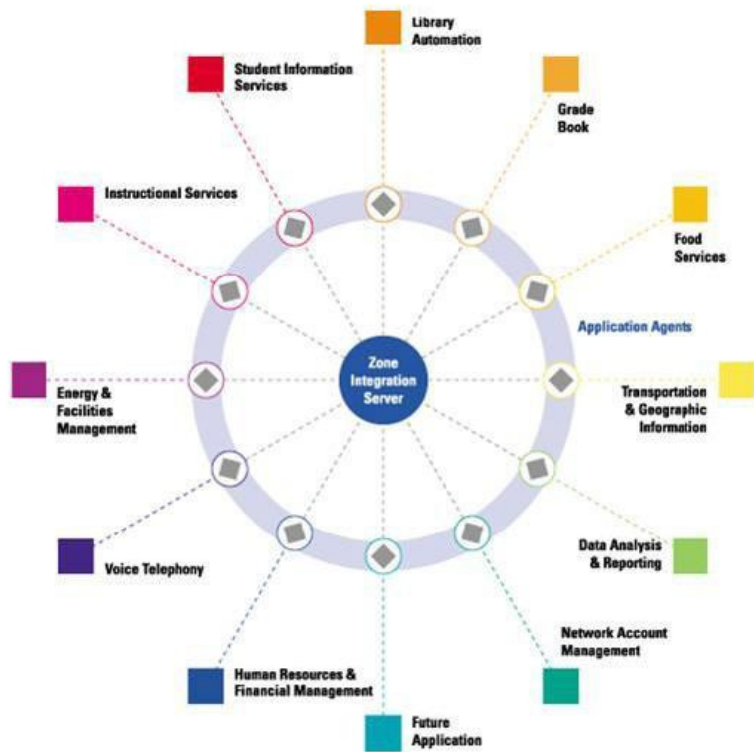


Systems Interoperability Framework™

SIF Data Model Implementation Specification (UK) 1.4

November 2, 2011



This version:

<http://specification.sifassociation.org/Implementation/UK/1.4/>

Previous version:

<http://specification.sifassociation.org/Implementation/UK/1.3/>

Latest version:

<http://specification.sifassociation.org/Implementation/UK/1.4/>

Schemas

SIF_Message (single file, non-annotated)(ZIP archive)
 SIF_Message (single file, annotated)(ZIP archive)
 SIF_Message (includes, non-annotated)(ZIP archive)
 SIF_Message (includes, annotated)(ZIP archive)
 DataModel (single file, non-annotated)(ZIP archive)
 DataModel (single file, annotated)(ZIP archive)
 DataModel (includes, non-annotated)(ZIP archive)
 DataModel (includes, annotated)(ZIP archive)
 ServiceBodyDefinitions (includes, annotated)(ZIP archive)

Note: SIF_Message schemas define every data object element as optional per SIF's Publish/Subscribe and SIF Request/Response Models; DataModel schemas maintain the cardinality of all data object elements.

Please refer to the [errata](#) for this document, which may include some normative corrections.

This document is also available in these non-normative formats: [ZIP archive](#), [PDF \(for printing as a single file\)](#), [Excel spreadsheet](#).

1 Preamble

1.1 Abstract

1.1.1 What is SIF?

The Systems Interoperability Framework (SIF) is not a product, but a technical blueprint for enabling diverse applications to interact and share data related to entities in the education, skills and children's services (escs) sector. SIF is designed to:

-  Facilitate data sharing and reporting between applications without incurring expensive customer development costs;
-  Enhance product functionality efficiently; and
-  Provide best-of-breed solutions to customers easily and seamlessly.

The SIF Implementation Specification defines:

-  an XML-based messaging framework that allows diverse software applications to interoperate and share and report data related to entities in the education, skills and children's services instructional and administrative environment;
-  an HTTP(S)-based transport for conveying these SIF messages;
-  an abstract, platform-independent definition of a message queue for reliable delivery of asynchronous SIF messages and related synchronous administrative functions—the *Zone Integration Server (ZIS)*; and
-  an abstract, platform-independent definition of the interface between a software application and the ZIS—the *SIF Agent*.

These are known collectively as the *SIF Infrastructure*. The SIF Implementation Specification also defines the *SIF Data Model*:

-  an XML-based data model that models entities in the escs sector as *SIF Data Objects* to be shared between applications.

A *SIF Zone* is a distributed system that consists of a ZIS and one or more software applications with a SIF Agent (a *SIF-enabled application*) sharing/reporting one or more SIF data objects over a network. A *SIF Implementation* consists of one or more SIF Zones deployed and configured to meet customer data sharing and reporting needs.

The SIF Implementation Specification defines architecture requirements and communication protocols for software components and the interfaces between them; it makes no assumption of specific hardware or software products needed to develop SIF-enabled applications and Zone Integration Server implementations, other than their ability to support technologies leveraged as the foundation for SIF, most prominently XML and HTTP(S).

1.1.1.1 What is SIF (UK)?

SIF Implementation Specification (United Kingdom) defines a set of data objects supporting the United Kingdom's interoperability requirements for the education, skills and children's services sector and combines this data model with established infrastructure protocols from the SIF Implementation Specification

[SIF]. SIF Implementation Specification (United Kingdom) 1.3 leverages the SIF architecture and redefines the SIF infrastructure from SIF Implementation Specification 2.4 [SIF 2.4] to support its data objects, with a United Kingdom-specific namespace and the data objects defined in this specification. Until such time as the SIF infrastructure is defined separately from its data objects, technical readers should note that the version number internal to SIF XML messages may differ from the version number of the corresponding specification. This is the case for SIF Implementation Specification (United Kingdom) 1.3, which uses version 2.4 from SIF Implementation Specification 2.4, upon which it is based.

1.1.1.2 Systems Interoperability Framework Association

The SIF Association is an industry initiative to enable interoperability and data sharing between software applications in the education, skills and children's services (escs) sector, and the forum for companies and educators to participate in the development of SIF specifications in the SIF Association's working groups and task forces. The SIF Association is designed to:

-  Join industry leaders in creating the next-generation framework for education technology; and
-  Leverage co-marketing opportunities with partners and distributors.

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Though a product may be demonstrated to comply with this specification, no product may be designated as *SIF Certified™* by an organisation or individual until the product has been tested against and passed established compliance criteria, published separately

[SIFCertification]. Organisations and individuals that are currently paying annual membership dues to the SIF Association and dedicating resources to the initiative may also use the designation *SIF Participant* to describe their involvement with the SIF Association and SIF in marketing, public relations and other materials.

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Teachernet

Church of England Diocese

LA Name

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Learning and Skills Council Area Code

Nation States and Countries

Roman Catholic Diocese

UK

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2 Introduction

2.1 Specification Organization

With respect to the SIF Specification, educators and non-technical readers are typically interested in the pK-12 data objects that can be shared and reported on by SIF-enabled applications in SIF implementations. This document, the *SIF Data Model Implementation Specification*, contains a

[Data Model](#) section in a format that should not be a barrier to readers with a some knowledge of [XML](#). More technical readers, including software architects, developers and integrators, will also be interested in the separate *SIF Infrastructure Implementation Specification* document.

-  The [Preamble](#) provides an abstract of SIF along with the SIF Association disclaimer and details regarding certification and compliance claims.
-  This Introduction outlines the organization of this specification document, provides conventions used in this document, and summarizes versioning of the specification. Highlights of additions/changes since the previous version of the specification are also provided.
-  The [Data Model](#) section provides definitions of the XML structure for common elements in the data model and all objects related to entities in the pK-12 environment. This section is organized by the working groups and task forces within the SIF Association that have defined common elements or objects.
-  [Zone Services](#) details the data formats and operation choreographies of the interfaces which Zone Services provide in support of their clients.
-  The document concludes with various appendices including lists of code set values defined within SIF and in external documents, and ends with a list of [references](#) to other documents.

2.2 Document Conventions

2.2.1 Definitions

The first time a term or concept is defined, it may be *emphasized*.

2.2.2 Structure and Values

SIF message and object names, XML element tags, attribute names and values, and other codes or values are typically presented as in this sentence.

2.2.3 Examples

Longer examples of XML or HTTP messages are typically numbered and presented as given here.

Example 2.2.3-1: Examples Convention

2.2.4 References

References to other works occurring in this text are given in brackets, e.g. [REFERENCE]. The text in brackets corresponds to a key in the [References](#) appendix. Often when the text in the brackets duplicates surrounding text, the reference alone is used (e.g. [XML] instead of XML [XML]).

2.2.5 Terminology

The key words **MUST**, **MUST NOT**, **REQUIRED**, **SHALL**, **SHALL NOT**, **SHOULD**, **SHOULD NOT**, **RECOMMENDED**, **MAY**, **OPTIONAL**, when **EMPHASIZED**, are to be interpreted as described in

[RFC 2119].

2.2.6 XML Diagrams

Quick overviews of XML structures, including messages, objects, common elements and types, are provided in XML diagrams. The following diagram illustrates the conventions typically encountered in SIF.

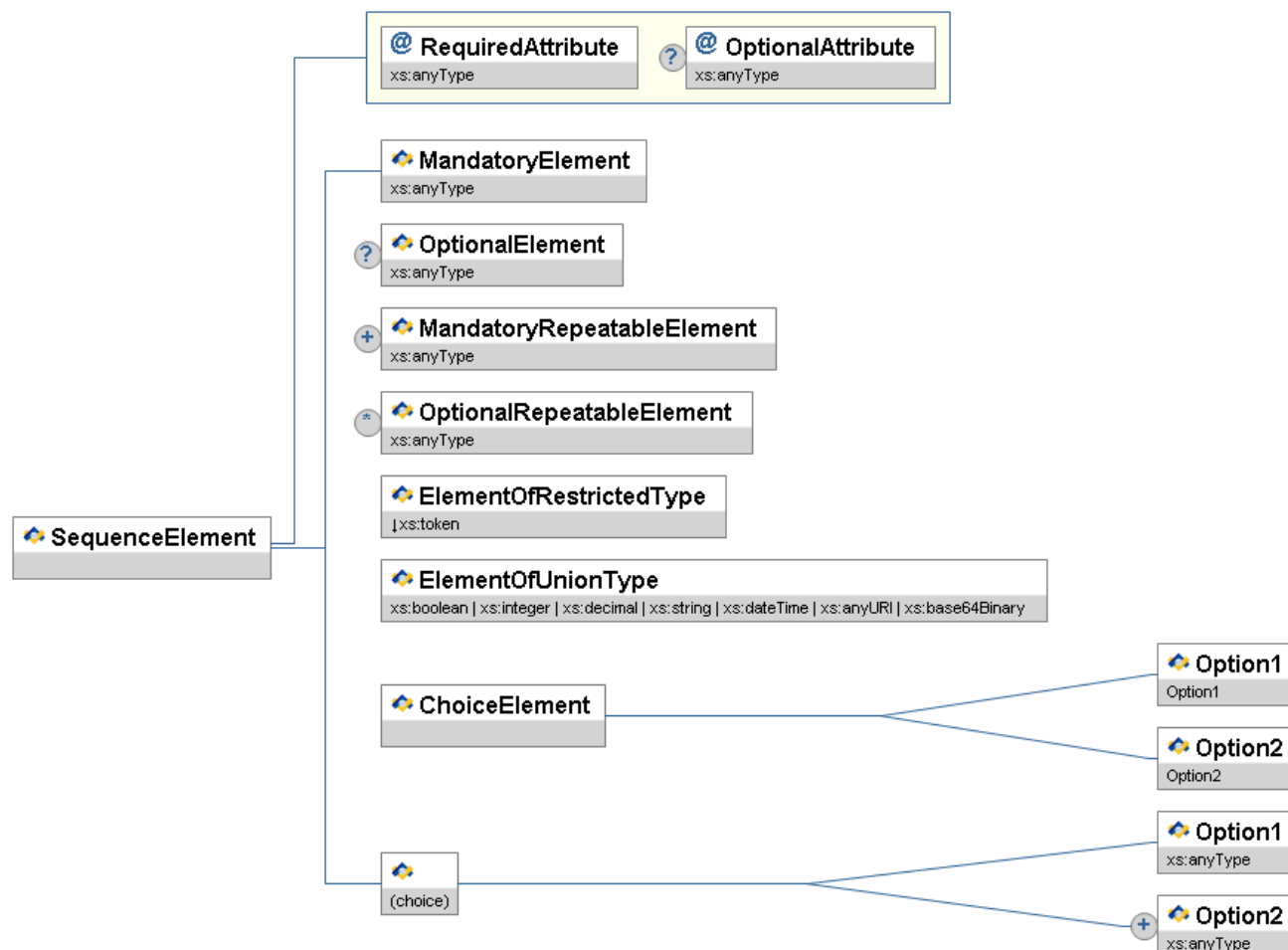


Figure 2.2.6-1: XML Diagram Conventions

XML elements are represented by rectangles with the name of the element in the upper portion and the type, if any, in the lower portion. Attributes are represented in the same fashion, but have an @ icon rather than a SIF icon. Elements and attributes that are optional have a circled ? (0 or 1 occurrence) to the left of the rectangle. Optional and mandatory repeatable elements are indicated by a circled + (0 or more occurrences) and + (1 or more occurrences), respectively. Element attributes are grouped together in a rectangular block and connected to the element with a line that turns at right angles. Ordered sequences of XML elements are bracketed by lines that turn at right angles. When a choice of XML elements is indicated, the elements are bracketed by angled lines. A choice of elements can occur within an element, or may be an unnamed choice of elements.

XML types are represented using the same conventions as for XML elements, though the type portion of the rectangle typically indicates a base type, if any.

The type name of any element, attribute or type may be prefixed with a `xs:`, indicating the type is restricted in some fashion by one or more XML Schema facets (e.g. enumeration). When the type is a union of types, a list of types is presented, each type separated by `|`; if the list of union types is long, the list may be marked with ellipses, e.g., `xs:token`.

In an actual XML diagram, element, type and attribute rectangles are usually linked to their corresponding definitions/descriptions in accompanying tables.

2.3 Version Numbers

The SIF Implementation Specification uses the following version numbering scheme:

major version . minor version : revision number

Major versions typically introduce additions/changes to the SIF infrastructure and/or data model changes that impact a significant percentage of SIF-enabled applications (e.g. making previously optional elements mandatory, removal of deprecated objects, elements or values). The first release of a major version has a minor version of 0 (2.0); major version numbers start at 1 and are incremented as major versions are released (1.0, 2.0, 3.0, ...).

Minor releases typically introduce new data objects, or optional additions to data objects, to the marketplace, and may include minor infrastructure additions/changes that do not impact existing SIF-enabled applications and that ZIS vendors have agreed to implement. The first minor version released subsequent to and within a major release has a minor version of 1 and is incremented as new minor versions are released (2.1, 2.2, ...). If a significant number of minor release features is introduced in a specification, the SIF Association may decide to increment the minor version number by more than 1 (e.g. 1.1 to 1.5), though a number like 1.5 is not an indication of being halfway to a major release, as minor version numbers may be incremented significantly past 10 (2.10, 2.11, ...) as data objects and other minor version features are released.

Corrections resulting from identified errata, as well as textual changes, may be incorporated into a revision release. These typically include minor corrections to messages or data objects, corrections of typographical errors, or corrected/expanded documentation. If major errors in any release are identified, a revision release may incorporate changes more typical of a major or minor release. First major and minor releases have a revision number of 0, which is omitted from the version number (2.0, not 2.0r0); subsequent revision numbers start at 1 and are incremented as new revisions are released (2.0r1, 2.0r2, ...).

2.4 Highlighted Additions/Changes Since Version 1.3.

This release contains the following significant updates and extensions to the SIF Data Model Implementation Specification.

-  The Max Length restriction on TTSubject description element and the TTRoom description element have been removed. A length of 32 is recommended.
-  SessionEndDate and Description elements have been added to the AssessmentSession object.
-  Codesets for the following element types have been removed from the Specification and replaced with external references. The types are now explicitly named in the printed Specification and have not been removed from the XML Schemas.
 -  ONSParishCouncilNameType
 -  ONSWardCodeType
 -  ONSWardNameType
 -  ONSParliamentaryConstituencyCodeType
 -  ONSParliamentaryConstituencyNameType
 -  teachernetLAIdType
 -  teachernetEthnicityCodeType
-  The DfeStatutorySessionAttendanceString element has been added to the LearnerAttendanceSummary object.
-  The NextReviewDate element has been added to the LearnerEntitlement object.
-  The type of the common element PhoneNumber has been changed from a validation string to a less restrictive normalized string.
-  A new object, SchoolDiaryEntry, has been added.
-  ExternalLearnerIdentifierList has been added to the LearnerPersonal object.
-  ExternalWorkforceIdentifierList has been added to the WorkforcePersonal object.
-  A CycleRefId root attribute has been added to the Lesson object, and a SchoolInfoRefId root attribute has been added to the Cycle object. This forms a parent-child heirarchy of SchoolInfo to Cycle to Lesson.
-  An optional SchoolGroupRefId element has been added to the TeachingGroup object.
-  Breaking changes have been made to the LearnerEntitlement object (3.3.19). Because deprecating parts of the object and adding new elements would be confusing and the impact of the changes was deemed to be low, versions of the object previous to 1.4 (UK) have been declared OBSOLETE. Therefore, users of the LearnerEntitlement object **MUST** use versions 1.4 or later of the Specification.

3 Data Model

3.1 Introduction

This section presents the XML structure for SIF Data Model common elements and objects in a tabular format for readers less versed in parsing formal XML schema definitions, along with conventions that typically apply in the data model for easy reference.

3.1.1 Format

The Char(acteristics) column for all of the tables in this section use the following codes:

Code	Characteristic
M	Mandatory element or attribute
O	Optional element or attribute
C	Conditional element or attribute
MR	Mandatory and repeatable element
OR	Optional and repeatable element
CR	Conditional and repeatable element

Mandatory elements **MUST** be present in Add events, and in non-empty and non-error responses to requests for entire SIF objects (e.g., no `SIF_Query/SIF_QueryObject/SIF_Element` elements supplied in the request). Mandatory attributes **MUST** always be present if their corresponding element is present.

SIF Agents and Zone Integration Servers **MUST** supply data according to the types specified in the Type columns and their corresponding equivalents in the most recent schema files associated with this specification. If there is a discrepancy between object and element definitions in this specification and the corresponding schema files, the definition in the schema files takes precedence; every effort will be made to note discrepancies in the

errata for this document as they are identified.

3.1.2 Conventions

3.1.2.1 Object Attributes/Primary Keys

XML attributes in SIF are primarily used to provide additional information regarding the associated element content. In addition, attributes at the root level of an object can have special significance. These root-level attributes often serve as the primary key or identifier for the object. In many cases this is no more than a `RefId` GUID of

`RefIdType`, though these object key components may consist solely of foreign key references to other SIF objects and include school years, dates, etc. These object key components (root-level attributes) are immutable over the lifetime of an object and serve the purpose of uniquely identifying an object, especially in `Change` and `Delete` events. Some Working Groups also include non-object key components in object attributes: e.g., mandatory foreign key references to other objects or attributes that provide additional processing information regarding the object. As SIF currently does not mandate that all object attributes be included in all messages, when a SIF Association Working Group or Task Force places a non-primary key attribute in the object's attribute definitions (typically out of historical query conventions), they are indicating that this value must still be accessible to systems in `Change` and, more notably, `Delete` events. Also, all object key component attributes must be supplied to identify the object in `Change` and `Delete` events.

3.1.2.2 Object References

As stated elsewhere, SIF primarily uses GUIDs as object identifiers, primary keys, or `RefIds`. References to primary keys (foreign key references) follow certain conventions in SIF in most objects:

-  An element or attribute of type
-  `IdRefType` can be defined that consists of the referenced object name concatenated with `RefId`, e.g., `LearnerPersonalRefId` (a reference to the object identifier/primary key/`RefId` of a `LearnerPersonal` object);
-  An element requiring a more descriptive name for the reference or one that refers to more than one object type is defined as `IdRefType`, has an element name of a group's choosing (or generically `SIF_RefId`) and enumerates all possible object types that can be referenced in the `SIF_RefObject` attribute; or
-  A pair of attributes can be defined, one of type `IdRefType` containing the referenced object's `RefId`, the other enumerating all possible object types that can be referenced; generically these are named `SIF_RefId` and `SIF_RefObject`, respectively; naming conventions that programmatically allow identification of the pair beyond the generic names will be documented when the need arises.

3.1.2.3 Lists/Repeatable Elements

For those accustomed to normalized relational databases, the SIF Data Model will appear to be not especially normalized, especially with regard to repeating groups of data not separated into their own "tables," or in SIF's case, "objects" with primary/foreign keys to maintain the relationship. Bear in mind that SIF is not a format for storing data; it is a format for transmitting data *asynchronously* between *disparate* and *distributed* systems needing to share data for interoperability; the format this data takes in different systems can vary greatly, and the data related to any given "entity" may come from a variety of sources and systems. The goals of normalization—eliminating redundancy, organizing data efficiently, reducing inconsistencies, etc.—take on a different meaning in a message queuing system. Of primary importance is transmitting the data needed for interoperability in a minimum number of messages. The need to "join" together a great number of separate objects is kept to a minimum in SIF, as individual systems do not have access to all the data required and due to the asynchronous nature of SIF, any one of these systems may take a fair amount of time before returning data necessary for joins (`SIF_ExtendedQuery` has been developed to communicate a join to a single system that may have direct access to the all the data necessary to efficiently accomplish this task). It's one thing to make a separate request for a student's picture or enrollment information, another entirely to request every available phone number, address and e-mail address separately from the SIF Zone. As such, it is often the case in SIF that repeating data is stored directly in an object, rather than being separated out into a separate object.

Repeating data is very analogous to objects, though, within any given object. In SIF's Publish/Subscribe model, repeating elements in objects can be added to, changed in or deleted from an object, much like objects can be added to, changed in or deleted from a Zone. Within an existing object, all of these actions take place within a Change event, and repeating elements—if any exist initially—are first made available within an object in an Add event or can be obtained directly via requests. Repeatable elements are contained within a parent *List* element in most SIF objects whether or not they support events, e.g.:

```
<EmailList>
  <Email Type="School">contact@uk.sifinfo.org</Email>
  <Email Type="Personal">someone@anothersite.com</Email>
</EmailList>
```

Example 3.1.2.3-1: EmailList

Two types of list are currently defined in SIF, *ActionList* and *List*; both consist of a list container element and a single repeatable child element. Each type of list serves different needs and has associated conventions for communication and processing in the SIF Publish/Subscribe Model. *List* or *ActionList* is specified in the Type column in tables in this section for each list; when an *ActionList* the key, possibly compound, is also indicated in the Type column. *ActionList* key values must be unique within an instance of an *ActionList*.

3.1.2.3.1 ActionList

An *ActionList* has a key that uniquely identifies each child element within the list. This type of list is primarily used when it is desirable or necessary for systems to support or refer to a subset of the list, either due to functionally only being able to support a subset or because specifying a subset in Change events is more efficient than transmitting a whole list as in *List*. While one system may support the *School* and *Personal* e-mail address types above, another may additionally support *Alternate1* addresses. The second system is able to communicate the addition, change or deletion of an *Alternate1* address without the first system inadvertently interpreting that to mean a student or staff member's *School* and *Personal* addresses have been deleted.

Systems communicate the whole list as a cohesive unit consisting of the parent list container element and all child elements in an Add event; if the container is present with no child elements, the list is empty; the same is implied when an optional list is not present in an Add event. In a Change event, systems **SHOULD** only transmit those elements that have been added, changed or deleted. Deletion is not implied by the omission of a child element, but rather explicitly communicated with a *SIF Action* attribute of *Delete* added to the deleted element, along with the element's key attribute(s)/element(s) at a minimum. An empty list in a Change event implies no changes have occurred in the list, as does the omission of the list. Systems storing *ActionList* data should set/replace/delete any existing values identified by primary keys in the Change event they support.

```
<EmailList>
  <Email Type="School">hjorgan@myschool.co.uk</Email>
  <Email Type="Personal" SIF_Action="Delete" />
</EmailList>
```

Example 3.1.2.3.1-1: Indicating a new value for the School e-mail address and deleting the Personal address

A system that supports an *Alternate1* e-mail makes no changes to its value for that address type.

3.1.2.3.2 List

While a unique, primary key may still be identifiable in its child elements, a *List* is used primarily when:

-  the list is a cohesive whole conceptually, where supporting or referring to a subset of the list is of little value;
-  when the list consists only of keys, and no associated data;
-  the list is informational/temporary state information and not typically persisted; or
-  when no key exists to uniquely identify items in the list.

Lists are always transmitted as a cohesive unit consisting of the parent list container element and all child elements. If no child elements exist in the list, the list consists of the container element alone. Omission of an optional *List* in an Add event also implies no list items. In a Change event, omission of the *List* indicates no changes have been made; otherwise the parent container element and all child elements, if any, are included. Systems storing *List* data should replace all corresponding data in their systems when persisting the list; likewise when a change is made to one or more list items or when all items in the list are deleted, systems should send the whole list in a Change event.

```
<CountriesOfCitizenship>
  <CountryOfCitizenship>GBR</CountryOfCitizenship>
  <CountryOfCitizenship>DEU</CountryOfCitizenship>
</CountriesOfCitizenship>
```

Example 3.1.2.3.2-1: Indicating an updated list of country citizenships

A system that supports *CountriesOfCitizenship* updates its local data to reflect United Kingdom and German citizenship.

