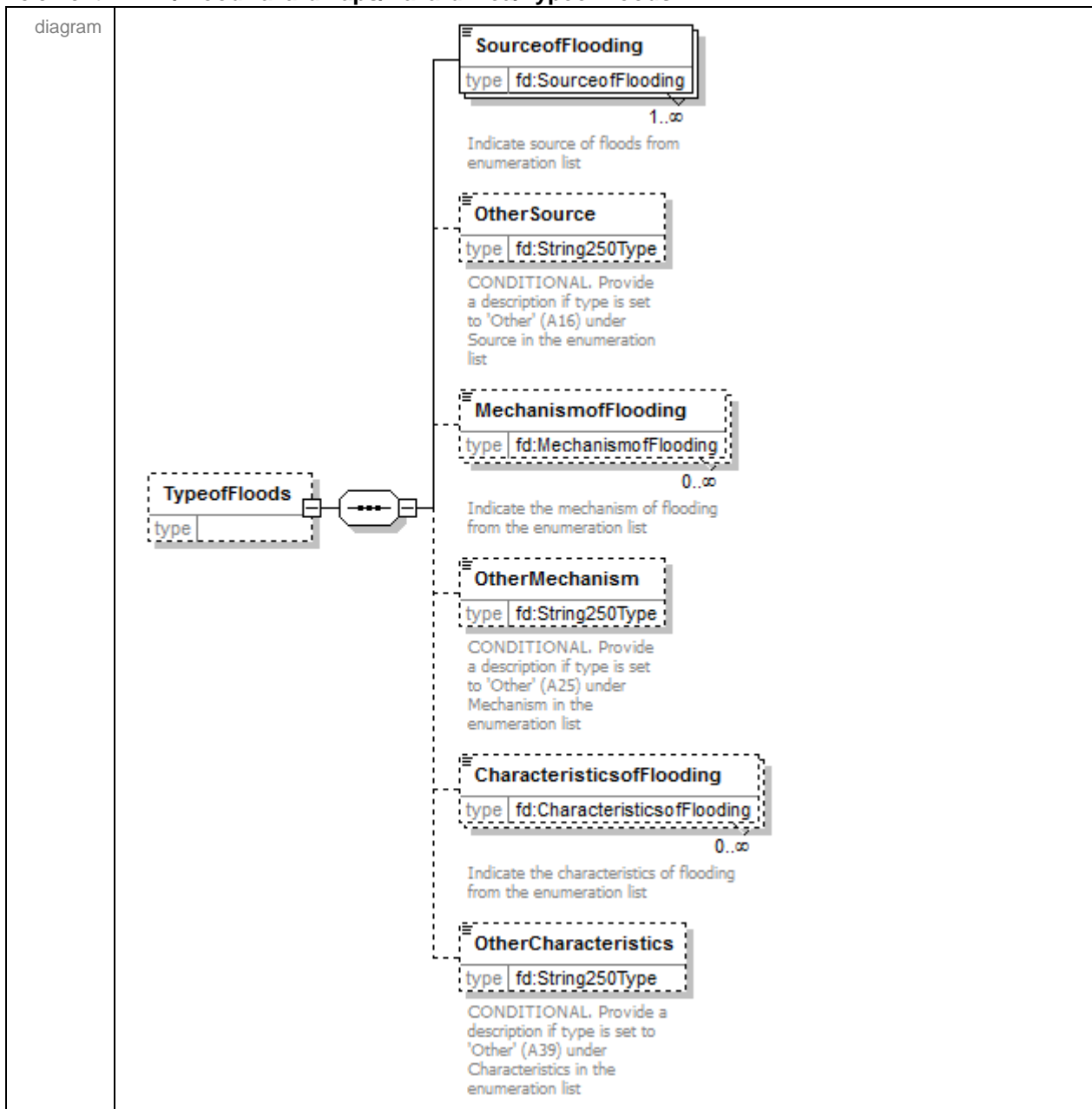
diagram	 <p>The Unique EU code for the area of potential significant flood risk. Add the two-letter ISO Country code to the Member State unique id - up to 42 characters in total (article 6.1)</p>
type	FeatureUniqueEUCodeType
annotation	documentation The Unique EU code for the area of potential significant flood risk. Add the two-letter ISO Country code to the

Member State unique id - up to 42 characters in total (article 6.1)

element **FHRM/FloodHazardMaps/HazardArea**



element **FHRM/FloodHazardMaps/HazardArea/TypeofFloods**



element **FHRM/FloodHazardMaps/HazardArea/TypeofFloods/SourceofFlooding**

diagram	<p>Indicate source of floods from enumeration list</p>																								
type	SourceofFlooding																								
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>A11</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A12</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A13</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A14</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A15</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A16</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A17</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	A11		enumeration	A12		enumeration	A13		enumeration	A14		enumeration	A15		enumeration	A16		enumeration	A17	
Kind	Value	annotation																							
enumeration	A11																								
enumeration	A12																								
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enumeration	A14																								
enumeration	A15																								
enumeration	A16																								
enumeration	A17																								
annotation	documentation Indicate source of floods from enumeration list																								

element **FHRM/FloodHazardMaps/HazardArea/TypeofFloods/OtherSource**

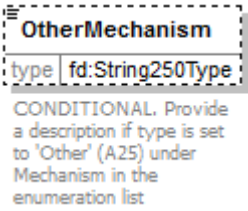
diagram	<p>CONDITIONAL. Provide a description if type is set to 'Other' (A16) under Source in the enumeration list</p>
type	String250Type
annotation	documentation CONDITIONAL. Provide a description if type is set to 'Other' (A16) under Source in the enumeration list

element **FHRM/FloodHazardMaps/HazardArea/TypeofFloods/MechanismofFlooding**

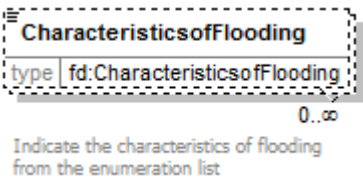
diagram	<p>Indicate the mechanism of flooding from the enumeration list</p>																					
type	MechanismofFlooding																					
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>A21</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A22</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A23</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A24</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A25</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A26</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	A21		enumeration	A22		enumeration	A23		enumeration	A24		enumeration	A25		enumeration	A26	
Kind	Value	annotation																				
enumeration	A21																					
enumeration	A22																					
enumeration	A23																					
enumeration	A24																					
enumeration	A25																					
enumeration	A26																					

annotation	documentation Indicate the mechanism of flooding from the enumeration list
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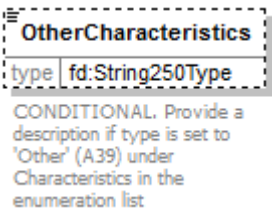
element **FHRM/FloodHazardMaps/HazardArea/TypeofFloods/OtherMechanism**

diagram	 <p>CONDITIONAL. Provide a description if type is set to 'Other' (A25) under Mechanism in the enumeration list</p>
type	String250Type
annotation	documentation CONDITIONAL. Provide a description if type is set to 'Other' (A25) under Mechanism in the enumeration list

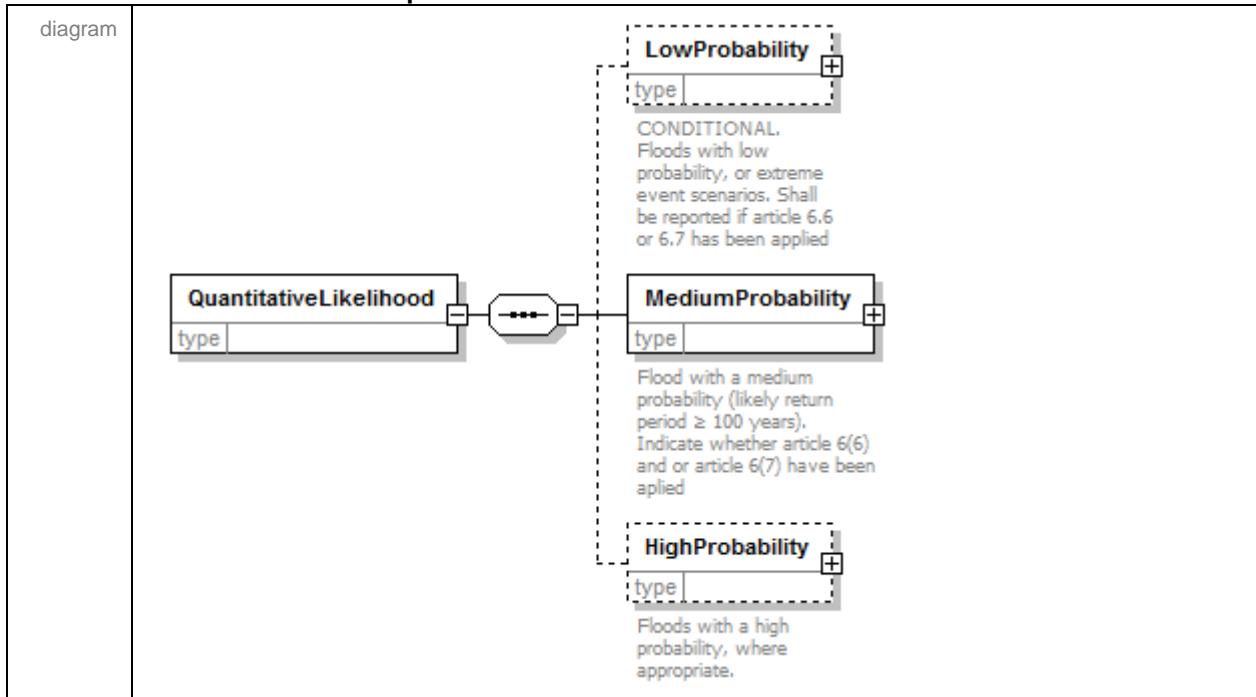
element **FHRM/FloodHazardMaps/HazardArea/TypeofFloods/CharacteristicsofFlooding**

diagram	 <p>Indicate the characteristics of flooding from the enumeration list</p> <p>0..∞</p>																																	
type	CharacteristicsofFlooding																																	
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr><td>enumeration</td><td>A31</td><td></td></tr> <tr><td>enumeration</td><td>A32</td><td></td></tr> <tr><td>enumeration</td><td>A33</td><td></td></tr> <tr><td>enumeration</td><td>A34</td><td></td></tr> <tr><td>enumeration</td><td>A35</td><td></td></tr> <tr><td>enumeration</td><td>A36</td><td></td></tr> <tr><td>enumeration</td><td>A37</td><td></td></tr> <tr><td>enumeration</td><td>A38</td><td></td></tr> <tr><td>enumeration</td><td>A39</td><td></td></tr> <tr><td>enumeration</td><td>A40</td><td></td></tr> </tbody> </table>	Kind	Value	annotation	enumeration	A31		enumeration	A32		enumeration	A33		enumeration	A34		enumeration	A35		enumeration	A36		enumeration	A37		enumeration	A38		enumeration	A39		enumeration	A40	
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enumeration	A40																																	
annotation	documentation Indicate the characteristics of flooding from the enumeration list																																	

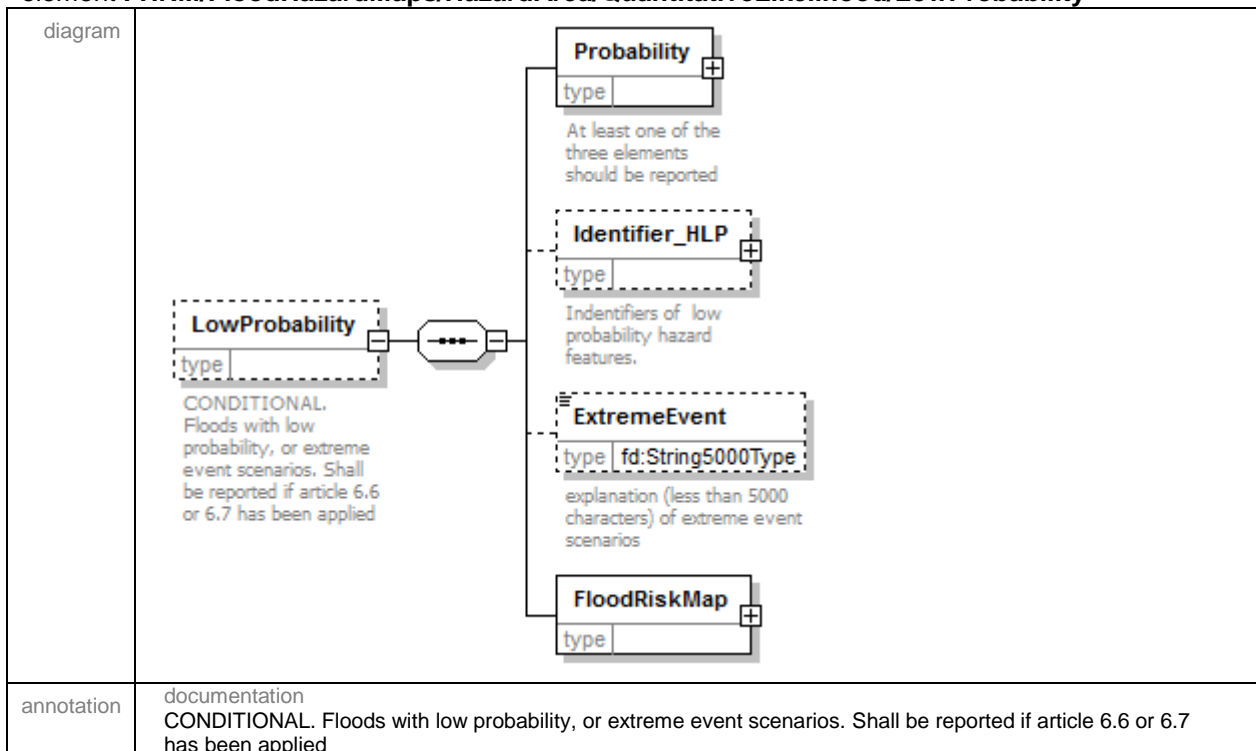
element **FHRM/FloodHazardMaps/HazardArea/TypeofFloods/OtherCharacteristics**

diagram	 <p>CONDITIONAL. Provide a description if type is set to 'Other' (A39) under Characteristics in the enumeration list</p>
type	String250Type
annotation	documentation CONDITIONAL. Provide a description if type is set to 'Other' (A39) under Characteristics in the enumeration list

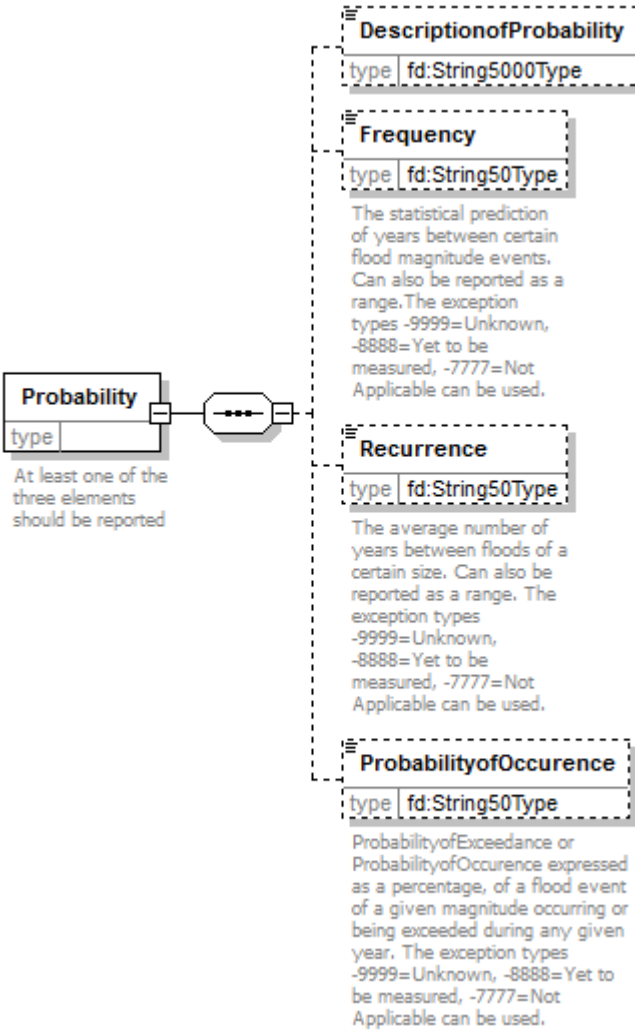
element **FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood**



element **FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability**



element **FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/Probability**

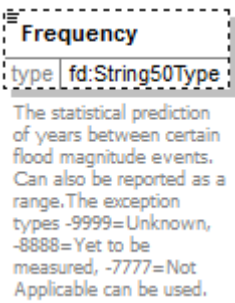
<p>diagram</p>	 <p>Probability type</p> <p>At least one of the three elements should be reported</p> <p>DescriptionofProbability type fd:String5000Type</p> <p>Frequency type fd:String50Type</p> <p>The statistical prediction of years between certain flood magnitude events. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p> <p>Recurrence type fd:String50Type</p> <p>The average number of years between floods of a certain size. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p> <p>ProbabilityofOccurrence type fd:String50Type</p> <p>ProbabilityofExceedance or ProbabilityofOccurrence expressed as a percentage, of a flood event of a given magnitude occurring or being exceeded during any given year. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
<p>annotation</p>	<p>documentation At least one of the three elements should be reported</p>

element **FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/Probability/DescriptionofProbability**

<p>diagram</p>	 <p>DescriptionofProbability type fd:String5000Type</p>
<p>type</p>	<p>String5000Type</p>

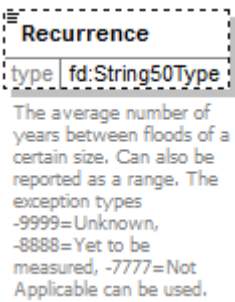
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/Probability/Frequency

diagram	 <p>The statistical prediction of years between certain flood magnitude events. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
type	String50Type
annotation	documentation The statistical prediction of years between certain flood magnitude events. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.

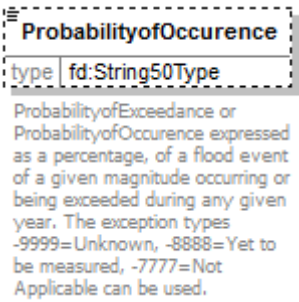
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/Probability/Recurrence

diagram	 <p>The average number of years between floods of a certain size. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
type	String50Type
annotation	documentation The average number of years between floods of a certain size. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/Probability/ProbabilityofOccurrence

diagram	 <p>ProbabilityofExceedance or ProbabilityofOccurrence expressed as a percentage, of a flood event of a given magnitude occurring or being exceeded during any given year. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
type	String50Type
annotation	documentation ProbabilityofExceedance or ProbabilityofOccurrence expressed as a percentage, of a flood event of a given

	magnitude occurring or being exceeded during any given year. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.
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element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/Identifier_HLP

diagram	<p>Identifiers of low probability hazard features.</p> <p>If the low probability hazard area exists of more than one feature - a Unique EU code of all the features within the low probability hazard area must be provided. Codes MUST have a 1-to-1 relationship with spatial data reported. Please notice that multi polygons is not allowed to report and should be split into separate polygons</p>
annotation	documentation Identifiers of low probability hazard features.

