department for
education and skills

QWS Data User Manual

Department for Education and Skills

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Document Version History

CHANGE HISTORY

VERSION	DATE	CHANGES
1.0	30th March 2007	Initial Version

REVIEW AND APPROVAL

ORGANISATION	NAME	DATE	SIGNATURE
DfES/DSG	Gerard Hassett	2007-03-30	✓
DfES/DSG	Mat Downs	2007-03-28	✓
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1. Introduction

1.1 Background

Qualification Accreditation Number (QAN) data is being supplied to support the collection of Post-16 Learning Aims (PLA) data from secondary schools with sixth forms. From the 2007/2008 academic year these data will be collected using the School Census. The QAN Web Services (QWS) project has been developed to provide a system for delivering QAN data to schools and other interested parties. The data provided has been tailored specifically from the more generic data received from QCA to support school teaching and learning activities and to improve the data quality from future School Census collections.

The QWS system has been designed to provide data in two ways:

- Web Services, an interactive system which allows dynamic access to the QAN data files; and
- Web Site download facilities, allowing users to obtain data by standard file downloads.

1.2 Web Services

Details of the Web Services available, and the mechanisms for accessing them, may be found on the QWS web site at:

http://data.dfes.gov.uk/qwsweb/Documentation.aspx

The following documents[1] are available:

System Integration Guide
http://data.dfes.gov.uk/qwsweb/XSDs/QWS_SI_Guide_v1.01.doc
Public Web Services WSDL file
http://data.dfes.gov.uk/qws/qwswebservice.asmx?WSDL
Private Web Services WSDL file
http://data.dfes.gov.uk/qws/qwswebserviceschool.asmx?WSDL

1.3 Web Site (Downloads)

QAN data may be downloaded from the QWS web site at:

http://data.dfes.gov.uk/qwsweb/Main.aspx

[1] A Web Services Description Language (WSDL) file is an XML formatted file for describing Web services. (See http://www.w3.org/2002/ws/desc/)

1.4 Scope

This document provides information on the data contained in the following data tables:

- Current QAN Data
- Expired QAN Data
- Awarding Body
- Qualification Type
- Discount Code
- Sector Subject Framework Tier 2
- Sector Subject Framework Tier 1
- Discount Code Mapping
- Qualification Type Points

This document does not provide any information on the School QAN list files which will be provided during the first year of QWS operation.

2. General

2.1 Data Types

The following general data types are used to describe data items:

Data Type	Notation	Notes/Pattern
Integer	INT	Whole number with no decimal point
Numeric	NUM	Any number (including decimal places)
Character	CHAR(x)	Character string of fixed length (x)
Variable Character	VARCHAR(x)	Variable character string with maximum length (x)
Date	DATE	CCYY-MM-DD
Time	TIME	HH:MM:SS

2.2 Data Patterns

Standard XML pattern notation will be used to describe patterns applicable to particular data items. Some commonly used notations are:

Notation	Meaning
Example	Example Meaning
[]	**Square brackets contain allowable values**
[0-9]	Any number
[A-Z]	Any uppercase letter
[a-z]	Any lowercase letter
[0-9A-Z*]	Any number or any uppercase letter or an asterisk
*****	**Quantifier – Zero or more**
[A-Za-z]*	Zero or more uppercase or lowercase letters
+	**Quantifier – One or more**
[A-Za-z]+	One or more uppercase or lowercase letters
?	**Quantifier – One or none**
[A-Z]?	One or no uppercase letter
{}	**Curly brackets contain quantifier information**
[A-Z]{3}	Three uppercase letters
[A-Z]{2,}	At least two uppercase letters
[A-Z]{1,5}	At least one but no more than 5 uppercase letters
|	**Pipe delineates options**
A|B	“A” or “B”
()	**Brackets contain groups**
(AB)|(CD)	Either “AB” or “CD”
([0-9]{4})|([A-Z]{4})	Either four numbers or four uppercase letters

Note: An escape character (\) instructs the XML processor to take the next character literally.

An example of the use of a pattern, is for the QAN. The pattern for a QAN is:

```
[0-9A-Z#]([0-9]{6})[0-9A-Za-z]
```

This indicates that a QAN:

(a) must start with either a number, an uppercase letter or a “#” (hash character);
(b) must then have six numbers; and
(c) must end with a number or letter.

2.3 Data Enumerations

Some data items have a restricted list of allowable values. These are termed enumerations. Enumerations are listed in the appropriate schema file.

2.4 Date Fields

All dates within QWS are in ISO date format, i.e. CCYY-MM-DD. Some database systems, and some spreadsheet programs, will not always support this format. In these cases, where a DATE data type has been indicated the system may need to be set to CHAR(10).

3. Data Tables

3.1 Table Structures

The following sections give structure information for each of the QWS database tables.

3.1.1 QAN Main Table

Note: This structure applies to both the Current QAN Data and Expired QAN Data.

	Field	Type	Pattern	Enum
01	QAN_ID	INT		
02	QAN	CHAR(8)	[0-9A-Z#]([0-9]{6})[0-9A-Za-z]	
03	AB	CHAR(3)	[Z0-9]*	
04	QualType	VARCHAR(3)	[A-Z0-9]{1,3}	
05	Map	CHAR(4)		✓
06	DiscCode	VARCHAR(4)	([0-9]{4})|([A-Z]{2}[0-9A-Za-z]{0,2})	
07	QualificationTitle	VARCHAR(165)		
08	QualShortTitle	VARCHAR(55)		
09	AccStartDate	DATE	[12][90][0-9]{2}-[01][0-9]-[0123][0-9]	
10	AccEndDate	DATE	[12][90][0-9]{2}-[01][0-9]-[0123][0-9]	
11	CertEndDate	DATE	[12][90][0-9]{2}-[01][0-9]-[0123][0-9]	
12	AppStartDate	DATE	[12][90][0-9]{2}-[01][0-9]-[0123][0-9]	
13	AppEndDate	DATE	[12][90][0-9]{2}-[01][0-9]-[0123][0-9]	
14	SSFT2	VARCHAR(4)	[0-9]{1,2}\.[0-9]{1,2}	
15	SSFT1	VARCHAR(2)	[0-9]{1,2}	✓
16	NQF	VARCHAR(8)	(E[123]?|[0-9])(;E?[0-9])*	
17	EffectiveFrom	DATE		
18	EffectiveTo	DATE		
19	LastUpdated	DATE		

3.1.2 Awarding Body

	Field	Type	Pattern	Enum
01	AB_ID	INT		
02	AB	CHAR(3)	[0-9Z][0-9]{2}	
03	AwardingBodyName	VARCHAR(130)		
04	AB_Acronym	VARCHAR (20)		
05	EffectiveFrom	DATE		
06	EffectiveTo	DATE		
07	LastUpdated	DATE		

3.1.3 Qualification Type

	Field	Type	Pattern	Enum
01	QualType_ID	INT		
02	QualType	VARCHAR (3)	[0-9A-Z]{1,3}	
03	QualificationDescription	VARCHAR (75)		
04	NQF	VARCHAR (8)	(E[123]?|[0-9])(;E?[0-9])*	
05	DiscountFamily	VARCHAR (3)		
06	QualCode	VARCHAR (3)	[0-9]{1,3}	
07	EffectiveFrom	DATE		
08	EffectiveTo	DATE		
09	LastUpdated	DATE		

3.1.4 Discount Code

	Field	Type	Pattern	Enum
01	DiscCode_ID	INT		
02	DiscCode	VARCHAR (4)	([0-9]{4})|([A-Z]{2}[0-9A-Za-z]{0,2})	
03	DiscCodeDescription	VARCHAR (60)		
04	SSFT2	VARCHAR (4)	[0-9]{1,2}\.[0-9]{1,2}	
05	SSFT1	VARCHAR (2)	[0-9]{1,2}	
06	Map	CHAR (4)		✓
07	EffectiveFrom	DATE		
08	EffectiveTo	DATE		
09	LastUpdated	DATE		

3.1.5 Sector Subject Framework Tier 2

	Field	Type	Pattern	Enum
01	SSFT2_ID	INT		
02	SSFT2	VARCHAR (4)	[0-9]{1,2}\.[0-9]{1,2}	
03	SSFT2Description	VARCHAR (55)		
04	SSFT1	VARCHAR (2)	[0-9]{1,2}	✓
05	SSFT1Description	VARCHAR (50)		
06	EffectiveFrom	DATE		
07	EffectiveTo	DATE		
08	LastUpdated	DATE		

3.1.6 Sector Subject Framework Tier 1

	Field	Type	Pattern	Enum
01	SSFT1_ID	INT		
02	SSFT1	VARCHAR (2)	[0-9]{1,2}	✓
03	SSFT1Description	VARCHAR (50)		
04	EffectiveFrom	DATE		
05	EffectiveTo	DATE		
06	LastUpdated	DATE		

3.1.7 Discount Code Mapping

	Field	Type	Pattern	Enum
01	Map_ID	INT		
02	Map	CHAR(4)		✓
03	MapDescription	VARCHAR (40)		
04	EffectiveFrom	DATE		
05	EffectiveTo	DATE		
06	LastUpdated	DATE		

3.1.8 Qualification Type Points

	Field	Type	Pattern	Enum
01	QualType_ID	INT		
02	QualGrade	VARCHAR (3)	[0-9A-Z*]{1,3}	
03	UCAS_Pts	INT		
04	QCA_Pts	NUM		

3.2 Field Relationships

The following table shows field relationship information for the QWS database tables. (Primary Keys are highlighted.)

Field Name	Table	QAN Main Table	Awarding Body	Qualification Type	Discount Code	Sector Subject Framework Tier 2	Sector Subject Framework Tier 1	Discount Code Mapping	Qualification Type Points
QAN_ID		✓							
QAN		✓							
AB		✓	✓						
QualType		✓		✓					
Map		✓			✓			✓	
DiscCode		✓			✓				
QualificationTitle		✓							
QualShortTitle		✓							
AccStartDate		✓							
AccEndDate		✓							
CertEndDate		✓							
AppStartDate		✓							
AppEndDate		✓							
SSFT2		✓			✓	✓			
SSFT1		✓			✓	✓	✓		
NQF		✓		✓					
EffectiveFrom		✓	✓	✓	✓	✓	✓	✓	
EffectiveTo		✓	✓	✓	✓	✓	✓	✓	
LastUpdated		✓	✓	✓	✓	✓	✓	✓	
AB_ID			✓						
AwardingBodyName			✓						
AB_Acronym			✓						
QualType_ID				✓					✓
QualificationDescription				✓					
DiscountFamily				✓					
QualCode				✓					
DiscCode_ID					✓				
DiscCodeDescription					✓				
SSFT2_ID						✓			
SSFT2Description						✓			
SSFT1Description						✓	✓		
SSFT1_ID							✓		
Map_ID								✓	
MapDescription								✓	
QualGrade									✓
UCAS_Pts									✓
QCA_Pts									✓

4. XML Schemas

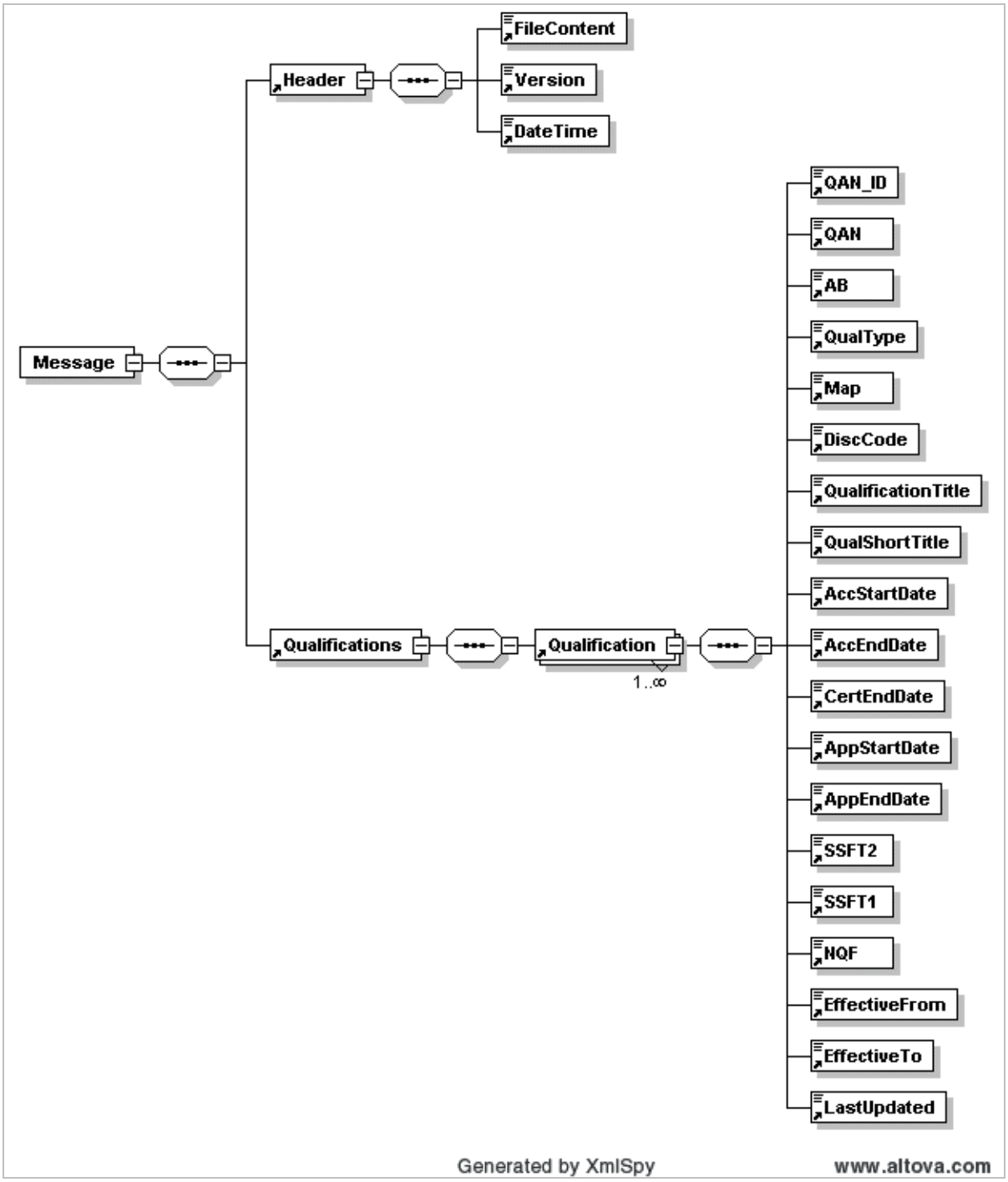
The following sections provide detailed information[2] on the contents of each of the XML schemas, including message structure diagrams:

Section	Data	XML Schema Filename
4.1	QAN Main Data	QAN_Main_V1.1.xsd
4.2	Awarding Body	QAN_AB_V1.0.xsd
4.3	Qualification Type	QAN_QualType_V1.0.xsd
4.4	Discount Code	QAN_DiscCode_V1.1.xsd
4.5	Sector Subject Framework Tier 2	QAN_SSFT2_V1.1.xsd
4.6	Sector Subject Framework Tier 1	QAN_SSFT1_V1.1.xsd
4.7	Discount Code Mapping	QAN_Map_V1.0.xsd
4.8	Qualification Type Points	QAN_QualTypePoints_V1.2.xsd

2 XML Schema documentation generated by **XMLSpy**.

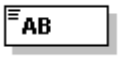
4.1 QAN_Main_V1.1.xsd

Figure 1: QAN_Main_V1.1 - Message Structure



Elements
AB
AccEndDate
AccStartDate
AppEndDate
AppStartDate
CertEndDate
DateTime
DiscCode
EffectiveFrom
EffectiveTo
FileContent
Header
LastUpdated
Map
Message
NQF
QAN
QAN_ID
Qualification
Qualifications
QualificationTitle
QualShortTitle
QualType
SSFT1
SSFT2
Version

element: **AB**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **Qualification**
facets	minLength 0 maxLength 3 whiteSpace collapse pattern [Z0-9]*

source	`<xs:element name="AB" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:whiteSpace value="collapse"/>`
	`  <xs:minLength value="0"/>`
	`  <xs:maxLength value="3"/>`
	`  <xs:pattern value="[Z0-9]*"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element: **AccEndDate**

diagram	
type	restriction of **xs:date**
properties	content simple nillable false
used by	element **Qualification**
facets	pattern [12][90][0-9]{2}-[01][0-9]-[0123][0-9]

source	`<xs:element name="AccEndDate" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:date">`
	`  <xs:pattern value="[12][90][0-9]{2}-[01][0-9]-[0123][0-9]"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`

	`</xs:element>`

element: **AccStartDate**

diagram	
type	restriction of **xs:date**
properties	content simple nillable false
used by	element **Qualification**
facets	whiteSpace collapse pattern [12][90][0-9]{2}-[01][0-9]-[0123][0-9]

source	`<xs:element name="AccStartDate" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:date">`
	`  <xs:whiteSpace value="collapse"/>`
	`  <xs:pattern value="[12][90][0-9]{2}-[01][0-9]-[0123][0-9]"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element: **AppEndDate**

diagram	
type	restriction of **xs:date**
properties	content simple nillable false
used by	element **Qualification**
facets	pattern [12][90][0-9]{2}-[01][0-9]-[0123][0-9]

source	`<xs:element name="AppEndDate" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:date">`
	`  <xs:pattern value="[12][90][0-9]{2}-[01][0-9]-[0123][0-9]"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element: **AppStartDate**

diagram	
type	restriction of **xs:date**
properties	content simple nillable false
used by	element **Qualification**
facets	pattern [12][90][0-9]{2}-[01][0-9]-[0123][0-9]

source	`<xs:element name="AppStartDate" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:date">`
	`  <xs:pattern value="[12][90][0-9]{2}-[01][0-9]-[0123][0-9]"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element: **CertEndDate**

diagram	
type	restriction of **xs:date**
properties	content simple nillable false

used by	element **Qualification**
facets	pattern [12][90][0-9]{2}-[01][0-9]-[0123][0-9]
source	<xs:element name="CertEndDate" nillable="false"> <xs:simpleType> <xs:restriction base="xs:date"> <xs:pattern value="[12][90][0-9]{2}-[01][0-9]-[0123][0-9]"/> </xs:restriction> </xs:simpleType> </xs:element>

Element: **DateTime**

diagram	DateTime
type	**xs:dateTime**
properties	content simple nillable false
used by	element **Header**
source	<xs:element name="DateTime" type="xs:dateTime" nillable="false"/>

element: **DiscCode**

diagram	DiscCode
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **Qualification**
facets	minLength 2 maxLength 4 whiteSpace collapse pattern ([0-9]{4})|([A-Z]{2}[0-9A-Za-z]{0,2})
source	<xs:element name="DiscCode" nillable="false"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="2"/> <xs:maxLength value="4"/> <xs:whiteSpace value="collapse"/> <xs:pattern value="([0-9]{4})|([A-Z]{2}[0-9A-Za-z]{0,2})"/> </xs:restriction> </xs:simpleType> </xs:element>

element: **EffectiveFrom**

diagram	EffectiveFrom
type	**xs:date**
properties	content simple nillable false
used by	element **Qualification**
source	<xs:element name="EffectiveFrom" type="xs:date" nillable="false"/>

element: **EffectiveTo**

diagram	EffectiveTo
type	**xs:date**
properties	content simple nillable false

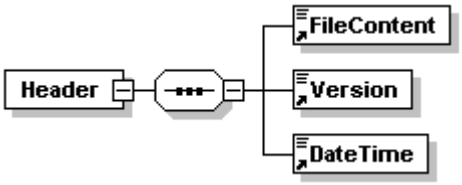
used by	element **Qualification**
source	`<xs:element name="EffectiveTo" type="xs:date" nillable="false"/>`

element: **FileContent**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **Header**
facets	minLength 1 maxLength 255 whiteSpace preserve

source	`<xs:element name="FileContent" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:whiteSpace value="preserve"/>`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="255"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element: **Header**

diagram	
properties	content complex
children	**FileContent** **Version** **DateTime**
used by	element **Message**

source	`<xs:element name="Header">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="FileContent"/>`
	`  <xs:element ref="Version"/>`
	`  <xs:element ref="DateTime"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element: **LastUpdated**

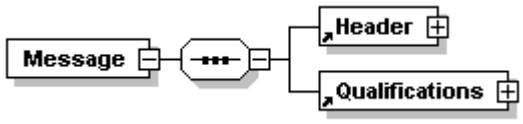
diagram	
type	**xs:date**
properties	content simple nillable false
used by	element **Qualification**
source	`<xs:element name="LastUpdated" type="xs:date" nillable="false"/>`

element: **Map**

diagram	
type	restriction of **xs:string**

properties	content simple nillable false
used by	element **Qualification**
facets	length 4 whiteSpace collapse enumeration LDCS enumeration LEAP enumeration ldcs
source	<xs:element name="Map" nillable="false"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="4"/> <xs:whiteSpace value="collapse"/> <xs:enumeration value="LDCS"/> <xs:enumeration value="LEAP"/> <xs:enumeration value="ldcs"/> </xs:restriction> </xs:simpleType> </xs:element>

element: **Message**

diagram	
properties	content complex
children	**Header** **Qualifications**
source	<xs:element name="Message"> <xs:complexType> <xs:sequence> <xs:element ref="Header"/> <xs:element ref="Qualifications"/> </xs:sequence> </xs:complexType> </xs:element>

element: **NQF**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **Qualification**
facets	minLength 1 maxLength 8 whiteSpace collapse pattern (E[123]?|[0-9])(;E?[0-9])*
source	<xs:element name="NQF" nillable="false"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="8"/> <xs:whiteSpace value="collapse"/> <xs:pattern value="(E[123]?|[0-9])(;E?[0-9])*"/> </xs:restriction> </xs:simpleType> </xs:element>

element: **QAN**

diagram	
type	restriction of **xs:string**
properties	content simple

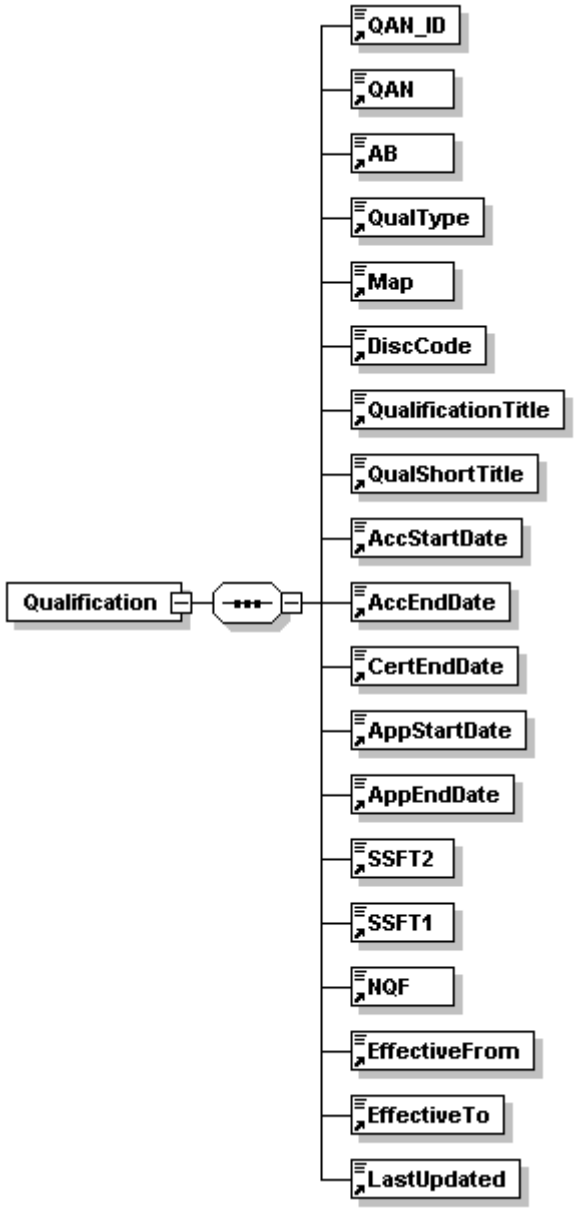
	nillable false
used by	element **Qualification**
facets	length 8 whiteSpace collapse pattern [0-9A-Z#]([0-9]{6})[0-9A-Za-z]

source	`<xs:element name="QAN" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:whiteSpace value="collapse"/>`
	`  <xs:length value="8"/>`
	`  <xs:pattern value="[0-9A-Z#]([0-9]{6})[0-9A-Za-z]"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element: **QAN_ID**