3.1.2.4 Supported Optional Elements Without Values

Some agents follow the convention of supplying an optional element as empty (e.g. `<BirthDate></BirthDate>` or `<BirthDate/>` to indicate that the application supports the element, but that it currently has no value available within a given object. To allow for this convention within SIF—as in this example an empty string does not satisfy the `xs:date` type definition of *BirthDate*—all optional elements in SIF are defined as `nillable`.

[SCHEMA]. To satisfy type constraints on an element while still supplying an empty or "nil" value, agents **MUST** tag the element with a `true` value for the `nil` attribute from namespace `http://www.w3.org/2001/XMLSchema-instance` [SCHEMA] (e.g. `<BirthDate xsi:nil="true"/>` where the prefix `xsi` has been mapped to the namespace `http://www.w3.org/2001/XMLSchema-instance`), unless an empty value is valid with regard to the element's type definition, in which case supplying the `nil` attribute value of `true` is optional. See [SIF and XML Namespaces](#) for more details on namespaces, and [SIF and XML Schema](#) for more details on SIF's use of XML Schema.

3.1.2.5 Externally-Defined XML

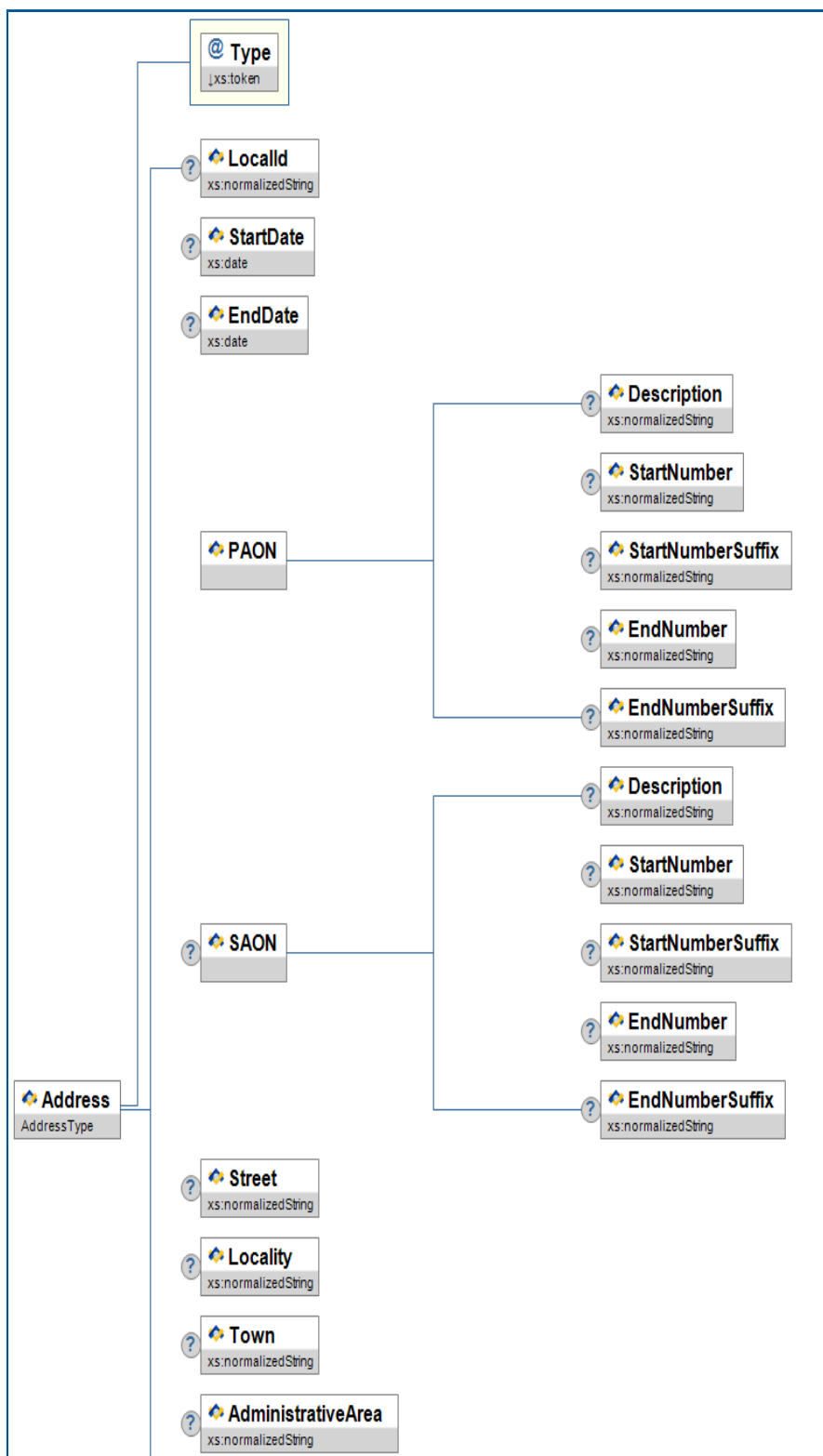
Note that XML not defined within SIF does not necessarily support ad hoc omission of XML elements at will to conform with the conventions of the SIF Publish/Subscribe Model (where unchanged elements are typically omitted in Change events, and where non-key elements are often omitted in Delete events) or of the SIF Request/Response Model (where a subset of elements can be retrieved from objects with requests). If externally-defined XML occurs within a SIF data object, SIF conventions do not extend to that XML unless that XML is defined to accommodate SIF conventions; the XML, when transmitted, must only conform to any external

definitions dictating its structure, if any. Applications should be prepared for the possibility of receiving whole externally-defined XML structures in Change events (regardless of how little or much of the external XML has changed) and possibly also Delete events, likewise in responses even when a subset of the XML structure's child elements may have explicitly been requested.

3.2 Common Elements

3.2.1 Address

This element contains address data, some of which is defined by the BS7666 International Address and Geographic Location Specification. Other elements are present for support of international addresses. Applications storing address information in the traditional line format must translate this information into the appropriate data elements below.



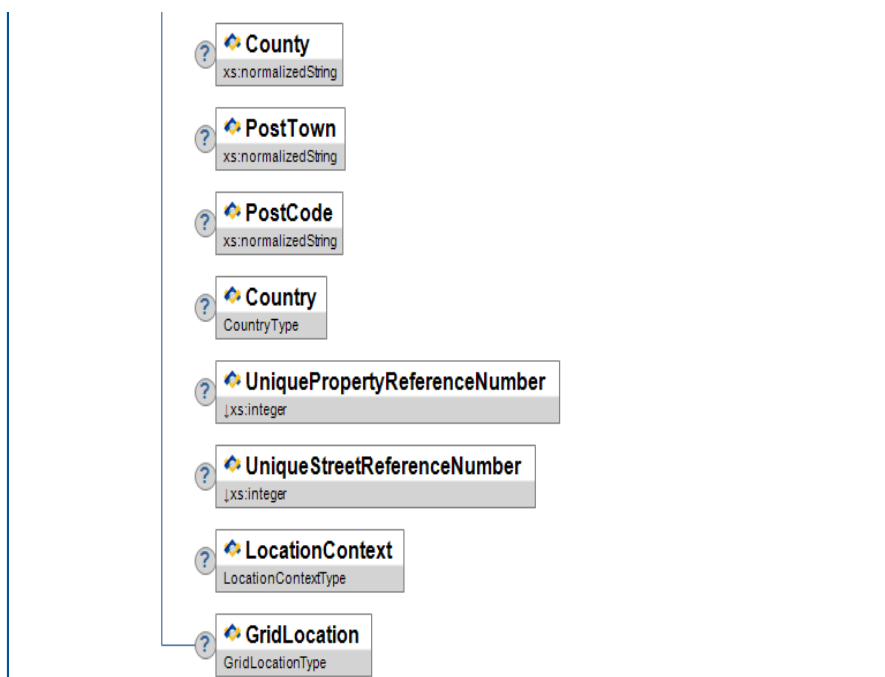


Figure 3.2.1-1: Address

Element/@Attribute	Char	Description	Type
Address		This element contains address data, some of which is defined by the BS7666 International Address and Geographic Location Specification. Other elements are present for support of international addresses. Applications storing address information in the traditional line format must translate this information into the appropriate data elements below.	
@ Type	M	Code that defines the address type.	values: Current Mailing Transportation Previous Other
LocalId	O	The locally assigned identifier for this address in the publishing system.	xs:normalizedString
StartDate	O	Date person began using this address.	xs:date
EndDate	O	Date person stopped using this address.	xs:date
PAON	M	An element defining the Primary Addressable Object Name (PAON), typically a building number or house name.	
PAON/Description	C	Dwelling name, or at least a general description of the location in lieu of having any other information. This is required when no other PAON information is provided.	xs:normalizedString
PAON/StartNumber	O	Start (single) dwelling number.	xs:normalizedString
PAON/StartNumberSuffix	O	Start (single) dwelling number suffix.	xs:normalizedString
PAON/EndNumber	O	End dwelling number.	xs:normalizedString
PAON/EndNumberSuffix	O	End dwelling number suffix.	xs:normalizedString
SAON	O	The Secondary Addressable Object Name (SAON), identifying a sub-division of the PAON, typically a flat number, room number or unit in a commercial property.	
SAON/Description	C	Sub-dwelling name, or other descriptive information in lieu of having any other information. This is required when no other SAON data is provided.	xs:normalizedString
SAON/StartNumber	O	Start (single) dwelling number.	xs:normalizedString
SAON/StartNumberSuffix	O	Start (single) dwelling number suffix.	xs:normalizedString
SAON/EndNumber	O	End dwelling number.	xs:normalizedString
SAON/EndNumberSuffix	O	End dwelling number suffix.	xs:normalizedString
Street	O	The name of the street.	xs:normalizedString
Locality	C	The locality name refers to a neighbourhood, suburb, district, village, estate, settlement, or parish that may form part of a town, or stand in its own right within the context of an administrative area. Where an industrial estate contains streets it is defined as a locality in its own right. At least one of Locality, Town, or AdministrativeArea must be specified.	xs:normalizedString
Town	C	The city name refers to a city or town that is not an administrative area, a suburb of an administrative area that does not form part of another town or a London district. At least one of Locality, Town, or AdministrativeArea must be specified.	xs:normalizedString
AdministrativeArea	C	The administrative area is a geographic area that may be the highest level local administrative area, and may be a county or a unitary authority, an island or island group, or London. At least one of Locality, Town, or AdministrativeArea must be specified.	xs:normalizedString
County	O	Where applicable, the name of the county.	xs:normalizedString

Element/@Attribute	Char	Description	Type
PostTown	O	Post Office usually assigns these based on Sorting Office.	xs:normalizedString
PostCode	O	The code allocated by the Post Office (within GBR) to identify a group of postal delivery points. Valid Postcode formats are: A9 9AA A99 9AA AA9 9AA AA99 9AA A9A 9AA AA9A 9AA Plus BFPO 999	xs:normalizedString
Country	O	Country where physical address is located, if known. Usually this is going to be 'GBR' but could be outside the UK.	Country
UniquePropertyReferenceNumber	O	The unique Property and Land Reference Number (UPRN) for this address. Numeric: 1 to 12 digits.	xs:integer xs:minInclusive 0 xs:maxInclusive 999999999999
UniqueStreetReferenceNumber	O	The unique Property Street Reference Number (USRN) for this address. Numeric: 1 to 8 digits.	xs:integer xs:minInclusive 0 xs:maxInclusive 99999999
LocationContext	O	The physical location of an address in terms of Census District, LA Electoral Ward, Parliamentary Constituency, and other defining location-centric characteristics.	LocationContext
GridLocation	O	The physical property location coordinates.	GridLocation

Table 3.2.1-1: Address

```

<Address Type="Current">
  <StartDate>2004-10-06</StartDate>
  <PAON>
    <Description>Merion House</Description>
    <StartNumber>42</StartNumber>
    <EndNumber>46</EndNumber>
  </PAON>
  <SAON>
    <StartNumber>2</StartNumber>
    <StartNumberSuffix>B</StartNumberSuffix>
  </SAON>
  <Street>Guildford Road</Street>
  <Locality>Knaphill</Locality>
  <Town>Woking</Town>
  <AdministrativeArea>Surrey</AdministrativeArea>
  <County>Surrey</County>
  <PostCode>GU22 7QF</PostCode>
  <Country>GBR</Country>
  <UniquePropertyReferenceNumber>38711462427</UniquePropertyReferenceNumber>
  <UniqueStreetReferenceNumber>1124805</UniqueStreetReferenceNumber>
  <LocationContext>
    <WardCode>43UMGB</WardCode>
    <WardName>Knaphill</WardName>
  </LocationContext>
  <GridLocation>
    <PropertyEasting>500431.3</PropertyEasting>
    <PropertyNorthing>158413.1</PropertyNorthing>
    <Latitude>41.850000</Latitude>
    <Longitude>-87.650000</Longitude>
  </GridLocation>
</Address>

```

Example 3.2.1-1: Address

3.2.2 AddressList

A list of Address elements.

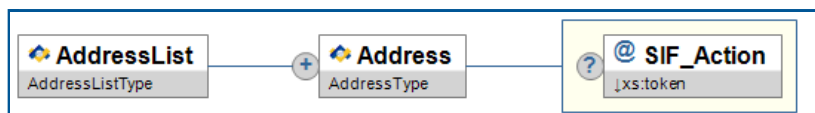


Figure 3.2.2-1: AddressList

Element/@Attribute	Char	Description	Type
AddressList		A list of Address elements.	ActionList (Address/@Type)
Address	MR		Address
@ SIF_Action	O	In a Change event, this flag can be used to indicate an element has been deleted from the parent list container. At a minimum the key for the list must also be present.	values: Delete

Table 3.2.2-1: AddressList

```

<AddressList>
  <Address Type="Current">
    <StartDate>2004-10-06</StartDate>
    <PAON>
      <Description>Merion House</Description>
      <StartNumber>42</StartNumber>
      <EndNumber>46</EndNumber>
    </PAON>
    <SAON>
      <StartNumber>2</StartNumber>
      <StartNumberSuffix>B</StartNumberSuffix>
    </SAON>
    <Street>Guildford Road</Street>
    <Locality>Knaphill</Locality>
    <Town>Woking</Town>
    <AdministrativeArea>Surrey</AdministrativeArea>
    <County>Surrey</County>
    <PostCode>GU22 7QF</PostCode>
    <Country>GBR</Country>
    <UniquePropertyReferenceNumber>38711462427</UniquePropertyReferenceNumber>
    <UniqueStreetReferenceNumber>1124805</UniqueStreetReferenceNumber>
    <LocationContext>
      <WardCode>43UMGB</WardCode>
      <WardName>Knaphill</WardName>
    </LocationContext>
    <GridLocation>
      <PropertyEasting>500431.3</PropertyEasting>
      <PropertyNorthing>158413.1</PropertyNorthing>
      <Latitude>41.850000</Latitude>
      <Longitude>-87.650000</Longitude>
    </GridLocation>
  </Address>
</AddressList>

```

Example 3.2.2-1: AddressList

3.2.3 ContactList

A list of contact persons associated with a school or LA.

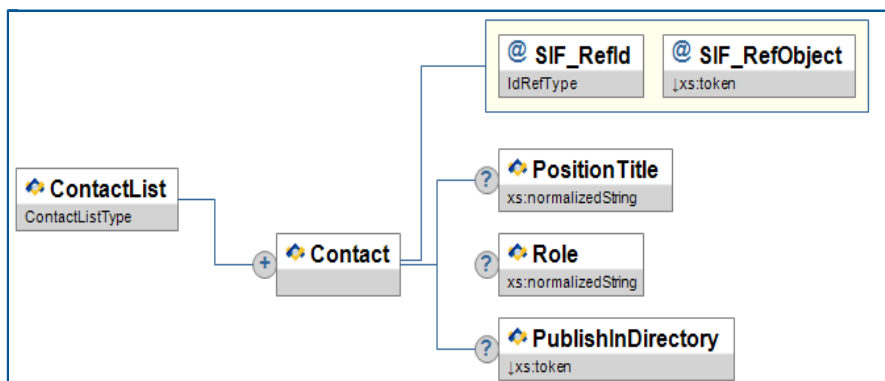


Figure 3.2.3-1: ContactList

Element/@Attribute	Char	Description	Type
ContactList		A list of contact persons associated with a school or LA.	
Contact	MR	Information for a single contact.	
@ SIF_RefId	M	The ID (GUID) of the person listed as a contact. Note that this is any person listed as a contact through either a ContactPersonal, WorkforcePersonal, or even a LearnerPersonal record.	IdRefType
@ SIF_RefObject	M	The object type being referred to.	values: WorkforcePersonal ContactPersonal LearnerPersonal
Contact/PositionTitle	O	The contact person's position title within the school or LA.	xs:normalizedString
Contact/Role	O	Role played by this contact in the school or LA. Any descriptive text is allowed here.	xs:normalizedString
Contact/PublishInDirectory	O	Indicates whether or not this contact's information should be published in a directory of school or LA information.	values: Yes No

Table 3.2.3-1: ContactList

```

<ContactList>
  <Contact SIF_RefId="92E50229EC3911DBA762000E0CA41EF3" SIF_RefObject="ContactPersonal">
    <PositionTitle>Resource Teacher</PositionTitle>
    <Role>Works with learning disabled pupils</Role>
    <PublishInDirectory>Yes</PublishInDirectory>
  </Contact>
</ContactList>

```

Example 3.2.3-1: ContactList

3.2.4 Country

The 3-character alphabetic country code defined by ISO 3166-1. Given this code all other code and name information can be obtained directly from the standard.



Figure 3.2.4-1: Country

Element/@Attribute	Char	Description	Type
Country		The 3-character alphabetic country code defined by ISO 3166-1. Given this code all other code and name information can be obtained directly from the standard.	TeachernetNationStatesAndCountriesType

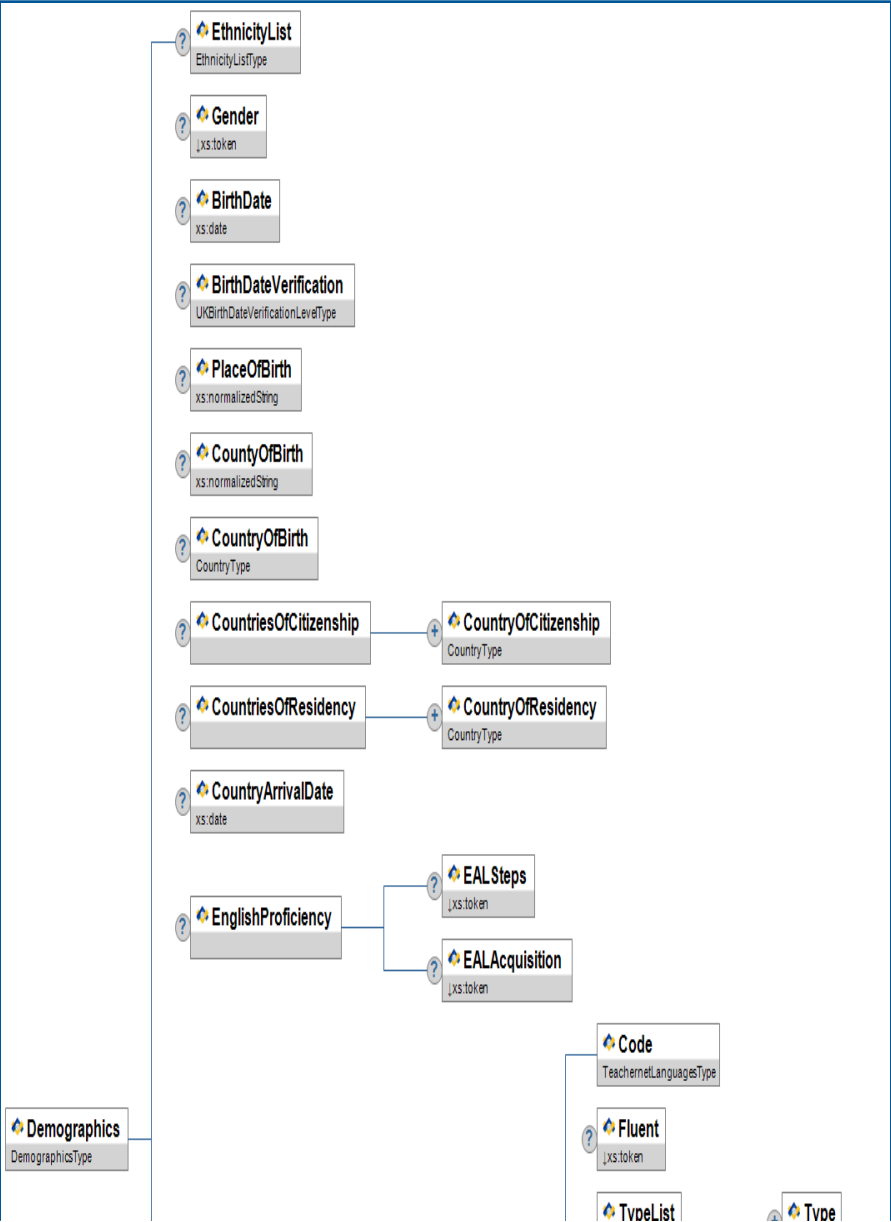
Table 3.2.4-1: Country

```
<Country>GBR</Country>
```

Example 3.2.4-1: Country

3.2.5 Demographics

Demographic information about a learner, contact, workforce member, etc. This element occurs within objects such as LearnerPersonal, LearnerContact, etc.



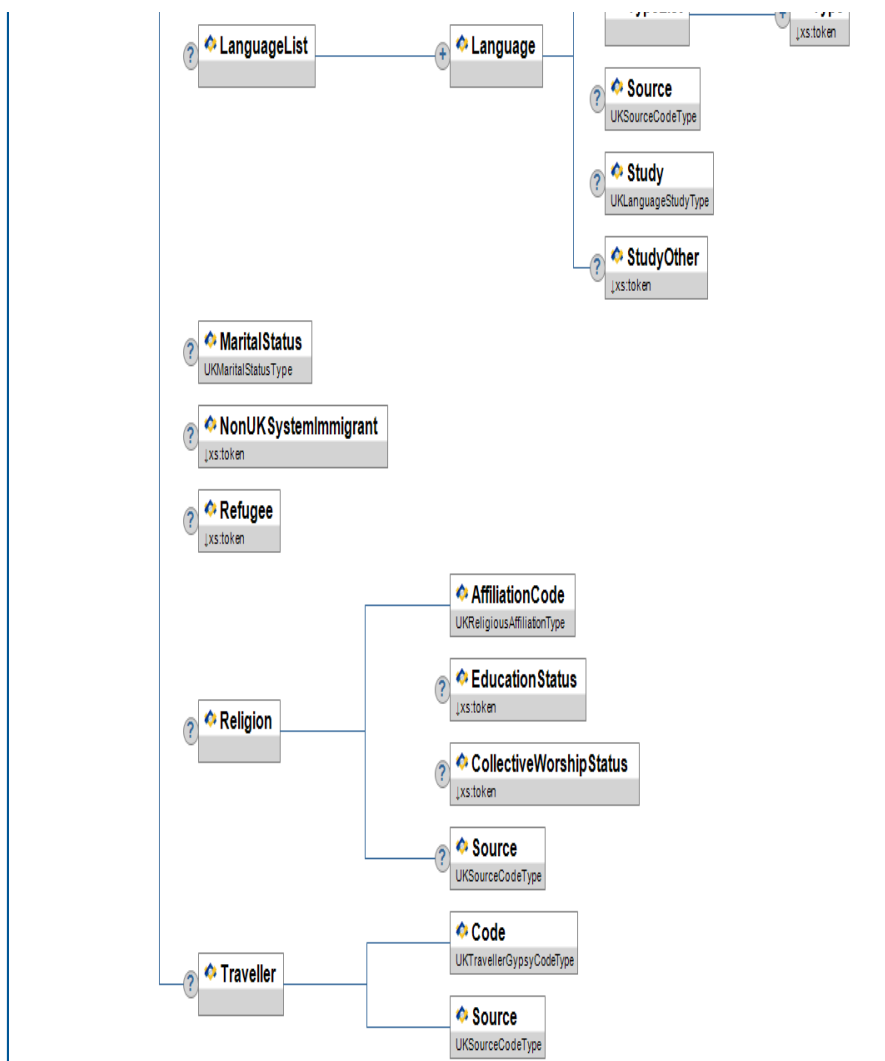


Figure 3.2.5-1: Demographics

Element/@Attribute	Char	Description	Type
Demographics		Demographic information about a learner, contact, workforce member, etc. This element occurs within objects such as LearnerPersonal, LearnerContact, etc.	
EthnicityList	O	A list of the person's ethnicities by proportion.	EthnicityList
Gender	O	Person's gender.	values: M Male F Female U Unknown W Withheld
BirthDate	C	The person's date of birth. Required for learners. Optional for others.	xs:date
BirthDateVerification	O	Means by which the person's birth date was validated.	UKBirthDateVerificationLevelType
PlaceOfBirth	O	The person's place of birth--like village, town, city etc.	xs:normalizedString
CountyOfBirth	O	The county in which the person was born.	xs:normalizedString
CountryOfBirth	O	The individual's country of birth.	Country
CountriesOfCitizenship	O	A list of the countries in which this person has legal nationality.	
CountriesOfCitizenship/CountryOfCitizenship	MR	The country of legal nationality (i.e. the country which issued the individual's passport).	Country
CountriesOfResidency	O	A list of countries in which this person has residency status.	
CountriesOfResidency/CountryOfResidency	MR	A person's country of residence.	Country
CountryArrivalDate	O	Date the person first arrived in the UK.	xs:date
EnglishProficiency	O	Assessment of a learner's progress in English as an Additional Language.	