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/Identifier_HLP/EU_CD_HLP

diagram	<p>If the low probability hazard area exists of more than one feature - a Unique EU code of all the features within the low probability hazard area must be provided. Codes MUST have a 1-to-1 relationship with spatial data reported. Please notice that multi polygons is not allowed to report and should be split into separate polygons</p>
type	FeatureUniqueCodeType
annotation	documentation If the low probability hazard area exists of more than one feature - a Unique EU code of all the features within the low probability hazard area must be provided. Codes MUST have a 1-to-1 relationship with spatial data reported. Please notice that multi polygons is not allowed to report and should be split into separate polygons

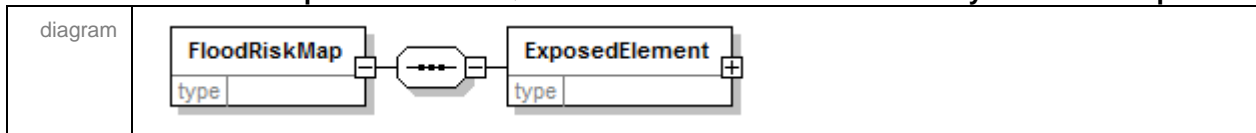
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/ExtremeEvent

diagram	<p>explanation (less than 5000 characters) of extreme event scenarios</p>
type	String5000Type
annotation	documentation explanation (less than 5000 characters) of extreme event scenarios

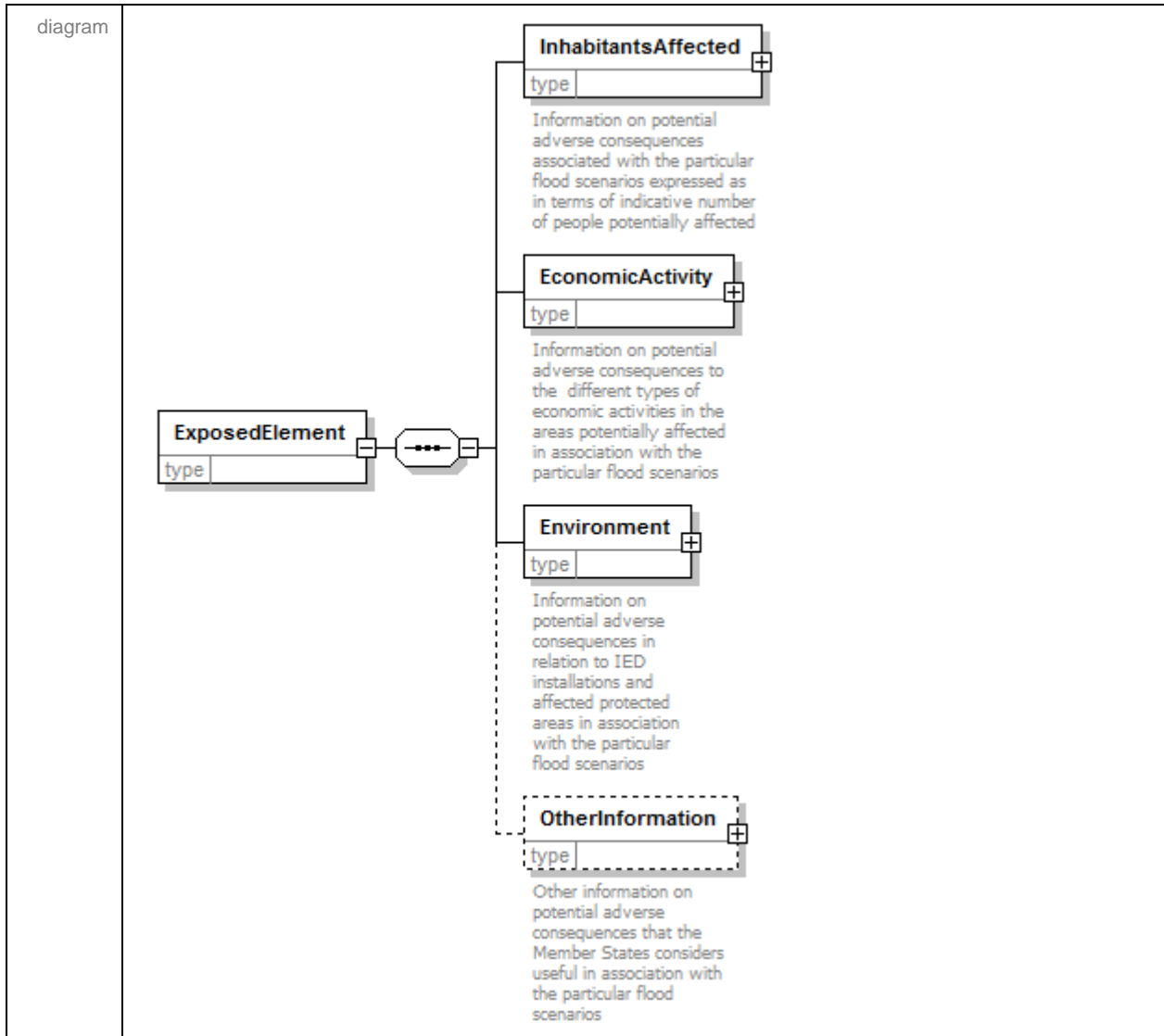
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap



element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement



element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/InhabitantsAffected

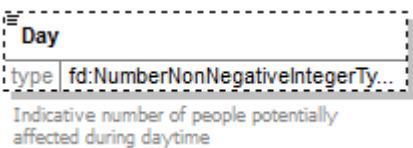
<p>diagram</p>	<p>InhabitantsAffected type</p> <p>Information on potential adverse consequences associated with the particular flood scenarios expressed as in terms of indicative number of people potentially affected</p> <p>OverAll_InhabitantsAffected type fd:NumberNonNegativeIntegerTy... The overall indicative number of people in the area potentially affected. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p> <p>Day type fd:NumberNonNegativeIntegerTy... Indicative number of people potentially affected during daytime</p> <p>Night type fd:NumberNonNegativeIntegerTy... Indicative number of people potentially affected during nighttime</p> <p>TransitoryPopulation type fd:NumberNonNegativeIntegerTy... Indicative number of transitory people potentially affected. Eg, tourists likely to be in the location, visitors at camping sites, etc</p> <p>OtherPeople type fd:NumberNonNegativeIntegerTy... Indicative number of other people potentially affected</p>
<p>annotation</p>	<p>documentation Information on potential adverse consequences associated with the particular flood scenarios expressed as in terms of indicative number of people potentially affected</p>

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/InhabitantsAffected/OverAll_InhabitantsAffected

<p>diagram</p>	<p>OverAll_InhabitantsAffected type fd:NumberNonNegativeIntegerTy... The overall indicative number of people in the area potentially affected. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
<p>type</p>	<p>NumberNonNegativeIntegerType</p>
<p>annotation</p>	<p>documentation The overall indicative number of people in the area potentially affected. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>

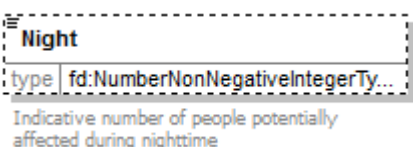
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/InhabitantsAffected/Day

diagram	
type	NumberNonNegativeIntegerType
annotation	documentation Indicative number of people potentially affected during daytime

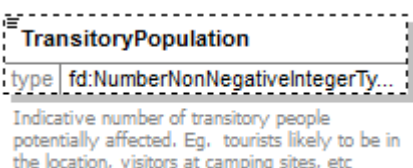
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/InhabitantsAffected/Night

diagram	
type	NumberNonNegativeIntegerType
annotation	documentation Indicative number of people potentially affected during nighttime

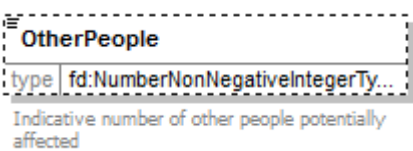
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/InhabitantsAffected/TransitoryPopulation

diagram	
type	NumberNonNegativeIntegerType
annotation	documentation Indicative number of transitory people potentially affected. Eg. tourists likely to be in the location, visitors at camping sites, etc

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/InhabitantsAffected/OtherPeople

diagram	
type	NumberNonNegativeIntegerType
annotation	documentation Indicative number of other people potentially affected

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/EconomicActivity

<p>diagram</p>	<p>EconomicActivity type</p> <p>Information on potential adverse consequences to the different types of economic activities in the areas potentially affected in association with the particular flood scenarios</p> <p>EconomicActivityConsequence type</p> <p>1..∞</p> <p>NACECodes type</p>
<p>annotation</p>	<p>documentation Information on potential adverse consequences to the different types of economic activities in the areas potentially affected in association with the particular flood scenarios</p>

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/EconomicActivity/EconomicActivityConsequence

<p>diagram</p>	<p>EconomicActivityConsequence type</p> <p>1..∞</p> <p>TypeEconomicActivity type fd:TypeEconomic</p> <p>Indicate consequence from enumeration list</p> <p>OtherConsequenceDescription type fd:String250Type</p> <p>CONDITIONAL. Only to be used if the type is set to 'Other' in the enumeration list</p>
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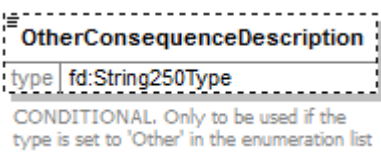
element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/EconomicActivity/EconomicActivityConsequence/TypeEconomicActivity

<p>diagram</p>	<p>TypeEconomicActivity type fd:TypeEconomic</p> <p>Indicate consequence from enumeration list</p>																					
<p>type</p>	<p>TypeEconomic</p>																					
<p>facets</p>	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>B41</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B42</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B43</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B44</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B45</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B46</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	B41		enumeration	B42		enumeration	B43		enumeration	B44		enumeration	B45		enumeration	B46	
Kind	Value	annotation																				
enumeration	B41																					
enumeration	B42																					
enumeration	B43																					
enumeration	B44																					
enumeration	B45																					
enumeration	B46																					

annotation	documentation Indicate consequence from enumeration list
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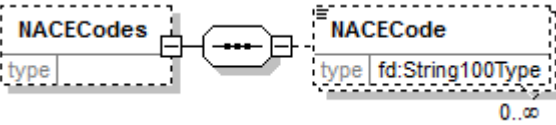
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/EconomicActivity/EconomicActivityConsequence/OtherConsequenceDescription

diagram	 <p>The diagram shows a dashed box representing the OtherConsequenceDescription element. Inside the box, it specifies the type as <code>fd:String250Type</code>. Below the box, a note states: "CONDITIONAL. Only to be used if the type is set to 'Other' in the enumeration list".</p>
type	String250Type
annotation	documentation CONDITIONAL. Only to be used if the type is set to 'Other' in the enumeration list

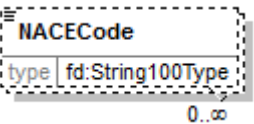
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/EconomicActivity/NACECodes

diagram	 <p>The diagram shows a dashed box representing the NACECodes element. It contains a sub-element NACECode with the type <code>fd:String100Type</code>. The cardinality <code>0..∞</code> is indicated below the sub-element box. The diagram uses standard XML Schema notation for containment and cardinality.</p>
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element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/EconomicActivity/NACECodes/NACECode

diagram	 <p>The diagram shows a dashed box representing the NACECode element. It specifies the type as <code>fd:String100Type</code>. The cardinality <code>0..∞</code> is indicated below the box.</p>
type	String100Type

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/Environment

<p>diagram</p>	<p>Environment type Information on potential adverse consequences in relation to IED installations and affected protected areas in association with the particular flood scenarios</p> <p>EnvironmentalConsequences type 1..∞</p> <p>IEDInstallations type</p> <p>ProtectedAreas type 0..∞</p> <p>OtherInformation type fd:String5000Type Summary (less than 5000 characters) of information relevant for the reported information on IED installations and/or protected areas</p>
<p>annotation</p>	<p>documentation Information on potential adverse consequences in relation to IED installations and affected protected areas in association with the particular flood scenarios</p>

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/Environment/EnvironmentalConsequences

<p>diagram</p>	<p>EnvironmentalConsequences type 1..∞</p> <p>TypeEnvironment type fd:TypeEnvironment Indicate consequence from enumeration list</p> <p>OtherConsequenceDescription type fd:String250Type CONDITIONAL. Only to be used if the type is set to 'Other' in the enumeration list</p>
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element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/Environment/EnvironmentalConsequences/TypeEnvironment

<p>diagram</p>	<p>TypeEnvironment type fd:TypeEnvironment Indicate consequence from enumeration list</p>
<p>type</p>	<p>TypeEnvironment</p>
<p>facets</p>	<p>Kind Value annotation</p>

	enumeration B21 enumeration B22 enumeration B23 enumeration B24 enumeration B25
annotation	documentation Indicate consequence from enumeration list

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/Environment/EnvironmentalConsequences/OtherConsequenceDescription

diagram	
type	String250Type
annotation	documentation CONDITIONAL. Only to be used if the type is set to 'Other' in the enumeration list

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/Environment/IEDInstallations

diagram	
---------	--

element

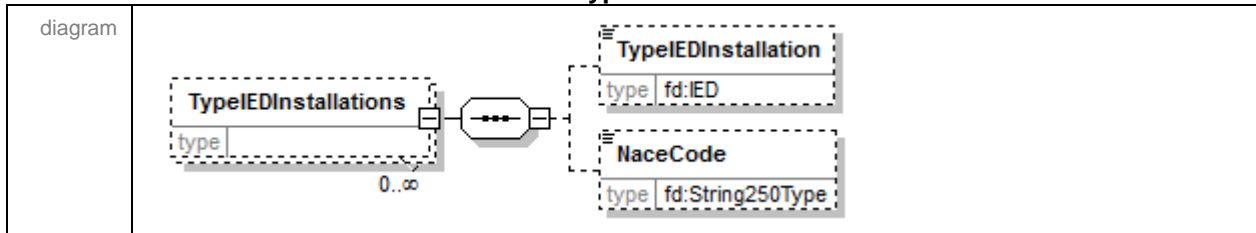
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/Environment/IEDInstallations/AffectedIEDInstallations

diagram	
type	NumberNonNegativeIntegerType

annotation	documentation Number of IED installations potentially affected. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.
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element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/Environment/IEDInstallations/TypeIEDInstallations



element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/Environment/IEDInstallations/TypeIEDInstallations/TypeIEDInstallation

diagram	<pre> classDiagram class TypeIEDInstallation { type fd:IED } </pre>		
type	IED		
facets	Kind	Value	annotation
	enumeration	1	
	enumeration	1.1	
	enumeration	1.2	
	enumeration	1.3	
	enumeration	1.4.a	
	enumeration	1.4.b	
	enumeration	2	
	enumeration	2.1	
	enumeration	2.2	
	enumeration	2.3.a	
	enumeration	2.3.b	
	enumeration	2.3.c	
	enumeration	2.4	
	enumeration	2.5.a	
	enumeration	2.5.b	
	enumeration	2.6	
	enumeration	3	
	enumeration	3.1.a	
	enumeration	3.1.b	
	enumeration	3.1.c	
	enumeration	3.2	
	enumeration	3.3	
	enumeration	3.4	
	enumeration	3.5	
	enumeration	4	

enumeration	4.1.a
enumeration	4.1.b
enumeration	4.1.c
enumeration	4.1.d
enumeration	4.1.e
enumeration	4.1.f
enumeration	4.1.g
enumeration	4.1.h
enumeration	4.1.i
enumeration	4.1.j
enumeration	4.1.k
enumeration	4.2.a
enumeration	4.2.b
enumeration	4.2.c
enumeration	4.2.d
enumeration	4.2.e
enumeration	4.3
enumeration	4.4
enumeration	4.5
enumeration	4.6
enumeration	5
enumeration	5.1.a
enumeration	5.1.b
enumeration	5.1.c
enumeration	5.1.d
enumeration	5.1.e
enumeration	5.1.f
enumeration	5.1.g
enumeration	5.1.h
enumeration	5.1.i
enumeration	5.1.j
enumeration	5.1.k
enumeration	5.2.a
enumeration	5.2.b
enumeration	5.3.a.i
enumeration	5.3.a.ii
enumeration	5.3.a.iii
enumeration	5.3.a.iv
enumeration	5.3.a.v
enumeration	5.3.b.i
enumeration	5.3.b.ii
enumeration	5.3.b.iii
enumeration	5.3.b.iv
enumeration	5.4
enumeration	5.5
enumeration	5.6
enumeration	6

enumeration	6.1.a
enumeration	6.1.b
enumeration	6.1.c
enumeration	6.2
enumeration	6.3
enumeration	6.4.a
enumeration	6.4.b.i
enumeration	6.4.b.ii
enumeration	6.4.b.iii
enumeration	6.4.c
enumeration	6.5
enumeration	6.6.a
enumeration	6.6.b
enumeration	6.6.c
enumeration	6.7
enumeration	6.8
enumeration	6.9
enumeration	6.10
enumeration	6.11

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/Environment/IEDInstallations/TypeIEDInstallations/NaceCode

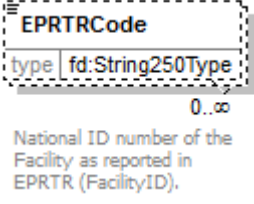
diagram	
type	String250Type

element

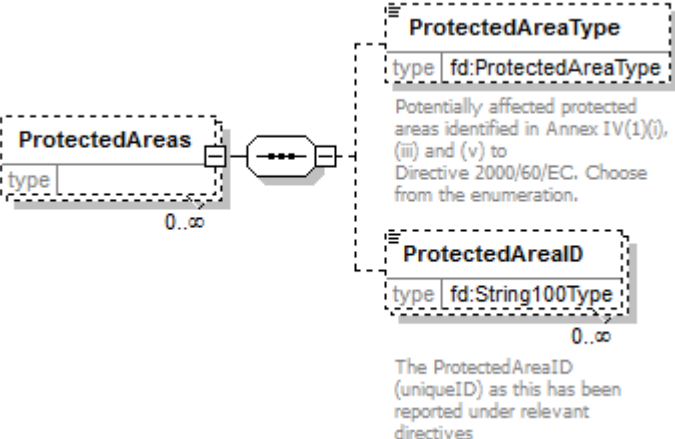
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/Environment/IEDInstallations/EPRTRCodes

diagram	<p>National ID number of the Facility as reported in EPRTR (FacilityID).</p>
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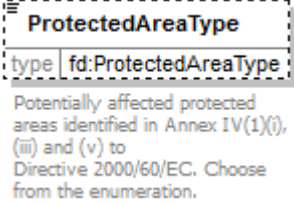
element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/Environment/IEDInstallations/EPRTTRCodes/EPRTTRCode

diagram	 <p>EPRTTRCode type fd:String250Type 0..∞ National ID number of the Facility as reported in EPRTTR (FacilityID).</p>
type	String250Type
annotation	documentation National ID number of the Facility as reported in EPRTTR (FacilityID).