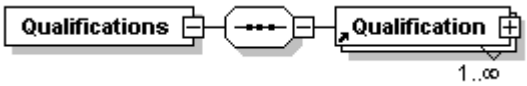
diagram	
type	**xs:integer**
properties	content simple nillable false
used by	element **Qualification**
source	`<xs:element name="QAN_ID" type="xs:integer" nillable="false"/>`

element: **Qualification**

diagram	
properties	content complex
children	QAN_ID QAN AB QualType Map DiscCode QualificationTitle QualShortTitle AccStartDate AccEndDate CertEndDate AppStartDate AppEndDate SSFT2 SSFT1 NQF EffectiveFrom EffectiveTo LastUpdated
used by	element **Qualifications**
source	<xs:element name="Qualification"> <xs:complexType> <xs:sequence> <xs:element ref="QAN_ID"/> <xs:element ref="QAN"/> <xs:element ref="AB"/> <xs:element ref="QualType"/> <xs:element ref="Map"/> <xs:element ref="DiscCode"/> <xs:element ref="QualificationTitle"/> <xs:element ref="QualShortTitle"/> <xs:element ref="AccStartDate"/> <xs:element ref="AccEndDate"/> <xs:element ref="CertEndDate"/> <xs:element ref="AppStartDate"/> <xs:element ref="AppEndDate"/> <xs:element ref="SSFT2"/>

```
      <xs:element ref="SSFT1"/>
      <xs:element ref="NQF"/>
      <xs:element ref="EffectiveFrom"/>
      <xs:element ref="EffectiveTo"/>
      <xs:element ref="LastUpdated"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element: **Qualifications**

diagram	
properties	content complex
children	**Qualification**
used by	element **Message**

source	`<xs:element name="Qualifications">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Qualification" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element: **QualificationTitle**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **Qualification**
facets	minLength 1 maxLength 165 whiteSpace preserve

source	`<xs:element name="QualificationTitle" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="165"/>`
	`  <xs:whiteSpace value="preserve"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element: **QualShortTitle**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **Qualification**
facets	minLength 1 maxLength 55 whiteSpace preserve

source	`<xs:element name="QualShortTitle" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="55"/>`
	`  <xs:whiteSpace value="preserve"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element: **QualType**

diagram	QualType
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **Qualification**
facets	minLength 1 maxLength 3 whiteSpace collapse pattern [A-Z0-9]{1,3}
source	<xs:element name="QualType" nillable="false"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="3"/> <xs:whiteSpace value="collapse"/> <xs:pattern value="[A-Z0-9]{1,3}"/> </xs:restriction> </xs:simpleType> </xs:element>

element: **SSFT1**

diagram	SSFT1
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **Qualification**
facets	minLength 1 maxLength 2 whiteSpace collapse pattern [0-9]{1,2} enumeration 1 enumeration 2 enumeration 3 enumeration 4 enumeration 5 enumeration 6 enumeration 7 enumeration 8 enumeration 9 enumeration 10 enumeration 11 enumeration 12 enumeration 13 enumeration 14 enumeration 15 enumeration 0
source	<xs:element name="SSFT1" nillable="false"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="2"/> <xs:whiteSpace value="collapse"/> <xs:pattern value="[0-9]{1,2}"/> <xs:enumeration value="1"/> <xs:enumeration value="2"/> <xs:enumeration value="3"/> <xs:enumeration value="4"/> <xs:enumeration value="5"/> <xs:enumeration value="6"/> <xs:enumeration value="7"/> <xs:enumeration value="8"/> <xs:enumeration value="9"/> <xs:enumeration value="10"/> <xs:enumeration value="11"/> <xs:enumeration value="12"/>

```
        <xs:enumeration value="13"/>
        <xs:enumeration value="14"/>
        <xs:enumeration value="15"/>
        <xs:enumeration value="0"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
```

element: **SSFT2**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **Qualification**
facets	minLength 3 maxLength 4 whiteSpace collapse pattern [0-9]{1,2}\.[0-9]{1,2}

source

```
<xs:element name="SSFT2" nillable="false">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="3"/>
      <xs:maxLength value="4"/>
      <xs:whiteSpace value="collapse"/>
      <xs:pattern value="[0-9]{1,2}\.[0-9]{1,2}"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element: **Version**

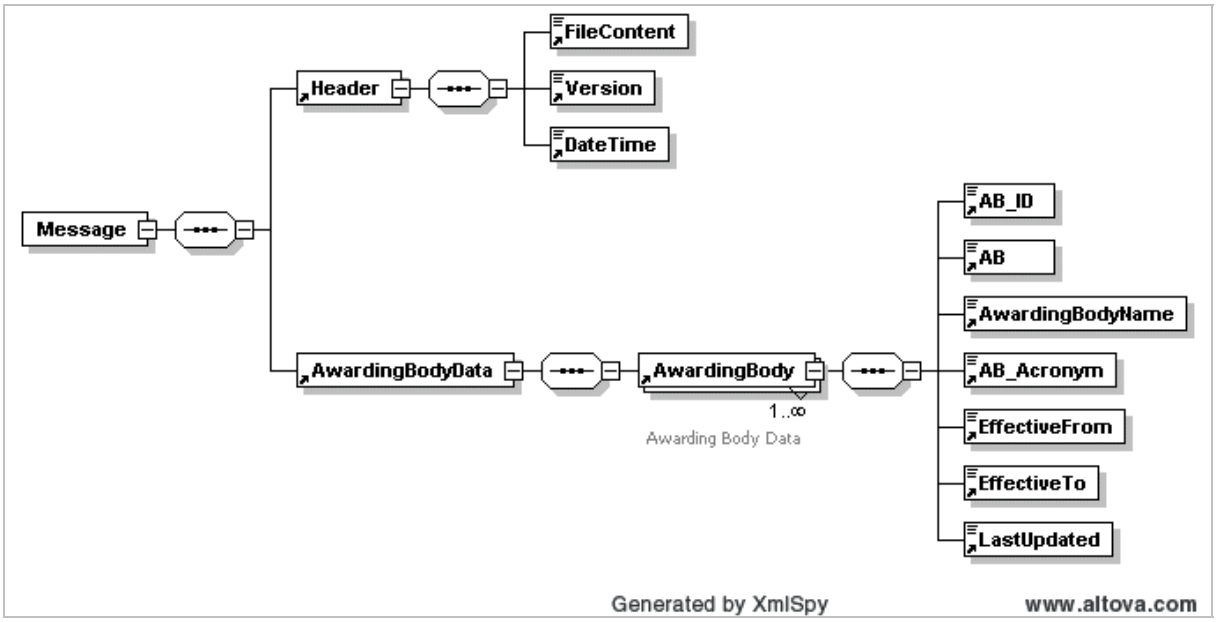
diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **Header**
facets	pattern [0-9]{1,2}\.[0-9][0-9a-z]{0,2}

source

```
<xs:element name="Version" nillable="false">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:pattern value="[0-9]{1,2}\.[0-9][0-9a-z]{0,2}"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

4.2 QAN_AB_V1.0.xsd

Figure 2: QAN_AB_V1.0 - Message Structure



Elements
AB
AB_Acronym
AB_ID
AwardingBody
AwardingBodyData
AwardingBodyName
DateTime
EffectiveFrom
EffectiveTo
FileContent
Header
LastUpdated
Message
Version

element: **AB**

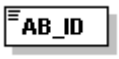
diagram	**AB**
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **AwardingBody**
facets	length 3 whiteSpace collapse pattern [0-9Z][0-9]{2}

source	`<xs:element name="AB" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:length value="3"/>`
	`  <xs:whiteSpace value="collapse"/>`
	`  <xs:pattern value="[0-9Z][0-9]{2}"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

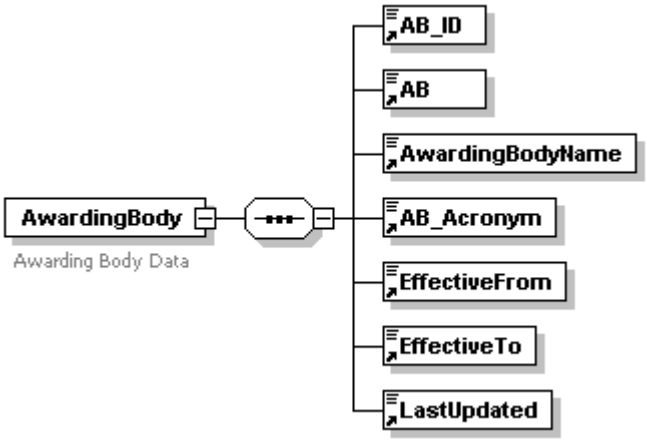
element: **AB_Acronym**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **AwardingBody**
facets	minLength 1 maxLength 20
source	<xs:element name="AB_Acronym" nillable="false"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="20"/> </xs:restriction> </xs:simpleType> </xs:element>

element: **AB_ID**

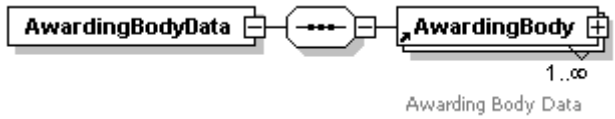
diagram	
type	**xs:integer**
properties	content simple nillable false
used by	element **AwardingBody**
source	<xs:element name="AB_ID" type="xs:integer" nillable="false"/>

element: **AwardingBody**

diagram	
properties	content complex
children	**AB_ID** **AB** **AwardingBodyName** **AB_Acronym** **EffectiveFrom** **EffectiveTo** **LastUpdated**
used by	element **AwardingBodyData**
annotation	documentation Awarding Body Data
source	<xs:element name="AwardingBody"> <xs:annotation> <xs:documentation>Awarding Body Data</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="AB_ID"/> <xs:element ref="AB"/> <xs:element ref="AwardingBodyName"/> <xs:element ref="AB_Acronym"/> <xs:element ref="EffectiveFrom"/>

```
      <xs:element ref="EffectiveTo"/>
      <xs:element ref="LastUpdated"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element: **AwardingBodyData**

diagram	
properties	content complex
children	**AwardingBody**
used by	element **Message**

source	`<xs:element name="AwardingBodyData">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="AwardingBody" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element: **AwardingBodyName**

diagram	**AwardingBodyName**
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **AwardingBody**
facets	minLength 1 maxLength 130 whiteSpace preserve

source	`<xs:element name="AwardingBodyName" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:whiteSpace value="preserve"/>`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="130"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element: **DateTime**

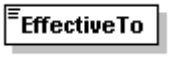
diagram	**DateTime**
type	**xs:dateTime**
properties	content simple nillable false
used by	element **Header**
source	`<xs:element name="DateTime" type="xs:dateTime" nillable="false"/>`

element: **EffectiveFrom**

diagram	**EffectiveFrom**
type	**xs:date**
properties	content simple nillable false

used by	element **AwardingBody**
source	`<xs:element name="EffectiveFrom" type="xs:date" nillable="false"/>`

element: **EffectiveTo**

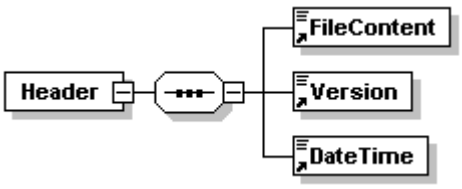
diagram	
type	**xs:date**
properties	content simple nillable false
used by	element **AwardingBody**
source	`<xs:element name="EffectiveTo" type="xs:date" nillable="false"/>`

element: **FileContent**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **Header**
facets	minLength 1 maxLength 255 whiteSpace preserve

source	`<xs:element name="FileContent" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:whiteSpace value="preserve"/>`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="255"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element: **Header**

diagram	
properties	content complex
children	**FileContent** **Version** **DateTime**
used by	element **Message**

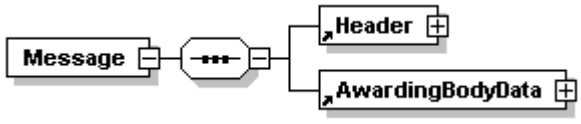
source	`<xs:element name="Header">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="FileContent"/>`
	`  <xs:element ref="Version"/>`
	`  <xs:element ref="DateTime"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element: **LastUpdated**

diagram	
type	**xs:date**

properties	content simple nillable false
used by	element **AwardingBody**
source	`<xs:element name="LastUpdated" type="xs:date" nillable="false"/>`

element: **Message**

diagram	
properties	content complex
children	**Header** **AwardingBodyData**

source	`<xs:element name="Message">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Header"/>`
	`  <xs:element ref="AwardingBodyData"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

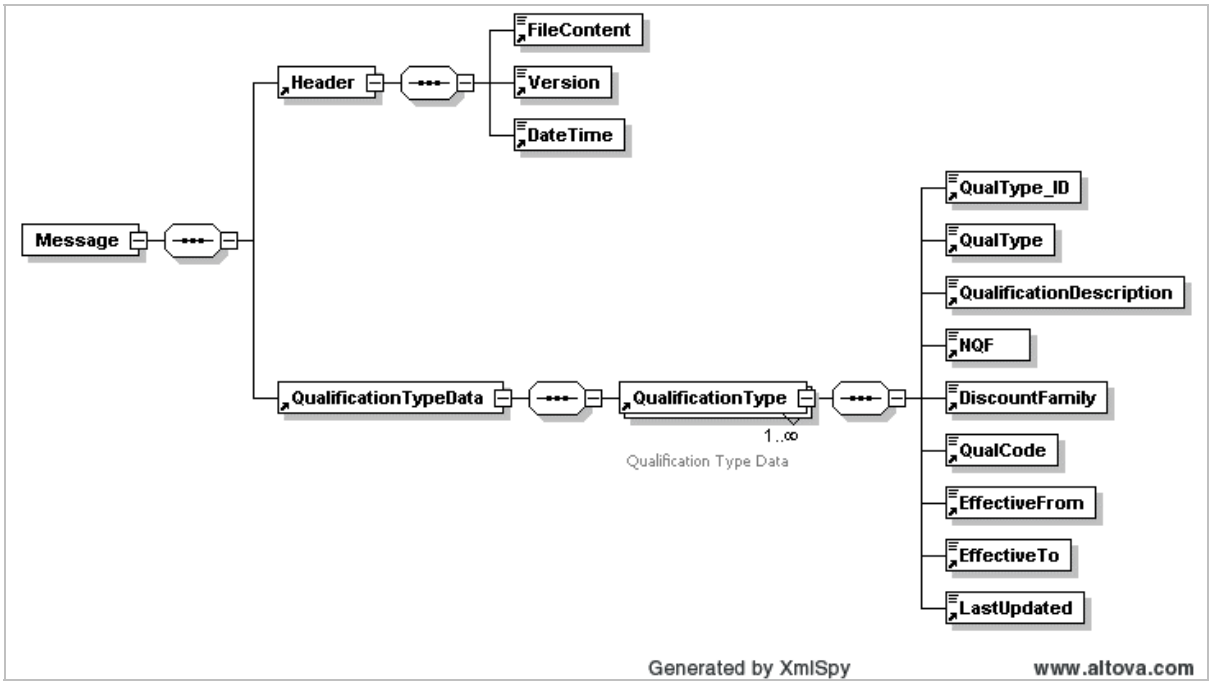
element: Version

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **Header**
facets	pattern [0-9]{1,2}\.[0-9][0-9a-z]{0,2}

source	`<xs:element name="Version" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:pattern value="[0-9]{1,2}\.[0-9][0-9a-z]{0,2}"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