Element/@Attribute	Char	Description	Type
EnglishProficiency/EALSteps	O	Based on QCA Steps. (England)	values: S1 Step 1 S2 Step 2 1T Level 1 Threshold 1S Level 1 Secure
EnglishProficiency/EALAcquisition	O	Based on a differing scale from QCA Steps. (Wales)	values: A New to English B Early Acquisition C Developing Competence D Compentent E Fluent 0 Not applicable
LanguageList	O	A list of languages spoken by the person The person must be at least somewhat familiar with the language to have it listed here.	
LanguageList/Language	MR		
LanguageList/Language/Code	M	This is the code that specifies the person's language.	TeachernetLanguagesType
LanguageList/Language/Fluent	O	Indicates that the person is fluent in this language.	values: Yes No
LanguageList/Language/TypeList	M	A list of the person's language types.	List
LanguageList/Language/TypeList/Type	MR	A typification of the language. i.e. how is this language used?	values: C Correspondence Language F First Language M Multiple First Language H Home T Tuition S Second Language
LanguageList/Language/Source	O	Source of data on use of the specified language.	UKSourceCodeType
LanguageList/Language/Study	O	The level in which the learner is taught this language at school.	UKLanguageStudyType
LanguageList/Language/StudyOther	O	Indicates whether the learner studies subjects in this language at school separate from studying the language itself.	values: Yes No
MaritalStatus	O	The person's marital status.	UKMaritalStatusType
NonUKSystemImmigrant	O	Indicates the learner has recently arrived from a non-English or other common UK language system. (Wales)	values: Yes No
Refugee	O	Indicates the person's refugee/asylum seeker status as defined by the United Nations (Article 1 of the 1951 Refugee Convention).	values: Yes No
Religion	O	Definition of a person's religious faith.	
Religion/AffiliationCode	M	Person's religious faith.	UKReligiousAffiliationType
Religion/EducationStatus	O	Indicates whether the person is actively attending religious education classes.	values: A Attends W Withdrawn
Religion/CollectiveWorshipStatus	O	Indicates whether the person is participating in religious collective worship.	values: A Attends W Withdrawn
Religion/Source	O	Source of person's religious affiliation code.	UKSourceCodeType
Traveller	O	Identifying information for traveller/gypsy status.	
Traveller/Code	M	Code to identify type of traveller/gypsy.	UKTravellerGypsyCodeType
Traveller/Source	M	Source of individual's recorded traveller/gypsy code.	UKSourceCodeType

Table 3.2.5-1: Demographics

```

<Demographics>
  <EthnicityList>
    <Ethnicity>
      <Code>WIRI</Code>
      <Source>P</Source>
    </Ethnicity>
  </EthnicityList>
  <Gender>M</Gender>
  <BirthDate>1995-09-12</BirthDate>
  <BirthDateVerification>2</BirthDateVerification>
  <PlaceOfBirth>Leixlip</PlaceOfBirth>
  <CountyOfBirth>Kildare</CountyOfBirth>
  <CountryOfBirth>IRL</CountryOfBirth>
  <CountriesOfCitizenship>
    <CountryOfCitizenship>IRL</CountryOfCitizenship>
  </CountriesOfCitizenship>
  <CountriesOfResidency>
    <CountryOfResidency>GBR</CountryOfResidency>
  </CountriesOfResidency>
  <CountryArrivalDate>1992-06-28</CountryArrivalDate>
  <EnglishProficiency>
    <EALSteps>S2</EALSteps>
  </EnglishProficiency>
  <LanguageList>
    <Language>
      <Code>ENG</Code>
      <Fluent>Yes</Fluent>
      <TypeList>
        <Type>M</Type>
        <Type>H</Type>
        <Type>C</Type>
      </TypeList>
      <Source>P</Source>
      <Study>1</Study>
      <StudyOther>No</StudyOther>
    </Language>
    <Language>
      <Code>GAE</Code>
      <Fluent>Yes</Fluent>
      <TypeList>
        <Type>M</Type>
      </TypeList>
      <Source>P</Source>
      <Study>4</Study>
      <StudyOther>No</StudyOther>
    </Language>
  </LanguageList>
  <MaritalStatus>S</MaritalStatus>
  <NonUKSystemImmigrant>No</NonUKSystemImmigrant>
  <Refugee>No</Refugee>
  <Religion>
    <AffiliationCode>CE</AffiliationCode>
    <EducationStatus>W</EducationStatus>
    <CollectiveWorshipStatus>A</CollectiveWorshipStatus>
    <Source>P</Source>
  </Religion>
  <Traveller>
    <Code>NT</Code>
    <Source>P</Source>
  </Traveller>
</Demographics>

```

Example 3.2.5-1: Demographics

3.2.6 EducationFilter

Based on feedback from publishers, instructional management and system integrator vendors, `EducationFilter` was developed to provide the ability to tag objects with metadata that allows for categorization, sorting, and filtering, to empower teaching and learning SIF usage. There exist two main business cases:

-  Content providers receiving a request for learning resources can tag content with applicable filters. Upon receipt of SIF objects, receiving application can then read the metadata to categorize the content most appropriately.
-  When supported by providers, this metadata can then be utilized in queries to more precisely limit the type of content returned to requesting applications.

The use cases for `EducationFilter` require a contract and choreography to be understood between both sides of the transaction as is the case with all `SIF_Metadata`.

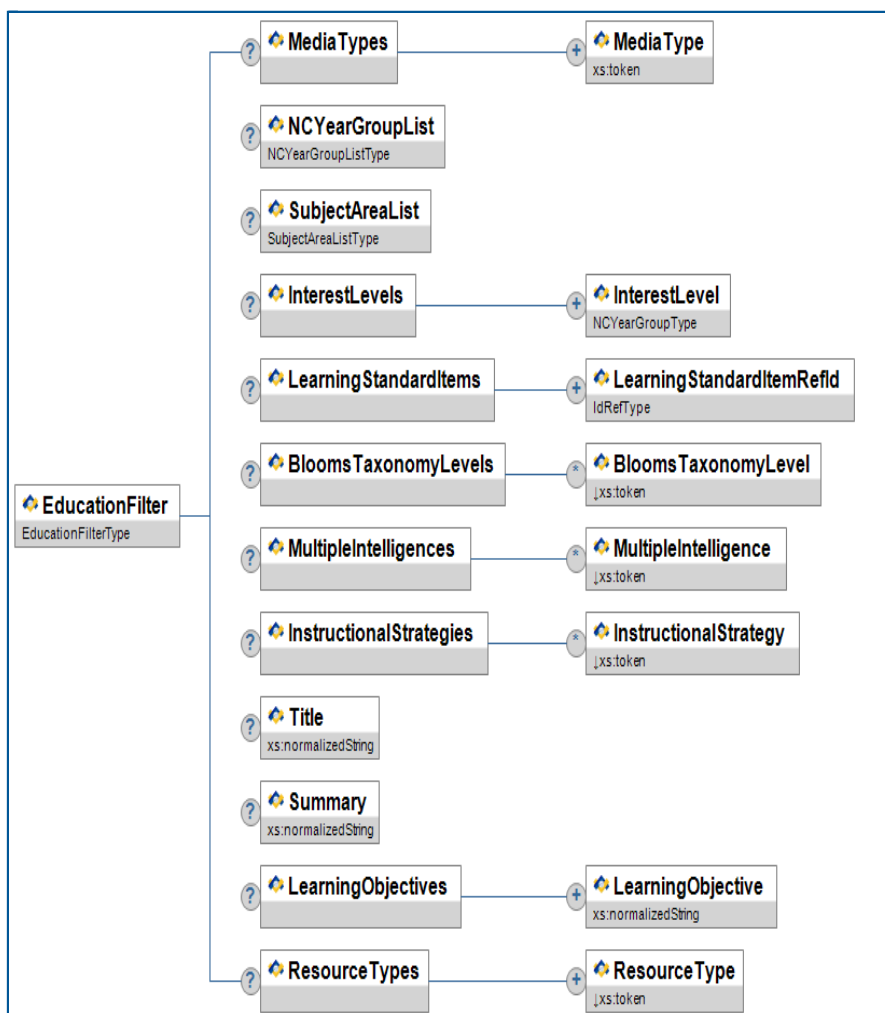


Figure 3.2.6-1: EducationFilter

Element/@Attribute	Char	Description	Type
EducationFilter			
MediaTypes	O	Allows an object or query to be tagged with MIME types.	List
MediaTypes/MediaType	MR		xs:token
NCYearGroupList	O	Applicable National Curriculum (NC) Year Group.	NCYearGroupList
SubjectAreaList	O	This allows subject areas to be associated with an object or query. Although there could be overlap with LearningStandardItems, it is anticipated there will be use cases where LearningStandardItem objects may not exist or may not be available, and data may need to be tagged with high-level subject areas.	SubjectAreaList
InterestLevels	O	InterestLevels is designed to represent the NC Year Group for which the content is created. For example a year-10 learner is at a year-3 level in Algebra. You would want to present the content at year-3 level, but in a year-10 context or interest level.	List
InterestLevels/InterestLevel	MR		NCYearGroup
LearningStandardItems	O	Allows any SIF object to be correlated to learning standards.	List
LearningStandardItems/LearningStandardItemRefId	MR		IdRefType
BloomsTaxonomyLevels	O	This is a taxonomy of educational objectives based on three "domains:" Affective, Psychomotor, and Cognitive. For the purposes of assigning attributes to learning resources, the SIF specification is limited to the cognitive domain, including knowledge, comprehension, application, analysis, synthesis and evaluation.	List
BloomsTaxonomyLevels/BloomsTaxonomyLevel	OR		values: Knowledge Comprehension Application Analysis Synthesis Evaluation

Element/@Attribute	Char	Description	Type
MultipleIntelligences	O	An educational theory that describes at least eight different kinds of "intelligences." These include linguistic, logical-mathematical, spatial, bodily-kinesthetic, musical intelligence, interpersonal, intrapersonal and naturalist.	List
MultipleIntelligences/MultipleIntelligence	OR		values: Linguistic Logical-Mathematical Spatial Musical Bodily-Kinesthetic Interpersonal Intrapersonal Naturalist
InstructionalStrategies	O	The various ways that instruction is delivered to achieve learning objectives and concepts.	List
InstructionalStrategies/InstructionalStrategy	OR		values: Lecture Online Discussion Cooperative Group Scenario Demonstration/Lab Self-study Problem-Based Learning Project Other
Title	O	The title of the content.	xs:normalizedString
Summary	O	A summary of the content.	xs:normalizedString
LearningObjectives	O	Description of learning objective(s) for this lesson, i.e., "Student will be able to use Pythagorean Theorem."â€”equates to 'benchmark' or 'goal' or other terminology	List
LearningObjectives/LearningObjective	MR		xs:normalizedString
ResourceTypes	O	Type of resource	List
ResourceTypes/ResourceType	MR		values: Supplemental Resource Remedial Resource Core Instructional Resource Assessment Other

Table 3.2.6-1: EducationFilter

```

<EducationFilter>
  <MediaTypes>
    <MediaType>x-application/pdf</MediaType>
  </MediaTypes>
  <NCYearGroupList>
    <NCYearGroup>10</NCYearGroup>
  </NCYearGroupList>
  <SubjectAreaList>
    <SubjectArea>MAT</SubjectArea>
    <SubjectArea>LIF</SubjectArea>
  </SubjectAreaList>
  <InterestLevels>
    <InterestLevel>3</InterestLevel>
  </InterestLevels>
  <LearningStandardItems>
    <LearningStandardItemRefId>502070339FA347B5B123BEF68D118332</LearningStandardItemRefId>
  </LearningStandardItems>
  <BloomsTaxonomyLevels>
    <BloomsTaxonomyLevel>Analysis</BloomsTaxonomyLevel>
  </BloomsTaxonomyLevels>
  <MultipleIntelligences>
    <MultipleIntelligence>Logical-Mathematical</MultipleIntelligence>
  </MultipleIntelligences>
  <InstructionalStrategies>
    <InstructionalStrategy>Self-study</InstructionalStrategy>
  </InstructionalStrategies>
</EducationFilter>

```

Example 3.2.6-1: EducationFilter - Example 1

```

<EducationFilter>
  <MediaTypes>
    <MediaType>x-application/pdf</MediaType>
  </MediaTypes>
  <NCYearGroupList>
    <NCYearGroup>10</NCYearGroup>
  </NCYearGroupList>
  <SubjectAreaList>
    <SubjectArea>MAT</SubjectArea>
    <SubjectArea>LIF</SubjectArea>
  </SubjectAreaList>
  <InterestLevels>
    <InterestLevel>3</InterestLevel>
  </InterestLevels>
  <LearningStandardItems>
    <LearningStandardItemRefId>502070339FA347B5B123BEF68D118332</LearningStandardItemRefId>
  </LearningStandardItems>
  <BloomsTaxonomyLevels>
    <BloomsTaxonomyLevel>Application</BloomsTaxonomyLevel>
  </BloomsTaxonomyLevels>
  <MultipleIntelligences>
    <MultipleIntelligence>Logical-Mathematical</MultipleIntelligence>
  </MultipleIntelligences>
  <InstructionalStrategies>
    <InstructionalStrategy>Self-study</InstructionalStrategy>
  </InstructionalStrategies>
  <Title>Geometry in Our World</Title>
  <Summary>This content provides initial definitions and instruction for line symmetry and various shapes. The students will initially learn the c
  <LearningObjectives>
    <LearningObjective>
      The student will be able to identify and draw figures with symmetry.
    </LearningObjective>
  </LearningObjectives>
  <ResourceTypes>
    <ResourceType>Supplemental Resource</ResourceType>
  </ResourceTypes>
</EducationFilter>

```

Example 3.2.6-2: EducationFilter - Example 2

3.2.7 ElectronicId

Common element used to specify entity identifiers that are read by electronic equipment. It is used in objects such as LearnerPersonal, StaffPersonal, and LibraryPatronStatus.

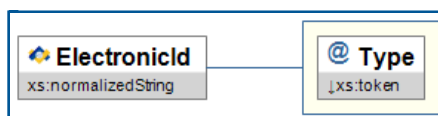


Figure 3.2.7-1: ElectronicId

Element/@Attribute	Char	Description	Type
ElectronicId		Common element used to specify entity identifiers that are read by electronic equipment. It is used in objects such as LearnerPersonal, StaffPersonal, and LibraryPatronStatus.	xs:normalizedString
@ Type	M	Electronic ID type.	values: Barcode Magstripe PIN RFID

Table 3.2.7-1: ElectronicId

```
<ElectronicId Type="Barcode">206654</ElectronicId>
```

Example 3.2.7-1: ElectronicId

3.2.8 ElectronicIdList

A list of electronic identifiers associated with an entity.



Figure 3.2.8-1: ElectronicIdList

Element/@Attribute	Char	Description	Type
--------------------	------	-------------	------

Element/@Attribute	Char	Description	Type
Element/@Attribute	Char	Description	Type
ElectronicIdList		A list of electronic identifiers associated with an entity.	List
ElectronicId	MR		ElectronicId

Table 3.2.8-1: ElectronicIdList

```
<ElectronicIdList>
  <ElectronicId Type="Barcode">206654</ElectronicId>
  <ElectronicId Type="PIN">9823</ElectronicId>
</ElectronicIdList>
```

Example 3.2.8-1: ElectronicIdList

3.2.9 Email

This element represents an e-mail address of one of a number of types.

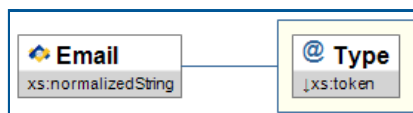


Figure 3.2.9-1: Email

Element/@Attribute	Char	Description	Type
Email		This element represents an e-mail address of one of a number of types.	xs:normalizedString
@ Type	M	This attribute specifies the type of e-mail address.	values: Business Personal School Alternate1 Alternate2 Alternate3 Alternate4

Table 3.2.9-1: Email

```
<Email Type="School">contact@uk.sifinfo.org</Email>
```

Example 3.2.9-1: Email

3.2.10 EmailList

A list of e-mail addresses associated with an individual.

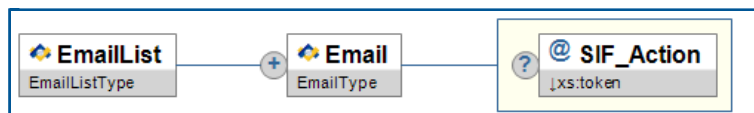


Figure 3.2.10-1: EmailList

Element/@Attribute	Char	Description	Type
EmailList		A list of e-mail addresses associated with an individual.	ActionList (Email/@Type)
Email	MR		Email
@ SIF_Action	O	In a Change event, this flag can be used to indicate an element has been deleted from the parent list container. At a minimum the key for the list must also be present.	values: Delete

Table 3.2.10-1: EmailList

```
<EmailList>
  <Email Type="School">contact@uk.sifinfo.org</Email>
  <Email Type="Personal">someone@anothersite.com</Email>
</EmailList>
```

Example 3.2.10-1: EmailList

3.2.11 EstablishmentId

The DFES assigned identifier for a school or other educational establishment. The list of all known Establishment ID's is extensive and available online.



Figure 3.2.11-1: EstablishmentId

Element/@Attribute	Char	Description	Type
EstablishmentId		The DFES assigned identifier for a school or other educational establishment. The list of all known Establishment ID's is extensive and available online.	xs:token

Table 3.2.11-1: EstablishmentId

3.2.12 EthnicityList

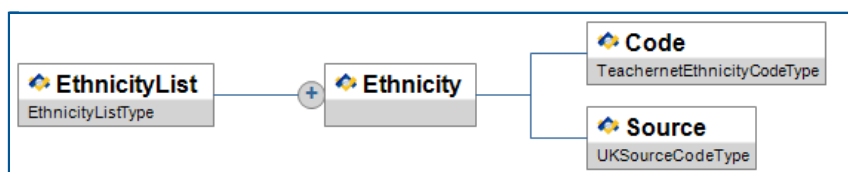


Figure 3.2.12-1: EthnicityList

Element/@Attribute	Char	Description	Type
EthnicityList			
Ethnicity	MR		
Ethnicity/Code	M	The general ethnic category which reflects the individual's recognition of his or her community or with which the individual most identifies.	TeachernetEthnicityCodeType
Ethnicity/Source	M	Source of individual's recorded ethnic code.	UKSourceCodeType

Table 3.2.12-1: EthnicityList

3.2.13 FirstName

A person's first name.

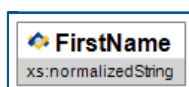


Figure 3.2.13-1: FirstName

Element/@Attribute	Char	Description	Type
FirstName		A person's first name.	xs:normalizedString

Table 3.2.13-1: FirstName

```
<FirstName>Mark</FirstName>
```

Example 3.2.13-1: FirstName

3.2.14 GridLocation

This element contains a map location. The GridLocation element is utilised within other objects and elements.

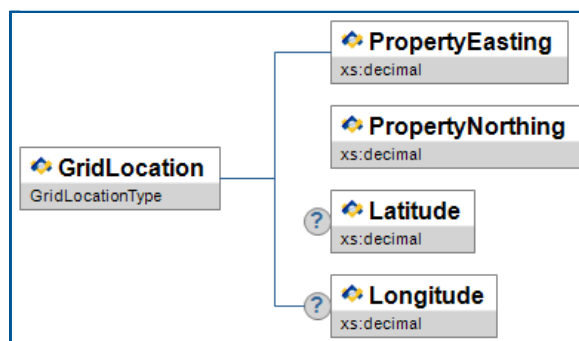


Figure 3.2.14-1: GridLocation

Element/@Attribute	Char	Description	Type
GridLocation		This element contains a map location. The GridLocation element is utilised within other objects and elements.	
PropertyEasting	M	Easting coordinate format.	xs:decimal
PropertyNorthing	M	Northing coordinate for mapping an address. Required when PropertyEasting is also specified. This is best represented in a 7.1 format.	xs:decimal
Latitude	O	Geographical coordinate.	xs:decimal
Longitude	C	Geographical coordinate. Required when Latitude is also specified.	xs:decimal

Table 3.2.14-1: GridLocation

```

<GridLocation>
  <PropertyEasting>500431.3</PropertyEasting>
  <PropertyNorthing>158413.1</PropertyNorthing>
  <Latitude>41.850000</Latitude>
  <Longitude>-87.650000</Longitude>
</GridLocation>
  
```

Example 3.2.14-1: GridLocation

3.2.15 LAId

The 3-digit number assigned to the LA by the DfES.

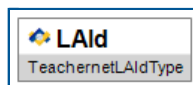


Figure 3.2.15-1: LAId

Element/@Attribute	Char	Description	Type
LAId		The 3-digit number assigned to the LA by the DfES.	TeacherNetLAIdType

Table 3.2.15-1: LAId

```

<LAId>936</LAId>
  
```

Example 3.2.15-1: LAId

3.2.16 LAName

The official name of the LA.



Figure 3.2.16-1: LAName

Element/@Attribute	Char	Description	Type
LAName		The official name of the LA.	TeacherNetLANameType

Table 3.2.16-1: LAName

```

<LAName>SURREY</LAName>
  
```

Example 3.2.16-1: LAName

3.2.17 LastName

A person's last name.

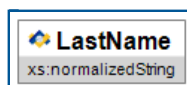


Figure 3.2.17-1: LastName

Element/@Attribute	Char	Description	Type
LastName		A person's last name.	xs:normalizedString

Table 3.2.17-1: LastName

```
<LastName>Wesson</LastName>
```

Example 3.2.17-1: LastName

3.2.18 LifeCycle

This common metadata element describes the life cycle of the object it represents, based on the IEEE LOM LifeCycle element [LOM].

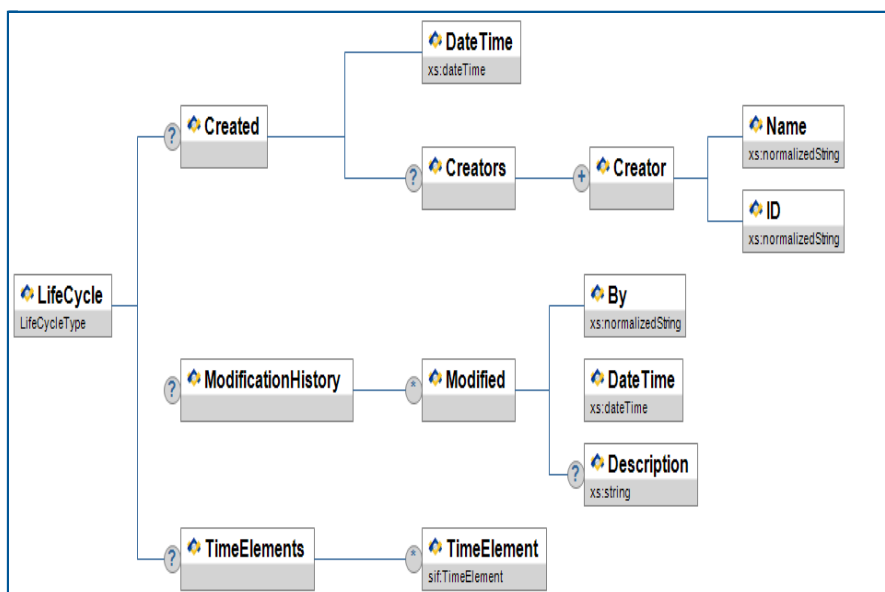


Figure 3.2.18-1: LifeCycle

Element/@Attribute	Char	Description	Type
LifeCycle		This common metadata element describes the life cycle of the object it represents, based on the IEEE LOM LifeCycle element [LOM].	
Created	O	When the object was created by whom. This is a more persistent creation date than the date/time in the object's SIF_Header. Depending on the use case being implemented, this value could contain the date the data in the object first entered the zone or was actually created.	
Created/DateTime	M		xs:dateTime
Created/Creators	O		List
Created/Creators/Creator	MR		
Created/Creators/Creator/Name	M	Human-readable name of the data's creator. If the object contains system-generated data, the name should identify the creating service or application.	xs:normalizedString
Created/Creators/Creator/ID	M	Unique identifier of the creator. An email address or URI could be used here.	xs:normalizedString

Element/@Attribute	Char	Description	Type
ModificationHistory	O	An ordered set of <i>Modified</i> elements describing which system modified the data, when the modification took place, and a brief description of the modification.	List
ModificationHistory/Modified	OR	A single modification event.	
ModificationHistory/Modified/By	M	Identifier of the system or person that modified the data.	xs:normalizedString
ModificationHistory/Modified/DateTime	M	The date/time the modification occurred.	xs:dateTime
ModificationHistory/Modified/Description	O	Human readable description of the data modifications.	xs:string
TimeElements	O		List
TimeElements/TimeElement	OR		TimeElement

Table 3.2.18-1: LifeCycle

```

<LifeCycle>
  <Created>
    <DateTime>2006-08-13T09:00:00-05:00</DateTime>
    <Creators>
      <Creator>
        <Name>Alphonse Berdonosi</Name>
        <ID>http://www.edugeeks.com/aberdonosi</ID>
      </Creator>
    </Creators>
  </Created>
  <ModificationHistory>
    <Modified>
      <By>http://www.edugeeks.com/aberdonosi</By>
      <DateTime>2006-08-17T09:30:00-05:00</DateTime>
    </Modified>
  </ModificationHistory>
</LifeCycle>

```

Example 3.2.18-1: LifeCycle

3.2.19 LocalId

This is a common element used to define the locally assigned identifier associated with an entity. It is used in LearnerPersonal, WorkforcePersonal, SchoolInfo, and other objects.