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/Environment/ProtectedAreas

diagram	 <p>ProtectedAreas type fd:ProtectedAreaType 0..∞</p> <p>ProtectedAreaType type fd:ProtectedAreaType Potentially affected protected areas identified in Annex IV(1)(i), (iii) and (v) to Directive 2000/60/EC. Choose from the enumeration.</p> <p>ProtectedAreaID type fd:String100Type 0..∞ The ProtectedAreaID (uniqueID) as this has been reported under relevant directives</p>
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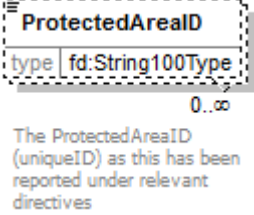
element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/Environment/ProtectedAreas/ ProtectedAreaType

diagram	 <p>ProtectedAreaType type fd:ProtectedAreaType Potentially affected protected areas identified in Annex IV(1)(i), (iii) and (v) to Directive 2000/60/EC. Choose from the enumeration.</p>																		
type	ProtectedAreaType																		
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>Bathing</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Birds</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Habitats</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Nitrates</td> <td></td> </tr> <tr> <td>enumeration</td> <td>UWWT</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	Bathing		enumeration	Birds		enumeration	Habitats		enumeration	Nitrates		enumeration	UWWT	
Kind	Value	annotation																	
enumeration	Bathing																		
enumeration	Birds																		
enumeration	Habitats																		
enumeration	Nitrates																		
enumeration	UWWT																		

	<p>enumeration Article 7 Abstraction for drinking water</p> <p>enumeration WFD_WaterBodies</p> <p>enumeration EuropeanOther</p> <p>enumeration National</p> <p>enumeration Local</p>
annotation	<p>documentation</p> <p>Potentially affected protected areas identified in Annex IV(1)(i), (iii) and (v) to Directive 2000/60/EC. Choose from the enumeration.</p>

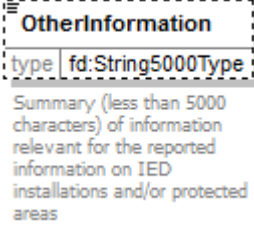
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/Environment/ProtectedAreas/ProtectedAreaID

diagram	 <p>The ProtectedAreaID (uniqueID) as this has been reported under relevant directives</p>
type	String100Type
annotation	<p>documentation</p> <p>The ProtectedAreaID (uniqueID) as this has been reported under relevant directives</p>

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/Environment/OtherInformation

diagram	 <p>Summary (less than 5000 characters) of information relevant for the reported information on IED installations and/or protected areas</p>
type	String5000Type
annotation	<p>documentation</p> <p>Summary (less than 5000 characters) of information relevant for the reported information on IED installations and/or protected areas</p>

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/OtherInformation

<p>diagram</p>	
<p>annotation</p>	<p>documentation Other information on potential adverse consequences that the Member States considers useful in association with the particular flood scenarios</p>

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/OtherInformation/CulturalHeritageConsequence

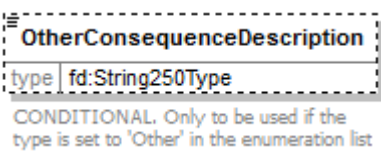
<p>diagram</p>	
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element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/OtherInformation/CulturalHeritageConsequence/TypeCulturalHeritage

<p>diagram</p>																
<p>type</p>	<p>TypeCulturalHeritage</p>															
<p>facets</p>	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>B31</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B32</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B33</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B34</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	B31		enumeration	B32		enumeration	B33		enumeration	B34	
Kind	Value	annotation														
enumeration	B31															
enumeration	B32															
enumeration	B33															
enumeration	B34															
<p>annotation</p>	<p>documentation Indicate consequence from enumeration list</p>															

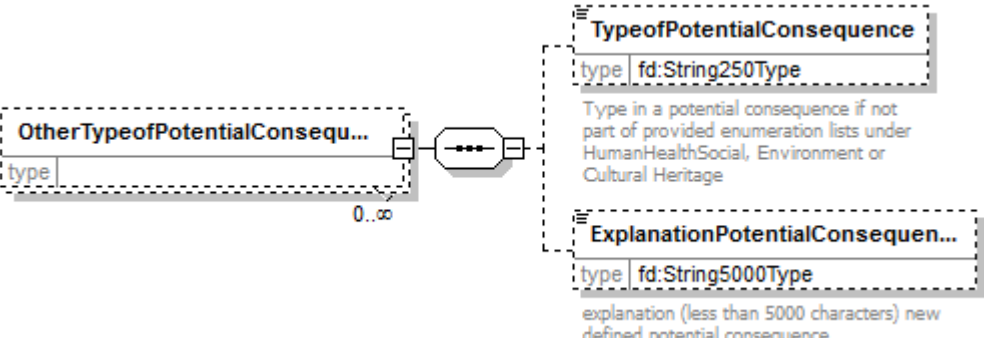
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/OtherInformation/CulturalHeritageConsequence/OtherConsequenceDescription

diagram	 <p>OtherConsequenceDescription type fd:String250Type</p> <p>CONDITIONAL. Only to be used if the type is set to 'Other' in the enumeration list</p>
type	String250Type
annotation	documentation CONDITIONAL. Only to be used if the type is set to 'Other' in the enumeration list

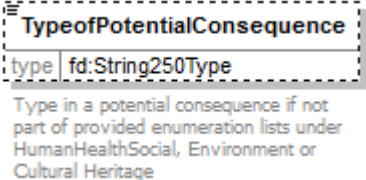
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/OtherInformation/OtherTypeofPotentialConsequences

diagram	 <p>OtherTypeofPotentialConsequ... type</p> <p>0..∞</p> <p>TypeofPotentialConsequence type fd:String250Type</p> <p>Type in a potential consequence if not part of provided enumeration lists under HumanHealthSocial, Environment or Cultural Heritage</p> <p>ExplanationPotentialConsequen... type fd:String5000Type</p> <p>explanation (less than 5000 characters) new defined potential consequence</p>
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element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/OtherInformation/OtherTypeofPotentialConsequences/TypeofPotentialConsequence

diagram	 <p>TypeofPotentialConsequence type fd:String250Type</p> <p>Type in a potential consequence if not part of provided enumeration lists under HumanHealthSocial, Environment or Cultural Heritage</p>
type	String250Type
annotation	documentation Type in a potential consequence if not part of provided enumeration lists under HumanHealthSocial, Environment or Cultural Heritage

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/LowProbability/FloodRiskMap/ExposedElement/OtherInformation/OtherTypeofPotentialConsequences/ExplanationPotentialConsequence

diagram	
type	String5000Type
annotation	documentation explanation (less than 5000 characters) new defined potential consequence

element **FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability**

diagram	
annotation	documentation Flood with a medium probability (likely return period \geq 100 years). Indicate whether article 6(6) and or article 6(7) have been applied

element

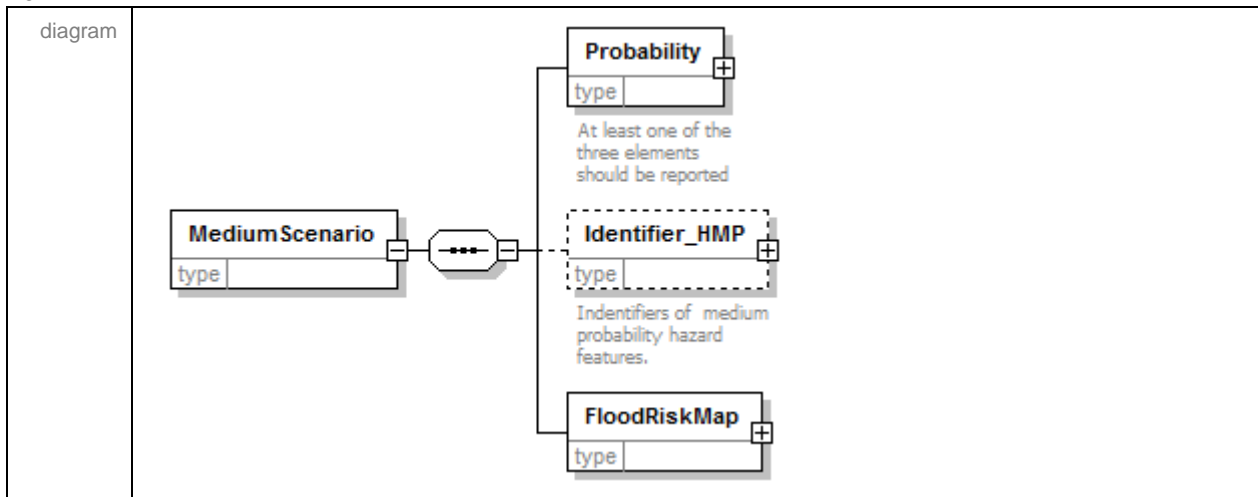
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/Article6.6_6.7

diagram	
type	YesCode
facets	Kind enumeration Value Y annotation enumeration
annotation	documentation Indicate (Y) if Article 6(6) or/and Article 6(7) have been applied.

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenari

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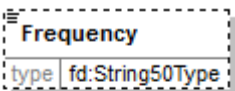
element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/Probability

<p>diagram</p>	<p>At least one of the three elements should be reported</p> <p>DescriptionofProbability type fd:String5000Type</p> <p>Frequency type fd:String50Type The statistical prediction of years between certain flood magnitude events. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p> <p>Recurrence type fd:String50Type The average number of years between floods of a certain size. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p> <p>ProbabilityofOccurrence type fd:String50Type ProbabilityofExceedance or ProbabilityofOccurrence expressed as a percentage, of a flood event of a given magnitude occurring or being exceeded during any given year. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
<p>annotation</p>	<p>documentation At least one of the three elements should be reported</p>

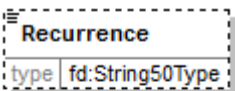
element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/Probability/DescriptionofProbability

<p>diagram</p>	<p>DescriptionofProbability type fd:String5000Type</p>
<p>type</p>	<p>String5000Type</p>

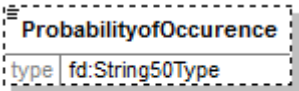
element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/Probability/Frequency

diagram	 <p>The statistical prediction of years between certain flood magnitude events. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
type	String50Type
annotation	documentation The statistical prediction of years between certain flood magnitude events. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/Probability/Recurrence

diagram	 <p>The average number of years between floods of a certain size. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
type	String50Type
annotation	documentation The average number of years between floods of a certain size. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/Probability/ProbabilityofOccurrence

diagram	 <p>ProbabilityofExceedance or ProbabilityofOccurrence expressed as a percentage, of a flood event of a given magnitude occurring or being exceeded during any given year. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
type	String50Type
annotation	documentation ProbabilityofExceedance or ProbabilityofOccurrence expressed as a percentage, of a flood event of a given

	magnitude occurring or being exceeded during any given year. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.
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element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/Identifier_HMP

diagram	<p>Identifiers of medium probability hazard features.</p> <p>If the medium probability hazard area exists of more than one feature (area) - a Unique EU code of all the features within the medium probability hazard area must be provided. Codes MUST have a 1-to-1 relationship with spatial data reported. Please notice that multi polygons is not allowed to report and should be split into separate polygons</p>
annotation	documentation Identifiers of medium probability hazard features.

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/Identifier_HMP/EU_CD_HMP

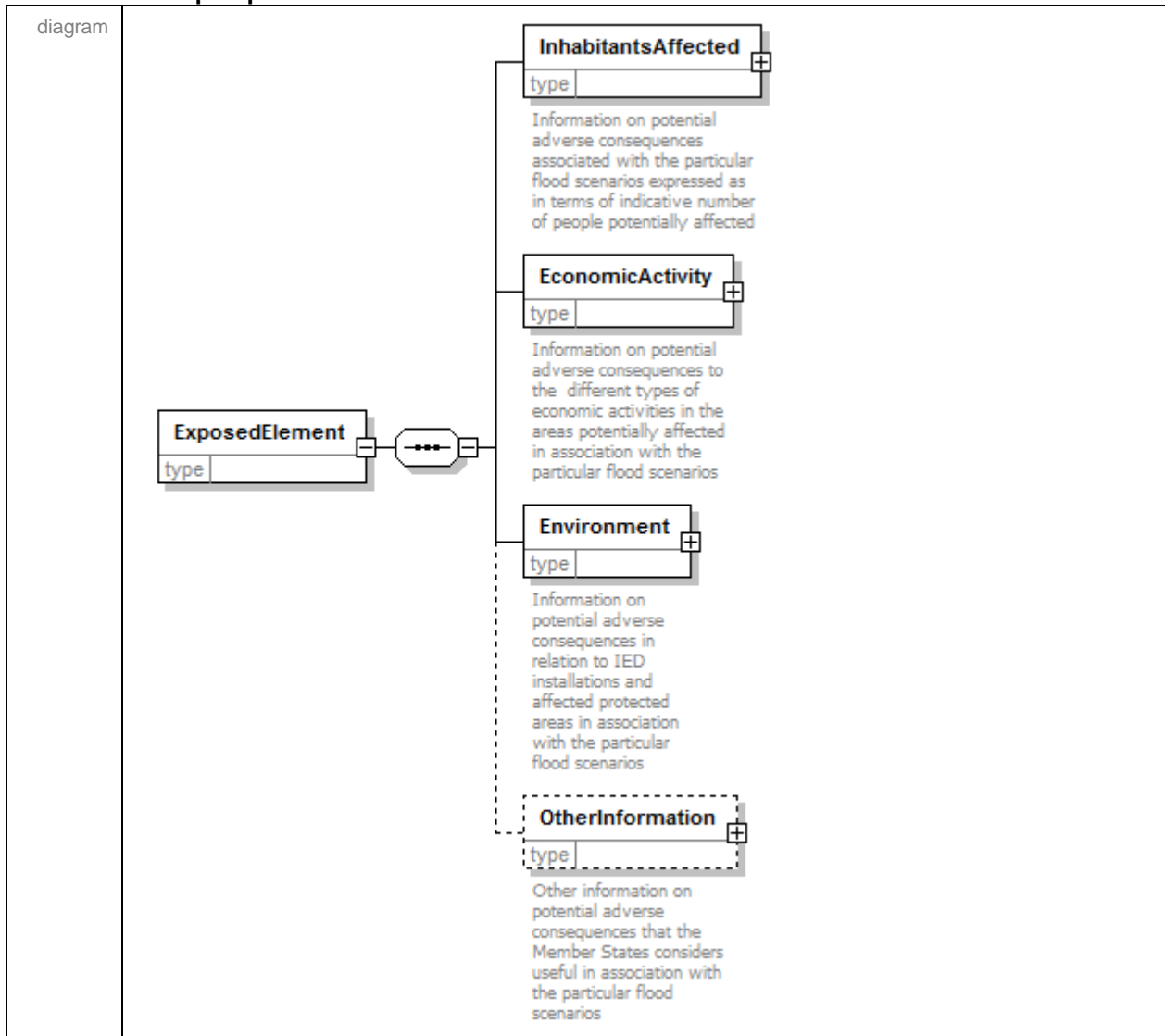
diagram	<p>If the medium probability hazard area exists of more than one feature (area) - a Unique EU code of all the features within the medium probability hazard area must be provided. Codes MUST have a 1-to-1 relationship with spatial data reported. Please notice that multi polygons is not allowed to report and should be split into separate polygons</p>
type	FeatureUniqueCodeType
annotation	documentation If the medium probability hazard area exists of more than one feature (area) - a Unique EU code of all the features within the medium probability hazard area must be provided. Codes MUST have a 1-to-1 relationship with spatial data reported. Please notice that multi polygons is not allowed to report and should be split into separate polygons

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap

diagram	
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element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/

o/FloodRiskMap/ExposedElement



element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/InhabitantsAffected

<p>diagram</p>	<pre> classDiagram class InhabitantsAffected { type } class OverAll_InhabitantsAffected { type fd:NumberNonNegativeIntegerTy... } class Day { type fd:NumberNonNegativeIntegerTy... } class Night { type fd:NumberNonNegativeIntegerTy... } class TransitoryPopulation { type fd:NumberNonNegativeIntegerTy... } class OtherPeople { type fd:NumberNonNegativeIntegerTy... } InhabitantsAffected -- > OverAll_InhabitantsAffected InhabitantsAffected -- > Day InhabitantsAffected -- > Night InhabitantsAffected -- > TransitoryPopulation InhabitantsAffected -- > OtherPeople </pre> <p>InhabitantsAffected type</p> <p>Information on potential adverse consequences associated with the particular flood scenarios expressed as in terms of indicative number of people potentially affected</p> <p>OverAll_InhabitantsAffected type fd:NumberNonNegativeIntegerTy...</p> <p>The overall indicative number of people in the area potentially affected. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p> <p>Day type fd:NumberNonNegativeIntegerTy...</p> <p>Indicative number of people potentially affected during daytime</p> <p>Night type fd:NumberNonNegativeIntegerTy...</p> <p>Indicative number of people potentially affected during nighttime</p> <p>TransitoryPopulation type fd:NumberNonNegativeIntegerTy...</p> <p>Indicative number of transitory people potentially affected. Eg, tourists likely to be in the location, visitors at camping sites, etc</p> <p>OtherPeople type fd:NumberNonNegativeIntegerTy...</p> <p>Indicative number of other people potentially affected</p>
<p>annotation</p>	<p>documentation Information on potential adverse consequences associated with the particular flood scenarios expressed as in terms of indicative number of people potentially affected</p>

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/InhabitantsAffected/OverAll_InhabitantsAffected

<p>diagram</p>	<pre> classDiagram class OverAll_InhabitantsAffected { type fd:NumberNonNegativeIntegerTy... } </pre> <p>OverAll_InhabitantsAffected type fd:NumberNonNegativeIntegerTy...</p> <p>The overall indicative number of people in the area potentially affected. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
<p>type</p>	<p>NumberNonNegativeIntegerType</p>
<p>annotation</p>	<p>documentation The overall indicative number of people in the area potentially affected. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/InhabitantsAffected/Day

diagram	
type	NumberNonNegativeIntegerType
annotation	documentation Indicative number of people potentially affected during daytime

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/InhabitantsAffected/Night

diagram	
type	NumberNonNegativeIntegerType
annotation	documentation Indicative number of people potentially affected during nighttime

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/InhabitantsAffected/TransitoryPopulation

diagram	
type	NumberNonNegativeIntegerType
annotation	documentation Indicative number of transitory people potentially affected. Eg. tourists likely to be in the location, visitors at camping sites, etc

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/InhabitantsAffected/OtherPeople

diagram	
type	NumberNonNegativeIntegerType
annotation	documentation Indicative number of other people potentially affected