4.3 QAN_QualType_V1.0.xsd

Figure 3: QAN_QualType_V1.0 - Message Structure



Elements
DateTime
DiscountFamily
EffectiveFrom
EffectiveTo
FileContent
Header
LastUpdated
Message
NQF
QualCode
QualificationDescription
QualificationType
QualificationTypeData
QualType
QualType_ID
Version

element: **DateTime**

diagram	DateTime
type	**xs:dateTime**
properties	content simple nillable false
used by	element **Header**
source	`<xs:element name="DateTime" type="xs:dateTime" nillable="false"/>`

element: **DiscountFamily**

diagram	DiscountFamily
type	restriction of **xs:string**
properties	content simple

	nillable false
used by	element **QualificationType**
facets	minLength 2 maxLength 3 enumeration AEA enumeration BAS enumeration FSM enumeration GEN enumeration GRA enumeration GVO enumeration HLQ enumeration KEY enumeration KS1 enumeration KS2 enumeration KS3 enumeration LAN enumeration NRI enumeration NVQ enumeration OG enumeration OQ enumeration UNK enumeration VRQ enumeration XXX
source	<xs:element name="DiscountFamily" nillable="false"> <xs:simpleType> <xs:annotation> <xs:documentation> "DiscountFamily","Description" "AEA","Advanced Extension" "BAS","Basic Skills" "FSM","Free-standing Mathematics" "GEN","General" "GRA","Graded Examination" "GVO","General Vocational" "HLQ","Higher Level" "KEY","Key Skills" "KS1","Key Stage 1" "KS2","Key Stage 2" "KS3","Key Stage 3" "LAN","Language Unit" "NRI","No recorded information" "NVQ","National Vocational" "OG","Other General" "OQ","Other" "UNK","National Curriculum" "VRQ","Vocational-related" "XXX","Unknown" </xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:minLength value="2"/> <xs:maxLength value="3"/> <xs:enumeration value="AEA"/> <xs:enumeration value="BAS"/> <xs:enumeration value="FSM"/> <xs:enumeration value="GEN"/> <xs:enumeration value="GRA"/> <xs:enumeration value="GVO"/> <xs:enumeration value="HLQ"/> <xs:enumeration value="KEY"/> <xs:enumeration value="KS1"/> <xs:enumeration value="KS2"/> <xs:enumeration value="KS3"/> <xs:enumeration value="LAN"/> <xs:enumeration value="NRI"/> <xs:enumeration value="NVQ"/> <xs:enumeration value="OG"/> <xs:enumeration value="OQ"/> <xs:enumeration value="UNK"/> <xs:enumeration value="VRQ"/> <xs:enumeration value="XXX"/> </xs:restriction> </xs:simpleType> </xs:element>

element: **EffectiveFrom**

diagram	
type	**xs:date**
properties	content simple nillable false
used by	element **QualificationType**
source	`<xs:element name="EffectiveFrom" type="xs:date" nillable="false"/>`

element: **EffectiveTo**

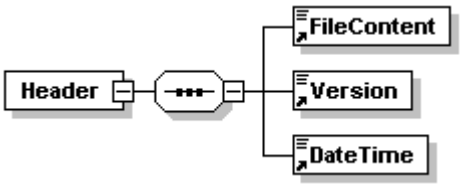
diagram	
type	**xs:date**
properties	content simple nillable false
used by	element **QualificationType**
source	`<xs:element name="EffectiveTo" type="xs:date" nillable="false"/>`

element: **FileContent**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **Header**
facets	minLength 1 maxLength 255 whiteSpace preserve

source	`<xs:element name="FileContent" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:whiteSpace value="preserve"/>`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="255"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element: **Header**

diagram	
properties	content complex
children	**FileContent** **Version** **DateTime**
used by	element **Message**

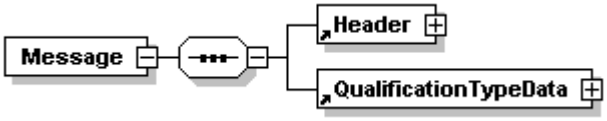
source	`<xs:element name="Header">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="FileContent"/>`
	`  <xs:element ref="Version"/>`
	`  <xs:element ref="DateTime"/>`
	`  </xs:sequence>`

```
  </xs:complexType>
</xs:element>
```

element: **LastUpdated**

diagram	
type	**xs:date**
properties	content simple nillable false
used by	element **QualificationType**
source	`<xs:element name="LastUpdated" type="xs:date" nillable="false"/>`

element: **Message**

diagram	
properties	content complex
children	**Header** **QualificationTypeData**

source	`<xs:element name="Message">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Header"/>`
	`  <xs:element ref="QualificationTypeData"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element: **NQF**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **QualificationType**
facets	minLength 1 maxLength 8 whiteSpace collapse pattern (E[123]?|[0-9])(;E?[0-9])*

source	`<xs:element name="NQF" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="8"/>`
	`  <xs:whiteSpace value="collapse"/>`
	`  <xs:pattern value="(E[123]?|[0-9])(;E?[0-9])*"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element: **QualCode**

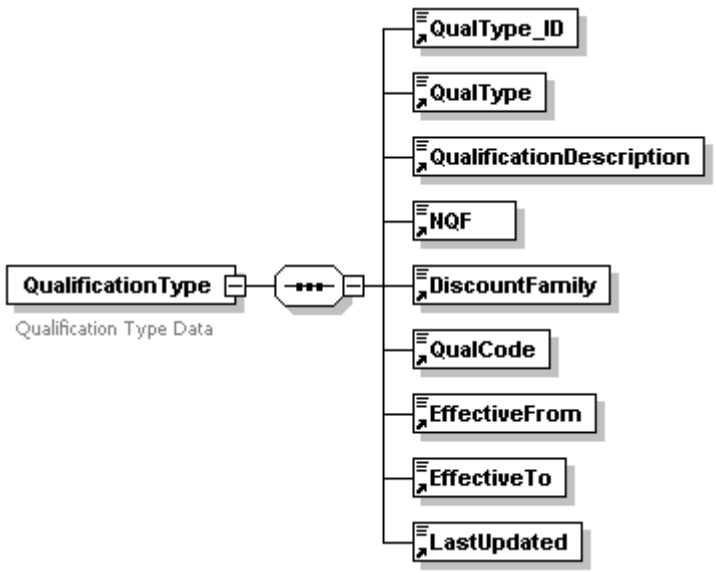
diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **QualificationType**
facets	minLength 1 maxLength 3

	maxLength 3 whiteSpace collapse pattern [0-9]{1,3}
source	<xs:element name="QualCode" nillable="false"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="3"/> <xs:whiteSpace value="collapse"/> <xs:pattern value="[0-9]{1,3}"/> </xs:restriction> </xs:simpleType> </xs:element>

element: **QualificationDescription**

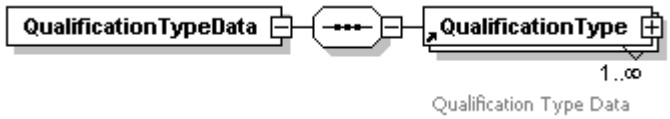
diagram	QualificationDescription
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **QualificationType**
facets	minLength 1 maxLength 75 whiteSpace preserve
source	<xs:element name="QualificationDescription" nillable="false"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:whiteSpace value="preserve"/> <xs:minLength value="1"/> <xs:maxLength value="75"/> </xs:restriction> </xs:simpleType> </xs:element>