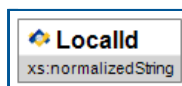


Figure 3.2.19-1: LocalId

Element/@Attribute	Char	Description	Type
LocalId		This is a common element used to define the locally assigned identifier associated with an entity. It is used in LearnerPersonal, WorkforcePersonal, SchoolInfo, and other objects.	xs:normalizedString

Table 3.2.19-1: LocalId

```
<LocalId>123321A</LocalId>
```

Example 3.2.19-1: LocalId

3.2.20 LocationContext

The physical location of an address in terms of Census District, LA Electoral Ward, Parliamentary Constituency, and other defining location-centric characteristics.

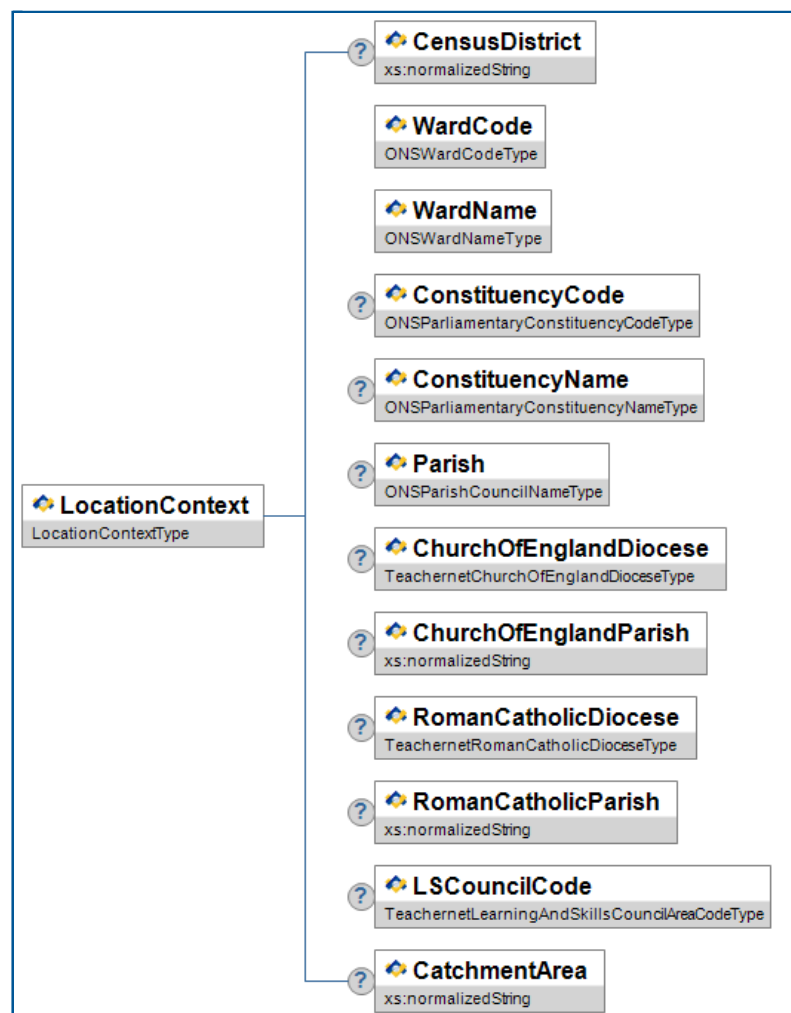


Figure 3.2.20-1: LocationContext

Element/@Attribute	Char	Description	Type
LocationContext		The physical location of an address in terms of Census District, LA Electoral Ward, Parliamentary Constituency, and other defining location-centric characteristics.	
CensusDistrict	O	National Population Census Enumeration District.	xs:normalizedString
WardCode	M	ONS Ward Code	ONSWardCodeType
WardName	M	ONS Ward Name	ONSWardNameType
ConstituencyCode	O	ONS Parliamentary Constituency Code	ONSParliamentaryConstituencyCodeType
ConstituencyName	O	ONS Parliamentary Constituency Name	ONSParliamentaryConstituencyNameType
Parish	O	ONS Parish Council Name	ONSParishCouncilNameType
ChurchOfEnglandDiocese	O	Church of England Diocese Code	TeachernetChurchOfEnglandDioceseType
ChurchOfEnglandParish	O	Church of England Parish Code	xs:normalizedString
RomanCatholicDiocese	O	Roman Catholic Diocese Code	TeachernetRomanCatholicDioceseType
RomanCatholicParish	O	Roman Catholic Parish	xs:normalizedString
LSCouncilCode	O	Learning and Skills Council area code	TeachernetLearningAndSkillsCouncilAreaCodeType
CatchmentArea	O	School catchment area description	xs:normalizedString

Table 3.2.20-1: LocationContext

```

<LocationContext>
  <CensusDistrict>43</CensusDistrict>
  <WardCode>43UMGB</WardCode>
  <WardName>Knaphill</WardName>
  <ConstituencyCode>516</ConstituencyCode>
  <ConstituencyName>Woking</ConstituencyName>
  <LSCouncilCode>SUR</LSCouncilCode>
  <CatchmentArea>Woking Knaphill</CatchmentArea>
</LocationContext>

```

Example 3.2.20-1: LocationContext

3.2.21 MiddleName

A person's middle name or initial.



Figure 3.2.21-1: MiddleName

Element/@Attribute	Char	Description	Type
MiddleName		A person's middle name or initial.	xs:normalizedString

Table 3.2.21-1: MiddleName

```
<MiddleName>Bartholomew</MiddleName>
```

Example 3.2.21-1: MiddleName

3.2.22 Name

The Name element defines name information for a person and occurs within the PersonalInformation element.

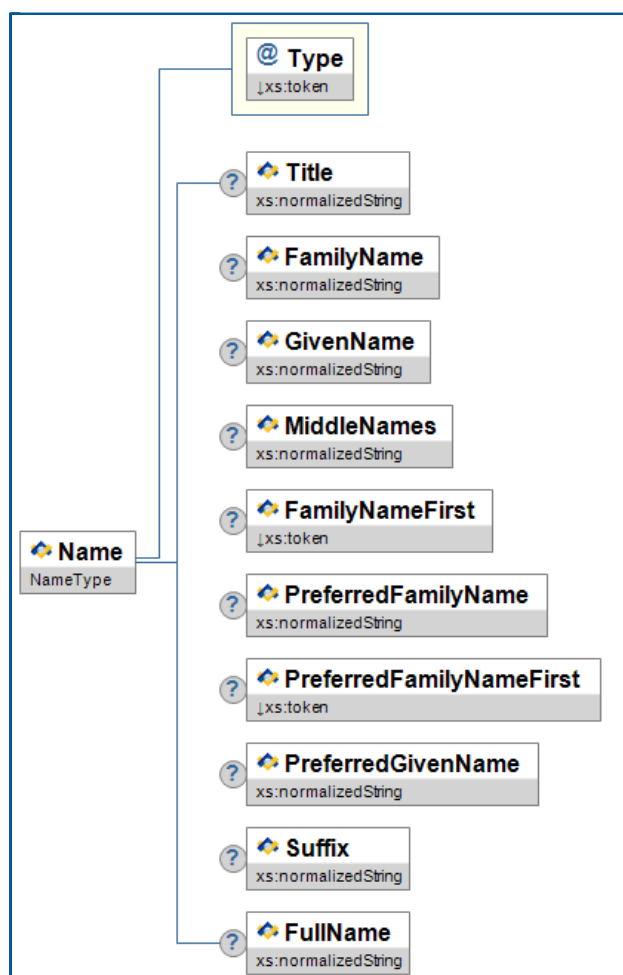


Figure 3.2.22-1: Name

Element/@Attribute	Char	Description	Type
Name		The Name element defines name information for a person and occurs within the PersonalInformation element.	

Element/@Attribute	Char	Description	Type
@ Type	M	Code that specifies what type of name this is.	values: B Birth name C Current Legal name A Alias / Alternative R Name of Record F Former Name M Married Name P Professional Name
Title	O	A title or prefix associated with the name. If any of: Mr, Mrs, Ms, Miss, Rev, Fr, Dr, Prof, Hon, Sir, Lord, Lady - these must be as shown, otherwise free text. Note that title is not applicable to learners.	xs:normalizedString
FamilyName	C	Full legal family name. That part of the person's name which is used to describe family, clan, tribal group, or marital association. Note that this element is always required. However, when associated with a contact it may not be possible to know the family name in which case you should add the available information to the FullName element.	xs:normalizedString
GivenName	C	Full given name (forename) of the person. Note that this element is always required. However, when associated with a contact it may not be possible to know the given name in which case you should add the available information to the FullName element.	xs:normalizedString
MiddleNames	O	All other given or middle names, each separated with a single space character.	xs:normalizedString
FamilyNameFirst	O	An indicator used to identify the naming conventions used by some predominantly non-European, ethnic or language groups and related to the display nature of a name.	values: Yes No
PreferredFamilyName	O	The family name preferred most by the person (as written).	xs:normalizedString
PreferredFamilyNameFirst	O	An indicator used to identify the naming conventions used by some predominantly non-European, ethnic or language groups and related to the display nature of a name.	values: Yes No
PreferredGivenName	O	The given name preferred most by the person (as written).	xs:normalizedString
Suffix	O	Textual suffix like PHD, JP, BSc.	xs:normalizedString
FullName	C	A free text field for the complete name for display purposes. If this is associated with a ContactPersonal record and the FamilyName and GivenName are not both specified, then this becomes mandatory.	xs:normalizedString

Table 3.2.22-1: Name

```

<Name Type="R">
  <Title />
  <FamilyName>Henriksen</FamilyName>
  <GivenName>Bjorn</GivenName>
  <MiddleNames>Pieter Johan</MiddleNames>
  <FamilyNameFirst>No</FamilyNameFirst>
  <PreferredFamilyName>Henriksen</PreferredFamilyName>
  <PreferredFamilyNameFirst>No</PreferredFamilyNameFirst>
  <PreferredGivenName>Johan</PreferredGivenName>
  <Suffix />
</Name>

```

Example 3.2.22-1: Name

3.2.23 NCYearGroup

Code representing a National Curriculum Year Group.

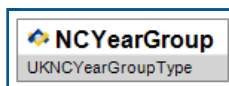


Figure 3.2.23-1: NCYearGroup

Element/@Attribute	Char	Description	Type
NCYearGroup		Code representing a National Curriculum Year Group.	UKNCYearGroupType

Table 3.2.23-1: NCYearGroup

```
<NCYearGroup>7</NCYearGroup>
```

Example 3.2.23-1: NCYearGroup

3.2.24 NCYearGroupList

This is a common element used to specify a collection of supported National Curriculum Year Groups. It is used in SchoolInfo and assessment-related objects.



Figure 3.2.24-1: NCYearGroupList

Element/@Attribute	Char	Description	Type
NCYearGroupList		This is a common element used to specify a collection of supported National Curriculum Year Groups. It is used in SchoolInfo and assessment-related objects.	List
NCYearGroup	MR	Code representing a National Curriculum year group.	NCYearGroup

Table 3.2.24-1: NCYearGroupList

```

<NCYearGroupList>
  <NCYearGroup>N1</NCYearGroup>
  <NCYearGroup>N2</NCYearGroup>
  <NCYearGroup>R</NCYearGroup>
  <NCYearGroup>1</NCYearGroup>
  <NCYearGroup>2</NCYearGroup>
  <NCYearGroup>3</NCYearGroup>
  <NCYearGroup>4</NCYearGroup>
  <NCYearGroup>5</NCYearGroup>
  <NCYearGroup>6</NCYearGroup>
  <NCYearGroup>7</NCYearGroup>
  <NCYearGroup>8</NCYearGroup>
  <NCYearGroup>9</NCYearGroup>
  <NCYearGroup>10</NCYearGroup>
  <NCYearGroup>11</NCYearGroup>
  <NCYearGroup>12</NCYearGroup>
  <NCYearGroup>13</NCYearGroup>
  <NCYearGroup>14</NCYearGroup>
</NCYearGroupList>
  
```

Example 3.2.24-1: NCYearGroupList

3.2.25 Period

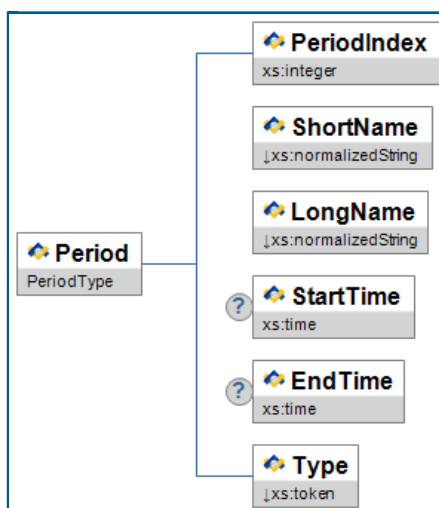


Figure 3.2.25-1: Period

Element/@Attribute	Char	Description	Type
Period			
PeriodIndex	M	Ordinal position of period within the day (1,2,3,etc)	xs:integer
ShortName	M	A short period label	xs:normalizedString xs:maxLength 5
LongName	M	A long period label	xs:normalizedString xs:maxLength 25
StartTime	O	Time the period starts	xs:time

Element/@Attribute	Char	Description	Type
EndTime	O	Time the period ends	<code>xs:time</code>
Type	M	What this period represents. Note that currently some programs represent registration, breaks and lunches as a "period" and some don't. This Type could differ from the lesson Type (see section C4) if this teacher is doing something in this period which differs from the majority of the school.	values: - T teaching period - R registration - B break - L lunch - O outside school hours (eg: clubs) - N other non-teaching - X 'unused' period (on a non-rectangular cycle)

Table 3.2.25-1: Period

Example 3.2.25-1: Period

3.2.26 PersonalInformation

This element contains basic personal and demographic information related to a person. This element is part of all "personal" objects, including LearnerPersonal, WorkforcePersonal, and ContactPersonal.

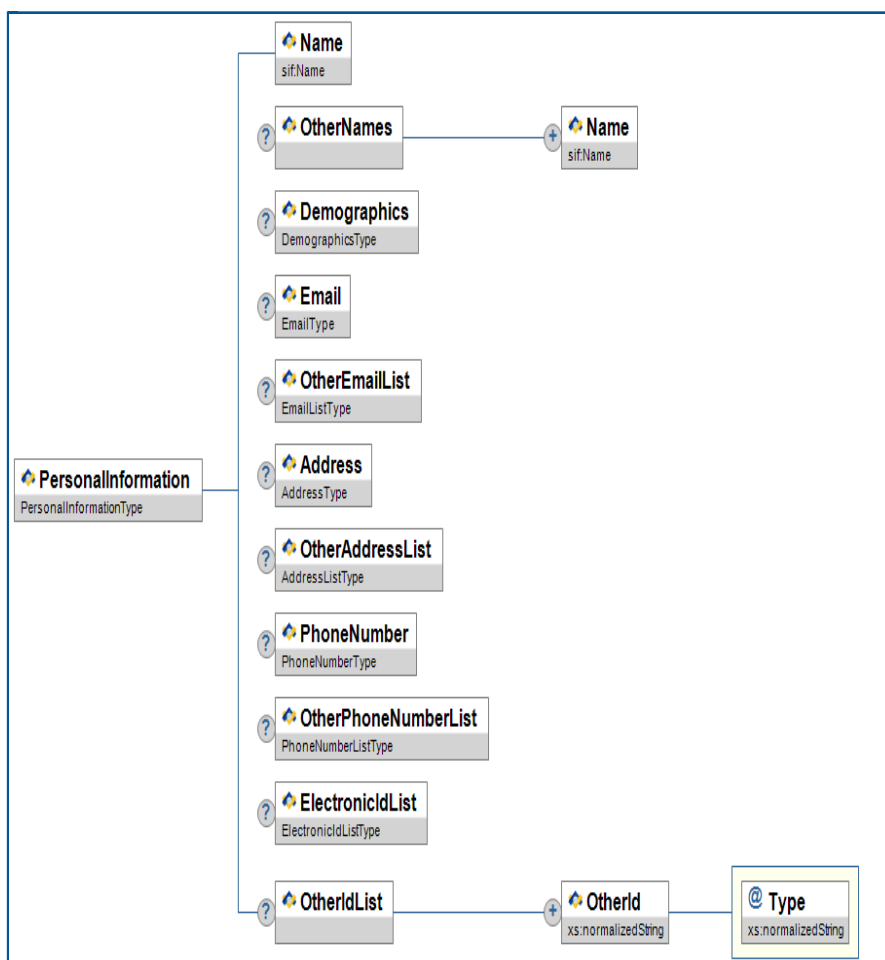


Figure 3.2.26-1: PersonalInformation

Element/@Attribute	Char	Description	Type
PersonalInformation		This element contains basic personal and demographic information related to a person. This element is part of all "personal" objects, including LearnerPersonal, WorkforcePersonal, and ContactPersonal.	
Name	M	Name information for this person.	Name

Element/@Attribute	Char	Description	Type
OtherNames	O	A list of other names associated with this person.	List
OtherNames/Name	MR	Another name associated with this person.	Name
Demographics	O	This element contains demographic data.	Demographics
Email	O	The person's preferred e-mail address.	Email
OtherEmailList	O	The person's other e-mail address(es).	EmailList
Address	O	The person's current physical address.	Address
OtherAddressList	O	The person's other address(es).	AddressList
PhoneNumber	O	The person's preferred phone number.	PhoneNumber
OtherPhoneNumberList	O	The person's other phone number(s).	PhoneNumberList
ElectronicIdList	O	Electronic identifier(s) associated with this person.	ElectronicIdList
OtherIdList	O	A list of all "other" IDs associated with this person.	List
OtherIdList/OtherId	MR	An "other" identifier associated with this person.	xs:normalizedString
@ Type	M	Text that describes the type of this other ID.	xs:normalizedString

Table 3.2.26-1: PersonalInformation

```

<PersonalInformation>
  <Name Type="C">
    <FamilyName>Johnson</FamilyName>
    <GivenName>Hanna</GivenName>
    <MiddleNames>Leigh</MiddleNames>
    <FamilyNameFirst>No</FamilyNameFirst>
    <PreferredFamilyName>Johnson</PreferredFamilyName>
    <PreferredFamilyNameFirst>No</PreferredFamilyNameFirst>
    <PreferredGivenName>Hanna</PreferredGivenName>
  </Name>
  <OtherNames>
    <Name Type="F">
      <FamilyName>Minderfeld</FamilyName>
      <GivenName>Hanna</GivenName>
      <MiddleNames>Leigh</MiddleNames>
    </Name>
  </OtherNames>
  <Demographics>
    <EthnicityList>
      <Ethnicity>
        <Code>WENG</Code>
        <Source>P</Source>
      </Ethnicity>
    </EthnicityList>
    <Gender>F</Gender>
    <BirthDate>1995-09-12</BirthDate>
    <BirthDateVerification>2</BirthDateVerification>
    <PlaceOfBirth>Reading</PlaceOfBirth>
    <CountyOfBirth>Reading</CountyOfBirth>
    <CountryOfBirth>GBR</CountryOfBirth>
    <EnglishProficiency>
      <EALSteps>1S</EALSteps>
    </EnglishProficiency>
    <LanguageList>
      <Language>
        <Code>ENG</Code>
        <TypeList>
          <Type>F</Type>
        </TypeList>
      </Language>
    </LanguageList>
    <MaritalStatus>S</MaritalStatus>
    <Religion>
      <AffiliationCode>CE</AffiliationCode>
      <EducationStatus>W</EducationStatus>
      <CollectiveWorshipStatus>A</CollectiveWorshipStatus>
      <Source>P</Source>
    </Religion>
    <Traveller>
      <Code>NT</Code>
      <Source>P</Source>
    </Traveller>
  </Demographics>
  <Email Type="School">hljohnson@myschool.co.uk</Email>
  <OtherEmailList>
    <Email Type="Personal">hl37925@gmail.co.uk</Email>
  </OtherEmailList>
  <Address Type="Current">
    <StartDate>2004-10-06</StartDate>
    <PAON>
      <Description>Merion House</Description>
      <StartNumber>42</StartNumber>
      <EndNumber>46</EndNumber>
    </PAON>
    <SAON>
      <StartNumber>2</StartNumber>
      <StartNumberSuffix>B</StartNumberSuffix>
    </SAON>
    <Street>Guildford Road</Street>
    <Locality>Knaphill</Locality>
    <Town>Woking</Town>
    <AdministrativeArea>Surrey</AdministrativeArea>
    <County>Surrey</County>
    <PostCode>GU22 7QF</PostCode>
    <Country>GBR</Country>
    <UniquePropertyReferenceNumber>38711462427</UniquePropertyReferenceNumber>
    <UniqueStreetReferenceNumber>1124805</UniqueStreetReferenceNumber>
    <LocationContext>
      <WardCode>43UMGB</WardCode>
      <WardName>Knaphill</WardName>
    </LocationContext>
    <GridLocation>
      <PropertyEasting>500431.3</PropertyEasting>
      <PropertyNorthing>158413.1</PropertyNorthing>
      <Latitude>41.850000</Latitude>
      <Longitude>-87.650000</Longitude>
    </GridLocation>
  </Address>
  <PhoneNumber Type="H">
    <Number>05598765432</Number>
    <ListedStatus>Listed</ListedStatus>
  </PhoneNumber>
  <OtherPhoneNumberList>
    <PhoneNumber Type="M">
      <Number>07777666555</Number>
      <ListedStatus>Unlisted</ListedStatus>
    </PhoneNumber>
  </OtherPhoneNumberList>
  <ElectronicIdList>
    <ElectronicId Type="Barcode">206654</ElectronicId>
  </ElectronicIdList>
  <OtherIdList>
    <OtherId Type="Locker">01298B</OtherId>
  </OtherIdList>
</PersonalInformation>

```

Example 3.2.26-1: PersonalInformation

3.2.27 PhoneNumber

This element represents a phone number and occurs within objects such as LearnerPersonal, WorkforcePersonal, etc.

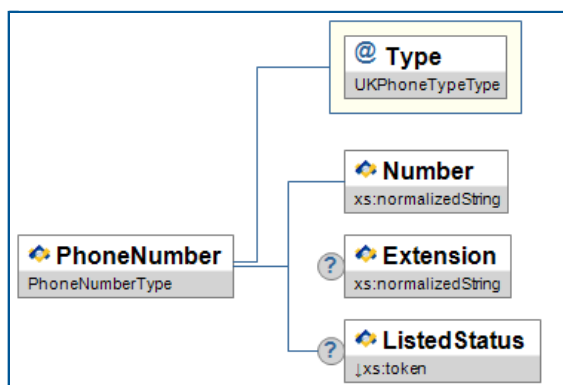


Figure 3.2.27-1: PhoneNumber

Element/@Attribute	Char	Description	Type
PhoneNumber		This element represents a phone number and occurs within objects such as LearnerPersonal, WorkforcePersonal, etc.	
@ Type	M	Code that specifies the phone number type.	UKPhoneTypeType
Number	M	Phone number. Validation: 0-9 and a leading '+' (for international calls).	xs:normalizedString
Extension	O	Phone number extension.	xs:normalizedString
ListedStatus	O	Indicates whether or not the phone number is available to the public.	values: Listed Unlisted Unknown

Table 3.2.27-1: PhoneNumber

```

<PhoneNumber Type="H">
  <Number>05598765432</Number>
  <Extension>4105</Extension>
  <ListedStatus>Listed</ListedStatus>
</PhoneNumber>
  
```

Example 3.2.27-1: PhoneNumber

3.2.28 PhoneNumberList

Lists phone numbers associated with an entity.

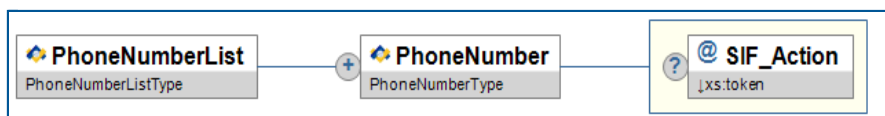


Figure 3.2.28-1: PhoneNumberList

Element/@Attribute	Char	Description	Type
PhoneNumberList		Lists phone numbers associated with an entity.	ActionList (PhoneNumber/@Type)
PhoneNumber	MR		PhoneNumber
@ SIF_Action	O	In a Change event, this flag can be used to indicate an element has been deleted from the parent list container. At a minimum the key for the list must also be present.	values: Delete

Table 3.2.28-1: PhoneNumberList

```

<PhoneNumberList>
  <PhoneNumber Type="H">
    <Number>05598765432</Number>
    <ListedStatus>Unlisted</ListedStatus>
  </PhoneNumber>
  <PhoneNumber Type="M">
    <Number>07777666555</Number>
  </PhoneNumber>
</PhoneNumberList>
  
```

Example 3.2.28-1: PhoneNumberList

3.2.29 RightsElement

A common metadata element designed to carry any intellectual property or copyright information, based on the IEEE LOM Rights element [LOM].