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/EconomicActivity

<p>diagram</p>	<p>Information on potential adverse consequences to the different types of economic activities in the areas potentially affected in association with the particular flood scenarios</p>
<p>annotation</p>	<p>documentation Information on potential adverse consequences to the different types of economic activities in the areas potentially affected in association with the particular flood scenarios</p>

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/EconomicActivity/EconomicActivityConsequence

<p>diagram</p>	<p>Indicate consequence from enumeration list</p> <p>CONDITIONAL. Only to be used if the type is set to 'Other' in the enumeration list</p>
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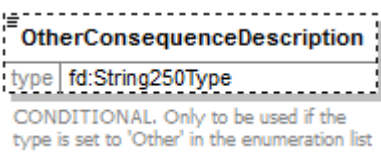
element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/EconomicActivity/EconomicActivityConsequence/TypeEconomicActivity

<p>diagram</p>	<p>Indicate consequence from enumeration list</p>																		
<p>type</p>	<p>TypeEconomic</p>																		
<p>facets</p>	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>B41</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B42</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B43</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B44</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B45</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	B41		enumeration	B42		enumeration	B43		enumeration	B44		enumeration	B45	
Kind	Value	annotation																	
enumeration	B41																		
enumeration	B42																		
enumeration	B43																		
enumeration	B44																		
enumeration	B45																		

	enumeration B46
annotation	documentation Indicate consequence from enumeration list

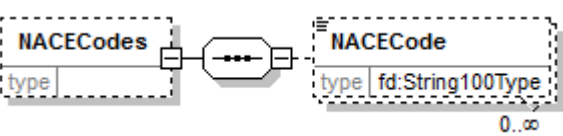
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/EconomicActivity/EconomicActivityConsequence/OtherConsequenceDescription

diagram	 <p>The diagram shows a dashed box representing the OtherConsequenceDescription element. Inside the box, it specifies <code>type fd:String250Type</code>. Below the box, a note reads: "CONDITIONAL. Only to be used if the type is set to 'Other' in the enumeration list".</p>
type	String250Type
annotation	documentation CONDITIONAL. Only to be used if the type is set to 'Other' in the enumeration list

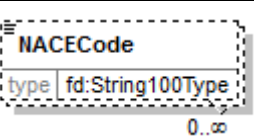
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/EconomicActivity/NACECodes

diagram	 <p>The diagram shows a dashed box representing the NACECodes element. Inside the box, it specifies <code>type</code> (with a blank space) and <code>fd:String100Type</code>. Below the box, the cardinality <code>0..∞</code> is indicated. The diagram also shows a connector symbol between the box and another dashed box representing the NACECode element, which also specifies <code>type fd:String100Type</code> and <code>0..∞</code>.</p>
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element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/EconomicActivity/NACECodes/NACECode

diagram	 <p>The diagram shows a dashed box representing the NACECode element. Inside the box, it specifies <code>type fd:String100Type</code>. Below the box, the cardinality <code>0..∞</code> is indicated.</p>
type	String100Type

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/Environment

<p>diagram</p>	<p>Environment type Information on potential adverse consequences in relation to IED installations and affected protected areas in association with the particular flood scenarios</p> <p>EnvironmentalConsequences type 1..∞</p> <p>IEDInstallations type 0..∞</p> <p>ProtectedAreas type 0..∞</p> <p>OtherInformation type fd:String5000Type Summary (less than 5000 characters) of information relevant for the reported information on IED installations and/or protected areas</p>
<p>annotation</p>	<p>documentation Information on potential adverse consequences in relation to IED installations and affected protected areas in association with the particular flood scenarios</p>

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/Environment/EnvironmentalConsequences

<p>diagram</p>	<p>EnvironmentalConsequences type 1..∞</p> <p>TypeEnvironment type fd:TypeEnvironment Indicate consequence from enumeration list</p> <p>OtherConsequenceDescription type fd:String250Type CONDITIONAL. Only to be used if the type is set to 'Other' in the enumeration list</p>
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element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/Environment/EnvironmentalConsequences/TypeEnvironment

<p>diagram</p>	<p>TypeEnvironment type fd:TypeEnvironment Indicate consequence from enumeration list</p>
<p>type</p>	<p>TypeEnvironment</p>
<p>facets</p>	<p>Kind Value annotation</p>

	enumeration B21 enumeration B22 enumeration B23 enumeration B24 enumeration B25
annotation	documentation Indicate consequence from enumeration list

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/Environment/EnvironmentalConsequences/OtherConsequenceDescription

diagram	
type	String250Type
annotation	documentation CONDITIONAL. Only to be used if the type is set to 'Other' in the enumeration list

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/Environment/IEDInstallations

diagram	
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element

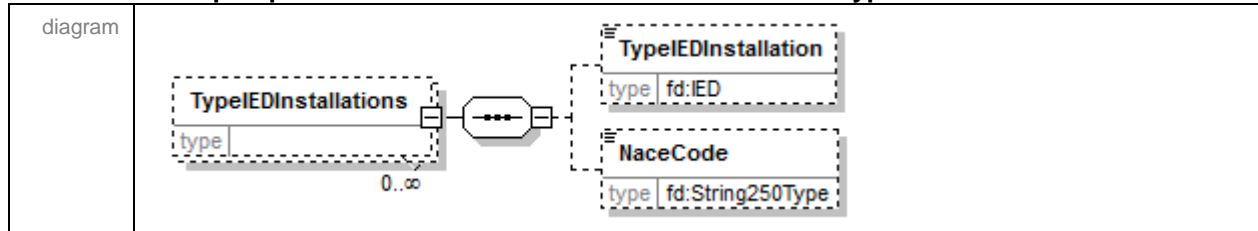
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/Environment/IEDInstallations/AffectedIEDInstallations

diagram	
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type	NumberNonNegativeIntegerType
annotation	documentation Number of IED installations potentially affected. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/Environment/IEDInstallations/TypeIEDInstallations



element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/Environment/IEDInstallations/TypeIEDInstallations/TypeIEDInstallation

diagram	<pre> classDiagram class TypeIEDInstallation { type fd:IED } </pre>																																																																								
type	IED																																																																								
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr><td>enumeration</td><td>1</td><td></td></tr> <tr><td>enumeration</td><td>1.1</td><td></td></tr> <tr><td>enumeration</td><td>1.2</td><td></td></tr> <tr><td>enumeration</td><td>1.3</td><td></td></tr> <tr><td>enumeration</td><td>1.4.a</td><td></td></tr> <tr><td>enumeration</td><td>1.4.b</td><td></td></tr> <tr><td>enumeration</td><td>2</td><td></td></tr> <tr><td>enumeration</td><td>2.1</td><td></td></tr> <tr><td>enumeration</td><td>2.2</td><td></td></tr> <tr><td>enumeration</td><td>2.3.a</td><td></td></tr> <tr><td>enumeration</td><td>2.3.b</td><td></td></tr> <tr><td>enumeration</td><td>2.3.c</td><td></td></tr> <tr><td>enumeration</td><td>2.4</td><td></td></tr> <tr><td>enumeration</td><td>2.5.a</td><td></td></tr> <tr><td>enumeration</td><td>2.5.b</td><td></td></tr> <tr><td>enumeration</td><td>2.6</td><td></td></tr> <tr><td>enumeration</td><td>3</td><td></td></tr> <tr><td>enumeration</td><td>3.1.a</td><td></td></tr> <tr><td>enumeration</td><td>3.1.b</td><td></td></tr> <tr><td>enumeration</td><td>3.1.c</td><td></td></tr> <tr><td>enumeration</td><td>3.2</td><td></td></tr> <tr><td>enumeration</td><td>3.3</td><td></td></tr> <tr><td>enumeration</td><td>3.4</td><td></td></tr> </tbody> </table>	Kind	Value	annotation	enumeration	1		enumeration	1.1		enumeration	1.2		enumeration	1.3		enumeration	1.4.a		enumeration	1.4.b		enumeration	2		enumeration	2.1		enumeration	2.2		enumeration	2.3.a		enumeration	2.3.b		enumeration	2.3.c		enumeration	2.4		enumeration	2.5.a		enumeration	2.5.b		enumeration	2.6		enumeration	3		enumeration	3.1.a		enumeration	3.1.b		enumeration	3.1.c		enumeration	3.2		enumeration	3.3		enumeration	3.4	
Kind	Value	annotation																																																																							
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enumeration	3.5
enumeration	4
enumeration	4.1.a
enumeration	4.1.b
enumeration	4.1.c
enumeration	4.1.d
enumeration	4.1.e
enumeration	4.1.f
enumeration	4.1.g
enumeration	4.1.h
enumeration	4.1.i
enumeration	4.1.j
enumeration	4.1.k
enumeration	4.2.a
enumeration	4.2.b
enumeration	4.2.c
enumeration	4.2.d
enumeration	4.2.e
enumeration	4.3
enumeration	4.4
enumeration	4.5
enumeration	4.6
enumeration	5
enumeration	5.1.a
enumeration	5.1.b
enumeration	5.1.c
enumeration	5.1.d
enumeration	5.1.e
enumeration	5.1.f
enumeration	5.1.g
enumeration	5.1.h
enumeration	5.1.i
enumeration	5.1.j
enumeration	5.1.k
enumeration	5.2.a
enumeration	5.2.b
enumeration	5.3.a.i
enumeration	5.3.a.ii
enumeration	5.3.a.iii
enumeration	5.3.a.iv
enumeration	5.3.a.v
enumeration	5.3.b.i
enumeration	5.3.b.ii
enumeration	5.3.b.iii
enumeration	5.3.b.iv
enumeration	5.4
enumeration	5.5

enumeration	5.6
enumeration	6
enumeration	6.1.a
enumeration	6.1.b
enumeration	6.1.c
enumeration	6.2
enumeration	6.3
enumeration	6.4.a
enumeration	6.4.b.i
enumeration	6.4.b.ii
enumeration	6.4.b.iii
enumeration	6.4.c
enumeration	6.5
enumeration	6.6.a
enumeration	6.6.b
enumeration	6.6.c
enumeration	6.7
enumeration	6.8
enumeration	6.9
enumeration	6.10
enumeration	6.11

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/Environment/IEDInstallations/TypeIEDInstallations/NaceCode

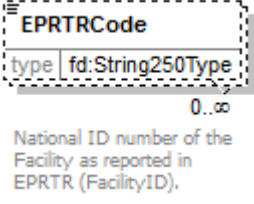
diagram	
type	String250Type

element

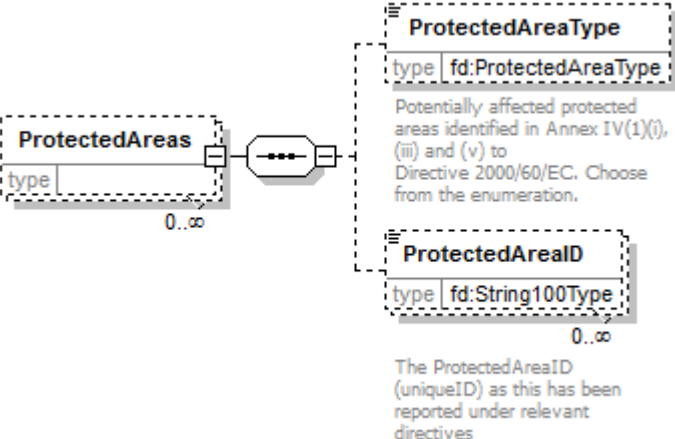
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/Environment/IEDInstallations/EPRTCodes

diagram	
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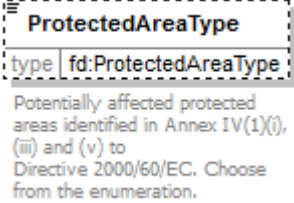
element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/Environment/IEDInstallations/EPRTCodes/EPRTCode

diagram	 <p>EPRTCode</p> <p>type fd:String250Type</p> <p>0..∞</p> <p>National ID number of the Facility as reported in EPRT (FacilityID).</p>
type	String250Type
annotation	documentation National ID number of the Facility as reported in EPRT (FacilityID).

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/Environment/ProtectedAreas

diagram	 <p>ProtectedAreas</p> <p>type fd:ProtectedAreaType</p> <p>0..∞</p> <p>ProtectedAreaType</p> <p>type fd:ProtectedAreaType</p> <p>Potentially affected protected areas identified in Annex IV(1)(i), (iii) and (v) to Directive 2000/60/EC. Choose from the enumeration.</p> <p>ProtectedAreaID</p> <p>type fd:String100Type</p> <p>0..∞</p> <p>The ProtectedAreaID (uniqueID) as this has been reported under relevant directives</p>
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element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/Environment/ProtectedAreas/ ProtectedAreaType

diagram	 <p>ProtectedAreaType</p> <p>type fd:ProtectedAreaType</p> <p>Potentially affected protected areas identified in Annex IV(1)(i), (iii) and (v) to Directive 2000/60/EC. Choose from the enumeration.</p>																		
type	ProtectedAreaType																		
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>Bathing</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Birds</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Habitats</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Nitrates</td> <td></td> </tr> <tr> <td>enumeration</td> <td>UWWT</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	Bathing		enumeration	Birds		enumeration	Habitats		enumeration	Nitrates		enumeration	UWWT	
Kind	Value	annotation																	
enumeration	Bathing																		
enumeration	Birds																		
enumeration	Habitats																		
enumeration	Nitrates																		
enumeration	UWWT																		

	<p>enumeration Article 7 Abstraction for drinking water</p> <p>enumeration WFD_WaterBodies</p> <p>enumeration EuropeanOther</p> <p>enumeration National</p> <p>enumeration Local</p>
annotation	<p>documentation</p> <p>Potentially affected protected areas identified in Annex IV(1)(i), (iii) and (v) to Directive 2000/60/EC. Choose from the enumeration.</p>

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/Environment/ProtectedAreas/ProtectedAreaID

diagram	<p>The ProtectedAreaID (uniqueID) as this has been reported under relevant directives</p>
type	String100Type
annotation	<p>documentation</p> <p>The ProtectedAreaID (uniqueID) as this has been reported under relevant directives</p>

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/Environment/OtherInformation

diagram	<p>Summary (less than 5000 characters) of information relevant for the reported information on IED installations and/or protected areas</p>
type	String5000Type
annotation	<p>documentation</p> <p>Summary (less than 5000 characters) of information relevant for the reported information on IED installations and/or protected areas</p>

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/OtherInformation

<p>diagram</p>	<p>OtherInformation type Other information on potential adverse consequences that the Member States considers useful in association with the particular flood scenarios</p> <p>CulturalHeritageConsequence type 0..∞</p> <p>OtherTypeofPotentialConsequ... type 0..∞</p>
<p>annotation</p>	<p>documentation Other information on potential adverse consequences that the Member States considers useful in association with the particular flood scenarios</p>

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/OtherInformation/CulturalHeritageConsequence

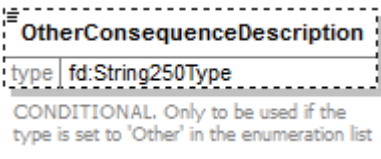
<p>diagram</p>	<p>CulturalHeritageConsequence type 0..∞</p> <p>TypeCulturalHeritage type fd:TypeCulturalHeritage Indicate consequence from enumeration list</p> <p>OtherConsequenceDescription type fd:String250Type CONDITIONAL. Only to be used if the type is set to 'Other' in the enumeration list</p>
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element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/OtherInformation/CulturalHeritageConsequence/TypeCulturalHeritage

<p>diagram</p>	<p>TypeCulturalHeritage type fd:TypeCulturalHeritage Indicate consequence from enumeration list</p>															
<p>type</p>	<p>TypeCulturalHeritage</p>															
<p>facets</p>	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>B31</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B32</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B33</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B34</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	B31		enumeration	B32		enumeration	B33		enumeration	B34	
Kind	Value	annotation														
enumeration	B31															
enumeration	B32															
enumeration	B33															
enumeration	B34															
<p>annotation</p>	<p>documentation Indicate consequence from enumeration list</p>															

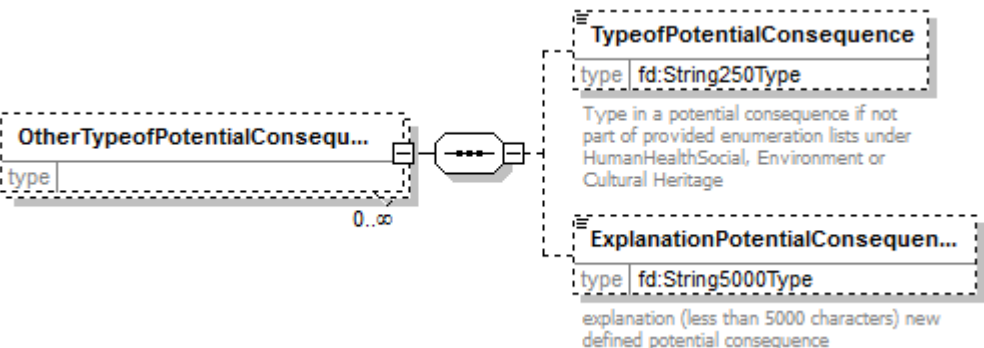
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/OtherInformation/CulturalHeritageConsequence/OtherConsequenceDescription

diagram	 <p>OtherConsequenceDescription type fd:String250Type CONDITIONAL. Only to be used if the type is set to 'Other' in the enumeration list</p>
type	String250Type
annotation	documentation CONDITIONAL. Only to be used if the type is set to 'Other' in the enumeration list

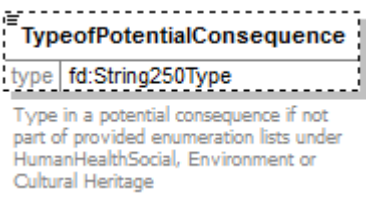
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/OtherInformation/OtherTypeofPotentialConsequences

diagram	 <p>OtherTypeofPotentialConsequ... type ... 0..∞</p> <p>TypeofPotentialConsequence type fd:String250Type Type in a potential consequence if not part of provided enumeration lists under HumanHealthSocial, Environment or Cultural Heritage</p> <p>ExplanationPotentialConsequen... type fd:String5000Type explanation (less than 5000 characters) new defined potential consequence</p>
---------	---

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/OtherInformation/OtherTypeofPotentialConsequences/TypeofPotentialConsequence

diagram	 <p>TypeofPotentialConsequence type fd:String250Type Type in a potential consequence if not part of provided enumeration lists under HumanHealthSocial, Environment or Cultural Heritage</p>
type	String250Type
annotation	documentation Type in a potential consequence if not part of provided enumeration lists under HumanHealthSocial, Environment or Cultural Heritage

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/MediumProbability/MediumScenario/FloodRiskMap/ExposedElement/OtherInformation/OtherTypeofPotentialConsequences/ExplanationPotentialConsequence

diagram	
type	String5000Type
annotation	documentation explanation (less than 5000 characters) new defined potential consequence

element **FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability**

diagram	
annotation	documentation Floods with a high probability, where appropriate.