element: **QualificationType**

diagram	
properties	content complex
children	**QualType_ID** **QualType** **QualificationDescription** **NQF** **DiscountFamily** **QualCode** **EffectiveFrom** **EffectiveTo** **LastUpdated**
used by	element **QualificationTypeData**
annotation	documentation Qualification Type Data
source	<xs:element name="QualificationType"> <xs:annotation> <xs:documentation>Qualification Type Data</xs:documentation>

```
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="QualType_ID"/>
      <xs:element ref="QualType"/>
      <xs:element ref="QualificationDescription"/>
      <xs:element ref="NQF"/>
      <xs:element ref="DiscountFamily"/>
      <xs:element ref="QualCode"/>
      <xs:element ref="EffectiveFrom"/>
      <xs:element ref="EffectiveTo"/>
      <xs:element ref="LastUpdated"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element: **QualificationTypeData**

diagram	
properties	content complex
children	**QualificationType**
used by	element **Message**

source	`<xs:element name="QualificationTypeData">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="QualificationType" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element: **QualType**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **QualificationType**
facets	minLength 1 maxLength 3 whiteSpace collapse pattern [0-9A-Z]{1,3}

source	`<xs:element name="QualType" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="3"/>`
	`  <xs:whiteSpace value="collapse"/>`
	`  <xs:pattern value="[0-9A-Z]{1,3}"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element: **QualType_ID**

diagram	
type	**xs:integer**
properties	content simple nillable false
used by	element **QualificationType**
source	`<xs:element name="QualType_ID" type="xs:integer" nillable="false"/>`

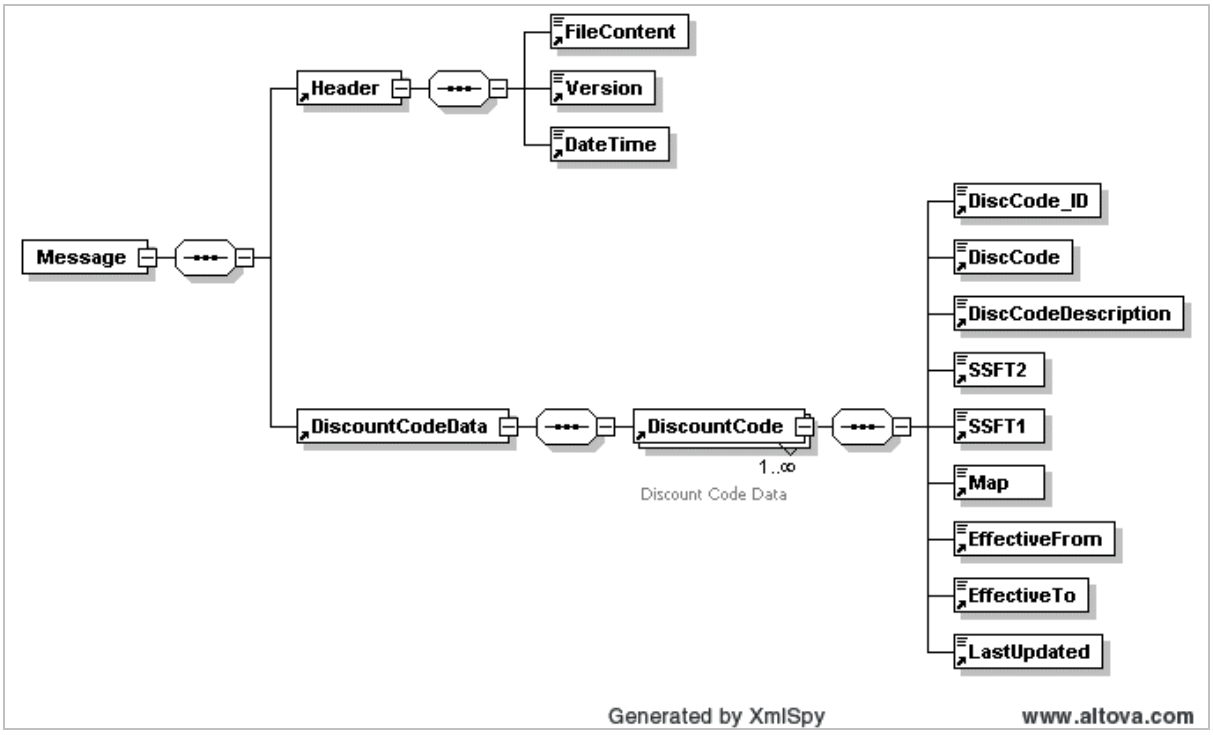
element: **Version**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **Header**
facets	pattern [0-9]{1,2}\.[0-9][0-9a-z]{0,2}

source	`<xs:element name="Version" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:pattern value="[0-9]{1,2}\.[0-9][0-9a-z]{0,2}"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

4.4 QAN_DiscCode_V1.1.xsd

Figure 4: QAN_DiscCode_V1.1 - Message Structure



Elements
DateTime
DiscCode
DiscCode_ID
DiscCodeDescription
DiscountCode
DiscountCodeData
EffectiveFrom
EffectiveTo
FileContent
Header
LastUpdated
Map
Message
SSFT1
SSFT2
Version

element: **DateTime**

diagram	DateTime
type	**xs:dateTime**
properties	content simple nillable false
used by	element **Header**
source	`<xs:element name="DateTime" type="xs:dateTime" nillable="false"/>`

element: **DiscCode**

diagram	DiscCode

type	restriction of **xs:string**
properties	content simple nillable false
used by	element **DiscountCode**
facets	minLength 2 maxLength 4 whiteSpace collapse pattern ([0-9]{4})|([A-Z]{2}[0-9A-Za-z]{0,2})
source	<xs:element name="DiscCode" nillable="false"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="2"/> <xs:maxLength value="4"/> <xs:whiteSpace value="collapse"/> <xs:pattern value="([0-9]{4})|([A-Z]{2}[0-9A-Za-z]{0,2})"/> </xs:restriction> </xs:simpleType> </xs:element>

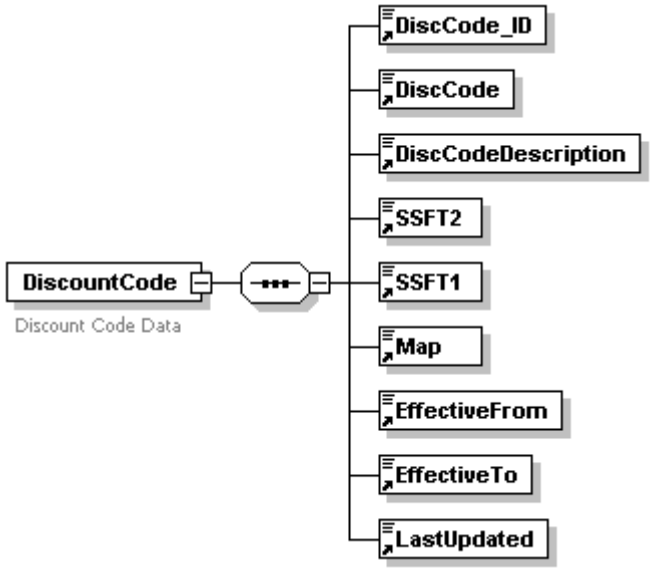
element: **DiscCode_ID**

diagram	
type	**xs:integer**
properties	content simple nillable false
used by	element **DiscountCode**
source	<xs:element name="DiscCode_ID" type="xs:integer" nillable="false"/>

element: **DiscCodeDescription**

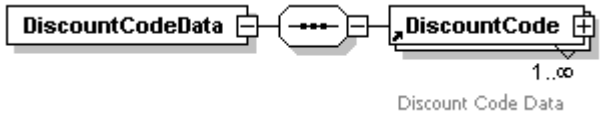
diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **DiscountCode**
facets	minLength 1 maxLength 60 whiteSpace preserve
source	<xs:element name="DiscCodeDescription" nillable="false"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:whiteSpace value="preserve"/> <xs:minLength value="1"/> <xs:maxLength value="60"/> </xs:restriction> </xs:simpleType> </xs:element>

element: **DiscountCode**

diagram	
properties	content complex
children	**DiscCode_ID** **DiscCode** **DiscCodeDescription** **SSFT2** **SSFT1** **Map** **EffectiveFrom** **EffectiveTo** **LastUpdated**
used by	element **DiscountCodeData**
annotation	documentation Discount Code Data

source	<pre><xs:element name="DiscountCode">
	  <xs:annotation>
	  <xs:documentation>Discount Code Data</xs:documentation>
	  </xs:annotation>
	  <xs:complexType>
	  <xs:sequence>
	  <xs:element ref="DiscCode_ID"/>
	  <xs:element ref="DiscCode"/>
	  <xs:element ref="DiscCodeDescription"/>
	  <xs:element ref="SSFT2"/>
	  <xs:element ref="SSFT1"/>
	  <xs:element ref="Map"/>
	  <xs:element ref="EffectiveFrom"/>
	  <xs:element ref="EffectiveTo"/>
	  <xs:element ref="LastUpdated"/>
	  </xs:sequence>
	  </xs:complexType>
	</xs:element></pre>

element: **DiscountCodeData**

diagram	
properties	content complex
children	**DiscountCode**
used by	element **Message**

source	<pre><xs:element name="DiscountCodeData">
	  <xs:complexType>
	  <xs:sequence>
	  <xs:element ref="DiscountCode" maxOccurs="unbounded"/>
	  </xs:sequence>
	  </xs:complexType>
	</xs:element></pre>

element: **EffectiveFrom**

diagram	
type	**xs:date**
properties	content simple nillable false
used by	element **DiscountCode**
source	`<xs:element name="EffectiveFrom" type="xs:date" nillable="false"/>`

element: **EffectiveTo**

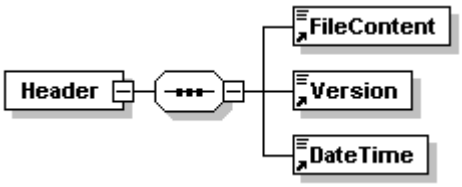
diagram	
type	**xs:date**
properties	content simple nillable false
used by	element **DiscountCode**
source	`<xs:element name="EffectiveTo" type="xs:date" nillable="false"/>`

element: **FileContent**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **Header**
facets	minLength 1 maxLength 255 whiteSpace preserve

source	`<xs:element name="FileContent" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:whiteSpace value="preserve"/>`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="255"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element: **Header**

diagram	
properties	content complex
children	**FileContent** **Version** **DateTime**
used by	element **Message**

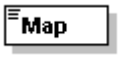
source	`<xs:element name="Header">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="FileContent"/>`
	`  <xs:element ref="Version"/>`
	`  <xs:element ref="DateTime"/>`
	`  </xs:sequence>`

```
  </xs:complexType>
</xs:element>
```

element: **LastUpdated**

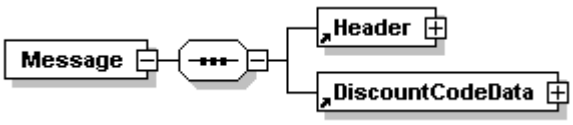
diagram	
type	**xs:date**
properties	content simple nillable false
used by	element **DiscountCode**
source	`<xs:element name="LastUpdated" type="xs:date" nillable="false"/>`

element: **Map**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **DiscountCode**
facets	length 4 whiteSpace collapse enumeration LDCS enumeration LEAP enumeration ldcs
source	

```
<xs:element name="Map" nillable="false">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:length value="4"/>
      <xs:whiteSpace value="collapse"/>
      <xs:enumeration value="LDCS"/>
      <xs:enumeration value="LEAP"/>
      <xs:enumeration value="ldcs"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element: **Message**

diagram	
properties	content complex
children	**Header** **DiscountCodeData**
source	

```
<xs:element name="Message">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Header"/>
      <xs:element ref="DiscountCodeData"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element: **SSFT1**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false

used by	element **DiscountCode**
facets	minLength 1 maxLength 2 whiteSpace collapse pattern [0-9]{1,2} enumeration 1 enumeration 2 enumeration 3 enumeration 4 enumeration 5 enumeration 6 enumeration 7 enumeration 8 enumeration 9 enumeration 10 enumeration 11 enumeration 12 enumeration 13 enumeration 14 enumeration 15 enumeration 0
source	<xs:element name="SSFT1" nillable="false"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="2"/> <xs:whiteSpace value="collapse"/> <xs:pattern value="[0-9]{1,2}"/> <xs:enumeration value="1"/> <xs:enumeration value="2"/> <xs:enumeration value="3"/> <xs:enumeration value="4"/> <xs:enumeration value="5"/> <xs:enumeration value="6"/> <xs:enumeration value="7"/> <xs:enumeration value="8"/> <xs:enumeration value="9"/> <xs:enumeration value="10"/> <xs:enumeration value="11"/> <xs:enumeration value="12"/> <xs:enumeration value="13"/> <xs:enumeration value="14"/> <xs:enumeration value="15"/> <xs:enumeration value="0"/> </xs:restriction> </xs:simpleType> </xs:element>

element: **SSFT2**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **DiscountCode**
facets	minLength 3 maxLength 4 whiteSpace collapse pattern [0-9]{1,2}\.[0-9]{1,2}
source	<xs:element name="SSFT2" nillable="false"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="3"/> <xs:maxLength value="4"/> <xs:whiteSpace value="collapse"/> <xs:pattern value="[0-9]{1,2}\.[0-9]{1,2}"/> </xs:restriction> </xs:simpleType> </xs:element>

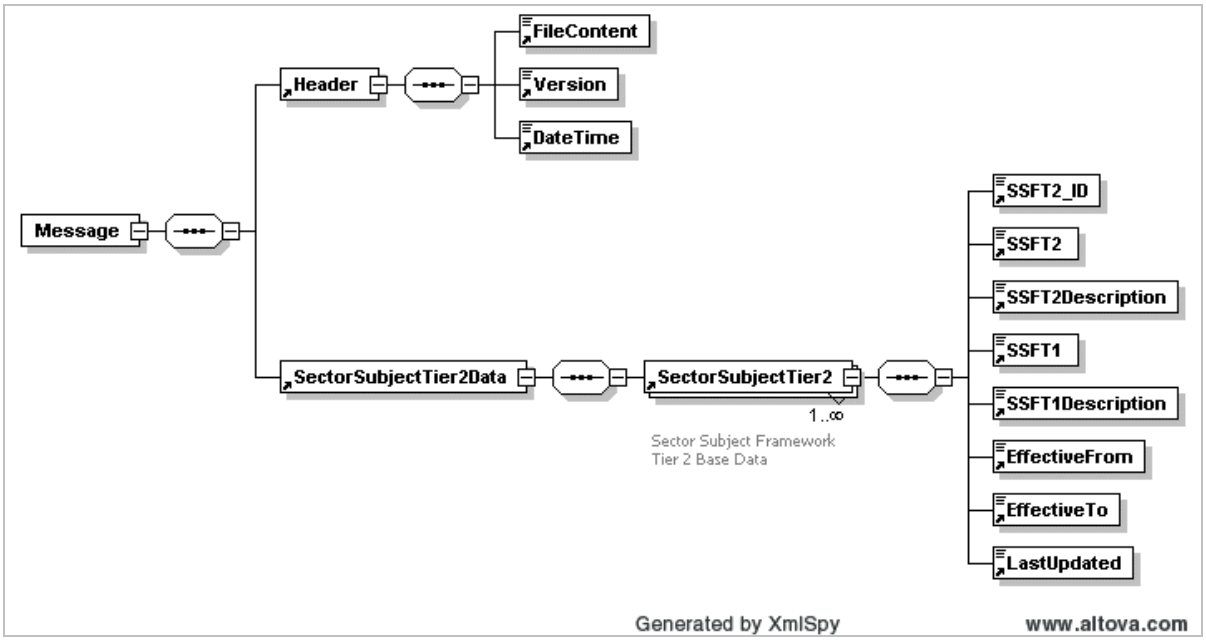
element: **Version**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **Header**
facets	pattern [0-9]{1,2}\.[0-9][0-9a-z]{0,2}

source	`<xs:element name="Version" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:pattern value="[0-9]{1,2}\.[0-9][0-9a-z]{0,2}"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

4.5 QAN_SSFT2_V1.1.xsd

Figure 5: QAN_SSFT2_V1.1 - Message Structure



Elements
DateTime
EffectiveFrom
EffectiveTo
FileContent
Header
LastUpdated
Message
SectorSubjectTier2
SectorSubjectTier2Data
SSFT1
SSFT1Description
SSFT2
SSFT2_ID
SSFT2Description
Version

element: **DateTime**

diagram	DateTime
type	**xs:dateTime**
properties	content simple nillable false
used by	element **Header**
source	`<xs:element name="DateTime" type="xs:dateTime" nillable="false"/>`

element: **EffectiveFrom**

diagram	EffectiveFrom
type	**xs:date**
properties	content simple nillable false
used by	element **SectorSubjectTier2**

source	`<xs:element name="EffectiveFrom" type="xs:date" nillable="false"/>`

element: **EffectiveTo**

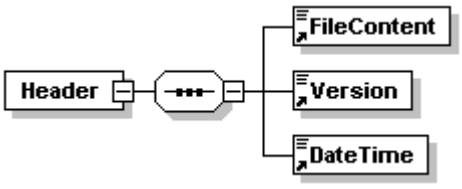
diagram	
type	**xs:date**
properties	content simple nillable false
used by	element **SectorSubjectTier2**
source	`<xs:element name="EffectiveTo" type="xs:date" nillable="false"/>`

element: **FileContent**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **Header**
facets	minLength 1 maxLength 255 whiteSpace preserve

source	`<xs:element name="FileContent" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:whiteSpace value="preserve"/>`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="255"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element: **Header**

diagram	
properties	content complex
children	**FileContent** **Version** **DateTime**
used by	element **Message**

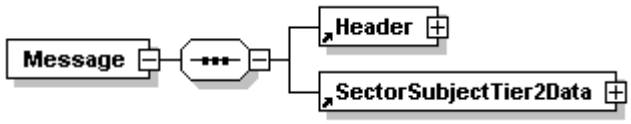
source	`<xs:element name="Header">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="FileContent"/>`
	`  <xs:element ref="Version"/>`
	`  <xs:element ref="DateTime"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element: **LastUpdated**

diagram	
type	**xs:date**
properties	content simple nillable false

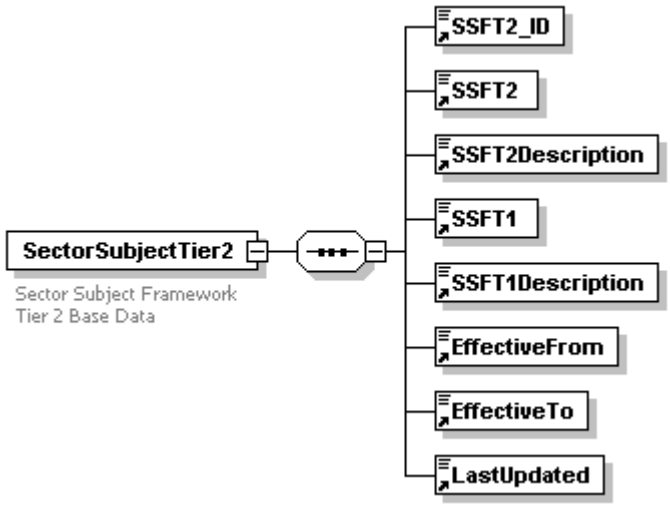
used by	element **SectorSubjectTier2**
source	`<xs:element name="LastUpdated" type="xs:date" nillable="false"/>`

element: **Message**

diagram	
properties	content complex
children	**Header** **SectorSubjectTier2Data**

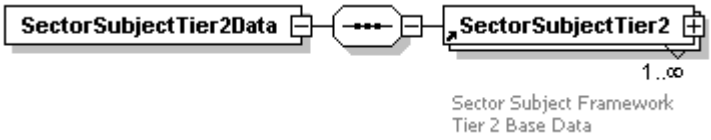
source	`<xs:element name="Message">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Header"/>`
	`  <xs:element ref="SectorSubjectTier2Data"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element: **SectorSubjectTier2**

diagram	
properties	content complex
children	**SSFT2_ID** **SSFT2** **SSFT2Description** **SSFT1** **SSFT1Description** **EffectiveFrom** **EffectiveTo** **LastUpdated**
used by	element **SectorSubjectTier2Data**
annotation	documentation Sector Subject Framework Tier 2 Base Data

source	`<xs:element name="SectorSubjectTier2">`
	`  <xs:annotation>`
	`  <xs:documentation>Sector Subject Framework Tier 2 Base Data</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="SSFT2_ID"/>`
	`  <xs:element ref="SSFT2"/>`
	`  <xs:element ref="SSFT2Description"/>`
	`  <xs:element ref="SSFT1"/>`
	`  <xs:element ref="SSFT1Description"/>`
	`  <xs:element ref="EffectiveFrom"/>`
	`  <xs:element ref="EffectiveTo"/>`
	`  <xs:element ref="LastUpdated"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element: **SectorSubjectTier2Data**

diagram	
properties	content complex
children	**SectorSubjectTier2**
used by	element **Message**
source	<xs:element name="SectorSubjectTier2Data"> <xs:complexType> <xs:sequence> <xs:element ref="SectorSubjectTier2" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element>

element: **SSFT1**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **SectorSubjectTier2**
facets	minLength 1 maxLength 2 whiteSpace collapse pattern [0-9]{1,2} enumeration 1 enumeration 2 enumeration 3 enumeration 4 enumeration 5 enumeration 6 enumeration 7 enumeration 8 enumeration 9 enumeration 10 enumeration 11 enumeration 12 enumeration 13 enumeration 14 enumeration 15 enumeration 0
source	<xs:element name="SSFT1" nillable="false"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="2"/> <xs:whiteSpace value="collapse"/> <xs:pattern value="[0-9]{1,2}"/> <xs:enumeration value="1"/> <xs:enumeration value="2"/> <xs:enumeration value="3"/> <xs:enumeration value="4"/> <xs:enumeration value="5"/> <xs:enumeration value="6"/> <xs:enumeration value="7"/> <xs:enumeration value="8"/> <xs:enumeration value="9"/> <xs:enumeration value="10"/> <xs:enumeration value="11"/> <xs:enumeration value="12"/> <xs:enumeration value="13"/> <xs:enumeration value="14"/> <xs:enumeration value="15"/> <xs:enumeration value="0"/>