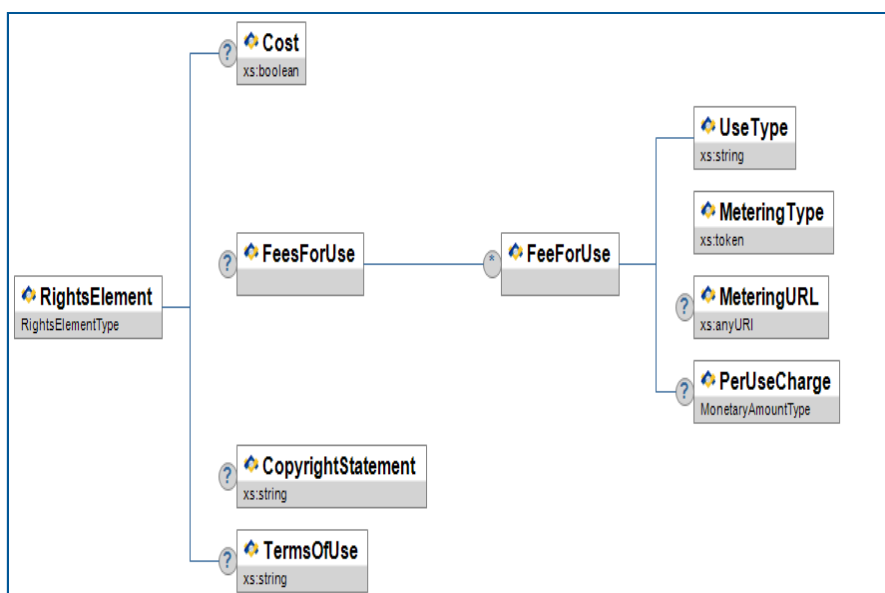


Figure 3.2.29-1: RightsElement

Element/@Attribute	Char	Description	Type
RightsElement		A common metadata element designed to carry any intellectual property or copyright information, based on the IEEE LOM Rights element [LOM].	
Cost	O		xs:boolean
FeesForUse	O	A container for fees for use of the content in the object.	list
FeesForUse/FeeForUse	OR	Description of one fee structure applying to the use of this resource.	
FeesForUse/FeeForUse/UseType	M	A description of the fee structure for this resource. Some resources may be licensed differently depending upon their context. For example, a content provider might charge one fee structure for resources used in the classroom and a separate fee for those resources available to parents from home.	xs:string
FeesForUse/FeeForUse/MeteringType	M		xs:token
FeesForUse/FeeForUse/MeteringURL	O		xs:anyURI
FeesForUse/FeeForUse/PerUseCharge	O		MonetaryAmountType
CopyrightStatement	O		xs:string
TermsOfUse	O		xs:string

Table 3.2.29-1: RightsElement

```

<RightsElement>
  <Cost>true</Cost>
  <FeesForUse>
    <FeeForUse>
      <UseType>UseType</UseType>
      <MeteringType>MeteringType</MeteringType>
      <MeteringURL>http://www.xmlspy.com</MeteringURL>
      <PerUseCharge Currency="USD">1.00</PerUseCharge>
    </FeeForUse>
  </FeesForUse>
  <CopyrightStatement>CopyrightStatement</CopyrightStatement>
  <TermsOfUse>TermsOfUse</TermsOfUse>
</RightsElement>
  
```

Example 3.2.29-1: RightsElement

3.2.30 SchoolURL

URL for a school.

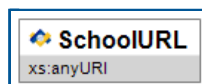


Figure 3.2.30-1: SchoolURL

Element/@Attribute	Char	Description	Type
SchoolURL		URL for a school.	xs:anyURI

Table 3.2.30-1: SchoolURL

```
<SchoolURL>http://www.lincolnhs.edu</SchoolURL>
```

Example 3.2.30-1: SchoolURL

3.2.31 SchoolURN

The alternate DfES assigned identifier for a school or other educational establishment.

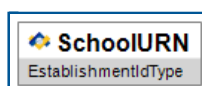


Figure 3.2.31-1: SchoolURN

Element/@Attribute	Char	Description	Type
SchoolURN		The alternate DfES assigned identifier for a school or other educational establishment.	EstablishmentId

Table 3.2.31-1: SchoolURN

```
<SchoolURN>7883</SchoolURN>
```

Example 3.2.31-1: SchoolURN

3.2.32 SchoolYear

Common element used to designate the academic school year to which an object relates.

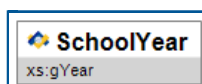


Figure 3.2.32-1: SchoolYear

Element/@Attribute	Char	Description	Type
SchoolYear		School year for which this information is applicable, expressed as the four-digit year in which the school year ends (e.g., "2004" for the 2003-04 school year).	xs:gYear

Table 3.2.32-1: SchoolYear

```
<SchoolYear>2005</SchoolYear>
```

Example 3.2.32-1: SchoolYear

3.2.33 SIF_Metadata

Metadata is commonly referred to as data about data and includes information such as author, grade level, or keywords relating to a learning object, as examples. Metadata can be used to structure and contain any of this kind of information in a consistent manner. In the context of SIF, SIF_Metadata provides a consistent structure to appropriate SIF objects for the purpose of cataloging and object discovery, as well as other metadata functions and purposes. One recurring use case within the SIF data model is the requirement for some form of temporal constraints and tagging on objects (see

TimeElement). Other metadata elements are based on needs brought to the Data Standards Working Group.

IMPORTANT NOTE ON PERSISTENCE

This data is not designed to be permanent. It is designed to frame an object instance and could dissolve as soon as it leaves the SIF framework for the application space. A data warehouse could be used to store metadata for later tracking.

IMPORTANT NOTE ON USAGE

Any usage of metadata is optional unless made a requirement within individual SIF objects, or if a SIF or local profile or zone installation mandates it. SIF_Metadata allows for the usage of metadata in agents and applications that choose to support it.

This element is designed to operate much like SIF_ExtendedElements. It is an approved common element that is part of any data object.

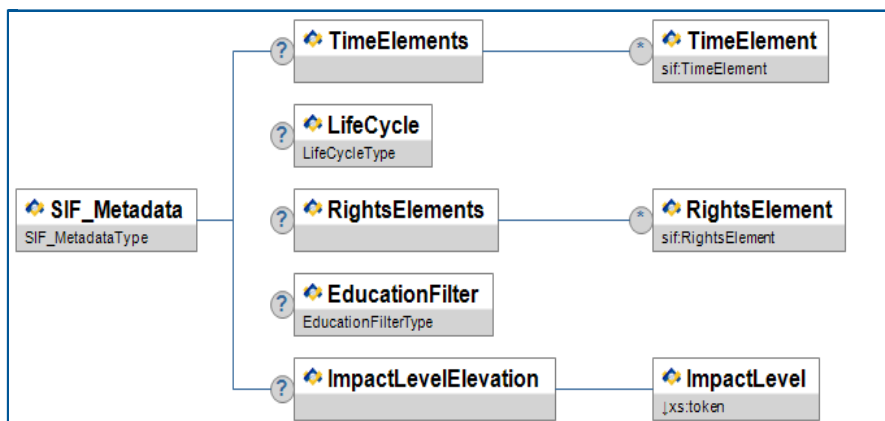


Figure 3.2.33-1: SIF_Metadata

Element/@Attribute	Char	Description	Type
SIF_Metadata		A commonly defined container for metadata elements defined within SIF.	
TimeElements	O		List
TimeElements/TimeElement	OR		TimeElement
LifeCycle	O		LifeCycle
RightsElements	O		List
RightsElements/RightsElement	OR		RightsElement
EducationFilter	O		EducationFilter
ImpactLevelElevation	O	Identifies an object as having an Impact Level (UK Data Protection Act 1998) that is more sensitive than the default for the zone.	
ImpactLevelElevation/ImpactLevel	M	The Impact Level that the object has been raised to.	values: IL3 Restricted IL4 Confidential

Table 3.2.33-1: SIF_Metadata

3.2.34 SubjectAreaList

A list of subject areas.



Figure 3.2.34-1: SubjectAreaList

Element/@Attribute	Char	Description	Type
SubjectAreaList		A list of subject areas.	List
SubjectArea	MR	Subject matter.	UKGeneralSubjectType

Table 3.2.34-1: SubjectAreaList

```
<SubjectAreaList>
  <SubjectArea>MAT</SubjectArea>
  <SubjectArea>LIF</SubjectArea>
  <SubjectArea>ENV</SubjectArea>
  <SubjectArea>OMA</SubjectArea>
  <SubjectArea>PSH</SubjectArea>
</SubjectAreaList>
```

Example 3.2.34-1: SubjectAreaList

3.2.35 TimeElement

A common metadata element designed to contain time data, both self-defined and by type.

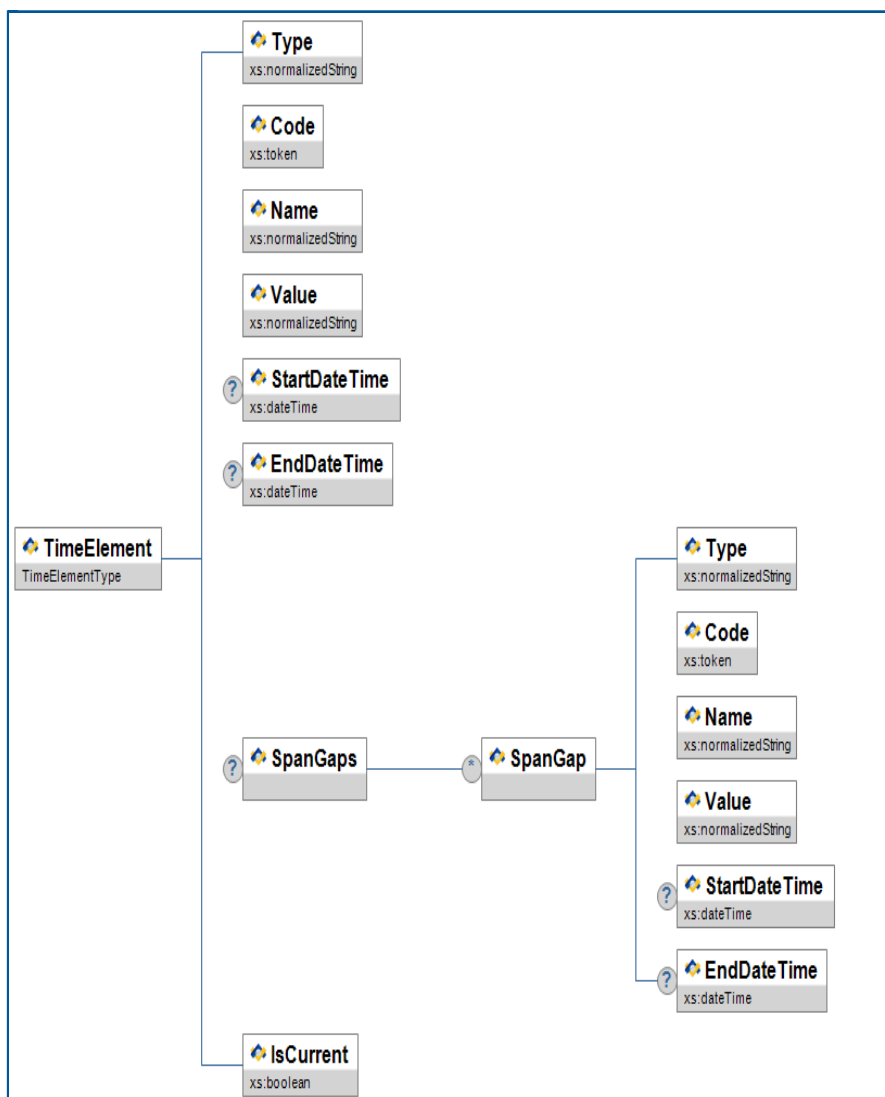


Figure 3.2.35-1: TimeElement

Element/@Attribute	Char	Description	Type
TimeElement		A common metadata element designed to contain time data, both self-defined and by type.	

Element/@Attribute	Char	Description	Type
Type	M	This element is designed to contain the time period attached to an object. Very long periods (school year, quarter, etc.) and very small periods (second, millisecond, etc.) can be defined. This element provides a scoping description of the time metadata enclosed. Because the educational environment varies so greatly we are including here a suggested but not prescriptive list of values. Although there may be unique needs for values not covered here—and we may have missed a major one—a best practice would be to utilize the examples here to enhance interoperability. Examples Full school year Mini-term Long session Other Semester Trimester Quarter Spring Vacation Summer Term Intercession Holiday	xs:normalizedString
Code	M	This element provides a place for the application to send structured data (code values, unique identifier, timestamps). This code value can, depending upon the use case agreement between agents, be used to qualify the data in the Value element. Examples 2007SY 2006.FallConferences	xs:token
Name	M	Contains a human-readable description of the value in Value. Examples Class of '07 Fall 2007 Parent-Teacher Conferences	xs:normalizedString
Value	M	Contains the human-readable value. Examples 2007 Evening of 10/12/06	xs:normalizedString
StartDateTime	O		xs:dateTime
EndDateTime	O		xs:dateTime
SpanGaps	O	A container element for holding multiple possible span gaps.	List
SpanGaps/SpanGap	OR	This structure duplicates much of the structure of TimeElement and is designed to represent a gap in the parent time period defined by StartDateTime and EndDateTime above.	
SpanGaps/SpanGap/Type	M		xs:normalizedString
SpanGaps/SpanGap/Code	M		xs:token
SpanGaps/SpanGap/Name	M		xs:normalizedString
SpanGaps/SpanGap/Value	M		xs:normalizedString
SpanGaps/SpanGap/StartDateTime	O		xs:dateTime
SpanGaps/SpanGap/EndDateTime	O		xs:dateTime
IsCurrent	M	This element allows for the system to tag an object as being explicitly current. Although the baseline assumption in SIF is that objects are always current (default value is typically true), there are use cases when that is not the case.	xs:boolean

Table 3.2.35-1: TimeElement

```

<TimeElement>
  <Type>Full school year</Type>
  <Code>01</Code>
  <Name>2004/2005 School Year</Name>
  <Value>2004-2005</Value>
  <StartDateTime>2004-09-01T08:00:00-05:00</StartDateTime>
  <EndDateTime>2005-06-30T15:00:00-05:00</EndDateTime>
  <SpanGaps>
    <SpanGap>
      <Type>Holiday</Type>
      <Code>02</Code>
      <Name>2005 Winter Break</Name>
      <Value>2005 Winter Break</Value>
      <StartDateTime>2005-02-21T15:00:00-05:00</StartDateTime>
      <EndDateTime>2005-02-25T08:00:00-05:00</EndDateTime>
    </SpanGap>
  </SpanGaps>
  <IsCurrent>true</IsCurrent>
</TimeElement>

```

Example 3.2.35-1: TimeElement

3.3 SIF UK

3.3.1 AssessmentLearnerSet

This object describes learners assigned to take an assessment or component grouping (can represent a markbook, exam entry, or an cohort objective).

SIF_Events are reported for this object.

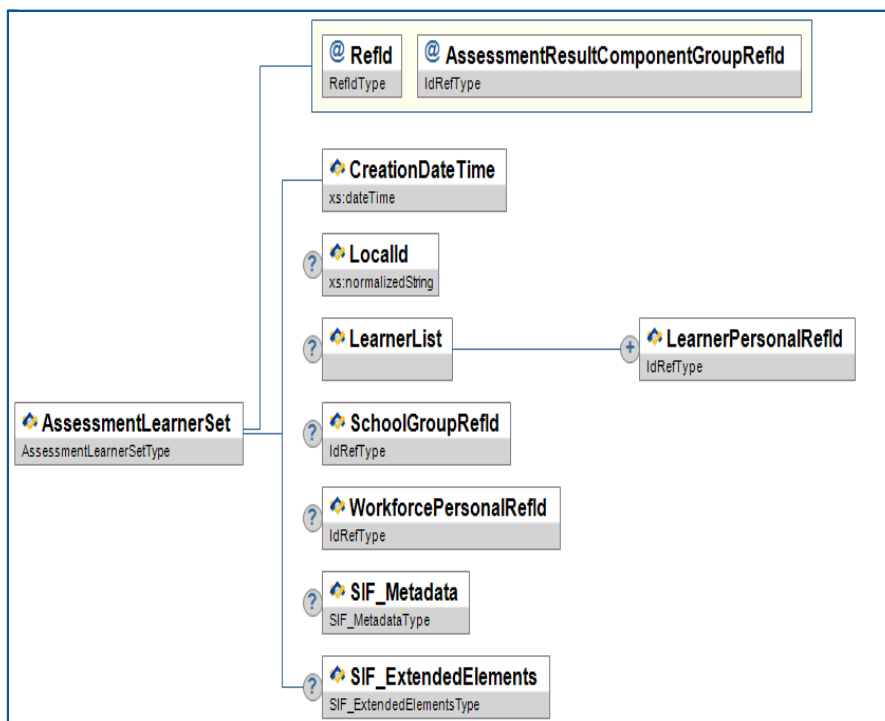


Figure 3.3.1-1: AssessmentLearnerSet

Element/@Attribute	Char	Description	Type
AssessmentLearnerSet		This object describes learners assigned to take an assessment or component grouping (can represent a markbook, exam entry, or an cohort objective).	
@ Key RefId	M	The ID (GUID) that uniquely identifies an instance of this object.	RefIdType
@ AssessmentResultComponentGroupRefId	M	The assessment result component group (test or assessment) associated with the set of listed learners.	IdRefType
CreationDateTime	M	Date/time assignment is created.	xs:dateTime
LocalId	O	Value supplied by publishing vendor/supplier.	xs:normalizedString
LearnerList	C	A list of learners who are to take the test. Required when SchoolGroupRefId is not supplied.	List
LearnerList/LearnerPersonalRefId	MR	The ID (GUID) of a learner assigned to take an assessment.	IdRefType

Element/@Attribute	Char	Description	Type
SchoolGroupRefId	C	Optional reference to the class group(s) to which this will be/are drawn. Note that this is required when <code>LearnerList</code> is not supplied.	IdRefType
WorkforcePersonalRefId	O	The ID (GUID) that uniquely identifies the teacher or staff member who created the learner set.	IdRefType
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.1-1: *AssessmentLearnerSet*

```

<AssessmentLearnerSet RefId="AE98AE59A2841743117D9192C326B873" AssessmentResultComponentGroupRefId="8456D39051CC755293A4A4763088F3D3">
  <CreationDateTime>2007-02-04T15:30:05</CreationDateTime>
  <LocalId>21</LocalId>
  <LearnerList>
    <LearnerPersonalRefId>8456D39051CC755293A4A4763088F3D1</LearnerPersonalRefId>
    <LearnerPersonalRefId>8456D39051CC755293A5A4763088F3D2</LearnerPersonalRefId>
    <LearnerPersonalRefId>8456D39051CC755293A6A4763088F3D3</LearnerPersonalRefId>
    <LearnerPersonalRefId>8456D39051CC755293A7A4763088F3D4</LearnerPersonalRefId>
    <LearnerPersonalRefId>8456D39051CC755293A8A4763088F3D5</LearnerPersonalRefId>
  </LearnerList>
  <WorkforcePersonalRefId>AE98AE59A2841743117D9192C326B878</WorkforcePersonalRefId>
</AssessmentLearnerSet>

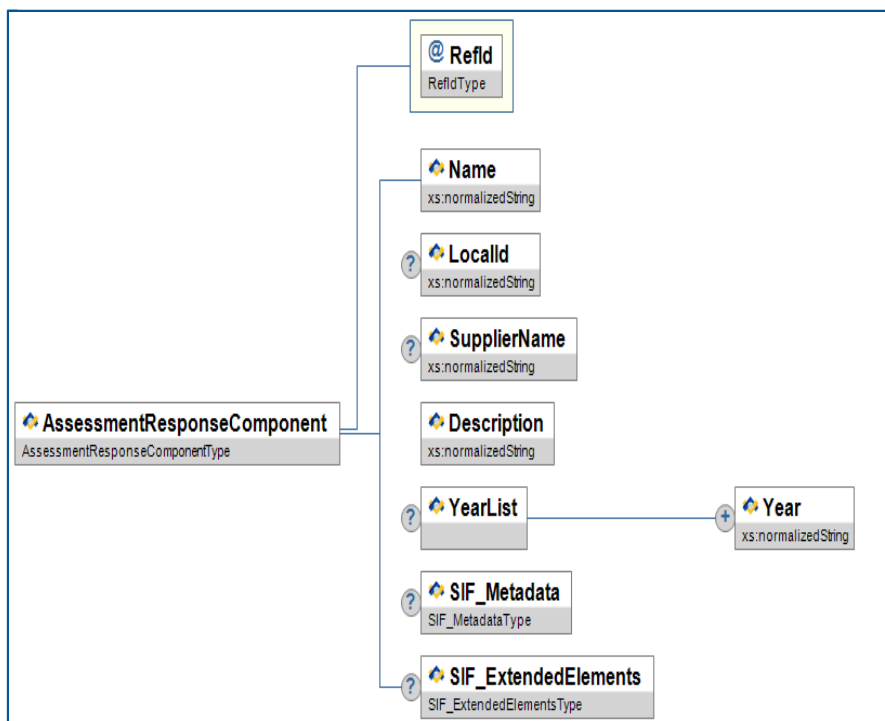
```

Example 3.3.1-1: *AssessmentLearnerSet*

3.3.2 AssessmentResponseComponent

This object describes a single component of the assessment or test paper/quiz taken by a learner. A response component has one or more responses.

SIF_Events are not reported for this object.

Figure 3.3.2-1: *AssessmentResponseComponent*

Element/@Attribute	Char	Description	Type
AssessmentResponseComponent		This object describes a single component of the assessment or test paper/quiz taken by a learner. A response component has one or more responses.	
RefId	M	The GUID that uniquely identifies an instance of this object.	RefIdType

Element/@Attribute	Char	Description	Type
Name	M	The identifier used within the publishing application.	xs:normalizedString
LocalId	O	Optional reference to the school associated with the administration.	xs:normalizedString
SupplierName	O	The supplier/originator/designer/owner of the described component.	xs:normalizedString
Description	M	Longer text describing features of the component.	xs:normalizedString
YearList	O	A list of specific years in which this component is applicable. By convention, if a list is not supplied then this component is assumed to be always available.	List
YearList/Year	MR	A year with which the component grouping is applicable (by convention this is the end year of an academic year eg: 2007/8 resolves to 2008).	xs:normalizedString
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.2-1: AssessmentResponseComponent

```

<AssessmentResponseComponent RefId="876602EF432763EB81928376498038E3">
  <Name>Maths 4C</Name>
  <LocalId>MAT4C</LocalId>
  <SupplierName>ABC Assessments</SupplierName>
  <Description>Maths Level 4 Section C</Description>
  <YearList>
    <Year>2007</Year>
    <Year>2008</Year>
  </YearList>
</AssessmentResponseComponent>

```

Example 3.3.2-1: AssessmentResponseComponent

3.3.3 AssessmentResponseComponentGroup

High level container describing components of the actual assessment or test paper/quiz taken by the learner. A response component group contains one or more components.

SIF_Events are not reported for this object.

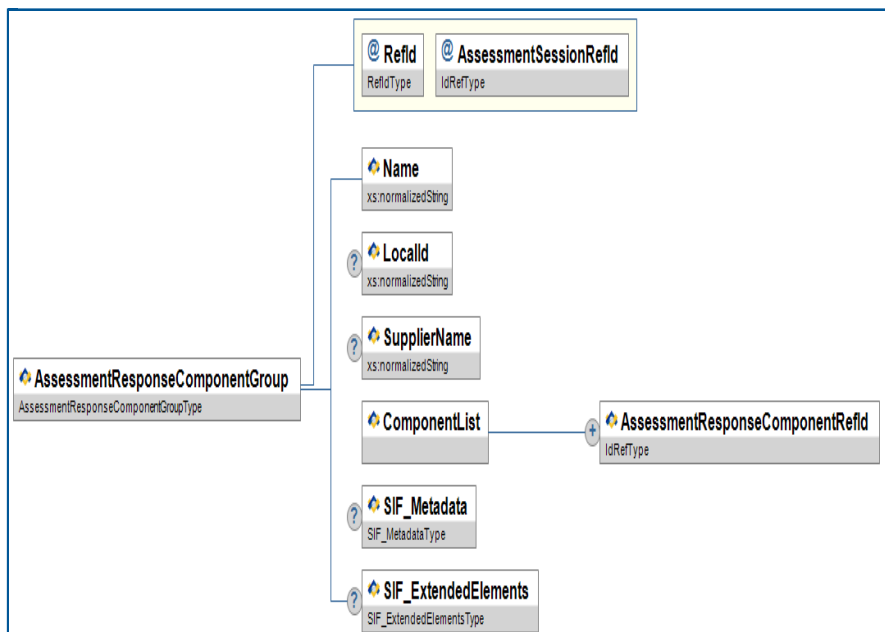


Figure 3.3.3-1: AssessmentResponseComponentGroup

	Element/@Attribute	Char	Description	Type
	AssessmentResponseComponentGroup		High level container describing components of the actual assessment or test paper/quiz taken by the learner. A response component group contains one or more components.	
@ 🔑	RefId	M	The ID (GUID) that uniquely identifies an instance of this object.	RefIdType
@	AssessmentSessionRefId	M	The ID (GUID) of the assessment session in which the responses were collected.	IdRefType
	Name	M	Name of the assessment/test/taken.	xs:normalizedString
	LocalId	O	The identifier used for this entity within the publishing application.	xs:normalizedString
	SupplierName	O	The supplier/originator/designer/owner of the described component grouping.	xs:normalizedString
	ComponentList	M	A list of the components contained within this component group.	List
	ComponentList/AssessmentResponseComponentRefId	MR	The SIF identifier for an assessment response component.	IdRefType
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.3-1: AssessmentResponseComponentGroup

```
<AssessmentResponseComponentGroup RefId="87302A8E7492310B8CC5636A321F934E" AssessmentSessionRefId="559023AF3BC83210987477108EFA438C">
  <Name>Maths Level 4</Name>
  <LocalId>MAT4</LocalId>
  <SupplierName>ABC Assessments</SupplierName>
  <ComponentList>
    <AssessmentResponseComponentRefId>73920A9834E8DF216526690AE58F3219</AssessmentResponseComponentRefId>
    <AssessmentResponseComponentRefId>829763D0934A98120AB87459381AB064</AssessmentResponseComponentRefId>
    <AssessmentResponseComponentRefId>87389EE348A23416589320A7DE456104</AssessmentResponseComponentRefId>
  </ComponentList>
</AssessmentResponseComponentGroup>
```

Example 3.3.3-1: AssessmentResponseComponentGroup

3.3.4 AssessmentResultComponent

A psychological construct measured by the assessment. Operationally, an assessment component or subtest is a class of scores within an assessment that might collectively represent a column within a mark book. Some assessments may consist of only one component, aspect or subtest although it is more common for assessments to have several.