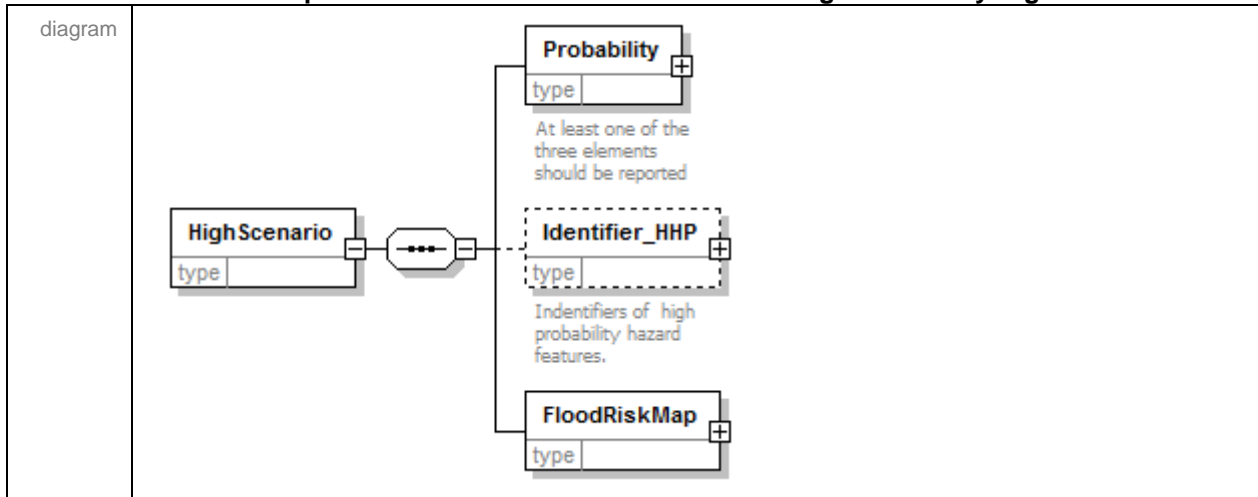
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/Article6.6_6.7

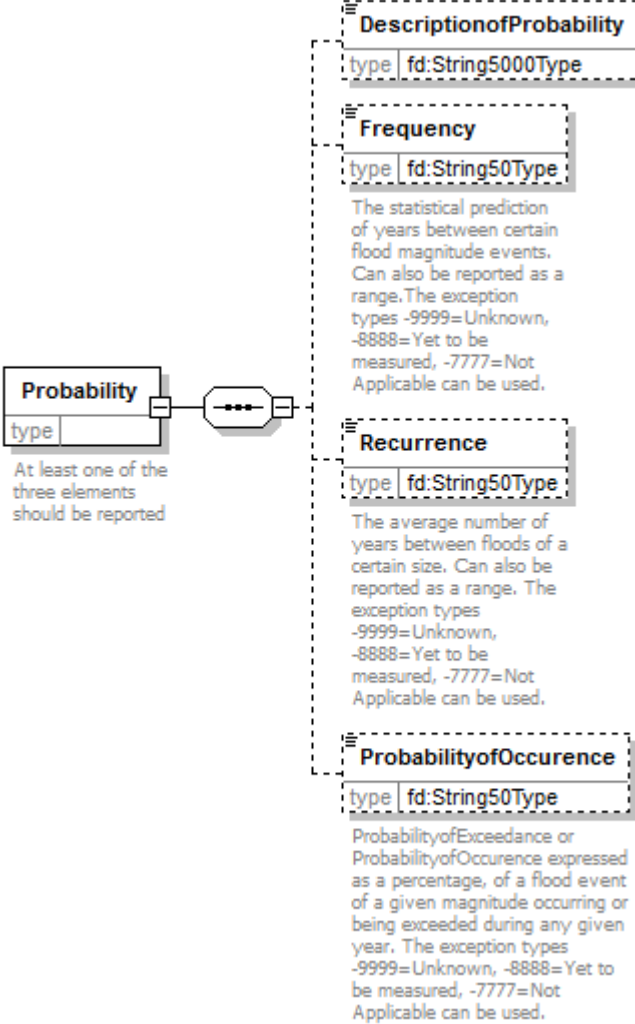
diagram	
type	YesCode
facets	Kind Value annotation enumeration Y enumeration
annotation	documentation Indicate (Y) if Article 6(6) or/and Article 6(7) have been applied.

element

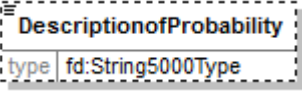
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario



element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/Probability

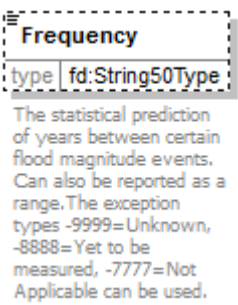
<p>diagram</p>	 <p>At least one of the three elements should be reported</p> <p>DescriptionofProbability type fd:String5000Type</p> <p>Frequency type fd:String50Type The statistical prediction of years between certain flood magnitude events. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p> <p>Recurrence type fd:String50Type The average number of years between floods of a certain size. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p> <p>ProbabilityofOccurence type fd:String50Type ProbabilityofExceedance or ProbabilityofOccurence expressed as a percentage, of a flood event of a given magnitude occurring or being exceeded during any given year. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
<p>annotation</p>	<p>documentation At least one of the three elements should be reported</p>

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/Probability/DescriptionofProbability

<p>diagram</p>	 <p>DescriptionofProbability type fd:String5000Type</p>
<p>type</p>	<p>String5000Type</p>

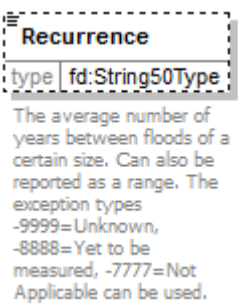
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/Probability/Frequency

diagram	 <p>The statistical prediction of years between certain flood magnitude events. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
type	String50Type
annotation	documentation The statistical prediction of years between certain flood magnitude events. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.

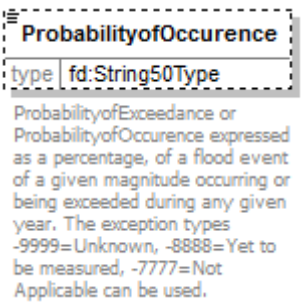
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/Probability/Recurrence

diagram	 <p>The average number of years between floods of a certain size. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
type	String50Type
annotation	documentation The average number of years between floods of a certain size. Can also be reported as a range. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/Probability/ProbabilityofOccurrence

diagram	 <p>ProbabilityofExceedance or ProbabilityofOccurrence expressed as a percentage, of a flood event of a given magnitude occurring or being exceeded during any given year. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>
type	String50Type
annotation	documentation ProbabilityofExceedance or ProbabilityofOccurrence expressed as a percentage, of a flood event of a given

	magnitude occurring or being exceeded during any given year. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.
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element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/Identifier_HHP

diagram	<p>Identifiers of high probability hazard features.</p> <p>If the high probability hazard area exists of more than one feature - a Unique EU code of all the features within the high probability hazard area must be provided. Codes MUST have a 1-to-1 relationship with spatial data reported. Please notice that multi polygons is not allowed to report and should be split into separate polygons</p>
annotation	documentation Identifiers of high probability hazard features.

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/Identifier_HHP/EU_CD_HHP

diagram	<p>If the high probability hazard area exists of more than one feature - a Unique EU code of all the features within the high probability hazard area must be provided. Codes MUST have a 1-to-1 relationship with spatial data reported. Please notice that multi polygons is not allowed to report and should be split into separate polygons</p>
type	FeatureUniqueCodeType
annotation	documentation If the high probability hazard area exists of more than one feature - a Unique EU code of all the features within the high probability hazard area must be provided. Codes MUST have a 1-to-1 relationship with spatial data reported. Please notice that multi polygons is not allowed to report and should be split into separate polygons

element

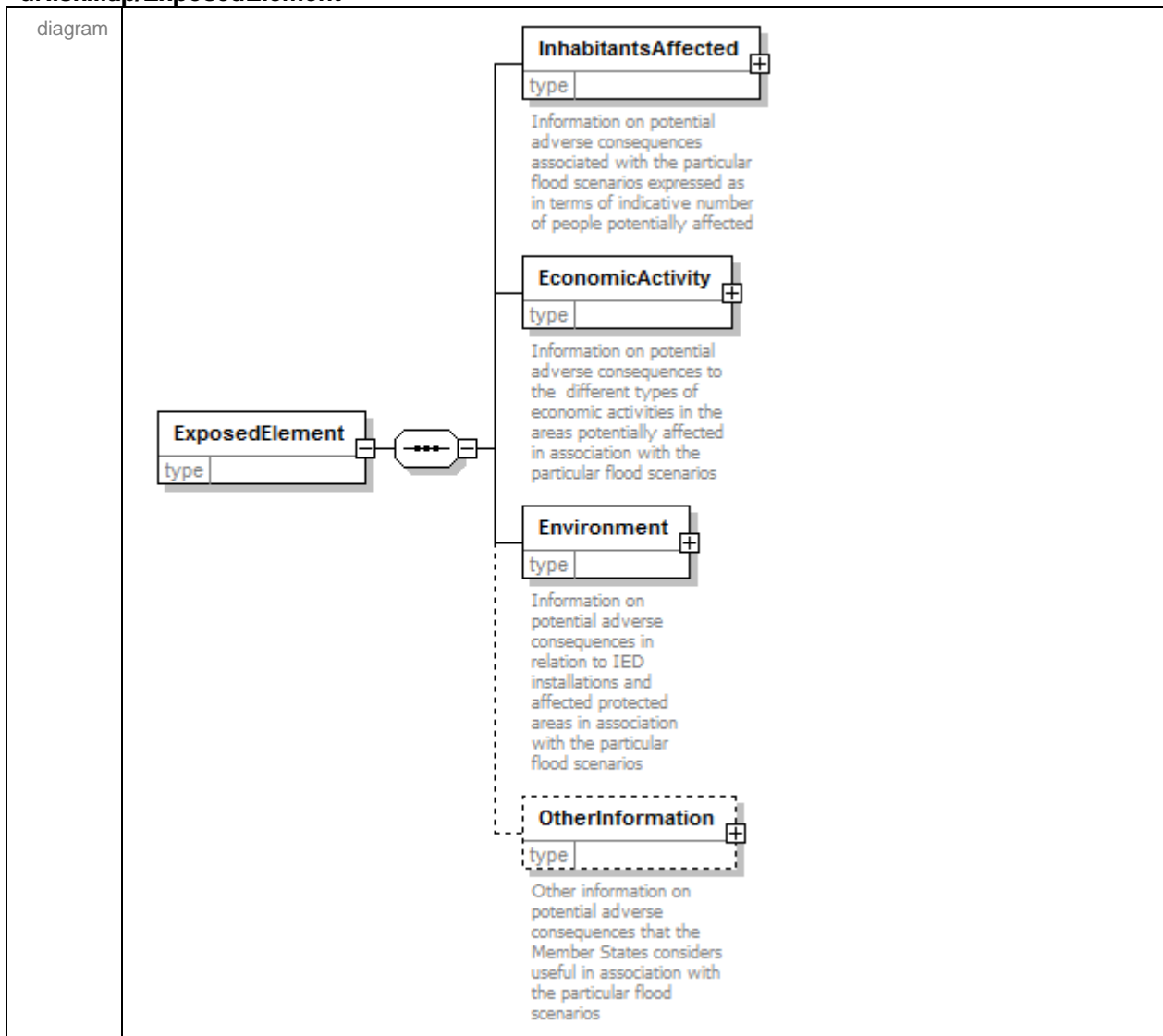
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap

diagram	
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element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement

dRiskMap/ExposedElement



element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/InhabitantsAffected

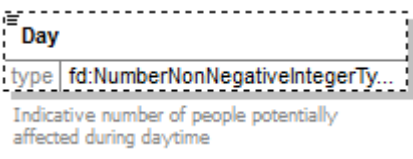
<p>diagram</p>	<p>The diagram shows a class InhabitantsAffected with a composition relationship (indicated by a solid line with a filled diamond) to a container class. This container class contains five sub-classes: OverAll_InhabitantsAffected, Day, Night, TransitoryPopulation, and OtherPeople. Each sub-class has a type of <code>fd:NumberNonNegativeIntegerType</code>. The OverAll_InhabitantsAffected class has a description: "The overall indicative number of people in the area potentially affected. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used." The Day class has a description: "Indicative number of people potentially affected during daytime". The Night class has a description: "Indicative number of people potentially affected during nighttime". The TransitoryPopulation class has a description: "Indicative number of transitory people potentially affected. Eg, tourists likely to be in the location, visitors at camping sites, etc". The OtherPeople class has a description: "Indicative number of other people potentially affected".</p>
<p>annotation</p>	<p>documentation Information on potential adverse consequences associated with the particular flood scenarios expressed as in terms of indicative number of people potentially affected</p>

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/InhabitantsAffected/OverAll_InhabitantsAffected

<p>diagram</p>	<p>The diagram shows a class OverAll_InhabitantsAffected with a type of <code>fd:NumberNonNegativeIntegerType</code>. The class has a description: "The overall indicative number of people in the area potentially affected. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used."</p>
<p>type</p>	<p>NumberNonNegativeIntegerType</p>
<p>annotation</p>	<p>documentation The overall indicative number of people in the area potentially affected. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.</p>

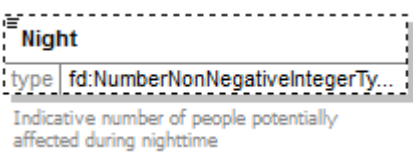
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/InhabitantsAffected/Day

diagram	
type	NumberNonNegativeIntegerType
annotation	documentation Indicative number of people potentially affected during daytime

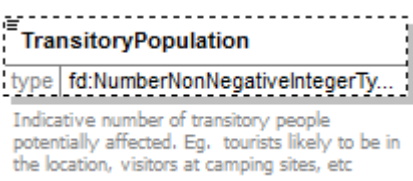
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/InhabitantsAffected/Night

diagram	
type	NumberNonNegativeIntegerType
annotation	documentation Indicative number of people potentially affected during nighttime

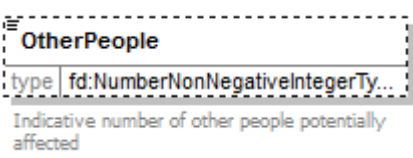
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/InhabitantsAffected/TransitoryPopulation

diagram	
type	NumberNonNegativeIntegerType
annotation	documentation Indicative number of transitory people potentially affected. Eg. tourists likely to be in the location, visitors at camping sites, etc

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/InhabitantsAffected/OtherPeople

diagram	
type	NumberNonNegativeIntegerType
annotation	documentation Indicative number of other people potentially affected

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/EconomicActivity

<p>diagram</p>	<p>Information on potential adverse consequences to the different types of economic activities in the areas potentially affected in association with the particular flood scenarios</p>
<p>annotation</p>	<p>documentation Information on potential adverse consequences to the different types of economic activities in the areas potentially affected in association with the particular flood scenarios</p>

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/EconomicActivity/EconomicActivityConsequence

<p>diagram</p>	<p>Indicate consequence from enumeration list</p> <p>CONDITIONAL. Only to be used if the type is set to 'Other' in the enumeration list</p>
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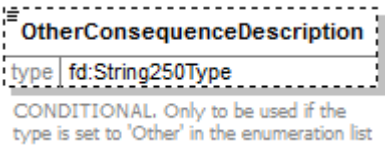
element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/EconomicActivity/EconomicActivityConsequence/TypeEconomicActivity

<p>diagram</p>	<p>Indicate consequence from enumeration list</p>																		
<p>type</p>	<p>TypeEconomic</p>																		
<p>facets</p>	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>B41</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B42</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B43</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B44</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B45</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	B41		enumeration	B42		enumeration	B43		enumeration	B44		enumeration	B45	
Kind	Value	annotation																	
enumeration	B41																		
enumeration	B42																		
enumeration	B43																		
enumeration	B44																		
enumeration	B45																		

	enumeration B46
annotation	documentation Indicate consequence from enumeration list

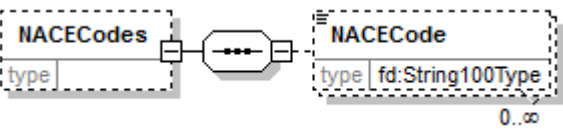
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/EconomicActivity/EconomicActivityConsequence/OtherConsequenceDescription

diagram	 <p>The diagram shows a dashed box representing the OtherConsequenceDescription element. Inside the box, it specifies <code>type fd:String250Type</code>. Below the box, there is a note: "CONDITIONAL. Only to be used if the type is set to 'Other' in the enumeration list".</p>
type	String250Type
annotation	documentation CONDITIONAL. Only to be used if the type is set to 'Other' in the enumeration list

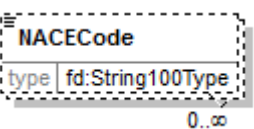
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/EconomicActivity/NACECodes

diagram	 <p>The diagram shows a dashed box representing the NACECodes element. Inside the box, it specifies <code>type</code> (with a blank space) and <code>fd:String100Type</code>. Below the box, there is a note: "0..∞". A connector symbol is shown between the NACECodes box and another dashed box representing the NACECode element, which also specifies <code>type fd:String100Type</code> and <code>0..∞</code>.</p>
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element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/EconomicActivity/NACECodes/NACECode

diagram	 <p>The diagram shows a dashed box representing the NACECode element. Inside the box, it specifies <code>type fd:String100Type</code>. Below the box, there is a note: "0..∞".</p>
type	String100Type

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/Environment

<p>diagram</p>	
<p>annotation</p>	<p>documentation Information on potential adverse consequences in relation to IED installations and affected protected areas in association with the particular flood scenarios</p>

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/Environment/EnvironmentalConsequences

<p>diagram</p>	
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element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/Environment/EnvironmentalConsequences/TypeEnvironment

<p>diagram</p>	
<p>type</p>	<p>TypeEnvironment</p>
<p>facets</p>	<p>Kind Value annotation</p>

	enumeration B21 enumeration B22 enumeration B23 enumeration B24 enumeration B25
annotation	documentation Indicate consequence from enumeration list

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/Environment/EnvironmentalConsequences/OtherConsequenceDescription

diagram	
type	String250Type
annotation	documentation CONDITIONAL. Only to be used if the type is set to 'Other' in the enumeration list

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/Environment/IEDInstallations

diagram	
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element

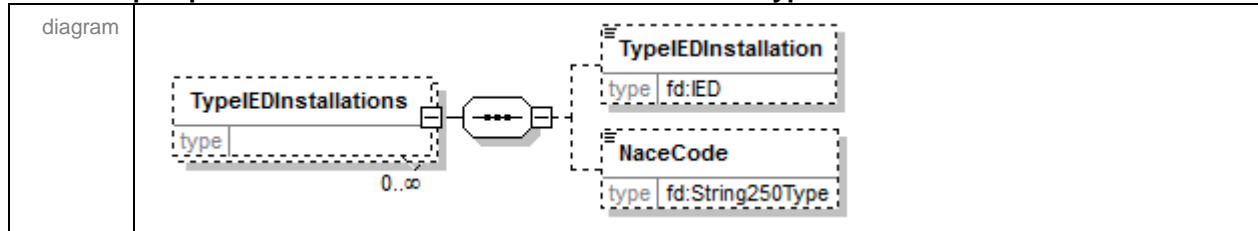
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/Environment/IEDInstallations/AffectedIEDInstallations

diagram	
---------	--

type	NumberNonNegativeIntegerType
annotation	documentation Number of IED installations potentially affected. The exception types -9999=Unknown, -8888=Yet to be measured, -7777=Not Applicable can be used.