```
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element: **SSFT1Description**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **SectorSubjectTier2**
facets	minLength 1 maxLength 50 whiteSpace preserve enumeration Health, Public Services and Care enumeration Science and Mathematics enumeration Agriculture, Horticulture and Animal Care enumeration Engineering and Manufacturing Technologies enumeration Construction, Planning and the Built Environment enumeration Information and Communication Technology enumeration Retail and Commercial Enterprise enumeration Leisure, Travel and Tourism enumeration Arts, Media and Publishing enumeration History, Philosophy and Theology enumeration Social Sciences enumeration Languages, Literature and Culture enumeration Education and Training enumeration Preparation for Life and Work enumeration Business, Administration and Law enumeration Unknown

source

```
<xs:element name="SSFT1Description" nillable="false">
  <xs:simpleType>
    <xs:annotation>
         <xs:documentation>
               "SSFT1","SST1Description"
               "1","Health, Public Services and Care"
               "2","Science and Mathematics"
               "3","Agriculture, Horticulture and Animal Care"
               "4","Engineering and Manufacturing Technologies"
               "5","Construction, Planning and the Built Environment"
               "6","Information and Communication Technology"
               "7","Retail and Commercial Enterprise"
               "8","Leisure, Travel and Tourism"
               "9","Arts, Media and Publishing"
               "10","History, Philosophy and Theology"
               "11","Social Sciences"
               "12","Languages, Literature and Culture"
               "13","Education and Training"
               "14","Preparation for Life and Work"
               "15","Business, Administration and Law"
               "0","Unknown"
        </xs:documentation>
    </xs:annotation>
    <xs:restriction base="xs:string">
      <xs:whiteSpace value="preserve"/>
      <xs:minLength value="1"/>
      <xs:maxLength value="50"/>
      <xs:enumeration value="Health, Public Services and Care"/>
      <xs:enumeration value="Science and Mathematics"/>
      <xs:enumeration value="Agriculture, Horticulture and Animal Care"/>
      <xs:enumeration value="Engineering and Manufacturing Technologies"/>
      <xs:enumeration value="Construction, Planning and the Built Environment"/>
      <xs:enumeration value="Information and Communication Technology"/>
      <xs:enumeration value="Retail and Commercial Enterprise"/>
      <xs:enumeration value="Leisure, Travel and Tourism"/>
      <xs:enumeration value="Arts, Media and Publishing"/>
      <xs:enumeration value="History, Philosophy and Theology"/>
      <xs:enumeration value="Social Sciences"/>
      <xs:enumeration value="Languages, Literature and Culture"/>
      <xs:enumeration value="Education and Training"/>
      <xs:enumeration value="Preparation for Life and Work"/>
      <xs:enumeration value="Business, Administration and Law"/>
      <xs:enumeration value="Unknown"/>
    </xs:restriction>
  </xs:simpleType>
```

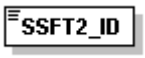
	`</xs:element>`

element: **SSFT2**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **SectorSubjectTier2**
facets	minLength 3 maxLength 4 whiteSpace collapse pattern [0-9]{1,2}\.[0-9]{1,2}

source	`<xs:element name="SSFT2" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="3"/>`
	`  <xs:maxLength value="4"/>`
	`  <xs:whiteSpace value="collapse"/>`
	`  <xs:pattern value="[0-9]{1,2}\.[0-9]{1,2}"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element: **SSFT2_ID**

diagram	
type	**xs:integer**
properties	content simple nillable false
used by	element **SectorSubjectTier2**
source	`<xs:element name="SSFT2_ID" type="xs:integer" nillable="false"/>`

element: **SSFT2Description**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **SectorSubjectTier2**
facets	minLength 1 maxLength 55 whiteSpace preserve

source	`<xs:element name="SSFT2Description" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:whiteSpace value="preserve"/>`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="55"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

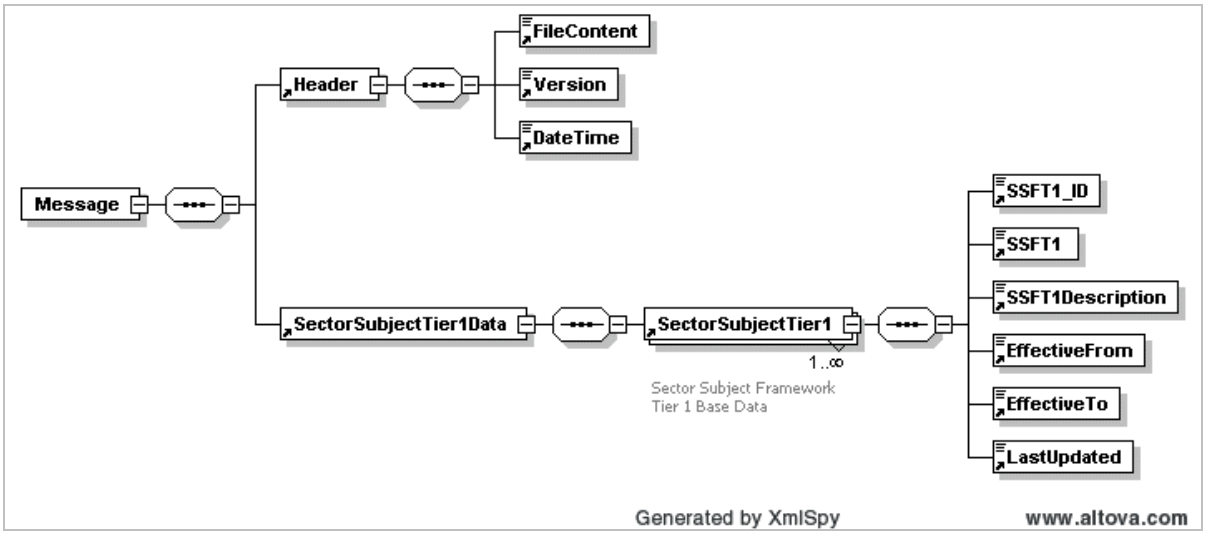
element: **Version**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false

used by	element **Header**
facets	pattern [0-9]{1,2}\.[0-9][0-9a-z]{0,2}
source	<xs:element name="Version" nillable="false"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:pattern value="[0-9]{1,2}\.[0-9][0-9a-z]{0,2}"/> </xs:restriction> </xs:simpleType> </xs:element>

4.6 QAN_SSFT1_V1.1.xsd

Figure 6: QAN_SSFT1_V1.1 - Message Structure



Elements
DateTime
EffectiveFrom
EffectiveTo
FileContent
Header
LastUpdated
Message
SectorSubjectTier1
SectorSubjectTier1Data
SSFT1
SSFT1_ID
SSFT1Description
Version

element: **DateTime**

diagram	DateTime
type	**xs:dateTime**
properties	content simple nillable false
used by	element **Header**
source	`<xs:element name="DateTime" type="xs:dateTime" nillable="false"/>`

element: **EffectiveFrom**

diagram	EffectiveFrom
type	**xs:date**
properties	content simple nillable false
used by	element **SectorSubjectTier1**
source	`<xs:element name="EffectiveFrom" type="xs:date" nillable="false"/>`

element: **EffectiveTo**

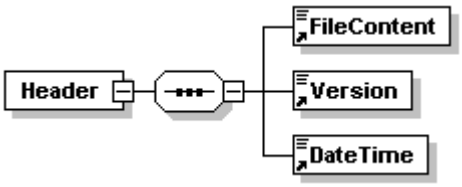
diagram	
type	**xs:date**
properties	content simple nillable false
used by	element **SectorSubjectTier1**
source	`<xs:element name="EffectiveTo" type="xs:date" nillable="false"/>`

element: **FileContent**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **Header**
facets	minLength 1 maxLength 255 whiteSpace preserve

source	`<xs:element name="FileContent" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:whiteSpace value="preserve"/>`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="255"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element: **Header**

diagram	
properties	content complex
children	**FileContent** **Version** **DateTime**
used by	element **Message**

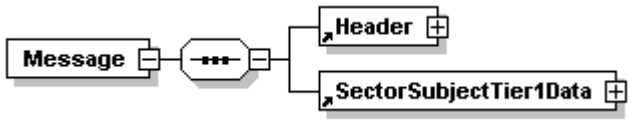
source	`<xs:element name="Header">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="FileContent"/>`
	`  <xs:element ref="Version"/>`
	`  <xs:element ref="DateTime"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element: **LastUpdated**