Similar to `AssessmentSubTest` in US model.

SIF_Events are reported for this object.

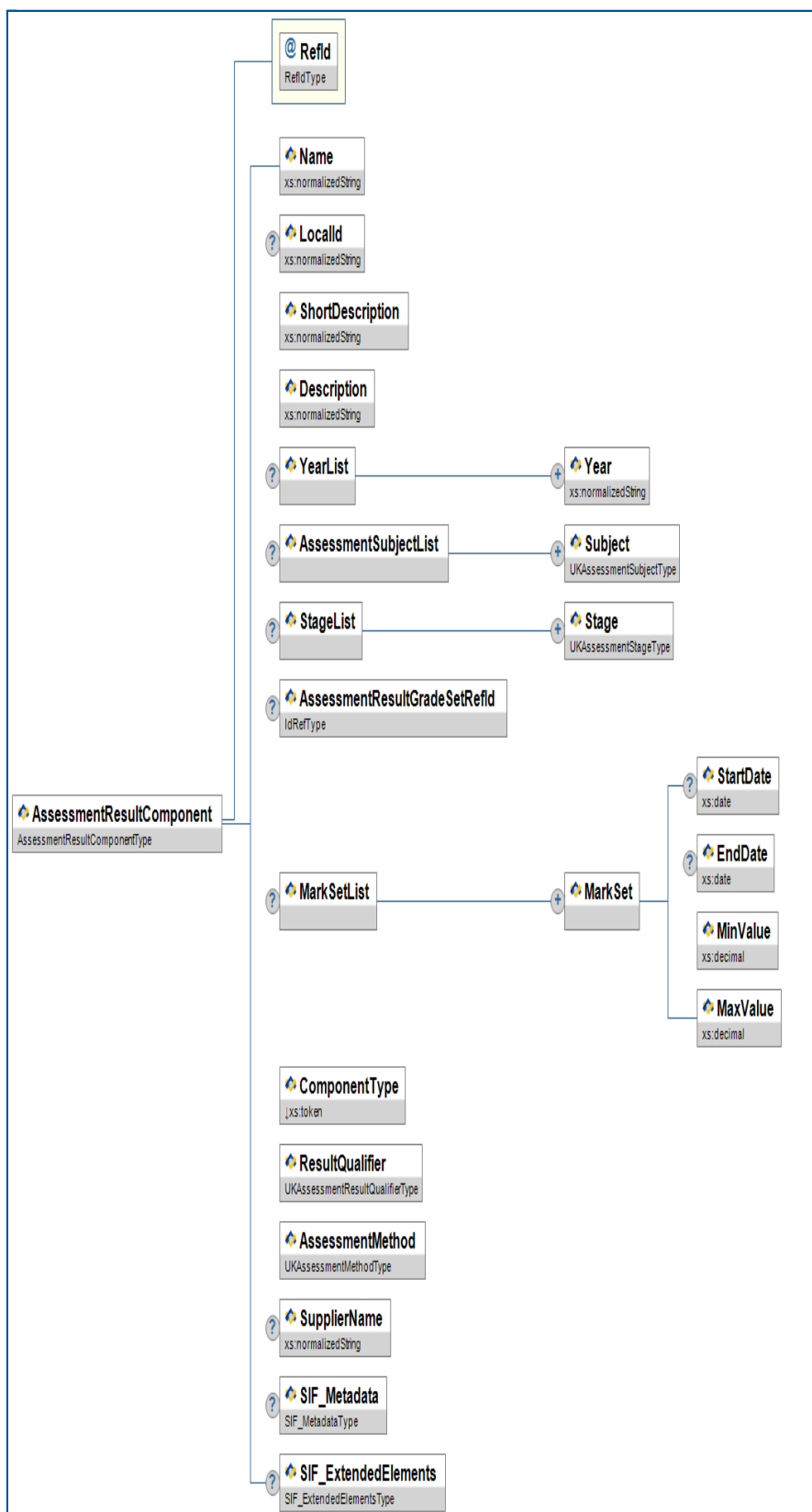


Figure 3.3.4-1: AssessmentResultComponent

Element/@Attribute	Char	Description	Type
--------------------	------	-------------	------

Element/@Attribute	Char	Description	Type
Element/@Attribute	Char	Description	Type
AssessmentResultComponent		A psychological construct measured by the assessment. Operationally, an assessment component or subtest is a class of scores within an assessment that might collectively represent a column within a mark book. Some assessments may consist of only one component, aspect or subtest although it is more common for assessments to have several. Similar to <i>AssessmentSubTest</i> in US model.	
@ RefId	M	The ID (GUID) of this aspect or subtest.	RefIdType
Name	M	The name used to identify this component or aspect.	xs:normalizedString
LocalId	O	The identifier used within the publishing application.	xs:normalizedString
ShortDescription	M	Shorter description used for column headers in marksheets, etc.	xs:normalizedString
Description	M	Longer text describing features of the component.	xs:normalizedString
YearList	O	A list of specific years in which this component is applicable. By convention, if a list is not supplied then this component is assumed to be always available.	List
YearList/Year	MR	A year with which the component grouping is applicable (by convention this is the end year of an academic year eg: 2007/8 resolves to 2008).	xs:normalizedString
AssessmentSubjectList	O	A list of subject areas associated with this assessment component or aspect.	List
AssessmentSubjectList/Subject	MR	A subject area associated with this assessment component or aspect.	UKAssessmentSubjectType
StageList	O	List of the stages that this component can be used to assess.	List
StageList/Stage	MR	The assessed stage (this may well be a Keystage List, but there is no reason why it couldn't be used for other concepts such as NcYear applicability, Level Exam Level GCSE, A-Level etc.).	UKAssessmentStageType
AssessmentResultGradeSetRefId	C	The gradeset associated with the component or aspect. Required if <i>ComponentType</i> is set to <i>Grade</i> .	IdRefType
MarkSetList	C	Required if <i>ComponentType</i> is <i>Mark</i> .	List
MarkSetList/MarkSet	MR	Defines a mark range.	
MarkSetList/MarkSet/StartDate	O	Start date of the range validity - ranges should not overlap. If not supplied then assumed to have always been valid in the past.	xs:date

Element/@Attribute	Char	Description	Type
MarkSetList/MarkSet/EndDate	O	End date of the range validity - ranges should not overlap. If not supplied then assumed to always will be valid in the future.	xs:date
MarkSetList/MarkSet/MinValue	M	The minimum value in the range of marks.	xs:decimal
MarkSetList/MarkSet/MaxValue	M	The maximum value in the range of marks.	xs:decimal
ComponentType	M	Defines the associated result format.	values: Comment Grade Mark
ResultQualifier	M	Defines the format or type of result(s) awarded.	UKAssessmentResultQualifierType
AssessmentMethod	M	The method or format of the Assessment.	UKAssessmentMethodType
SupplierName	O	The supplier/originator/designer/owner of the aspect.	xs:normalizedString
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.4-1: AssessmentResultComponent

```

<AssessmentResultComponent RefId="7C834EA9EDA12090347F83297E1C290C">
  <Name>AT2</Name>
  <ShortDescription>AT2</ShortDescription>
  <Description>English Reading (AT2)</Description>
  <YearList>
    <Year>2007</Year>
  </YearList>
  <AssessmentSubjectList>
    <Subject>ENG</Subject>
  </AssessmentSubjectList>
  <StageList>
    <Stage>KS1</Stage>
  </StageList>
  <MarkSetList>
    <MarkSet>
      <StartDate>2005-07-01</StartDate>
      <MinValue>5</MinValue>
      <MaxValue>17</MaxValue>
    </MarkSet>
  </MarkSetList>
  <ComponentType>Mark</ComponentType>
  <ResultQualifier>NL</ResultQualifier>
  <AssessmentMethod>TA</AssessmentMethod>
  <SupplierName>XYZ Assessment Services</SupplierName>
</AssessmentResultComponent>

```

Example 3.3.4-1: AssessmentResultComponent

3.3.5 AssessmentResultComponentGroup

High level container describing an assessment or test or common goal. Each component group contains one or more components, also known as subtests, aspects, or sub-assessments.

SIF_Events are reported for this object.

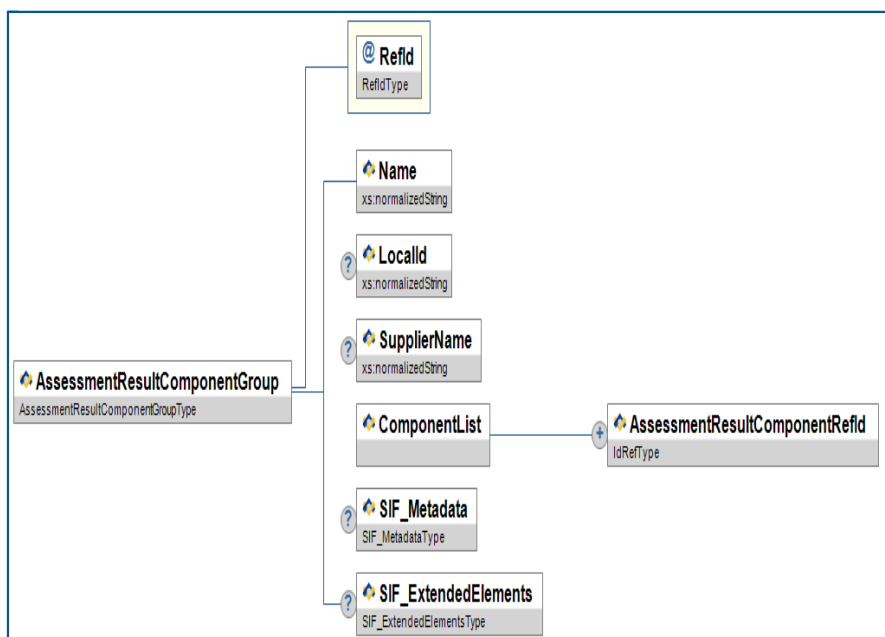


Figure 3.3.5-1: AssessmentResultComponentGroup

Element/@Attribute	Char	Description	Type
AssessmentResultComponentGroup		High level container describing an assessment or test or common goal. Each component group contains one or more components, also known as subtests, aspects, or sub-assessments.	
@ Key RefId	M	The ID (GUID) that uniquely identifies a component group.	RefIdType
Name	M	Name of the assessment/test/goal.	xs:normalizedString
LocalId	O	The identifier used for this entity within the publishing application.	xs:normalizedString
SupplierName	O	The supplier/originator/designer/owner of the described component grouping.	xs:normalizedString
ComponentList	M	A list of the components contained within this component group.	List
ComponentList/AssessmentResultComponentRefId	MR	A SIF identifier for an assessment result component.	IdRefType
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.5-1: AssessmentResultComponentGroup

```

<AssessmentResultComponentGroup RefId="C39048BE914227F9F32B193C408542D3">
  <Name>Science Test Level KS2</Name>
  <SupplierName>DCSF</SupplierName>
  <ComponentList>
    <AssessmentResultComponentRefId>C39048BE914224F9F32B193C408542D5</AssessmentResultComponentRefId>
    <AssessmentResultComponentRefId>C39048BE914224F9F32B193C408542D5</AssessmentResultComponentRefId>
    <AssessmentResultComponentRefId>C39048BE914224F9F32B193C408542D5</AssessmentResultComponentRefId>
  </ComponentList>
</AssessmentResultComponentGroup>
  
```

Example 3.3.5-1: AssessmentResultComponentGroup

3.3.6 AssessmentResultGradeSet

Represents a range of valid grades (over time) for a result.

SIF_Events are reported for this object.

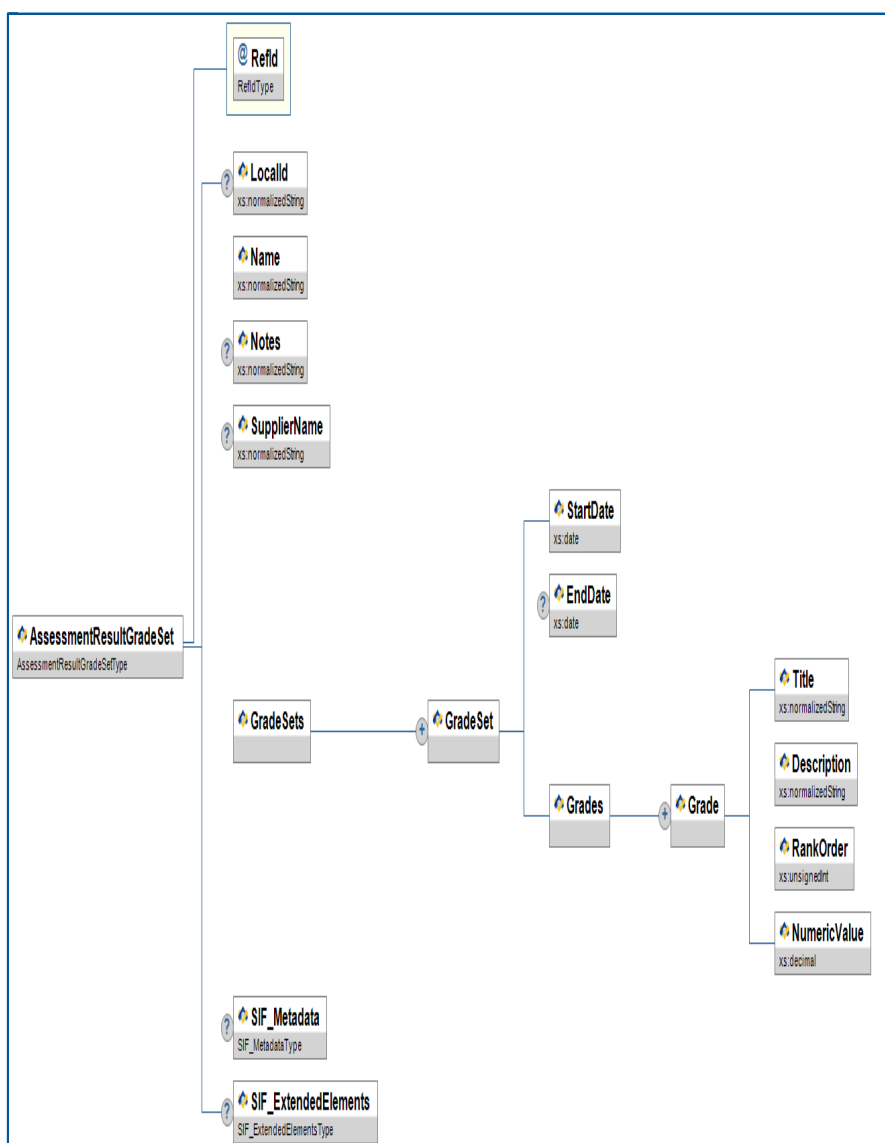


Figure 3.3.6-1: AssessmentResultGradeSet

Element/@Attribute	Char	Description	Type
AssessmentResultGradeSet		Represents a range of valid grades (over time) for a result.	
RefId	M	The ID (GUID) of this grade set.	RefIdType
LocalId	O	The locally assigned identifier for this grade set.	xs:normalizedString
Name	M	The descriptive identifier for the grade set.	xs:normalizedString
Notes	O	Explanatory/usage notes for grade set.	xs:normalizedString
SupplierName	O	The supplier/originator/designer/owner of the gradeset.	xs:normalizedString

Element/@Attribute	Char	Description	Type
GradeSets	M	Collection of versions of a grade set (dated, non-overlapping).	List
GradeSets/GradeSet	MR	A specific version of a grade set.	
GradeSets/GradeSet/StartDate	M	The start date from which this version is valid.	xs:date
GradeSets/GradeSet/EndDate	O	The end date until which this version is valid.	xs:date
GradeSets/GradeSet/Grades	M	The list of grades in the set.	List
GradeSets/GradeSet/Grades/Grade	MR	Description of an individual grade in the set.	
GradeSets/GradeSet/Grades/Grade/Title	M	The visual representation of the grade.	xs:normalizedString
GradeSets/GradeSet/Grades/Grade/Description	M	The meaning of the grade.	xs:normalizedString
GradeSets/GradeSet/Grades/Grade/RankOrder	M	The rank position of the grade within the set where the highest value is assumed to be the best. While duplicate ranks are allowed they are discouraged.	xs:unsignedInt
GradeSets/GradeSet/Grades/Grade/NumericValue	M	The numeric equivalent value of the grade.	xs:decimal
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.6-1: AssessmentResultGradeSet

```

<AssessmentResultGradeSet RefId="B8359C32AE94474174B03008D9A2744E">
  <LocalId>PScaleIndATs</LocalId>
  <Name>P Scale Individual ATs</Name>
  <Notes>Grades for use with individual P Scale ATs in English and Maths</Notes>
  <SupplierName>XYZ Assessment Services</SupplierName>
  <GradeSets>
    <GradeSet>
      <StartDate>2004-01-09</StartDate>
      <EndDate>2006-08-31</EndDate>
      <Grades>
        <Grade>
          <Title>P8</Title>
          <Description>P8</Description>
          <RankOrder>1</RankOrder>
          <NumericValue>8.00</NumericValue>
        </Grade>
        <Grade>
          <Title>P7</Title>
          <Description>P7</Description>
          <RankOrder>22</RankOrder>
          <NumericValue>7.00</NumericValue>
        </Grade>
        <Grade>
          <Title>P6</Title>
          <Description>P6</Description>
          <RankOrder>3</RankOrder>
          <NumericValue>6.00</NumericValue>
        </Grade>
      </Grades>
    </GradeSet>
  </GradeSets>
</AssessmentResultGradeSet>

```

Example 3.3.6-1: AssessmentResultGradeSet

3.3.7 AssessmentSession

A session is an event where an activity is performed by or on a learner set which contributes to the attainment of the objective. Occurs at a place and time (e.g., a test is taken, assignments are handed in, a test is marked).

SIF_Events are reported for this object.

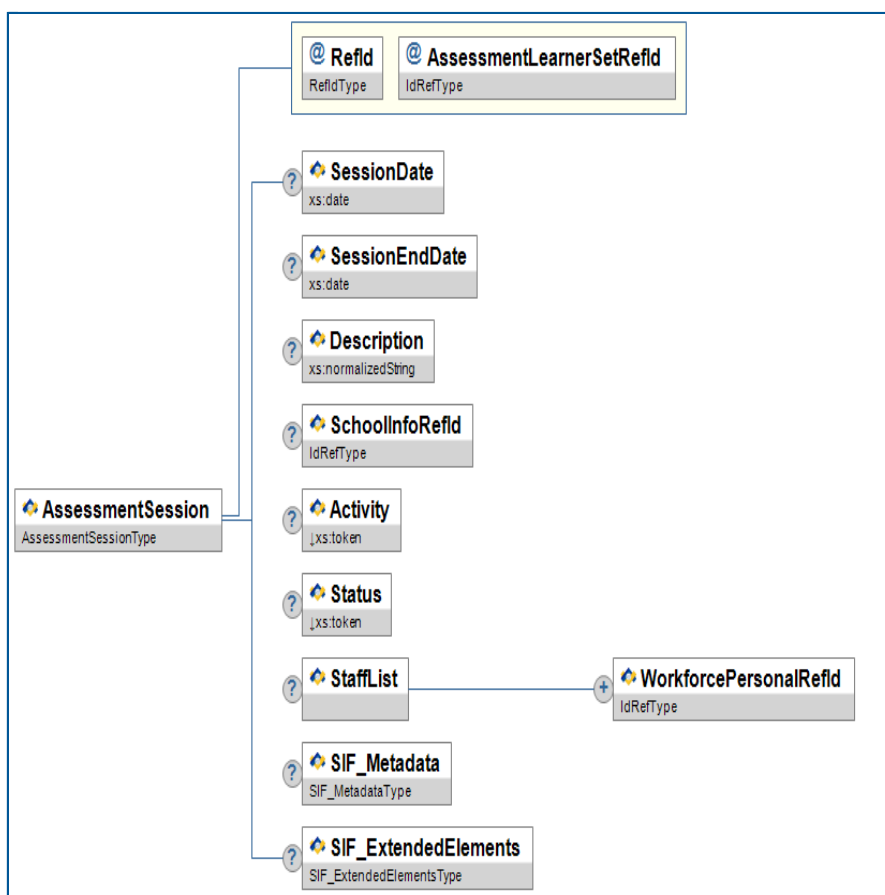


Figure 3.3.7-1: AssessmentSession

Element/@Attribute	Char	Description	Type
AssessmentSession		A session is an event where an activity is performed by or on a learner set which contributes to the attainment of the objective. Occurs at a place and time (e.g., a test is taken, assignments are handed in, a test is marked).	
@ Key RefId	M	The ID (GUID) of this session.	RefIdType
@ AssessmentLearnerSetRefId	M	The ID (GUID) of the set of people the session refers to.	IdRefType
SessionDate	O	The date on which the activity takes place or starts.	xs:date
SessionEndDate	O	The date on which this assessment ends, if different from the start date set in SessionDate.	xs:date
Description	O	A title or description for the activity, e.g Math Test.	xs:normalizedString
SchoolInfoRefId	O	The ID (GUID) of the school that the event takes place.	IdRefType
Activity	O	The activity which takes place.	values: Test Homework Exam

Element/@Attribute	Char	Description	Type
Status	O	The current status of the session.	values: Planned Complete Published
StaffList	O	A list of the teachers or other staff responsible for administering or assisting the learner with this assessment.	List
StaffList/WorkforcePersonalRefId	MR	The GUID that uniquely identifies a teacher or other staff member responsible for administering or assisting the learner with this assessment.	IdRefType
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.7-1: AssessmentSession

```

<AssessmentSession RefId="E98AE59C32A2117D9192A6B873841743" AssessmentLearnerSetRefId="8456D39051CC755293A4A4763088F3D3">
  <SessionDate>2007-01-27</SessionDate>
  <SchoolInfoRefId>8456D39051CC755293A4A4763088F3D3</SchoolInfoRefId>
  <Activity>Test</Activity>
  <Status>Complete</Status>
  <StaffList>
    <WorkforcePersonalRefId>E98AE59C32A2117D9192A6B873841743</WorkforcePersonalRefId>
  </StaffList>
</AssessmentSession>

```

Example 3.3.7-1: AssessmentSession

3.3.8 ContactPersonal

This object describes any person created as a contact at a school, LEA, or other institution, or associated with a Learner or other Workforce person.

SIF_Events are reported for this object.

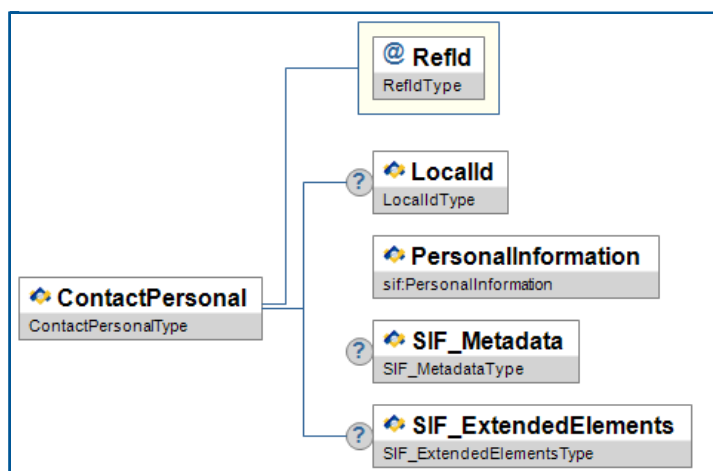


Figure 3.3.8-1: ContactPersonal

Element/@Attribute	Char	Description	Type
ContactPersonal		This object describes any person created as a contact at a school, LEA, or other institution, or associated with a Learner or other Workforce person.	
@ RefId Key	M	The ID (GUID) of a person referenced as a contact. Note that this GUID may be the same GUID assigned to a LearnerPersonal and/or WorkforcePersonal object record.	RefIdType
LocalId	O	The locally-assigned identifier for this person.	LocalId
PersonalInformation	M	Name, demographic, address, email, and phone information for a person acting as a contact.	PersonalInformation
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.8-1: ContactPersonal

```
<ContactPersonal RefId="92E50229EC3911DBA762000E0CA41EF3">
  <LocalId>01234</LocalId>
  <PersonalInformation>
    <Name Type="C">
      <FamilyName>Jorgenson</FamilyName>
      <GivenName>Stephen</GivenName>
    </Name>
    <Demographics>
      <Gender>M</Gender>
    </Demographics>
    <Email Type="Personal">sjorgens@myschool.co.uk</Email>
    <Address Type="Current">
      <PAON>
        <StartNumber>27</StartNumber>
      </PAON>
      <Street>Lower Guildford Road</Street>
      <Locality>Knaphill</Locality>
      <Town>Woking</Town>
      <AdministrativeArea>Surrey</AdministrativeArea>
      <PostCode>GU22 2DE</PostCode>
      <Country>GBR</Country>
    </Address>
    <PhoneNumber Type="H">
      <Number>01748661731</Number>
    </PhoneNumber>
    <OtherPhoneNumberList>
      <PhoneNumber Type="M">
        <Number>07777977341</Number>
      </PhoneNumber>
    </OtherPhoneNumberList>
  </PersonalInformation>
</ContactPersonal>
```

Example 3.3.8-1: ContactPersonal

3.3.9 Cycle

The timetable cycle

SIF_Events are reported for this object.