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/Environment/IEDInstallations/TypeIEDInstallations



element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/Environment/IEDInstallations/TypeIEDInstallations/TypeIEDInstallation

diagram																																																																									
type	IED																																																																								
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr><td>enumeration</td><td>1</td><td></td></tr> <tr><td>enumeration</td><td>1.1</td><td></td></tr> <tr><td>enumeration</td><td>1.2</td><td></td></tr> <tr><td>enumeration</td><td>1.3</td><td></td></tr> <tr><td>enumeration</td><td>1.4.a</td><td></td></tr> <tr><td>enumeration</td><td>1.4.b</td><td></td></tr> <tr><td>enumeration</td><td>2</td><td></td></tr> <tr><td>enumeration</td><td>2.1</td><td></td></tr> <tr><td>enumeration</td><td>2.2</td><td></td></tr> <tr><td>enumeration</td><td>2.3.a</td><td></td></tr> <tr><td>enumeration</td><td>2.3.b</td><td></td></tr> <tr><td>enumeration</td><td>2.3.c</td><td></td></tr> <tr><td>enumeration</td><td>2.4</td><td></td></tr> <tr><td>enumeration</td><td>2.5.a</td><td></td></tr> <tr><td>enumeration</td><td>2.5.b</td><td></td></tr> <tr><td>enumeration</td><td>2.6</td><td></td></tr> <tr><td>enumeration</td><td>3</td><td></td></tr> <tr><td>enumeration</td><td>3.1.a</td><td></td></tr> <tr><td>enumeration</td><td>3.1.b</td><td></td></tr> <tr><td>enumeration</td><td>3.1.c</td><td></td></tr> <tr><td>enumeration</td><td>3.2</td><td></td></tr> <tr><td>enumeration</td><td>3.3</td><td></td></tr> <tr><td>enumeration</td><td>3.4</td><td></td></tr> </tbody> </table>	Kind	Value	annotation	enumeration	1		enumeration	1.1		enumeration	1.2		enumeration	1.3		enumeration	1.4.a		enumeration	1.4.b		enumeration	2		enumeration	2.1		enumeration	2.2		enumeration	2.3.a		enumeration	2.3.b		enumeration	2.3.c		enumeration	2.4		enumeration	2.5.a		enumeration	2.5.b		enumeration	2.6		enumeration	3		enumeration	3.1.a		enumeration	3.1.b		enumeration	3.1.c		enumeration	3.2		enumeration	3.3		enumeration	3.4	
Kind	Value	annotation																																																																							
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enumeration	4
enumeration	4.1.a
enumeration	4.1.b
enumeration	4.1.c
enumeration	4.1.d
enumeration	4.1.e
enumeration	4.1.f
enumeration	4.1.g
enumeration	4.1.h
enumeration	4.1.i
enumeration	4.1.j
enumeration	4.1.k
enumeration	4.2.a
enumeration	4.2.b
enumeration	4.2.c
enumeration	4.2.d
enumeration	4.2.e
enumeration	4.3
enumeration	4.4
enumeration	4.5
enumeration	4.6
enumeration	5
enumeration	5.1.a
enumeration	5.1.b
enumeration	5.1.c
enumeration	5.1.d
enumeration	5.1.e
enumeration	5.1.f
enumeration	5.1.g
enumeration	5.1.h
enumeration	5.1.i
enumeration	5.1.j
enumeration	5.1.k
enumeration	5.2.a
enumeration	5.2.b
enumeration	5.3.a.i
enumeration	5.3.a.ii
enumeration	5.3.a.iii
enumeration	5.3.a.iv
enumeration	5.3.a.v
enumeration	5.3.b.i
enumeration	5.3.b.ii
enumeration	5.3.b.iii
enumeration	5.3.b.iv
enumeration	5.4
enumeration	5.5

enumeration	5.6
enumeration	6
enumeration	6.1.a
enumeration	6.1.b
enumeration	6.1.c
enumeration	6.2
enumeration	6.3
enumeration	6.4.a
enumeration	6.4.b.i
enumeration	6.4.b.ii
enumeration	6.4.b.iii
enumeration	6.4.c
enumeration	6.5
enumeration	6.6.a
enumeration	6.6.b
enumeration	6.6.c
enumeration	6.7
enumeration	6.8
enumeration	6.9
enumeration	6.10
enumeration	6.11

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/Environment/IEDInstallations/TypeIEDInstallations/NaceCode

diagram	
type	String250Type

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/Environment/IEDInstallations/EPRTCodes

diagram	
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element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/Environment/IEDInstallations/EPTRCodes/EPTRCode

diagram	
type	String250Type
annotation	documentation National ID number of the Facility as reported in EPTR (FacilityID).

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/Environment/ProtectedAreas

diagram	
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element

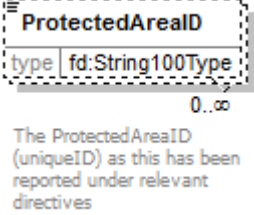
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diagram																			
type	ProtectedAreaType																		
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>Bathing</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Birds</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Habitats</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Nitrates</td> <td></td> </tr> <tr> <td>enumeration</td> <td>UWWT</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	Bathing		enumeration	Birds		enumeration	Habitats		enumeration	Nitrates		enumeration	UWWT	
Kind	Value	annotation																	
enumeration	Bathing																		
enumeration	Birds																		
enumeration	Habitats																		
enumeration	Nitrates																		
enumeration	UWWT																		

	<p>enumeration Article 7 Abstraction for drinking water</p> <p>enumeration WFD_WaterBodies</p> <p>enumeration EuropeanOther</p> <p>enumeration National</p> <p>enumeration Local</p>
annotation	<p>documentation</p> <p>Potentially affected protected areas identified in Annex IV(1)(i), (iii) and (v) to Directive 2000/60/EC. Choose from the enumeration.</p>

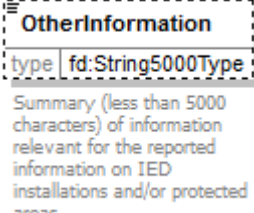
element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/Environment/ProtectedAreas/ProtectedAreaID

diagram	 <p>The ProtectedAreaID (uniqueID) as this has been reported under relevant directives</p>
type	String100Type
annotation	<p>documentation</p> <p>The ProtectedAreaID (uniqueID) as this has been reported under relevant directives</p>

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/Environment/OtherInformation

diagram	 <p>Summary (less than 5000 characters) of information relevant for the reported information on IED installations and/or protected areas</p>
type	String5000Type
annotation	<p>documentation</p> <p>Summary (less than 5000 characters) of information relevant for the reported information on IED installations and/or protected areas</p>

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/OtherInformation

<p>diagram</p>	<p>Other information on potential adverse consequences that the Member States considers useful in association with the particular flood scenarios</p>
<p>annotation</p>	<p>documentation Other information on potential adverse consequences that the Member States considers useful in association with the particular flood scenarios</p>

element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/OtherInformation/CulturalHeritageConsequence

<p>diagram</p>	<p>Indicate consequence from enumeration list</p> <p>CONDITIONAL. Only to be used if the type is set to 'Other' in the enumeration list</p>
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element
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/OtherInformation/CulturalHeritageConsequence/TypeCulturalHeritage

<p>diagram</p>	<p>Indicate consequence from enumeration list</p>															
<p>type</p>	<p>TypeCulturalHeritage</p>															
<p>facets</p>	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>B31</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B32</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B33</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B34</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	B31		enumeration	B32		enumeration	B33		enumeration	B34	
Kind	Value	annotation														
enumeration	B31															
enumeration	B32															
enumeration	B33															
enumeration	B34															
<p>annotation</p>	<p>documentation Indicate consequence from enumeration list</p>															

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/OtherInformation/CulturalHeritageConsequence/OtherConsequenceDescription

diagram	
type	String250Type
annotation	documentation CONDITIONAL. Only to be used if the type is set to 'Other' in the enumeration list

element

FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/OtherInformation/OtherTypeofPotentialConsequences

diagram	
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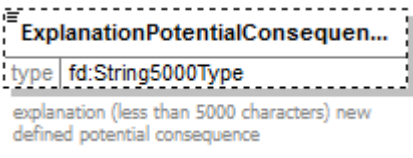
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FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/OtherInformation/OtherTypeofPotentialConsequences/TypeofPotentialConsequence

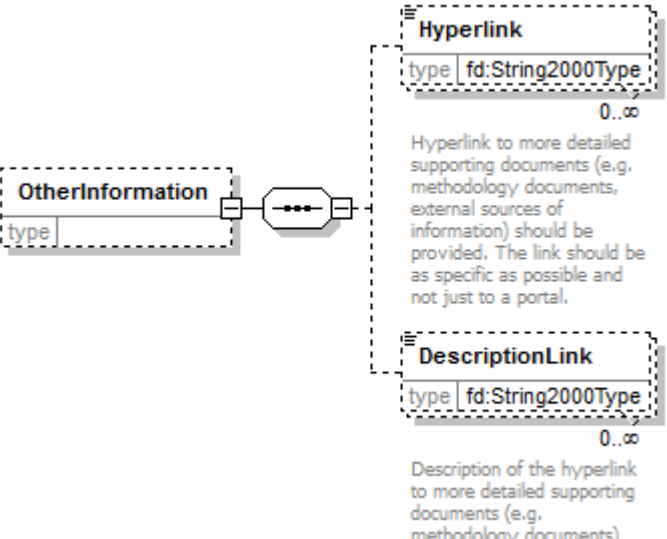
diagram	
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annotation	documentation Type in a potential consequence if not part of provided enumeration lists under HumanHealthSocial, Environment or Cultural Heritage

element

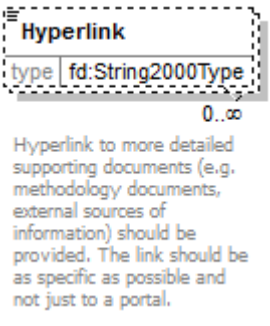
FHRM/FloodHazardMaps/HazardArea/QuantitativeLikelihood/HighProbability/HighScenario/FloodRiskMap/ExposedElement/OtherInformation/OtherTypeofPotentialConsequences/ExplanationPotentialConsequence

diagram	 <p>ExplanationPotentialConsequen... type fd:String5000Type explanation (less than 5000 characters) new defined potential consequence</p>
type	String5000Type
annotation	documentation explanation (less than 5000 characters) new defined potential consequence

element **FHRM/OtherInformation**

diagram	 <p>OtherInformation type 0..∞</p> <p>Hyperlink type fd:String2000Type 0..∞ Hyperlink to more detailed supporting documents (e.g. methodology documents, external sources of information) should be provided. The link should be as specific as possible and not just to a portal.</p> <p>DescriptionLink type fd:String2000Type 0..∞ Description of the hyperlink to more detailed supporting documents (e.g. methodology documents)</p>
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element **FHRM/OtherInformation/Hyperlink**

diagram	 <p>Hyperlink type fd:String2000Type 0..∞ Hyperlink to more detailed supporting documents (e.g. methodology documents, external sources of information) should be provided. The link should be as specific as possible and not just to a portal.</p>
type	String2000Type
annotation	documentation Hyperlink to more detailed supporting documents (e.g. methodology documents, external sources of information) should be provided. The link should be as specific as possible and not just to a portal.

element **FHRM/OtherInformation/DescriptionLink**

diagram	
type	String2000Type
annotation	documentation Description of the hyperlink to more detailed supporting documents (e.g. methodology documents)

XML Schema documentation generated by **XMLSpy** Schema Editor <http://www.altova.com/xmlspy>

3.5 SCHEMA: FLOOD RISK MANAGEMENT PLANS:

Article 7 of the Floods Directive requires Member States to prepare Flood Risk Management Plans (FRMPs) for all areas identified as being at potentially significant flood risk (APSFR) under Article 5 or Article 13.1(a), and areas covered by Article 13.1(b), on the basis of the maps prepared under Article 6.

The plans must be coordinated at the level of the River Basin District (RBD) or other Unit of Management (UoM) as defined under Article 3.2(b) (art 7.1 & 4, art 8).

The Flood Risk Management Plans (FRMP) must set out appropriate objectives for the management of flood risk within the areas covered by the plan. The objectives must focus on reducing the adverse consequences of flooding for human health, the environment, cultural heritage and economic activity. Where appropriate, the FRMPs should focus on reducing the likelihood of flooding and/or on using non-structural measures, including flood forecasting and raising awareness of flooding (Article 7.2). The flood risk management plans shall include measures for achieving identified objectives (Article 7.3).

Flood risk management plans shall include the components as detailed in the annex (Part 1) of the Directive:

- Conclusions of the preliminary flood risk assessment(PFRA)⁶, as required in Chapter II in the form of a summary map of the RBD/UoM delineating the areas of potential significant flood risk(APSFR) (Annex part A.I.1)⁷;
- Flood Hazard maps and Flood Risk maps (Annex part A.I.2)⁸;

⁵ Text from FRMP reporting sheets: <http://rod.eionet.europa.eu/obligations/603>

⁶ Or decision on use of article 13.1 b as applied, for further information see reporting sheet on the preliminary flood risk assessment.

⁷ This information needs to be included in the FRMP, but does not however need to be reported electronically again to the Commission if the information has already been reported in accordance with Article 15.

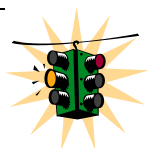
⁸ This information needs to be included in the FRMP, but does not however need to be reported electronically again to the Commission if the information has already been reported in accordance with Article 15.

- Description of the objectives (Annex part A.I.3);
- Summary of measures and their prioritisation, including those taken under other Community acts (such as EIA, SEA, SEVESO, WFD⁹), aiming to achieve the objectives (Annex part A.I.4),
- Description of the cost-benefit methodology, when available, used in transnational context (Annex part A.I.5).
- Description of how implementation progress will be monitored (Annex part A.II.1),
- Summary of public information and consultation (Annex part A.II.2),
- List of competent authorities ¹⁰ (Annex part A.II.3);
- Description of the co-ordination process in international RBD/other UoM (Annex part A.II.3)
- Description of the coordination process with the WFD (Directive 2000/60/EC) (Annex part A.II.3)

The review of the Flood Risk Management Plans (FRMP) shall include the following components (Annex Part B):

- Information on any changes or updates since the publication of the previous version of the FRMP, including a summary of the reviews carried out in compliance with Article 14 (Annex Part B.1).
- An assessment of the progress made towards achieving the objectives referred to in Article 7.2; a description of, and explanation for, any measures foreseen in the earlier version of the FRMP which were planned to be undertaken and have not been taken forward (Annex Part B.3);
- A description of any additional measures since the publication of the previous version of the FRMPs (Annex Part B.4).

For the reviews of the Flood risk management plans, it is expected that Member States shall report on the same issues as for the initial plan, but focus on the progress and changes as outlined in the Directive. After the reporting for the first implementation cycle, the reporting sheet will be reviewed, based upon the experiences made.



Look Out!

In part A of the Annex all components of the FRMP for the first cycle are listed and part B describes what is expected for the following cycles.

It is important to highlight though, that where complete reports have already been submitted according to earlier stages (Competent Authorities (CA), Units of Management, Preliminary Flood Risk Assessment, Flood Hazard maps and Flood Risk maps), it is not expected that Member States report these again to WISE, unless the Member State in question wishes to submit updated information.

⁹ For full references see the annex of Directive 2007/60/EC.

¹⁰ This information needs to be included in the FRMP, but does however not need to be reported electronically again to the Commission if the information has already been reported in accordance with Article 3, it is assumed that Member States will update the reporting under Article 3, at the latest three months after there are changes made to the administrative arrangements, in accordance with Article 3.2.

The FRMP shall address all aspects of flood risk management, focusing on prevention, protection and preparedness, and taking into account the characteristics of the particular river basin or sub-basin, including flood forecasting and early warning systems.

The FRMP may include :

- promotion of sustainable land-use practices;
- improvements in water retention;
- controlled flooding of certain areas;
- structural and non-structural approaches to reducing the likelihood and consequences of flooding;
- other actions in relation to preventing, protecting, or preparing against the adverse consequences of flooding.

FRMP plans shall take into account relevant aspects such as (Article 7):

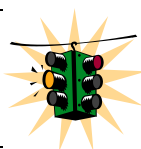
- costs and benefits;
- flood extent and conveyance routes;
- areas which have the potential to retain flood waters; such as natural flood plains;
- the environmental objectives of the WFD;
- soil and water management, as well as nature conservation;
- spatial planning and land use;
- navigation and port infrastructure;
- the likely impact of climate change on the occurrence of floods, required at the latest from the first review of the FRMP (Article 14.4).

The FRMP shall be subject to public consultation and the active encouragement of the involvement of interested parties in coordination with Article 14 of the WFD (Article 9.3 and 10.2).

The complete FRMP shall also be made available to the public (Article 10.1).

The FRMPs must be completed and published by 22nd December 2015 and made available to the Commission by 22nd March 2016 (Articles 7.5 and 15.1). As a transitional measure, FRMPs available by 22nd December 2010 may be used for the first cycle, provided that their content is "equivalent to the requirements set out in Article 7" (Article 13.3).

Due to the need to coordinate and synchronise the FRMPs with the 2nd cycle River Basin Management Plans (RBMP), and the need to avoid double reporting, the reporting formats will be coordinated. For the purpose of this reporting sheet, cross references to and the structure of the information provided is linked to the relevant RBMP reporting sheet included in Guidance document N°21. This concerns in particular the summary of the update of the Article 5(WFD) reports and the measures to address these pressures to be included in the programme of measures as part of the RBMP in 2015.



Look Out!

As part of WFD RBMP Member States were requested to report information on relevant and significant pressures and the establishment of a programme of measures (PoM) for each RBD or

	<p>part of an international RBD. Some of those pressure types and measure types are of particular interest, and may be of importance for FRMP, also in terms of coordination and synergies between both processes.</p> <p>A number of WFD relevant pressures and relevant WFD measures are of particular importance from the perspective of the co-ordinated implementation of Directives 2000/60/EC and 2007/60/EC with a view of improving information exchange, and of achieving common synergies and benefits.</p> <p>Taking into account the possibility to develop an integrated FRMP and RBMP (as expressed in Article 9.2 FD) the objective must be to develop a reporting structure to avoid double reporting. The reporting structure must give MS flexibility to report both plans in an integrated form or two single co-ordinated plans .</p>
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To the extent that geographical information is reported, *the "CIS Guidance Document No. 22: Updated Guidance on Implementing the Geographical Information System (GIS) Elements of the EU Water policy"*, shall be taken into account, and relevant parts shall also be updated for the purpose of reporting of the Floods Directive¹¹. The further development of reporting formats and visualisation, including any review of the reporting sheet for the second cycle, shall be in line with relevant requirements of INSPIRE as far as possible given the timetable for implementation of that Directive.