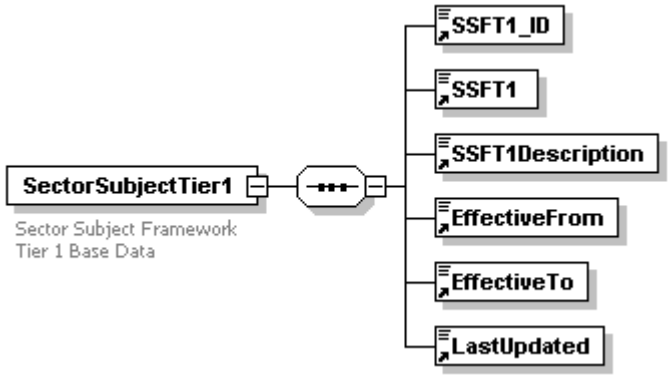
diagram	
type	**xs:date**
properties	content simple nillable false
used by	element **SectorSubjectTier1**

source	<xs:element name="LastUpdated" type="xs:date" nillable="false"/>

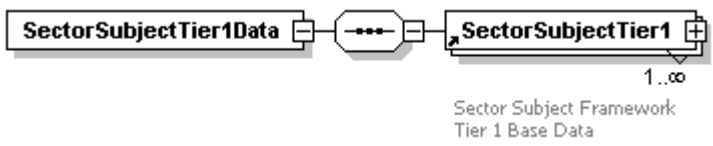
element: **Message**

diagram	
properties	content complex
children	**Header** **SectorSubjectTier1Data**
source	<xs:element name="Message"> <xs:complexType> <xs:sequence> <xs:element ref="Header"/> <xs:element ref="SectorSubjectTier1Data"/> </xs:sequence> </xs:complexType> </xs:element>

element: **SectorSubjectTier1**

diagram	
properties	content complex
children	**SSFT1_ID** **SSFT1** **SSFT1Description** **EffectiveFrom** **EffectiveTo** **LastUpdated**
used by	element **SectorSubjectTier1Data**
annotation	documentation Sector Subject Framework Tier 1 Base Data
source	<xs:element name="SectorSubjectTier1"> <xs:annotation> <xs:documentation>Sector Subject Framework Tier 1 Base Data</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="SSFT1_ID"/> <xs:element ref="SSFT1"/> <xs:element ref="SSFT1Description"/> <xs:element ref="EffectiveFrom"/> <xs:element ref="EffectiveTo"/> <xs:element ref="LastUpdated"/> </xs:sequence> </xs:complexType> </xs:element>

element: **SectorSubjectTier1Data**

diagram	
properties	content complex

children	**SectorSubjectTier1**
used by	element **Message**
source	<xs:element name="SectorSubjectTier1Data"> <xs:complexType> <xs:sequence> <xs:element ref="SectorSubjectTier1" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element>

element: **SSFT1**

diagram	SSFT1
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **SectorSubjectTier1**
facets	minLength 1 maxLength 2 whiteSpace collapse pattern [0-9]{1,2} enumeration 1 enumeration 2 enumeration 3 enumeration 4 enumeration 5 enumeration 6 enumeration 7 enumeration 8 enumeration 9 enumeration 10 enumeration 11 enumeration 12 enumeration 13 enumeration 14 enumeration 15 enumeration 0
source	<xs:element name="SSFT1" nillable="false"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="2"/> <xs:whiteSpace value="collapse"/> <xs:pattern value="[0-9]{1,2}"/> <xs:enumeration value="1"/> <xs:enumeration value="2"/> <xs:enumeration value="3"/> <xs:enumeration value="4"/> <xs:enumeration value="5"/> <xs:enumeration value="6"/> <xs:enumeration value="7"/> <xs:enumeration value="8"/> <xs:enumeration value="9"/> <xs:enumeration value="10"/> <xs:enumeration value="11"/> <xs:enumeration value="12"/> <xs:enumeration value="13"/> <xs:enumeration value="14"/> <xs:enumeration value="15"/> <xs:enumeration value="0"/> </xs:restriction> </xs:simpleType> </xs:element>

element: **SSFT1_ID**

diagram	SSFT1_ID
type	**xs:integer**

properties	content simple nillable false
used by	element **SectorSubjectTier1**
source	<xs:element name="SSFT1_ID" type="xs:integer" nillable="false"/>

element: **SSFT1Description**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **SectorSubjectTier1**
facets	minLength 1 maxLength 50 whiteSpace preserve enumeration Health, Public Services and Care enumeration Science and Mathematics enumeration Agriculture, Horticulture and Animal Care enumeration Engineering and Manufacturing Technologies enumeration Construction, Planning and the Built Environment enumeration Information and Communication Technology enumeration Retail and Commercial Enterprise enumeration Leisure, Travel and Tourism enumeration Arts, Media and Publishing enumeration History, Philosophy and Theology enumeration Social Sciences enumeration Languages, Literature and Culture enumeration Education and Training enumeration Preparation for Life and Work enumeration Business, Administration and Law enumeration Unknown
source	<xs:element name="SSFT1Description" nillable="false"> <xs:simpleType> <xs:annotation> <xs:documentation> "SSFT1","SST1Description" "1","Health, Public Services and Care" "2","Science and Mathematics" "3","Agriculture, Horticulture and Animal Care" "4","Engineering and Manufacturing Technologies" "5","Construction, Planning and the Built Environment" "6","Information and Communication Technology" "7","Retail and Commercial Enterprise" "8","Leisure, Travel and Tourism" "9","Arts, Media and Publishing" "10","History, Philosophy and Theology" "11","Social Sciences" "12","Languages, Literature and Culture" "13","Education and Training" "14","Preparation for Life and Work" "15","Business, Administration and Law" "0","Unknown" </xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:whiteSpace value="preserve"/> <xs:minLength value="1"/> <xs:maxLength value="50"/> <xs:enumeration value="Health, Public Services and Care"/> <xs:enumeration value="Science and Mathematics"/> <xs:enumeration value="Agriculture, Horticulture and Animal Care"/> <xs:enumeration value="Engineering and Manufacturing Technologies"/> <xs:enumeration value="Construction, Planning and the Built Environment"/> <xs:enumeration value="Information and Communication Technology"/> <xs:enumeration value="Retail and Commercial Enterprise"/> <xs:enumeration value="Leisure, Travel and Tourism"/> <xs:enumeration value="Arts, Media and Publishing"/> <xs:enumeration value="History, Philosophy and Theology"/> <xs:enumeration value="Social Sciences"/> <xs:enumeration value="Languages, Literature and Culture"/> <xs:enumeration value="Education and Training"/> <xs:enumeration value="Preparation for Life and Work"/> <xs:enumeration value="Business, Administration and Law"/>

```
      <xs:enumeration value="Unknown"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

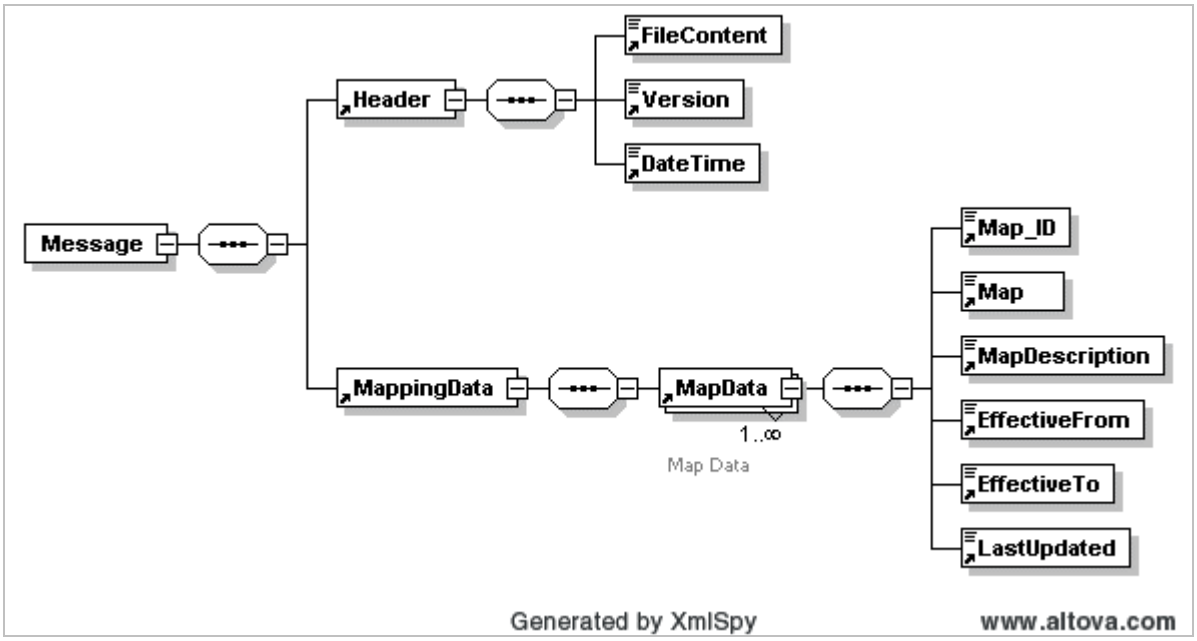
element: **Version**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **Header**
facets	pattern [0-9]{1,2}\.[0-9][0-9a-z]{0,2}

source	`<xs:element name="Version" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:pattern value="[0-9]{1,2}\.[0-9][0-9a-z]{0,2}"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

4.7 QAN_Map_V1.0.xsd

Figure 7: QAN_Map_V1.0 - Message Structure



Elements
DateTime
EffectiveFrom
EffectiveTo
FileContent
Header
LastUpdated
Map
Map_ID
MapData
MapDescription
MappingData
Message
Version

element: **DateTime**

diagram	**DateTime**
type	**xs:dateTime**
properties	content simple nillable false
used by	element **Header**
source	`<xs:element name="DateTime" type="xs:dateTime" nillable="false"/>`

element: **EffectiveFrom**

diagram	**EffectiveFrom**
type	**xs:date**
properties	content simple nillable false
used by	element **MapData**
source	`<xs:element name="EffectiveFrom" type="xs:date" nillable="false"/>`

element: **EffectiveTo**

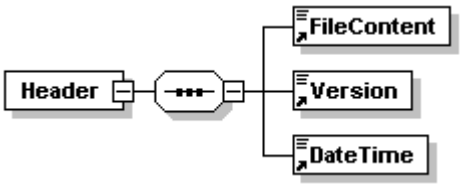
diagram	
type	**xs:date**
properties	content simple nillable false
used by	element **MapData**
source	`<xs:element name="EffectiveTo" type="xs:date" nillable="false"/>`

element: **FileContent**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **Header**
facets	minLength 1 maxLength 255 whiteSpace preserve

source	`<xs:element name="FileContent" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:whiteSpace value="preserve"/>`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="255"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element: **Header**

diagram	
properties	content complex
children	**FileContent** **Version** **DateTime**
used by	element **Message**

source	`<xs:element name="Header">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="FileContent"/>`
	`  <xs:element ref="Version"/>`
	`  <xs:element ref="DateTime"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element: **LastUpdated**

diagram	
type	**xs:date**
properties	content simple nillable false
used by	element **MapData**

source	`<xs:element name="LastUpdated" type="xs:date" nillable="false"/>`

element : **Map**

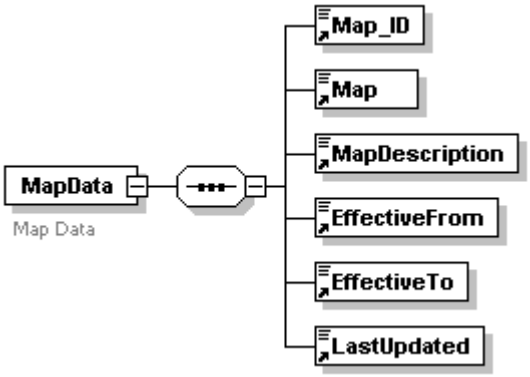
diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **MapData**
facets	length 4 whiteSpace collapse enumeration LDCS enumeration LEAP enumeration ldcs

source	`<xs:element name="Map" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:length value="4"/>`
	`  <xs:whiteSpace value="collapse"/>`
	`  <xs:enumeration value="LDCS"/>`
	`  <xs:enumeration value="LEAP"/>`
	`  <xs:enumeration value="ldcs"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element: **Map_ID**

diagram	
type	**xs:integer**
properties	content simple nillable false
used by	element **MapData**
source	`<xs:element name="Map_ID" type="xs:integer" nillable="false"/>`

element : **MapData**

diagram	
properties	content complex
children	**Map_ID** **Map** **MapDescription** **EffectiveFrom** **EffectiveTo** **LastUpdated**
used by	element **MappingData**
annotation	documentation Map Data

source	`<xs:element name="MapData">`
	`  <xs:annotation>`
	`  <xs:documentation>Map Data</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`

```
      <xs:element ref="Map_ID"/>
      <xs:element ref="Map"/>
      <xs:element ref="MapDescription"/>
      <xs:element ref="EffectiveFrom"/>
      <xs:element ref="EffectiveTo"/>
      <xs:element ref="LastUpdated"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