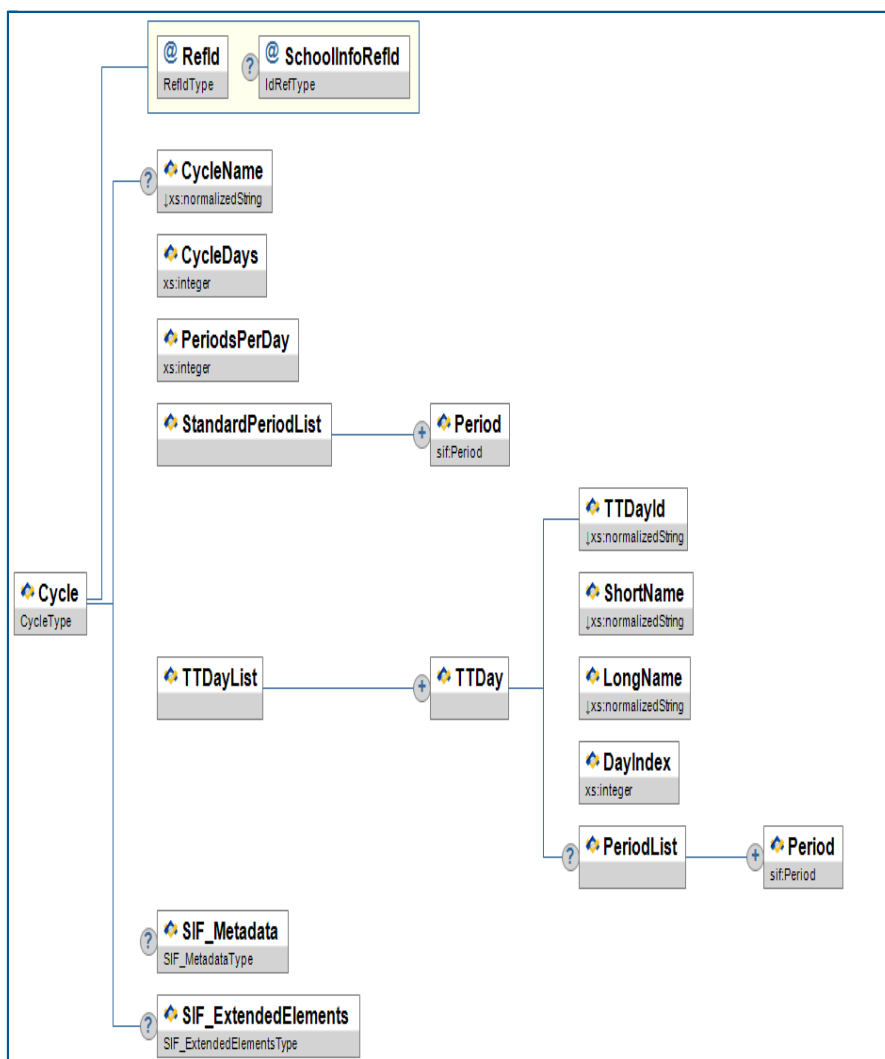


Figure 3.3.9-1: Cycle

Element/@Attribute	Char	Description	Type
Cycle		The timetable cycle	
@ RefId	M	Unique GUID for this cycle	RefIdType
@ SchoolInfoRefId	O	The RefId of the SchoolInfo to which this Cycle belongs. This is optional to preserve backwards compatibility but it is very strongly advised that it should be correctly populated and considered mandatory in this version of the specification.	IdRefType
CycleName	O	A label for this cycle	xs:normalizedString xs:maxLength 40
CycleDays	M	Number of days in cycle	xs:integer
PeriodsPerDay	M	(Max) Number of periods per day (see Rectangular Grid Representation above)	xs:integer
StandardPeriodList	M	Period/ShortName and Period/LongName are Mandatory in this list.	List
StandardPeriodList/Period	MR	Periods in a "standard timetable day"	Period
TTDayList	M	List all the days of the cycle	List

Element/@Attribute	Char	Description	Type
TTDayList/TTDay	MR	The days in the cycle	
TTDayList/TTDay/TTDayId	M	A unique local ID for this day	xs:normalizedString xs:maxLength 5
TTDayList/TTDay/ShortName	M	A short day label	xs:normalizedString xs:maxLength 15
TTDayList/TTDay/LongName	M	A long day label	xs:normalizedString xs:maxLength 25
TTDayList/TTDay/DayIndex	M	The day's position in the cycle (1,2,3,etc).	xs:integer
TTDayList/TTDay/PeriodList	O	List of the periods on this day – only need to list the periods that are different from the "standard timetable day" – any period not listed here is taken to be the same as in the "standard timetable day". Period/LongName and Period/ShortName are optional in this list.	List
TTDayList/TTDay/PeriodList/Period	MR	A period	Period
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.9-1: Cycle


```

<Cycle RefId="07660F2862CA460BAA95E57AB49CBE88">
  <CycleName>Cycle for Final Schedule</CycleName>
  <CycleDays>10</CycleDays>
  <PeriodsPerDay>5</PeriodsPerDay>
  <StandardPeriodList>
    <Period>
      <PeriodIndex>1</PeriodIndex>
      <ShortName>Reg</ShortName>
      <LongName>Registration</LongName>
      <StartTime>08:45:27</StartTime>
      <EndTime>08:50:27</EndTime>
      <Type>R</Type>
    </Period>
    <Period>
      <PeriodIndex>2</PeriodIndex>
      <ShortName>2</ShortName>
      <LongName>Period 1</LongName>
      <StartTime>08:50:27-05:00</StartTime>
      <EndTime>09:50:27</EndTime>
      <Type>T</Type>
    </Period>
    <Period>
      <PeriodIndex>3</PeriodIndex>
      <ShortName>3</ShortName>
      <LongName>Period 2</LongName>
      <StartTime>09:50:27</StartTime>
      <EndTime>10:50:27-05:00</EndTime>
      <Type>T</Type>
    </Period>
  </StandardPeriodList>
  <TTDayList>
    <TTDay>
      <TTDayId>DY01</TTDayId>
      <ShortName>Mon A</ShortName>
      <LongName>Monday Week A</LongName>
      <DayIndex>1</DayIndex>
    </TTDay>
    <TTDay>
      <TTDayId>DY02</TTDayId>
      <ShortName>Tue A</ShortName>
      <LongName>Tuesday Week A</LongName>
      <DayIndex>2</DayIndex>
      <PeriodList>
        <Period>
          <PeriodIndex>2</PeriodIndex>
          <StartTime>08:50:27-05:00</StartTime>
          <EndTime>09:40:27-05:00</EndTime>
          <Type>T</Type>
        </Period>
        <Period>
          <PeriodIndex>3</PeriodIndex>
          <StartTime>09:40:27-05:00</StartTime>
          <EndTime>10:50:27-05:00</EndTime>
          <Type>T</Type>
        </Period>
      </PeriodList>
    </TTDay>
    <TTDay>
      <TTDayId>DY10</TTDayId>
      <ShortName>Fri B</ShortName>
      <LongName>Friday Week B</LongName>
      <DayIndex>10</DayIndex>
      <PeriodList>
        <Period>
          <PeriodIndex>5</PeriodIndex>
          <Type>X</Type>
        </Period>
      </PeriodList>
    </TTDay>
  </TTDayList>
</Cycle>

```

Example 3.3.9-1: Cycle

3.3.10 Identity

This object allows a system that stores network identities and/or passwords to share them with other applications through SIF. The provider of the `Identity` object may only support providing an identity or a password, or it may support both.

SIF_Events are reported for this object.

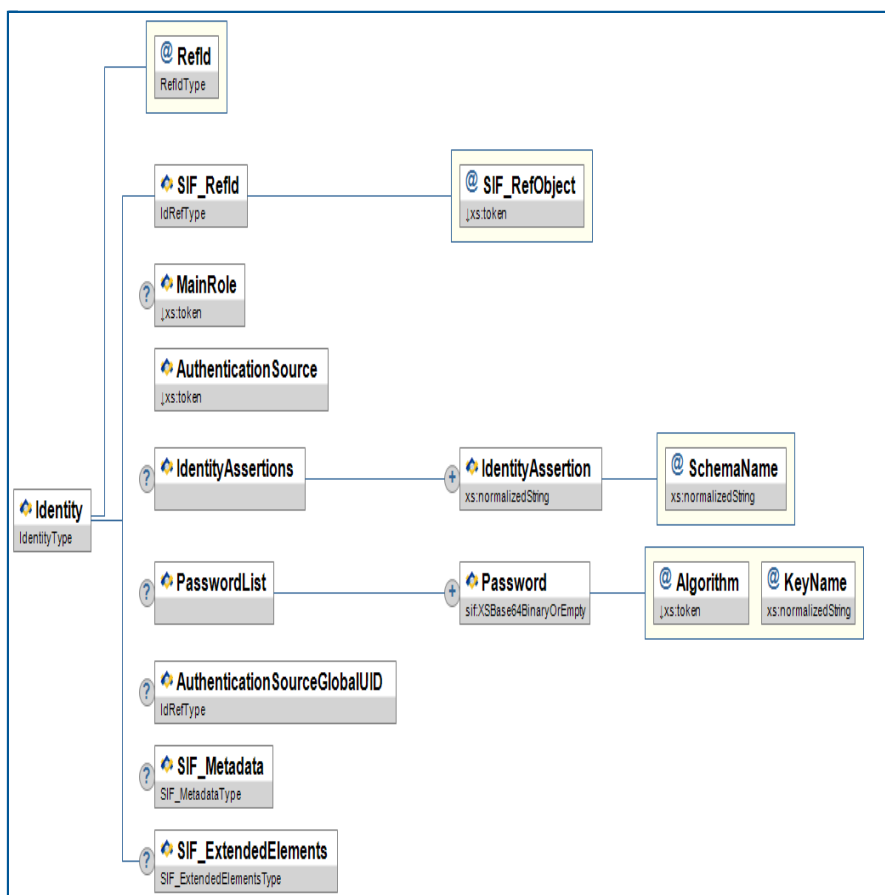


Figure 3.3.10-1: Identity

Element/@Attribute	Char	Description	Type
Identity		This object allows a system that stores network identities and/or passwords to share them with other applications through SIF. The provider of the <code>Identity</code> object may only support providing an identity or a password, or it may support both.	
@ RefId	M	The SIF RefId that uniquely identifies this object.	RefIdType
SIF_RefId	M	The SIF RefId of a <code>LearnerPersonal</code> , <code>WorkforcePersonal</code> , or <code>ContactPersonal</code> object.	IdRefType
@ SIF_RefObject	M	The type of SIF object that the <code>SIF_RefId</code> attribute identifies.	values: <code>LearnerPersonal</code> <code>WorkforcePersonal</code> <code>ContactPersonal</code>
MainRole	O	Indicates whether or not the Person that this object refers to is the main role for this Identity.	values: <code>Yes</code> <code>No</code>
AuthenticationSource	M	The type of source system that produced this <code>Identity</code> object. See implementation notes for provider requirements.	values: <code>UKAccessShibboleth</code> <code>MSActiveDirectory</code> <code>NovellLDS</code> <code>OpenDirectory</code> <code>Other</code>
IdentityAssertions	O	The list of identity assertions for this user.	<code>ActionList</code> (<code>IdentityAssertion/@SchemaName</code>)
IdentityAssertions/IdentityAssertion	MR	The identification string for this user.	<code>xs:normalizedString</code>

Element/@Attribute	Char	Description	Type
@ SchemaName	M	The name of the field. See implementation notes for details on required schema elements. Examples eduPersonPrincipalName sAmAccountName	xs:normalizedString
PasswordList	O	Allows a provider or publisher to specify the same password using multiple algorithms, if supported.	List
PasswordList/Password	MR	A representation of the user's password using the given algorithm.	xs:base64Binary
@ Algorithm	M	The method used to encrypt the user's password. See the implementation details below.	values: MD5 SHA1 DES TripleDES RC2 AES RSA
@ KeyName	M	The name of the key to be used for decryption of the password. Left blank for hash algorithms (MD5 and SHA1).	xs:normalizedString
AuthenticationSourceGlobalUID	O	The globally unique identifier that links together separate Identity objects which reference the same Person.	IdRefType
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.10-1: Identity

```

<Identity RefId="4286194F43ED43C18EE2F0A27C4BEF86">
  <SIF_RefId SIF_RefObject="LearnerPersonal">23B08571E4D645C3B82A3E52E5349925</SIF_RefId>
  <AuthenticationSource>UKAccessShibboleth</AuthenticationSource>
  <IdentityAssertions>
    <IdentityAssertion SchemaName="eduPersonPrincipalName">john.doe@asdf.sch.uk</IdentityAssertion>
  </IdentityAssertions>
  <AuthenticationSourceGlobalUID>A9A6CB2BC49344278C1FD6587D448B35</AuthenticationSourceGlobalUID>
</Identity>

```

Example 3.3.10-1: Identity published by a UK Access Federation Shibboleth Provider

```

<SIF_Message Version="2.4" xmlns="http://www.sifinfo.org/uk/infrastructure/2.x">
  <SIF_Response>
    <SIF_Header>
      <SIF_MsgId>1BCD10580EF250789012AC0554321EA2</SIF_MsgId>
      <SIF_Timestamp>2006-02-18T08:39:40-08:00</SIF_Timestamp>
      <SIF_SourceId>SISAgent</SIF_SourceId>
      <SIF_DestinationId>NetworkAgent</SIF_DestinationId>
    </SIF_Header>
    <SIF_RequestMsgId>FE1078BA3261545A319059376B3A4898</SIF_RequestMsgId>
    <SIF_PacketNumber>1</SIF_PacketNumber>
    <SIF_MorePackets>No</SIF_MorePackets>
    <SIF_ObjectData>
      <Identity RefId="4286194F43ED43C18EE2F0A27C4BEF87">
        <SIF_RefId SIF_RefObject="WorkforcePersonal">23B08571E4D645C3B82A3E52E5349925</SIF_RefId>
        <MainRole>Yes</MainRole>
        <AuthenticationSource>UKAccessShibboleth</AuthenticationSource>
        <IdentityAssertions>
          <IdentityAssertion SchemaName="eduPersonPrincipalName">john.doe@asdf.sch.uk</IdentityAssertion>
        </IdentityAssertions>
        <AuthenticationSourceGlobalUID>FFEC703CF9D142018A7BDB9E127EDC41</AuthenticationSourceGlobalUID>
      </Identity>
      <Identity RefId="4286194F43ED43C18EE2F0A27C4BEF88">
        <SIF_RefId SIF_RefObject="ContactPersonal">AAAA8571E4D645C3B82A3E52E534AAAA</SIF_RefId>
        <MainRole>No</MainRole>
        <AuthenticationSource>UKAccessShibboleth</AuthenticationSource>
        <IdentityAssertions>
          <IdentityAssertion SchemaName="eduPersonPrincipalName">john.doe@asdf.sch.uk</IdentityAssertion>
        </IdentityAssertions>
        <AuthenticationSourceGlobalUID>FFEC703CF9D142018A7BDB9E127EDC41</AuthenticationSourceGlobalUID>
      </Identity>
    </SIF_ObjectData>
  </SIF_Response>
</SIF_Message>

```

Example 3.3.10-2: Two Identity objects with the same IdentityAssertion and AuthenticationSourceGlobalUID

```
<Identity RefId="4286194F43ED43C18EE2F0A27C4BEF86">
  <SIF_RefId SIF_RefObject="LearnerPersonal">23B08571E4D645C3B82A3E52E5349925</SIF_RefId>
  <AuthenticationSource>MSActiveDirectory</AuthenticationSource>
  <IdentityAssertions>
    <IdentityAssertion SchemaName="sAmAccountName">user01</IdentityAssertion>
    <IdentityAssertion SchemaName="userPrincipalName">user01@asdf.sch.uk</IdentityAssertion>
    <IdentityAssertion SchemaName="distinguishedName">cn=User01,cn=Users,dc=org</IdentityAssertion>
  </IdentityAssertions>
  <AuthenticationSourceGlobalUID>A9A6CB2BC49344278C1FD6587D448B35</AuthenticationSourceGlobalUID>
</Identity>
```

Example 3.3.10-3: Identity published by Microsoft Active Directory

```
<Identity RefId="2B5CCB1AC6514C658932D5A4DE846A9F">
  <SIF_RefId SIF_RefObject="LearnerPersonal">3B78080EED1B47EEA5017CC5989D0CEC</SIF_RefId>
  <AuthenticationSource>UKAccessShibboleth</AuthenticationSource>
  <IdentityAssertions>
    <IdentityAssertion SchemaName="sAMAccountName">j.bloggs</IdentityAssertion>
  </IdentityAssertions>
  <PasswordList>
    <Password Algorithm="RSA" KeyName="EncryptionKey1">U01GIFJvY2tzIQ==</Password>
  </PasswordList>
  <AuthenticationSourceGlobalUID>E46B3457AD7B4698B1F19643214441D2</AuthenticationSourceGlobalUID>
  <SIF_ExtendedElements />
</Identity>
```

Example 3.3.10-4: An Identity object using the RSA enumeration value

3.3.11 Junction

A representation of the Curriculum Diagram.

SIF_Events are reported for this object.

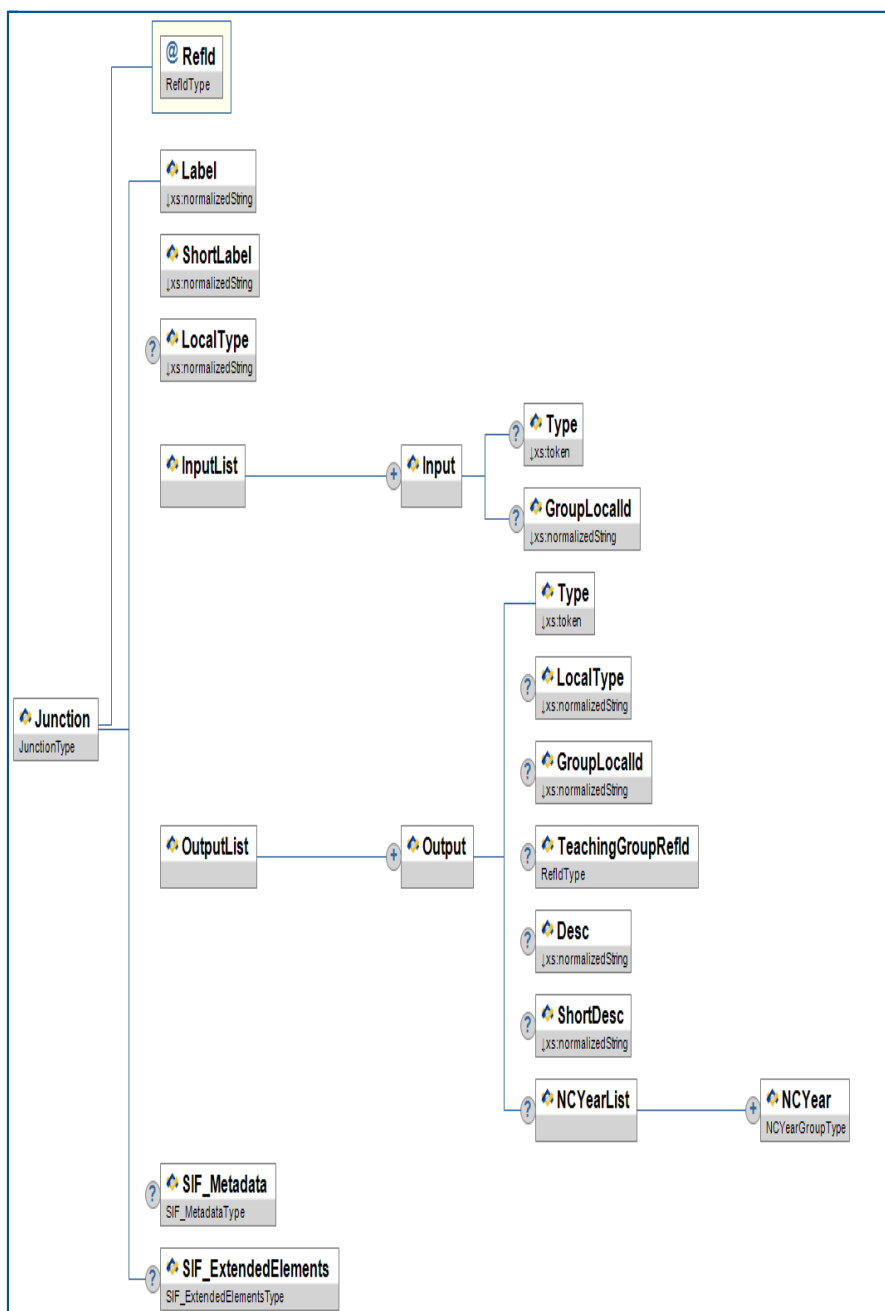


Figure 3.3.11-1: Junction

Element/@Attribute	Char	Description	Type
Junction		A representation of the Curriculum Diagram.	
@RefId	M	A unique local identifier for this junction	RefIdType
Label	M	A free-format label that describes the junction. Used for display purposes in the MIS and/or TT-Software.	xs:normalizedString xs:maxLength 40
ShortLabel	M	A shorter version of Label, for display purposes.	xs:normalizedString xs:maxLength 20
LocalType	O	An optional way for the TT-Software to provide information about the "type" of junction (eg: "band" or "block")	xs:normalizedString xs:maxLength 30

Element/@Attribute	Char	Description	Type
InputList	M	List of one or more input groups	List
InputList/Input	MR	The input(s) into this junction	
InputList/Input/Type	C	Conditional and has only one value: "SC". "SC" has special meaning – it means this is the top of the "tree" and the input is the whole school.	values: SC School
InputList/Input/GroupLocalId	C	If Type != "SC", this is the LocalId of another junction output	xs:normalizedString xs:maxLength 12
OutputList	M	List of one or more output junctions	List
OutputList/Output	MR		
OutputList/Output/Type	M	"TG" has special meaning – it means this is the bottom of the "tree" and the output is a TeachingGroup. "YR" means a year (or "principal division") within the school (7,8,9,etc).	values: TG TeachingGroup YR Year GR Other Groups
OutputList/Output/LocalType	O	An optional way for the TT-Software to provide information about the "type" of junction (eg: "band" or "block").	xs:normalizedString xs:maxLength 30
OutputList/Output/GroupLocalId	C	Unique LocalID of this junction output	xs:normalizedString xs:maxLength 12
OutputList/Output/TeachingGroupRefId	C	If Type = "TG" then include here the TeachingGroupID (see TeachingGroup)	RefIdType
OutputList/Output/Desc	C	Description. Required if Type is not "TG". Optional if Type is "TG" (since a TG has its own ShortName and LongName already)	xs:normalizedString xs:maxLength 40
OutputList/Output/ShortDesc	C	A shorter version of Desc, for display purposes	xs:normalizedString xs:maxLength 12
OutputList/Output/NCYearList	C	Can only be present if 'Output/Type' = "YR" and even then, it is optional. Used to denote the NC Year Group of the "YR" (or give more than one NC Year Group if this is a combined-year population)	List
OutputList/Output/NCYearList/NCYear	MR	NC Year Group	NCYearGroup
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.11-1: Junction

```

<Junction RefId="3F57DC09701928365AA0176890234654">
  <Label>School years</Label>
  <ShortLabel>Years</ShortLabel>
  <LocalType>Main Divisions</LocalType>
  <InputList>
    <Input>
      <Type>SC</Type>
    </Input>
  </InputList>
  <OutputList>
    <Output>
      <Type>YR</Type>
      <GroupLocalId>Year7</GroupLocalId>
      <Desc>Year 7</Desc>
      <NCYearList>
        <NCYear>7</NCYear>
      </NCYearList>
    </Output>
    <Output>
      <Type>YR</Type>
      <GroupLocalId>Year8</GroupLocalId>
      <Desc>Year 8</Desc>
      <NCYearList>
        <NCYear>8</NCYear>
      </NCYearList>
    </Output>
  </OutputList>
</Junction>

```

Example 3.3.11-1: Junction - 1

```

<Junction RefId="2357DC09701928365AA0176890234654">
  <Label>Basic Groups in Year 7</Label>
  <ShortLabel>Year7 Groups</ShortLabel>
  <LocalType>Basic Groups</LocalType>
  <InputList>
    <Input>
      <GroupLocalId>Year7</GroupLocalId>
    </Input>
  </InputList>
  <OutputList>
    <Output>
      <Type>GR</Type>
      <LocalType>Group</LocalType>
      <GroupLocalId>C#021/7A</GroupLocalId>
      <Desc>7A</Desc>
      <ShortDesc>7A</ShortDesc>
    </Output>
    <Output>
      <Type>GR</Type>
      <LocalType>Group</LocalType>
      <GroupLocalId>C#022/7B</GroupLocalId>
      <Desc>7B</Desc>
      <ShortDesc>7B</ShortDesc>
    </Output>
    <Output>
      <Type>GR</Type>
      <LocalType>Group</LocalType>
      <GroupLocalId>C#024/7C</GroupLocalId>
      <Desc>7C</Desc>
      <ShortDesc>7C</ShortDesc>
    </Output>
  </OutputList>
</Junction>

```

Example 3.3.11-2: Junction - 2

```

<Junction RefId="A234DC09701928365AA0176890234654">
  <Label>7AB (p)</Label>
  <ShortLabel>7p</ShortLabel>
  <LocalType>Band</LocalType>
  <InputList>
    <Input>
      <GroupLocalId>C#021/7A</GroupLocalId>
    </Input>
    <Input>
      <GroupLocalId>C#022/7B</GroupLocalId>
    </Input>
  </InputList>
  <OutputList>
    <Output>
      <Type>GR</Type>
      <LocalType>Band</LocalType>
      <GroupLocalId>C#023/7AB</GroupLocalId>
      <Desc>7AB (p)</Desc>
      <ShortDesc>7p</ShortDesc>
    </Output>
  </OutputList>
</Junction>

```

Example 3.3.11-3: Junction - 3

```

<Junction RefId="2347DC09701928365AA0176890234654">
  <Label>7p Ma</Label>
  <ShortLabel>7p Ma</ShortLabel>
  <LocalType>Block</LocalType>
  <InputList>
    <Input>
      <GroupLocalId>C#023/7AB</GroupLocalId>
    </Input>
  </InputList>
  <OutputList>
    <Output>
      <Type>TG</Type>
      <LocalType>TeachingGroup</LocalType>
      <TeachingGroupRefId>0000000000000000000002437702F4D6131</TeachingGroupRefId>
      <Desc>7p/Ma1</Desc>
      <ShortDesc>7p/Ma1</ShortDesc>
    </Output>
    <Output>
      <Type>TG</Type>
      <LocalType>TeachingGroup</LocalType>
      <TeachingGroupRefId>0000000000000000000002437702F4D6132</TeachingGroupRefId>
      <Desc>7p/Ma2</Desc>
      <ShortDesc>7p/Ma2</ShortDesc>
    </Output>
  </OutputList>
</Junction>

```

Example 3.3.11-4: Junction - 3

3.3.12 LAInfo

This object contains information about a Local Authority (LA). Compare with US/Canada object: `LEAInfo`.