Schema **FRMP_1p1.xsd**

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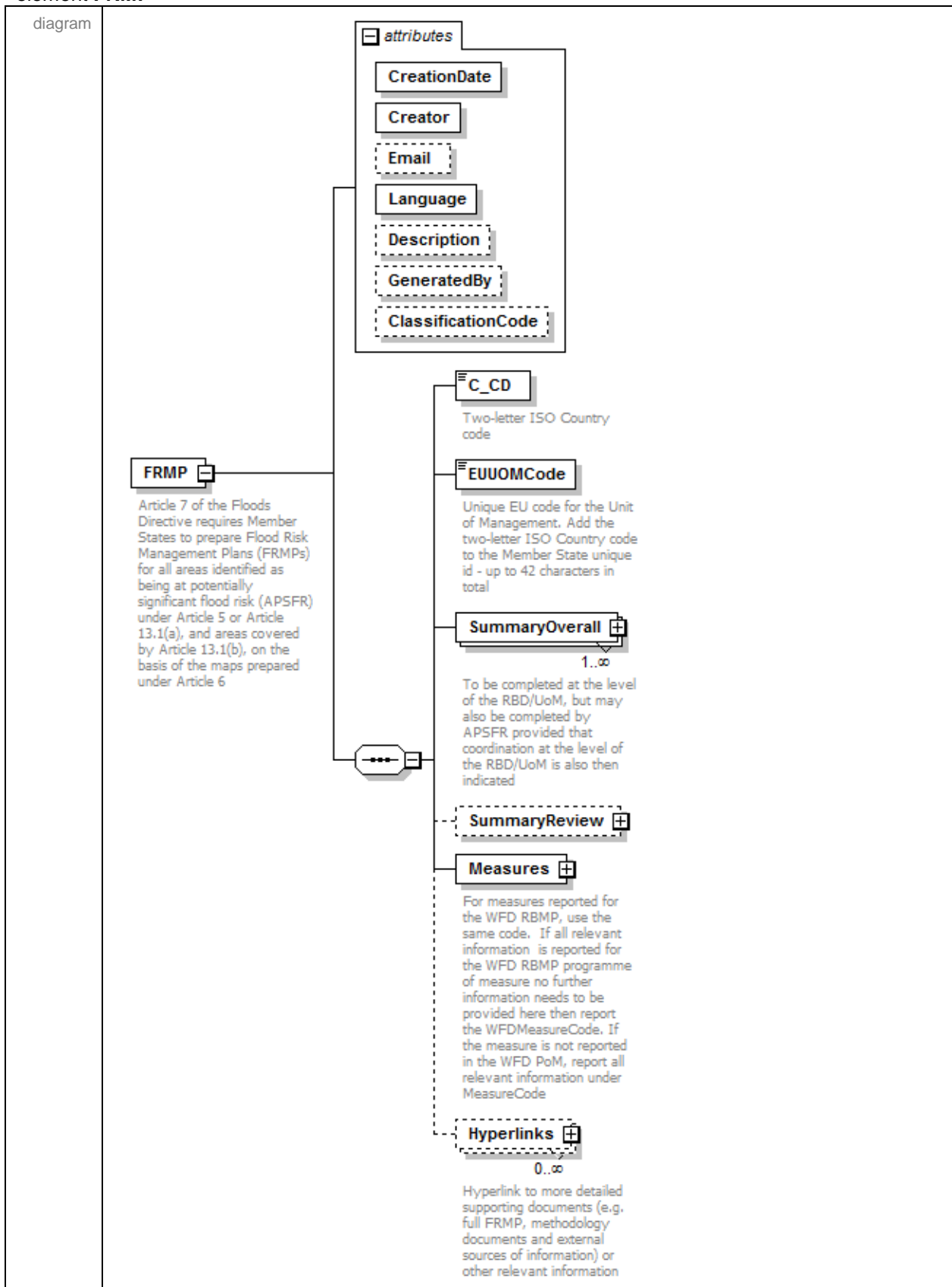
Elements

[FRMP](#)

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¹¹http://circa.europa.eu/Members/irc/env/wfd/library?l=/framework_directive/guidance_documents&vm=detailed&sb=Title

element **FRMP**



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	Language	LanguageCode	required			
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	GeneratedBy	xs:string				
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annotation	documentation Article 7 of the Floods Directive requires Member States to prepare Flood Risk Management Plans (FRMPs) for all areas identified as being at potentially significant flood risk (APSFRR) under Article 5 or Article 13.1(a), and areas covered by Article 13.1(b), on the basis of the maps prepared under Article 6					

attribute **FRMP/@CreationDate**

type	xs:string
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attribute **FRMP/@Creator**

type	xs:string
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attribute **FRMP/@Email**

type	xs:string
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attribute **FRMP/@Language**

type	LanguageCode																																																															
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr><td>enumeration</td><td>bg</td><td></td></tr> <tr><td>enumeration</td><td>es</td><td></td></tr> <tr><td>enumeration</td><td>cs</td><td></td></tr> <tr><td>enumeration</td><td>da</td><td></td></tr> <tr><td>enumeration</td><td>de</td><td></td></tr> <tr><td>enumeration</td><td>et</td><td></td></tr> <tr><td>enumeration</td><td>el</td><td></td></tr> <tr><td>enumeration</td><td>en</td><td></td></tr> <tr><td>enumeration</td><td>fr</td><td></td></tr> <tr><td>enumeration</td><td>ga</td><td></td></tr> <tr><td>enumeration</td><td>hr</td><td></td></tr> <tr><td>enumeration</td><td>ic</td><td></td></tr> <tr><td>enumeration</td><td>it</td><td></td></tr> <tr><td>enumeration</td><td>lv</td><td></td></tr> <tr><td>enumeration</td><td>lt</td><td></td></tr> <tr><td>enumeration</td><td>hu</td><td></td></tr> <tr><td>enumeration</td><td>mt</td><td></td></tr> <tr><td>enumeration</td><td>nl</td><td></td></tr> <tr><td>enumeration</td><td>no</td><td></td></tr> <tr><td>enumeration</td><td>pl</td><td></td></tr> </tbody> </table>	Kind	Value	Annotation	enumeration	bg		enumeration	es		enumeration	cs		enumeration	da		enumeration	de		enumeration	et		enumeration	el		enumeration	en		enumeration	fr		enumeration	ga		enumeration	hr		enumeration	ic		enumeration	it		enumeration	lv		enumeration	lt		enumeration	hu		enumeration	mt		enumeration	nl		enumeration	no		enumeration	pl	
Kind	Value	Annotation																																																														
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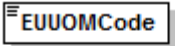
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diagram			
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	enumeration	BG	
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	enumeration	CY	
	enumeration	DE	
	enumeration	DK	
	enumeration	EE	
	enumeration	EL	
	enumeration	ES	
	enumeration	FI	
	enumeration	FR	
	enumeration	HR	
	enumeration	HU	
	enumeration	IE	

	enumeration IS enumeration IT enumeration LT enumeration LU enumeration LV enumeration MT enumeration NO enumeration NL enumeration PL enumeration PT enumeration RO enumeration SE enumeration SI enumeration SK enumeration TR enumeration UK
annotation	documentation Two-letter ISO Country code

element **FRMP/EUUOMCode**


diagram	 <p>Unique EU code for the Unit of Management. Add the two-letter ISO Country code to the Member State unique id - up to 42 characters in total</p>									
type	FeatureUniqueEUCodeType									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>3</td> <td></td> </tr> <tr> <td>maxLength</td> <td>42</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	3		maxLength	42	
Kind	Value	Annotation								
minLength	3									
maxLength	42									
annotation	documentation Unique EU code for the Unit of Management. Add the two-letter ISO Country code to the Member State unique id - up to 42 characters in total									

element **FRMP/SummaryOverall**

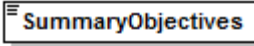


annotation	documentation To be completed at the level of the RBD/UoM, but may also be completed by APSFR provided that coordination at the level of the RBD/UoM is also then indicated
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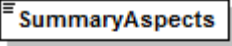
element **FRMP/SummaryOverall/APSFRCode**

diagram	 <p>Unique EU code for the area of potential significant flood risk. Add the two-letter ISO Country code to the Member State unique id - up to 42 characters in total</p>									
type	FeatureUniqueEUCodeType									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>3</td> <td></td> </tr> <tr> <td>maxLength</td> <td>42</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	3		maxLength	42	
Kind	Value	Annotation								
minLength	3									
maxLength	42									
annotation	documentation Unique EU code for the area of potential significant flood risk. Add the two-letter ISO Country code to the Member State unique id - up to 42 characters in total									


element **FRMP/SummaryOverall/SummaryObjectives**

diagram	 <p>A summary (less than 20,000 characters) of the objectives referred to under Article 7(2), including a description of how the objectives relate to impacts on human health, the environment, cultural heritage and economic activity, the process for developing objectives and selecting and prioritising measures to achieve the stated objectives. (Article 7(2), Annex Part A.I.3)</p>									
type	String20000Type									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>20000</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	20000	
Kind	Value	Annotation								
minLength	1									
maxLength	20000									
annotation	documentation A summary (less than 20,000 characters) of the objectives referred to under Article 7(2), including a description of how the objectives relate to impacts on human health, the environment, cultural heritage and economic activity, the process for developing objectives and selecting and prioritising measures to achieve the stated objectives. (Article 7(2), Annex Part A.I.3)									

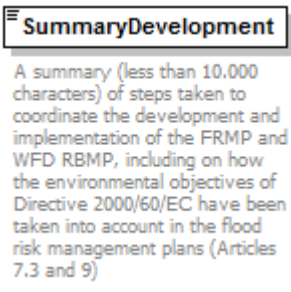
element **FRMP/SummaryOverall/SummaryAspects**

diagram	 <p>A summary (less than 20.000 characters) of how all aspects of flood risk management (focussing on prevention, protection, preparedness, including flood forecasts and early warning systems) have been addressed in the flood risk management plan (Article 7.3)</p>									
type	String20000Type									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>20000</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	20000	
Kind	Value	Annotation								
minLength	1									
maxLength	20000									
annotation	<p>documentation</p> <p>A summary (less than 20.000 characters) of how all aspects of flood risk management (focussing on prevention, protection, preparedness, including flood forecasts and early warning systems) have been addressed in the flood risk management plan (Article 7.3)</p>									

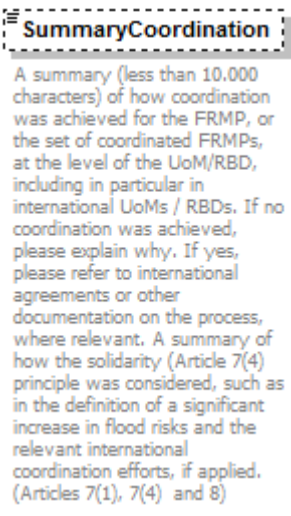
element **FRMP/SummaryOverall/SummaryFloodExtent**

diagram	 <p>A summary (less than 10.000 characters) on how flood extent and flood conveyance routes and areas which have the potential to retain flood water, such as natural flood plains have been taken into account, and if relevant, the promotion of sustainable land use practices, improvement in water retention as well as the controlled flooding of certain areas in the case of a flood event has been included in the FRMP, as well as how soil and water management, spatial planning, land use, nature conservation, navigation and port infrastructure have been taken into account (Article 7.3)</p>									
type	String100000Type									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>100000</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	100000	
Kind	Value	Annotation								
minLength	1									
maxLength	100000									
annotation	<p>documentation</p> <p>A summary (less than 10.000 characters) on how flood extent and flood conveyance routes and areas which have the potential to retain flood water, such as natural flood plains have been taken into account, and if relevant, the promotion of sustainable land use practices, improvement in water retention as well as the controlled flooding of certain areas in the case of a flood event has been included in the FRMP, as well as how soil and water management, spatial planning, land use, nature conservation, navigation and port infrastructure have been taken into account (Article 7.3)</p>									

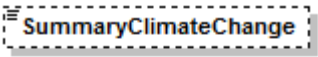
element **FRMP/SummaryOverall/SummaryDevelopment**

diagram	 <p>SummaryDevelopment</p> <p>A summary (less than 10.000 characters) of steps taken to coordinate the development and implementation of the FRMP and WFD RBMP, including on how the environmental objectives of Directive 2000/60/EC have been taken into account in the flood risk management plans (Articles 7.3 and 9)</p>									
type	String10000Type									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>10000</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	10000	
Kind	Value	Annotation								
minLength	1									
maxLength	10000									
annotation	<p>documentation</p> <p>A summary (less than 10.000 characters) of steps taken to coordinate the development and implementation of the FRMP and WFD RBMP, including on how the environmental objectives of Directive 2000/60/EC have been taken into account in the flood risk management plans (Articles 7.3 and 9)</p>									

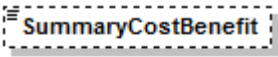
element **FRMP/SummaryOverall/SummaryCoordination**

diagram	 <p>SummaryCoordination</p> <p>A summary (less than 10.000 characters) of how coordination was achieved for the FRMP, or the set of coordinated FRMPs, at the level of the UoM/RBD, including in particular in international UoMs / RBDs. If no coordination was achieved, please explain why. If yes, please refer to international agreements or other documentation on the process, where relevant. A summary of how the solidarity (Article 7(4) principle was considered, such as in the definition of a significant increase in flood risks and the relevant international coordination efforts, if applied. (Articles 7(1), 7(4) and 8)</p>									
type	String10000Type									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>10000</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	10000	
Kind	Value	Annotation								
minLength	1									
maxLength	10000									
annotation	<p>documentation</p> <p>A summary (less than 10.000 characters) of how coordination was achieved for the FRMP, or the set of coordinated FRMPs, at the level of the UoM/RBD, including in particular in international UoMs / RBDs. If no coordination was achieved, please explain why. If yes, please refer to international agreements or other documentation on the process, where relevant. A summary of how the solidarity (Article 7(4) principle was considered, such as in the definition of a significant increase in flood risks and the relevant international coordination efforts, if applied. (Articles 7(1), 7(4) and 8)</p>									


element **FRMP/SummaryOverall/SummaryClimateChange**

diagram	 <p>A summary (less than 5.000 characters) of whether and if so how the impact of climate change on the occurrence of floods has been taken into account(Article 14.4). This information will be required for the second reporting cycle of the FRMP</p>									
type	String5000Type									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>5000</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	5000	
Kind	Value	Annotation								
minLength	1									
maxLength	5000									
annotation	documentation A summary (less than 5.000 characters) of whether and if so how the impact of climate change on the occurrence of floods has been taken into account(Article 14.4). This information will be required for the second reporting cycle of the FRMP									

element **FRMP/SummaryOverall/SummaryCostBenefit**

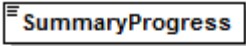
diagram	 <p>A summary (less than 5.000 characters) of the methodology of cost-benefit analysis used to assess measures with a transnational effect (when available). (Annex Part A.I.5)</p>									
type	String5000Type									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>5000</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	5000	
Kind	Value	Annotation								
minLength	1									
maxLength	5000									
annotation	documentation A summary (less than 5.000 characters) of the methodology of cost-benefit analysis used to assess measures with a transnational effect (when available). (Annex Part A.I.5)									

element **FRMP/SummaryOverall/SummaryConsultation**

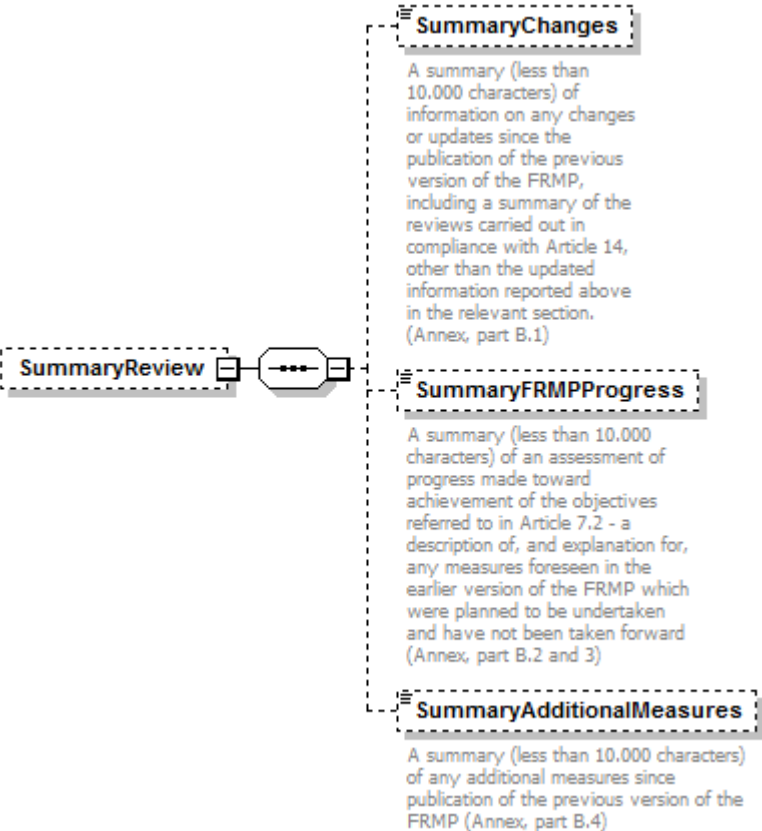
diagram	 <p>A summary (less than 5.000 characters) of the public information and consultation, and the encouragement of active involvement of interested parties in the development of the FRMP in coordination with WFD. (Articles 9 and 10, Annex Part A.II.2) (The schema for reporting this will seek to avoid double reporting with respect to the equivalent requirement of the WFD RBMP reports)</p>									
type	String5000Type									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>5000</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	5000	
Kind	Value	Annotation								
minLength	1									
maxLength	5000									

annotation	documentation A summary (less than 5.000 characters) of the public information and consultation, and the encouragement of active involvement of interested parties in the development of the FRMP in coordination with WFD. (Articles 9 and 10, Annex Part A.II.2) (The schema for reporting this will seek to avoid double reporting with respect to the equivalent requirement of the WFD RBMP reports)
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element **FRMP/SummaryOverall/SummaryProgress**

diagram	 <p>A description (less than 5.000 characters) of the way in which progress towards implementing the identified measures will be monitored. (Annex Part A.II.1)</p>									
type	String5000Type									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>5000</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	5000	
Kind	Value	Annotation								
minLength	1									
maxLength	5000									
annotation	documentation A description (less than 5.000 characters) of the way in which progress towards implementing the identified measures will be monitored. (Annex Part A.II.1)									


element **FRMP/SummaryReview**

diagram	 <p>SummaryChanges A summary (less than 10.000 characters) of information on any changes or updates since the publication of the previous version of the FRMP, including a summary of the reviews carried out in compliance with Article 14, other than the updated information reported above in the relevant section. (Annex, part B.1)</p> <p>SummaryFRMPProgress A summary (less than 10.000 characters) of an assessment of progress made toward achievement of the objectives referred to in Article 7.2 - a description of, and explanation for, any measures foreseen in the earlier version of the FRMP which were planned to be undertaken and have not been taken forward (Annex, part B.2 and 3)</p> <p>SummaryAdditionalMeasures A summary (less than 10.000 characters) of any additional measures since publication of the previous version of the FRMP (Annex, part B.4)</p>
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element **FRMP/SummaryReview/SummaryChanges**

diagram	 SummaryChanges A summary (less than 10,000 characters) of information on any changes or updates since the publication of the previous version of the FRMP, including a summary of the reviews carried out in compliance with Article 14, other than the updated information reported above in the relevant section. (Annex, part B.1)									
type	String10000Type									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>10000</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	10000	
Kind	Value	Annotation								
minLength	1									
maxLength	10000									
annotation	documentation A summary (less than 10,000 characters) of information on any changes or updates since the publication of the previous version of the FRMP, including a summary of the reviews carried out in compliance with Article 14, other than the updated information reported above in the relevant section. (Annex, part B.1)									

element **FRMP/SummaryReview/SummaryFRMPPProgress**

diagram	 SummaryFRMPPProgress A summary (less than 10,000 characters) of an assessment of progress made toward achievement of the objectives referred to in Article 7.2 - a description of, and explanation for, any measures foreseen in the earlier version of the FRMP which were planned to be undertaken and have not been taken forward (Annex, part B.2 and 3)									
type	String10000Type									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>10000</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	10000	
Kind	Value	Annotation								
minLength	1									
maxLength	10000									
annotation	documentation A summary (less than 10,000 characters) of an assessment of progress made toward achievement of the objectives referred to in Article 7.2 - a description of, and explanation for, any measures foreseen in the earlier version of the FRMP which were planned to be undertaken and have not been taken forward (Annex, part B.2 and 3)									

element **FRMP/SummaryReview/SummaryAdditionalMeasures**

diagram	 SummaryAdditionalMeasures A summary (less than 10,000 characters) of any additional measures since publication of the previous version of the FRMP (Annex, part B.4)						
type	String10000Type						
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1	
Kind	Value	Annotation					
minLength	1						

	maxLength 10000
annotation	documentation A summary (less than 10.000 characters) of any additional measures since publication of the previous version of the FRMP (Annex, part B.4)