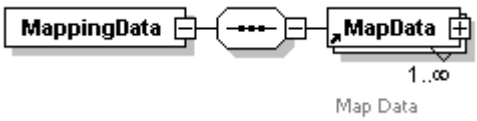
element : **MapDescription**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **MapData**
facets	minLength 1 maxLength 40 whiteSpace preserve enumeration LearnDirect Classification System Coding enumeration SCAAT General Qualifications Coding enumeration Temporary LDCS Coding

source

```
<xs:element name="MapDescription" nillable="false">
  <xs:simpleType>
    <xs:annotation>
        <xs:documentation>
        "Map","MapDescription"
        "LDCS","LearnDirect Classification System Coding"
        "LEAP","SCAAT General Qualifications Coding"
        "ldcs","SCAAT General Qualifications Coding"
        </xs:documentation>
    </xs:annotation>
    <xs:restriction base="xs:string">
      <xs:whiteSpace value="preserve"/>
      <xs:minLength value="1"/>
      <xs:maxLength value="40"/>
      <xs:enumeration value="LearnDirect Classification System Coding"/>
      <xs:enumeration value="SCAAT General Qualifications Coding"/>
      <xs:enumeration value="Temporary LDCS Coding"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

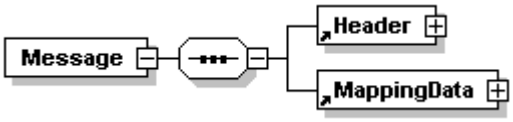
element : **MappingData**

diagram	
properties	content complex
children	**MapData**
used by	element **Message**

source

```
<xs:element name="MappingData">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MapData" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element: **Message**

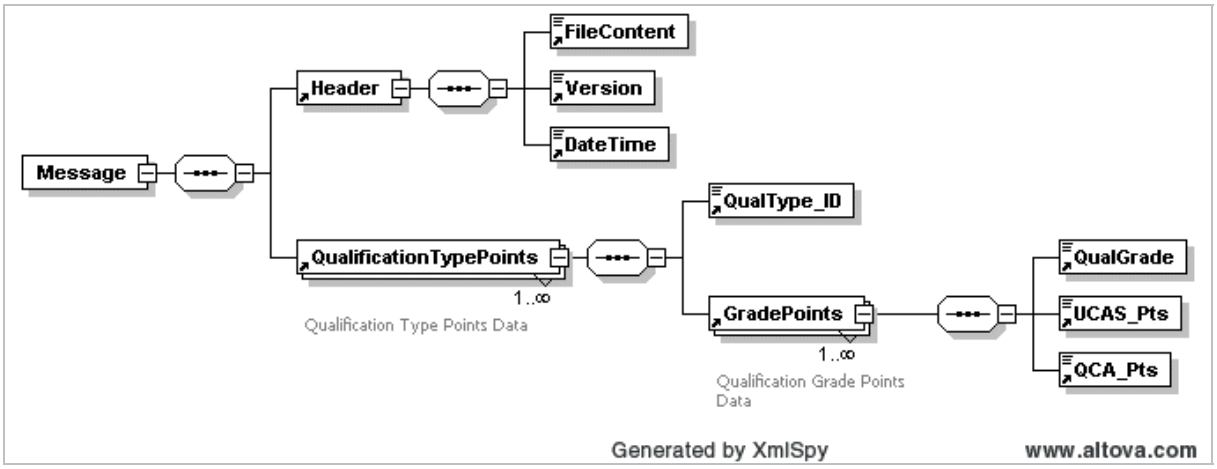
diagram	
properties	content complex
children	**Header** **MappingData**
source	<xs:element name="Message"> <xs:complexType> <xs:sequence> <xs:element ref="Header"/> <xs:element ref="MappingData"/> </xs:sequence> </xs:complexType> </xs:element>

element: **Version**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **Header**
facets	pattern [0-9]{1,2}\.[0-9][0-9a-z]{0,2}
source	<xs:element name="Version" nillable="false"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:pattern value="[0-9]{1,2}\.[0-9][0-9a-z]{0,2}"/> </xs:restriction> </xs:simpleType> </xs:element>

4.8 QAN_QualTypePoints_V1.2.xsd

Figure 8: QAN_QualTypePoints_V1.2 - Message Structure



Elements
DateTime
FileContent
GradePoints
Header
Message
QCA_Pts
QualGrade
QualificationTypePoints
QualType_ID
UCAS_Pts
Version

element: **DateTime**

diagram	
type	**xs:dateTime**
properties	content simple nillable false
used by	element **Header**
source	`<xs:element name="DateTime" type="xs:dateTime" nillable="false"/>`

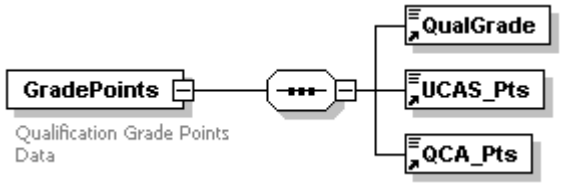
element: **FileContent**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **Header**
facets	minLength 1 maxLength 255 whiteSpace preserve

source	`<xs:element name="FileContent" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:whiteSpace value="preserve"/>`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="255"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`

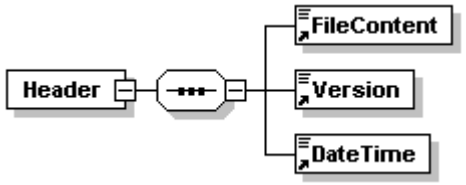
	`</xs:element>`

element : **GradePoints**

diagram	
properties	content complex
children	**QualGrade** **UCAS_Pts** **QCA_Pts**
used by	element **QualificationTypePoints**
annotation	documentation Qualification Grade Points Data

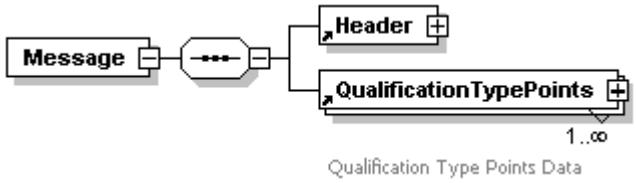
source	`<xs:element name="GradePoints">`
	`  <xs:annotation>`
	`  <xs:documentation>Qualification Grade Points Data</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="QualGrade"/>`
	`  <xs:element ref="UCAS_Pts"/>`
	`  <xs:element ref="QCA_Pts"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element: **Header**

diagram	
properties	content complex
children	**FileContent** **Version** **DateTime**
used by	element **Message**

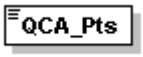
source	`<xs:element name="Header">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="FileContent"/>`
	`  <xs:element ref="Version"/>`
	`  <xs:element ref="DateTime"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element: **Message**

diagram	
properties	content complex
children	**Header** **QualificationTypePoints**
source	`<xs:element name="Message">` `  <xs:complexType>`

```
    <xs:sequence>
      <xs:element ref="Header"/>
      <xs:element ref="QualificationTypePoints" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element : **QCA_Pts**

diagram	
type	restriction of **xs:float**
properties	content simple nillable false
used by	element **GradePoints**
facets	minInclusive 0 maxInclusive 1500

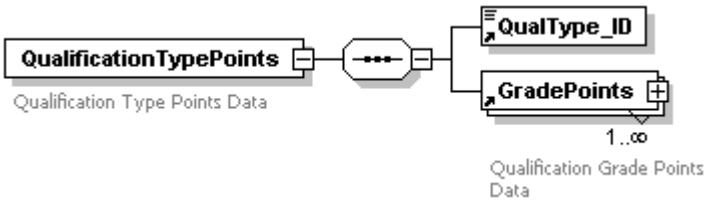
source	`<xs:element name="QCA_Pts" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:float">`
	`  <xs:minInclusive value="0"/>`
	`  <xs:maxInclusive value="1500"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element : **QualGrade**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **GradePoints**
facets	minLength 1 maxLength 3 whiteSpace collapse pattern [0-9A-Z*]{1,3}

source	`<xs:element name="QualGrade" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="3"/>`
	`  <xs:whiteSpace value="collapse"/>`
	`  <xs:pattern value="[0-9A-Z*]{1,3}"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element: **QualificationTypePoints**

diagram	
properties	content complex
children	**QualType_ID** **GradePoints**
used by	element **Message**
annotation	documentation Qualification Type Points Data
source	`<xs:element name="QualificationTypePoints">` `  <xs:annotation>`

```
    <xs:documentation>Qualification Type Points Data</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="QualType_ID"/>
      <xs:element ref="GradePoints" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element: **QualType_ID**

diagram	
type	**xs:integer**
properties	content simple nillable false
used by	element **QualificationTypePoints**
source	`<xs:element name="QualType_ID" type="xs:integer" nillable="false"/>`

element: **UCAS_Pts**

diagram	
type	restriction of **xs:integer**
properties	content simple nillable false
used by	element **GradePoints**
facets	minInclusive 0 maxInclusive 800

source	`<xs:element name="UCAS_Pts" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="0"/>`
	`  <xs:maxInclusive value="800"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element: **Version**

diagram	
type	restriction of **xs:string**
properties	content simple nillable false
used by	element **Header**
facets	pattern [0-9]{1,2}\.[0-9][0-9a-z]{0,2}

source	`<xs:element name="Version" nillable="false">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:pattern value="[0-9]{1,2}\.[0-9][0-9a-z]{0,2}"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

5. Text Files

In addition to the XML data files, the data are also provided in a series of comma separated value (CSV) files. These files have no associated schema files. Users should refer to the appropriate XML schema files for field validation information.

Note: The CSV files should not be opened or processed using a spreadsheet program as they will not treat code values containing zeros correctly – the files should either be opened in a dedicated text editor or imported into a database.

The following sections provide field order information for each of the CSV data files:

Section	Data	CSV Data Filename
5.1	QAN Main Data	QAN_Main_V1.1.csv
5.2	Awarding Body	QAN_AB_V1.0.csv
5.3	Qualification Type	QAN_QualType_V1.0.csv
5.4	Discount Code	QAN_DiscCode_V1.1.csv
5.5	Sector Subject Framework Tier 2	QAN_SSFT2_V1.1.csv
5.6	Sector Subject Framework Tier 1	QAN_SSFT1_V1.1.csv
5.7	Discount Code Mapping	QAN_Map_V1.0.csv
5.8	Qualification Type Points	QAN_QualTypePoints_V1.2.csv

5.1 QAN_Main_V1.1.csv

Field	Field Name	Type
01	QAN_ID	INT
02	QAN	CHAR(8)
03	AB	CHAR(3)
04	QualType	VARCHAR(3)
05	Map	CHAR(4)
06	DiscCode	VARCHAR(4)
07	QualificationTitle	VARCHAR(165)
08	QualShortTitle	VARCHAR(55)
09	AccStartDate	DATE
10	AccEndDate	DATE
11	CertEndDate	DATE
12	AppStartDate	DATE
13	AppEndDate	DATE
14	SSFT2	VARCHAR(4)
15	SSFT1	VARCHAR(2)
16	NQF	VARCHAR(8)
17	EffectiveFrom	DATE
18	EffectiveTo	DATE
19	LastUpdated	DATE

5.2 QAN_AB_V1.0.csv

Field	Field Name	Type
01	AB_ID	INT
02	AB	CHAR(3)
03	AwardingBodyName	VARCHAR(130)
04	AB_Acronym	VARCHAR (20)
05	EffectiveFrom	DATE
06	EffectiveTo	DATE
07	LastUpdated	DATE

5.3 QAN_QualType_V1.0.csv

Field	Field Name	Type
01	QualType_ID	INT
02	QualType	VARCHAR (3)
03	QualificationDescription	VARCHAR (75)
04	NQF	VARCHAR (8)
05	DiscountFamily	VARCHAR (3)
06	QualCode	VARCHAR (3)
07	EffectiveFrom	DATE
08	EffectiveTo	DATE
09	LastUpdated	DATE

5.4 QAN_DiscCode_V1.1.csv

Field	Field Name	Type
01	DiscCode_ID	INT
02	DiscCode	VARCHAR (4)
03	DiscCodeDescription	VARCHAR (60)
04	SSFT2	VARCHAR (4)
05	SSFT1	VARCHAR (2)
06	Map	CHAR (4)
07	EffectiveFrom	DATE
08	EffectiveTo	DATE
09	LastUpdated	DATE

5.5 QAN_SSFT2_V1.1.csv

Field	Field Name	Type
01	SSFT2_ID	INT
02	SSFT2	VARCHAR (4)
03	SSFT2Description	VARCHAR (55)
04	SSFT1	VARCHAR (2)
05	SSFT1Description	VARCHAR (50)
06	EffectiveFrom	DATE
07	EffectiveTo	DATE
08	LastUpdated	DATE

5.6 QAN_ SSFT1_V1.1.csv

Field	Field Name	Type
01	SSFT1_ID	INT
02	SSFT1	VARCHAR (2)
03	SSFT1Description	VARCHAR (50)
04	EffectiveFrom	DATE
05	EffectiveTo	DATE
06	LastUpdated	DATE

5.7 QAN_Map_V1.0.csv

Field	Field Name	Type
01	Map_ID	INT
02	Map	CHAR(4)
03	MapDescription	VARCHAR (40)
04	EffectiveFrom	DATE
05	EffectiveTo	DATE
06	LastUpdated	DATE

5.8 QAN_QualTypePoints_V1.2.csv

Field	Field Name	Type
01	QualType_ID	INT
02	QualGrade	VARCHAR (3)
03	UCAS_Pts	INT
04	QCA_Pts	NUM