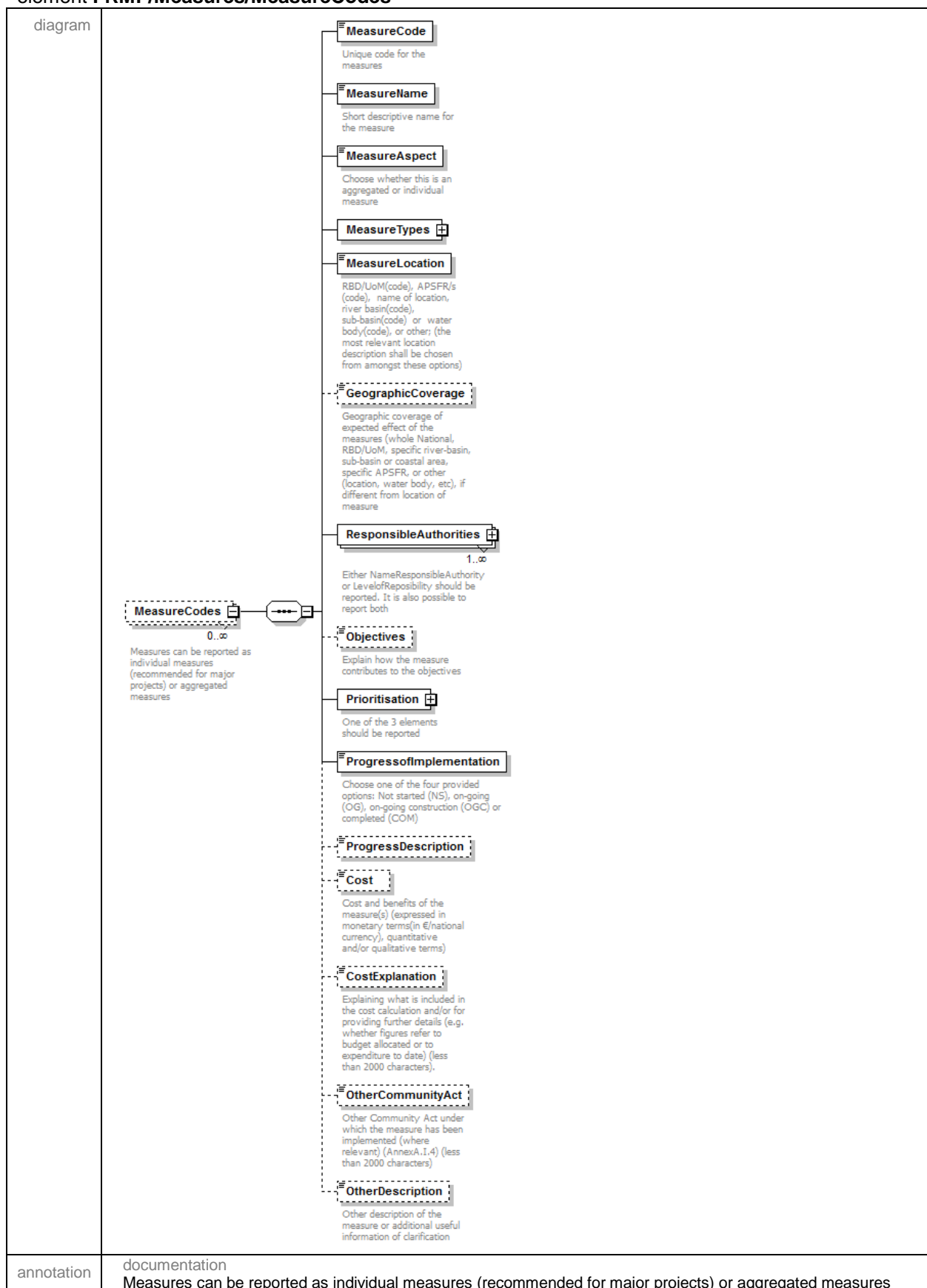
element **FRMP/Measures**

diagram	<p>For measures reported for the WFD RBMP, use the same code. If all relevant information is reported for the WFD RBMP programme of measure no further information needs to be provided here then report the WFDMeasureCode. If the measure is not reported in the WFD PoM, report all relevant information under MeasureCode</p>
annotation	documentation For measures reported for the WFD RBMP, use the same code. If all relevant information is reported for the WFD RBMP programme of measure no further information needs to be provided here then report the WFDMeasureCode. If the measure is not reported in the WFD PoM, report all relevant information under MeasureCode

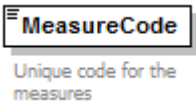
element **FRMP/Measures/WFDMeasureCode**

diagram										
type	String250Type									
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Kind	Value	Annotation								
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maxLength	250									
annotation	documentation Unique code for the latest version of the WFD Measure Code									

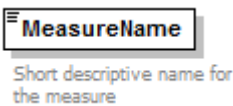
element **FRMP/Measures/MeasureCodes**



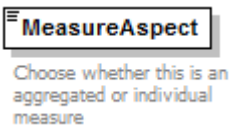
element **FRMP/Measures/MeasureCodes/MeasureCode**

diagram										
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maxLength	250									
annotation	documentation Unique code for the measures									

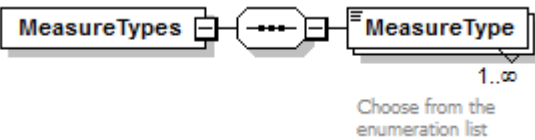
element **FRMP/Measures/MeasureCodes/MeasureName**

diagram										
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Kind	Value	Annotation								
minLength	1									
maxLength	250									
annotation	documentation Short descriptive name for the measure									

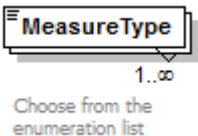
element **FRMP/Measures/MeasureCodes/MeasureAspect**

diagram										
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Kind	Value	Annotation								
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enumeration	Individual									
annotation	documentation Choose whether this is an aggregated or individual measure									

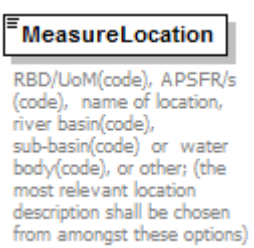
element **FRMP/Measures/MeasureCodes/MeasureTypes**

diagram	
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element **FRMP/Measures/MeasureCodes/MeasureTypes/MeasureType**

diagram			
type	MeasureType		
facets	Kind	Value	Annotation
	enumeration	M11	
	enumeration	M21	
	enumeration	M22	
	enumeration	M23	
	enumeration	M24	
	enumeration	M31	
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	enumeration	M34	
	enumeration	M35	
	enumeration	M41	
	enumeration	M42	
	enumeration	M43	
	enumeration	M44	
	enumeration	M51	
	enumeration	M52	
	enumeration	M53	
	enumeration	M61	
annotation	documentation Choose from the enumeration list		

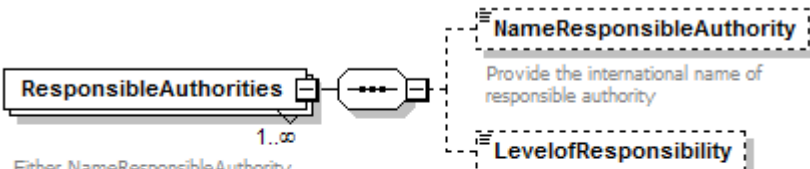
element **FRMP/Measures/MeasureCodes/MeasureLocation**

diagram			
type	String250Type		
facets	Kind	Value	Annotation
	minLength	1	
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annotation	documentation RBD/UoM(code), APSFR/s (code), name of location, river basin(code), sub-basin(code) or water body(code), or other; (the most relevant location description shall be chosen from amongst these options)		

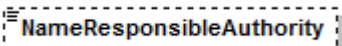
element **FRMP/Measures/MeasureCodes/GeographicCoverage**

diagram	 <p>GeographicCoverage</p> <p>Geographic coverage of expected effect of the measures (whole National, RBD/UoM, specific river-basin, sub-basin or coastal area, specific APSFR, or other (location, water body, etc), if different from location of measure</p>									
type	String1000Type									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>1000</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	1000	
Kind	Value	Annotation								
minLength	1									
maxLength	1000									
annotation	documentation Geographic coverage of expected effect of the measures (whole National, RBD/UoM, specific river-basin, sub-basin or coastal area, specific APSFR, or other (location, water body, etc), if different from location of measure									

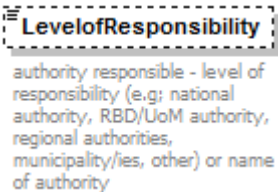
element **FRMP/Measures/MeasureCodes/ResponsibleAuthorities**

diagram	 <p>ResponsibleAuthorities</p> <p>1..∞</p> <p>Either NameResponsibleAuthority or LevelofResponsibility should be reported. It is also possible to report both</p> <p>NameResponsibleAuthority</p> <p>Provide the international name of responsible authority</p> <p>LevelofResponsibility</p> <p>authority responsible - level of responsibility (e.g; national authority, RBD/UoM authority, regional authorities, municipality/ies, other) or name of authority</p>
annotation	documentation Either NameResponsibleAuthority or LevelofResponsibility should be reported. It is also possible to report both


element **FRMP/Measures/MeasureCodes/ResponsibleAuthorities/NameResponsibleAuthority**

diagram	 <p>NameResponsibleAuthority</p> <p>Provide the international name of responsible authority</p>									
type	String250Type									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>250</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	250	
Kind	Value	Annotation								
minLength	1									
maxLength	250									
annotation	documentation Provide the international name of responsible authority									

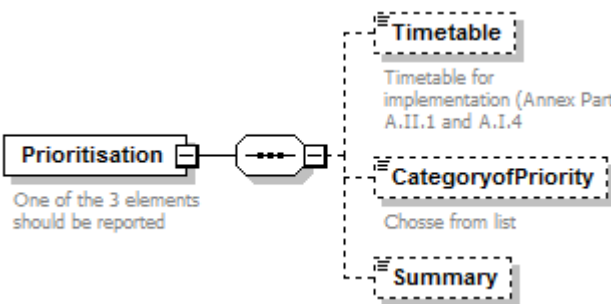
element **FRMP/Measures/MeasureCodes/ResponsibleAuthorities/LevelofResponsibility**

diagram	 <p>LevelofResponsibility authority responsible - level of responsibility (e.g; national authority, RBD/UoM authority, regional authorities, municipality/ies, other) or name of authority</p>									
type	String250Type									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>250</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	250	
Kind	Value	Annotation								
minLength	1									
maxLength	250									
annotation	documentation authority responsible - level of responsibility (e.g; national authority, RBD/UoM authority, regional authorities, municipality/ies, other) or name of authority									


element **FRMP/Measures/MeasureCodes/Objectives**

diagram	 <p>Objectives Explain how the measure contributes to the objectives</p>									
type	String5000Type									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>5000</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	5000	
Kind	Value	Annotation								
minLength	1									
maxLength	5000									
annotation	documentation Explain how the measure contributes to the objectives									

element **FRMP/Measures/MeasureCodes/Prioritisation**

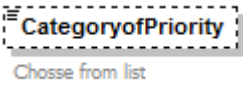
diagram	 <p>Prioritisation One of the 3 elements should be reported</p> <p>Timetable Timetable for implementation (Annex Part A.II.1 and A.I.4)</p> <p>CategoryofPriority Chosse from list</p> <p>Summary</p>
annotation	documentation One of the 3 elements should be reported

element **FRMP/Measures/MeasureCodes/Prioritisation/Timetable**

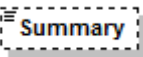
diagram	 <p>Timetable Timetable for implementation (Annex Part A.II.1 and A.I.4)</p>
type	String5000Type

facets	Kind minLength maxLength	Value 1 5000	Annotation
annotation	documentation Timetable for implementation (Annex Part A.II.1 and A.I.4)		

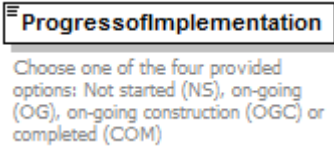
element **FRMP/Measures/MeasureCodes/Prioritisation/CategoryofPriority**

diagram			
type	PriorityCategories		
facets	Kind enumeration enumeration enumeration enumeration enumeration	Value VeryHigh High Critical Moderate Low	Annotation
annotation	documentation Chosse from list		

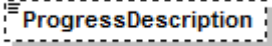
element **FRMP/Measures/MeasureCodes/Prioritisation/Summary**

diagram			
type	String5000Type		
facets	Kind minLength maxLength	Value 1 5000	Annotation

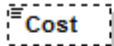
element **FRMP/Measures/MeasureCodes/ProgressofImplementation**

diagram			
type	Status		
facets	Kind enumeration enumeration enumeration enumeration	Value NS POG OGC COM	Annotation
annotation	documentation Choose one of the four provided options: Not started (NS), on-going (OG), on-going construction (OGC) or completed (COM)		

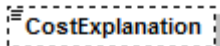
element **FRMP/Measures/MeasureCodes/ProgressDescription**

diagram										
type	String5000Type									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>5000</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	5000	
Kind	Value	Annotation								
minLength	1									
maxLength	5000									

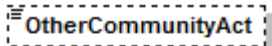
element **FRMP/Measures/MeasureCodes/Cost**

diagram	 <p>Cost and benefits of the measure(s) (expressed in monetary terms(in €/national currency), quantitative and/or qualitative terms)</p>									
type	String2000Type									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>2000</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	2000	
Kind	Value	Annotation								
minLength	1									
maxLength	2000									
annotation	documentation Cost and benefits of the measure(s) (expressed in monetary terms(in €/national currency), quantitative and/or qualitative terms)									

element **FRMP/Measures/MeasureCodes/CostExplanation**

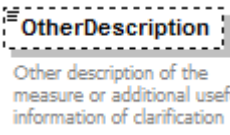
diagram	 <p>Explaining what is included in the cost calculation and/or for providing further details (e.g. whether figures refer to budget allocated or to expenditure to date) (less than 2000 characters).</p>									
type	String2000Type									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>2000</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	2000	
Kind	Value	Annotation								
minLength	1									
maxLength	2000									
annotation	documentation Explaining what is included in the cost calculation and/or for providing further details (e.g. whether figures refer to budget allocated or to expenditure to date) (less than 2000 characters).									

element **FRMP/Measures/MeasureCodes/OtherCommunityAct**

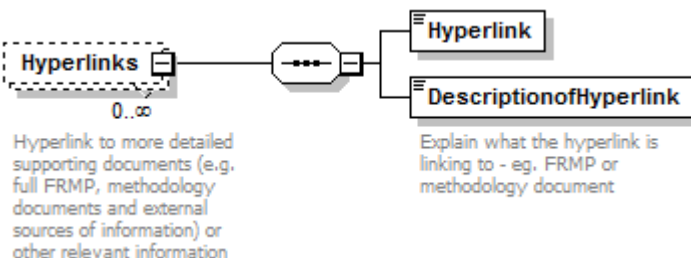
diagram	 <p>Other Community Act under which the measure has been implemented (where relevant) (AnnexA.I.4) (less than 2000 characters)</p>
type	String2000Type

facets	Kind minLength maxLength	Value 1 2000	Annotation
annotation	documentation Other Community Act under which the measure has been implemented (where relevant) (AnnexA.I.4) (less than 2000 characters)		

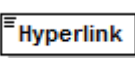
element **FRMP/Measures/MeasureCodes/OtherDescription**

diagram			
type	String5000Type		
facets	Kind minLength maxLength	Value 1 5000	Annotation
annotation	documentation Other description of the measure or additional useful information of clarification		

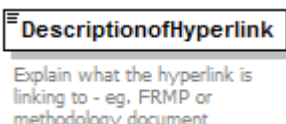
element **FRMP/Hyperlinks**

diagram			
annotation	documentation Hyperlink to more detailed supporting documents (e.g. full FRMP, methodology documents and external sources of information) or other relevant information		

element **FRMP/Hyperlinks/Hyperlink**

diagram			
type	xs:anyURI		

element **FRMP/Hyperlinks/DescriptionofHyperlink**

diagram			
type	String1000Type		
facets	Kind minLength maxLength	Value 1 1000	Annotation

annotation	documentation Explain what the hyperlink is linking to - eg. FRMP or methodology document
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XML Schema documentation generated by [XMLSpy](http://www.altova.com/xmlspy) Schema Editor <http://www.altova.com/xmlspy>