SIF_Events are reported for this object.

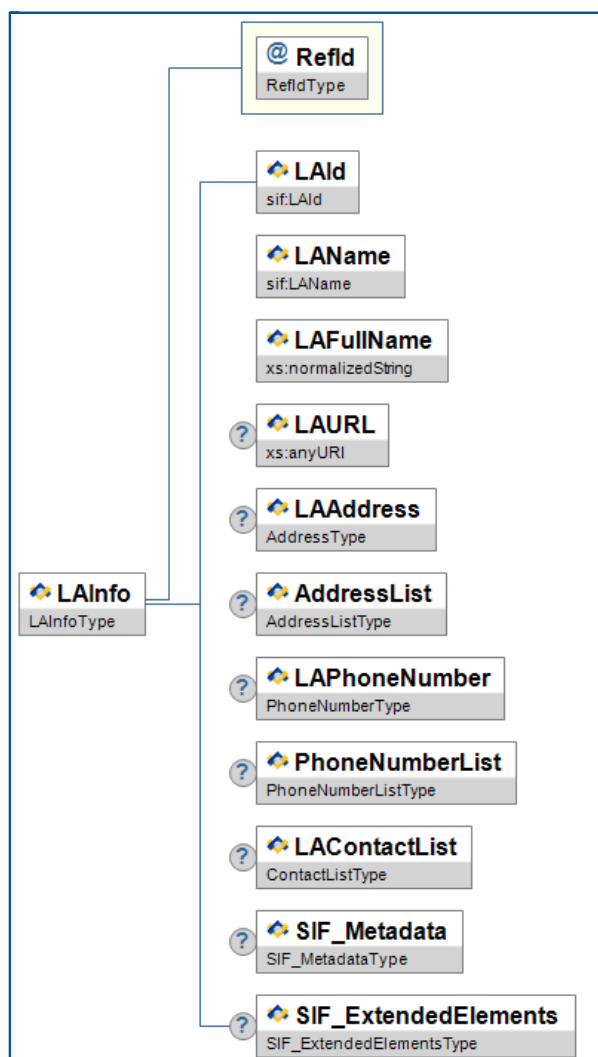


Figure 3.3.12-1: LAInfo

Element/@Attribute	Char	Description	Type
--------------------	------	-------------	------

Element/@Attribute	Char	Description	Type
Element/@Attribute	Char	Description	Type
LAInfo		This object contains information about a Local Authority (LA). Compare with US/Canada object: LEAInfo.	
 RefId	M	The GUID of the LA whose information this is.	RefIdType
LAId	M	The 3-digit LA number assigned by DfES.	LAId
LAName	M	The LA's short name to be used for reporting purposes. Normally, the word "Council" should not be included.	LAName
LAFullName	M	The LA's full name.	xs:normalizedString
LAURL	O	URL for the main LA website.	xs:anyURI
LAAddress	O	The LA's main address information.	Address
AddressList	O	A list of the LA's other addresses, if any.	AddressList
LAPhoneNumber	O	The LA's primary phone number.	PhoneNumber
PhoneNumberList	O	A list of the LA's other phone number(s).	PhoneNumberList
LAContactList	O	A list of contacts within the LA.	ContactList
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.12-1: LAInfo

```

<LAInfo RefId="81559915646EBEC342277E6D2AA5EAEA">
  <LAId>330</LAId>
  <LAName>BIRMINGHAM</LAName>
  <LAFullName>Birmingham City Council</LAFullName>
  <LAURL>http://www.birmingham.gov.uk</LAURL>
  <LAAddress Type="Mailing">
    <PAON>
      <Description>Victoria Square</Description>
    </PAON>
    <SAON>
      <Description>Council House</Description>
    </SAON>
    <AdministrativeArea>Birmingham</AdministrativeArea>
    <PostCode>B1 1BB</PostCode>
    <Country>GBR</Country>
  </LAAddress>
  <LAPhoneNumber Type="W">
    <Number>01213039944</Number>
  </LAPhoneNumber>
  <LAContactList>
    <Contact SIF_RefId="7B391229EC3911DBA762000E0CA444AF" SIF_RefObject="ContactPersonal">
      <PositionTitle>Chief Auditor</PositionTitle>
      <Role>Financial auditor</Role>
      <PublishInDirectory>Yes</PublishInDirectory>
    </Contact>
    <Contact SIF_RefId="9AB56229EC3911DBA762000E0C57A9E3" SIF_RefObject="ContactPersonal">
      <PositionTitle>Building Inspector</PositionTitle>
      <Role>Maintains buildings per city codes</Role>
      <PublishInDirectory>Yes</PublishInDirectory>
    </Contact>
  </LAContactList>
</LAInfo>

```

Example 3.3.12-1: LAInfo

3.3.13 LearnerAssessmentResponseSet

The set of all responses provided by a learner while taking an assessment. This information represents the raw input data that is then evaluated to produce one or more scores, marks, or grades for the learner.

SIF_Events are reported for this object.

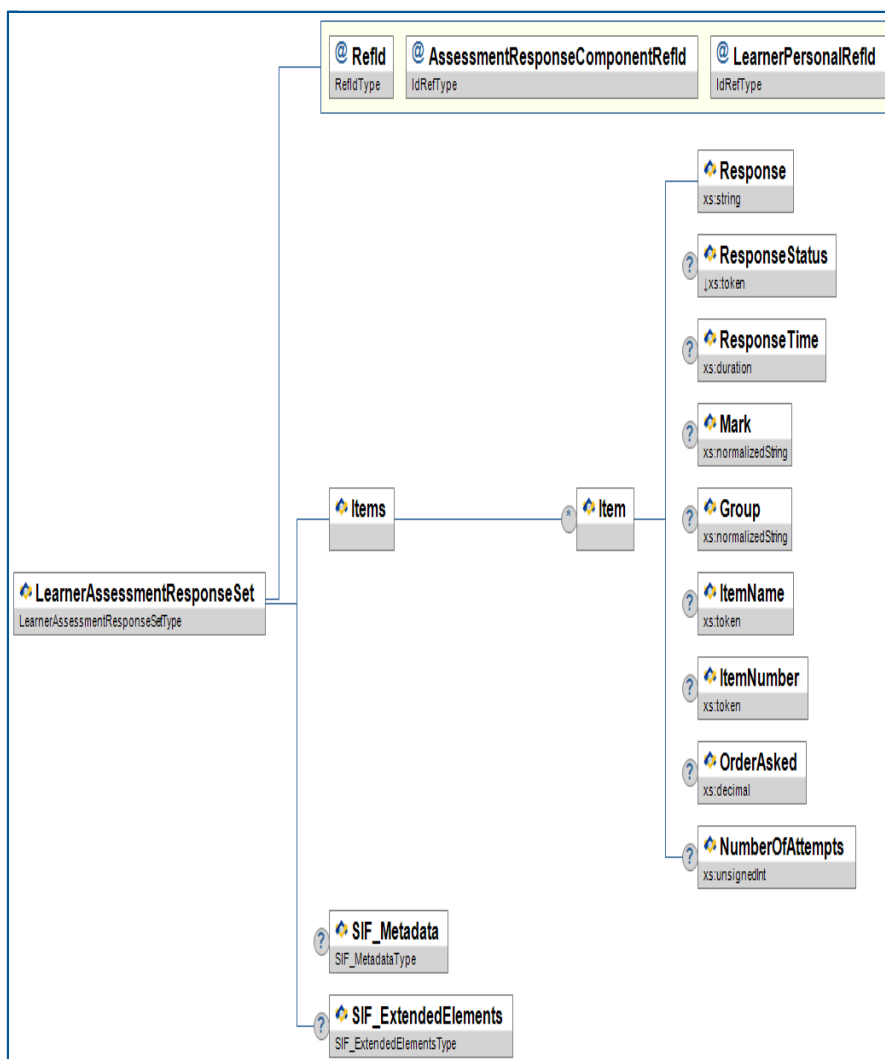


Figure 3.3.13-1: LearnerAssessmentResponseSet

Element/@Attribute	Char	Description	Type
LearnerAssessmentResponseSet		The set of all responses provided by a learner while taking an assessment. This information represents the raw input data that is then evaluated to produce one or more scores, marks, or grades for the learner.	
@ RefId	M	The ID (GUID) that uniquely identifies this response set.	RefIdType
@ AssessmentResponseComponentRefId	M	The ID (GUID) of the assessment response component that the responses are associated with	IdRefType
@ LearnerPersonalRefId	M	The ID (GUID) of the Learner for whom these responses are.	IdRefType
Items	M	A container for item responses.	List
Items/Item	OR	An item contains response data and metadata. An item is defined as the stimuli presented to a learner to evoke a response for the purpose of evaluation. In most cases an item equates to a single question on the assessment.	

Element/@Attribute	Char	Description	Type
Items/Item/Response	M	Learner selection or response in raw format.	xs:string
Items/Item/ResponseStatus	O	Status of the response.	values: Correct Incorrect Complete PartiallyComplete Viewed NotViewed NotAnswered Attempted (viewed but no response given) Incomplete
Items/Item/ResponseTime	O	The length of time the learner took to respond.	xs:duration
Items/Item/Mark	O	The mark achieved for this item as evaluated by the assessment tool at the time of assessment.	xs:normalizedString
Items/Item/Group	O	The item group within the assessment.	xs:normalizedString
Items/Item/ItemName	O	Identifies the item on the assessment by name.	xs:token
Items/Item/ItemNumber	O	Identifies the item by number on the assessment.	xs:token
Items/Item/OrderAsked	O	The order in which the item was asked.	xs:decimal
Items/Item/NumberOfAttempts	O	The number of times a learner changes their answer or attempts a response.	xs:unsignedInt
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.13-1: LearnerAssessmentResponseSet

```

<LearnerAssessmentResponseSet RefId="D6548D9AE6B87192AE98384174359C32" AssessmentResponseComponentRefId="7192AE98384139051CC755293A2117BC" Learner
  <Items>
    <Item>
      <Response>C</Response>
      <ResponseStatus>Complete</ResponseStatus>
      <ResponseTime>PT32S</ResponseTime>
      <Mark>Y</Mark>
      <Group>Writing Section 3</Group>
      <ItemName>Writing 3A</ItemName>
      <ItemNumber>W3A</ItemNumber>
      <OrderAsked>1</OrderAsked>
      <NumberOfAttempts>2</NumberOfAttempts>
    </Item>
  </Items>
</LearnerAssessmentResponseSet>

```

Example 3.3.13-1: LearnerAssessmentResponseSet

3.3.14 LearnerAssessmentResult

A single result for a learner.

SIF_Events are reported for this object.

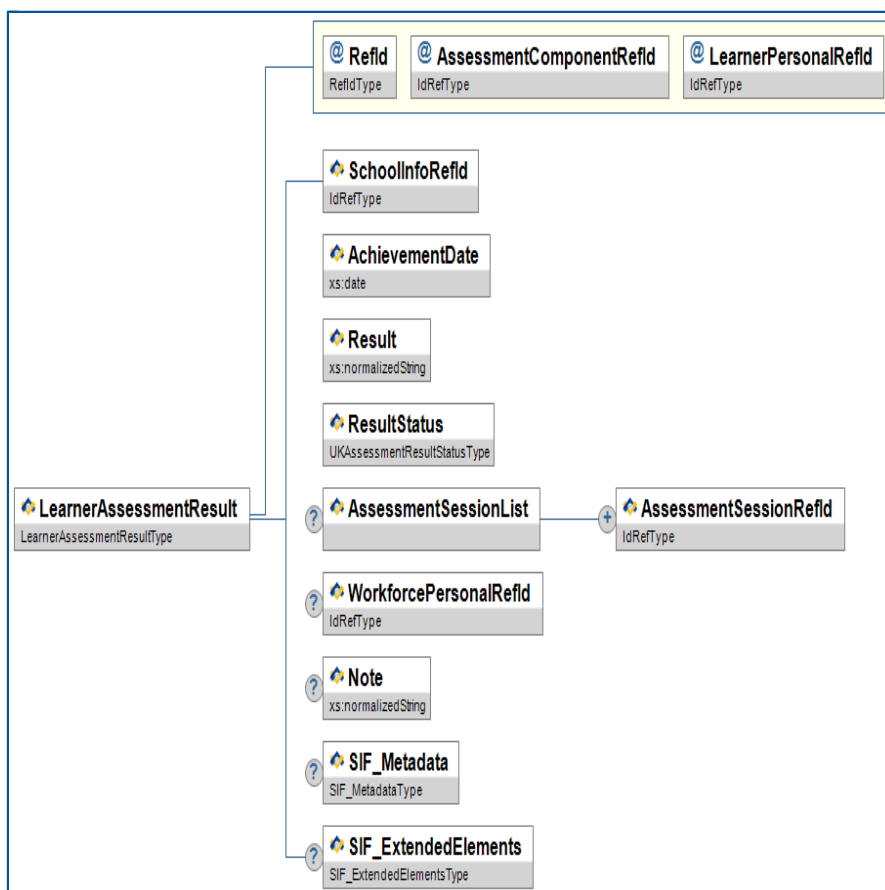


Figure 3.3.14-1: LearnerAssessmentResult

Element/@Attribute	Char	Description	Type
LearnerAssessmentResult		A single result for a learner.	
@RefId	M	The ID (GUID) of this result.	RefIdType
@AssessmentComponentRefId	M	The assessment component that the result is for.	IdRefType
@LearnerPersonalRefId	M	The ID (GUID) of the learner achieving the results.	IdRefType
SchoolInfoRefId	M	The school at which the assessment was taken.	IdRefType
AchievementDate	M	The date the results were achieved.	xs:date
Result	M	A grade title, a comment, or a mark (dependent on ComponentType of associated aspect). Marks and grades should be valid in the grade set or mark set on the date the assessment was achieved.	xs:normalizedString
ResultStatus	M	Indicates whether the result is estimated, an interim result, provisional, actual result or a target.	UKAssessmentResultStatusType
AssessmentSessionList	O	The sessions which led to the result generation.	List

Element/@Attribute	Char	Description	Type
AssessmentSessionList/AssessmentSessionRefId	MR	The ID (GUID) that uniquely identifies the session associated with the result.	IdRefType
WorkforcePersonalRefId	O	The ID (GUID) that uniquely identifies the teacher or staff member who created the result.	IdRefType
Note	O	Explanatory/usage notes for result.	xs:normalizedString
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O	Use extended elements to define additional information to be preserved with this result data including any learner demographic data known to be valid at the time of assessment and not otherwise specified.	SIF_ExtendedElements

Table 3.3.14-1: *LearnerAssessmentResult*

```
<LearnerAssessmentResult RefId="A2117D9192AE98AE59C326B873841743" AssessmentComponentRefId="7192AE98384139051CC755293A2117BC" LearnerPersonalRefId="7192AE98384139051CC755293A2117BC" SchoolInfoRefId="845628E00D2E7129487A7AC32598F106" AchievementDate="2007-03-04" Result="11" ResultStatus="R"/>
```

Example 3.3.14-1: *LearnerAssessmentResult*

3.3.15 LearnerAttendance

This object provides attendance information for a particular learner in a particular school for a particular period of time. The time can be specified as before, during, or after school and may be for any period of time, including lessons.

SIF_Events are reported for this object.

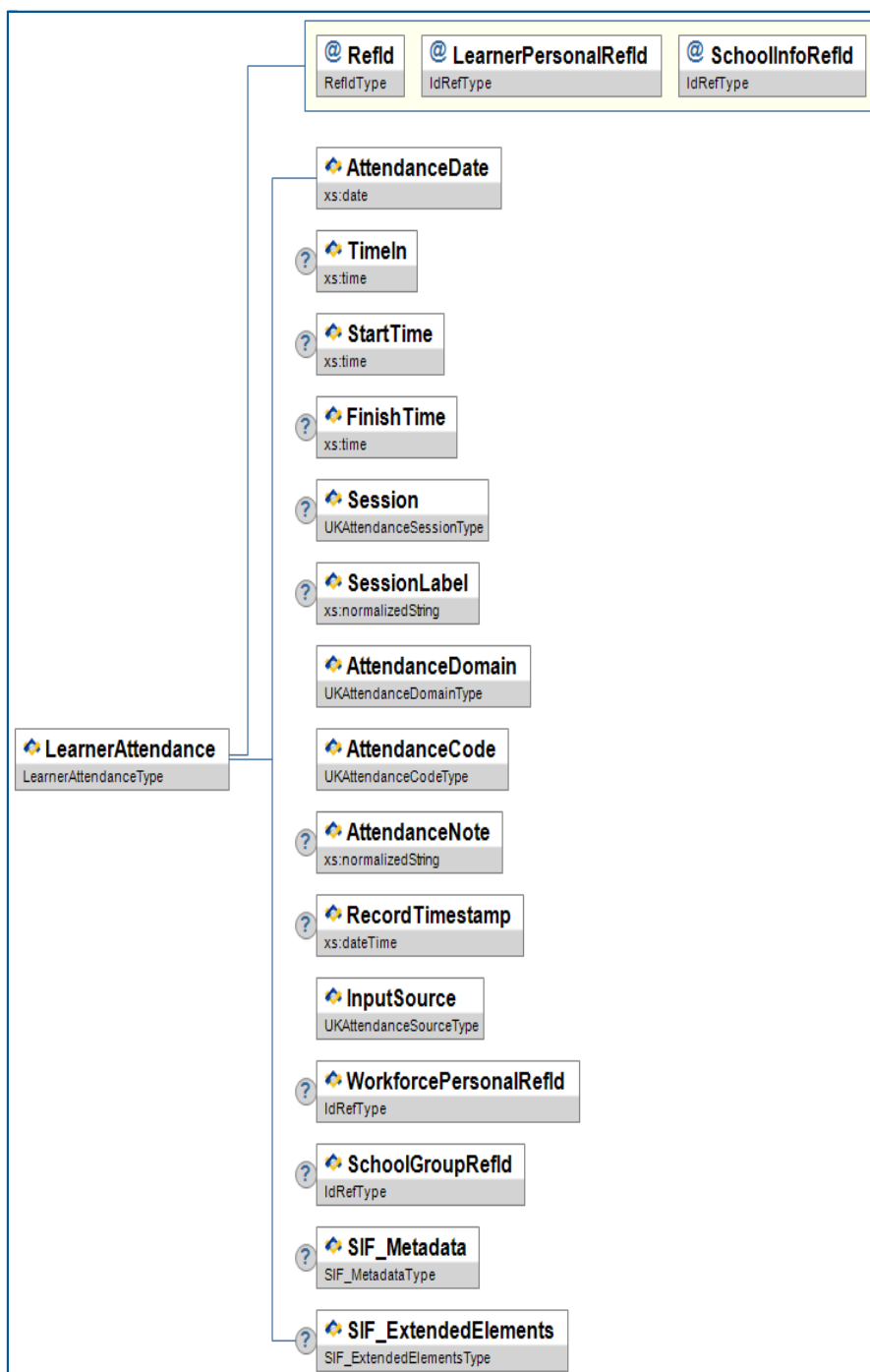


Figure 3.3.15-1: LearnerAttendance

Element/@Attribute	Char	Description	Type
LearnerAttendance		This object provides attendance information for a particular learner in a particular school for a particular period of time. The time can be specified as before, during, or after school and may be for any period of time, including lessons.	
@ RefId 	M	The ID (GUID) assigned to uniquely identify this attendance record.	RefIdType
@ LearnerPersonalRefId	M	The ID (GUID) of the learner for which this attendance mark is recorded.	IdRefType
@ SchoolInfoRefId	M	The school where the attendance mark was taken.	IdRefType

Element/@Attribute	Char	Description	Type
AttendanceDate	M	The date of the attendance period.	xs:date
TimeIn	O	The time when the learner began the attendance period.	xs:time
StartTime	C	The time the attendance period started. StartTime is required when this object represents a lesson	xs:time
FinishTime	O	The time the attendance period finished.	xs:time
Session	C	The session within which this attendance mark applies (e.g. AM/PM). Session is required when StartTime is not specified and the object refers to a session attendance mark (i.e. AttendanceDomain is session).	UKAttendanceSessionType
SessionLabel	O	A label associated with the session to further describe the session, when applicable.	xs:normalizedString
AttendanceDomain	M	The attendance type.	UKAttendanceDomainType
AttendanceCode	M	The attendance mark/code.	UKAttendanceCodeType
AttendanceNote	C	Additional comments. Required when record is specified as a correction.	xs:normalizedString
RecordTimestamp	O	The date/time when recorded. When more than one record exists using the same RefId, the record with the latest timestamp is assumed to be the most current. This is possible when a record is republished due to corrections.	xs:dateTime
InputSource	M	The source of the attendance record data. Could be Workforce member, biometric device, or other.	UKAttendanceSourceType
WorkforcePersonalRefId	O	The ID (GUID) of the staff member responsible for recording this attendance information.	IdRefType
SchoolGroupRefId	O	The ID (GUID) of the group that this attendance applies to. Useful when the attendance period corresponds to a lesson time.	IdRefType
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.15-1: LearnerAttendance

```

<LearnerAttendance RefId="749382AD4800123C9ED02054FB7842B7" LearnerPersonalRefId="98120AB87459381AB064829763D0934A" SchoolInfoRefId="44AC870904874"
  <AttendanceDate>2008-04-15</AttendanceDate>
  <TimeIn>08:03:44</TimeIn>
  <StartTime>08:00:00</StartTime>
  <FinishTime>08:40:00</FinishTime>
  <Session>AM</Session>
  <SessionLabel>AM Session</SessionLabel>
  <AttendanceDomain>Both</AttendanceDomain>
  <AttendanceCode></AttendanceCode>
  <RecordTimestamp>2008-04-16T10:45:21Z</RecordTimestamp>
  <InputSource>WF</InputSource>
  <WorkforcePersonalRefId>6589320A7DE45610487389EE348A2341</WorkforcePersonalRefId>
  <SchoolGroupRefId>94278329AE45903845F109E45934BA17</SchoolGroupRefId>
</LearnerAttendance>

```

Example 3.3.15-1: LearnerAttendance

3.3.16 LearnerAttendanceSummary

This object provides a summary of a learner's daily attendance and membership information for a given school during the time period between the StartDate and EndDate, inclusive. As such, there may be multiple instances of this object for a learner in a school over the course of an academic school year. Note that sessions are defined by each school and in most cases is two but can be any number in the range 1-10. Compare with US/Canada object: *StudentAttendanceSummary*.

SIF_Events are reported for this object.

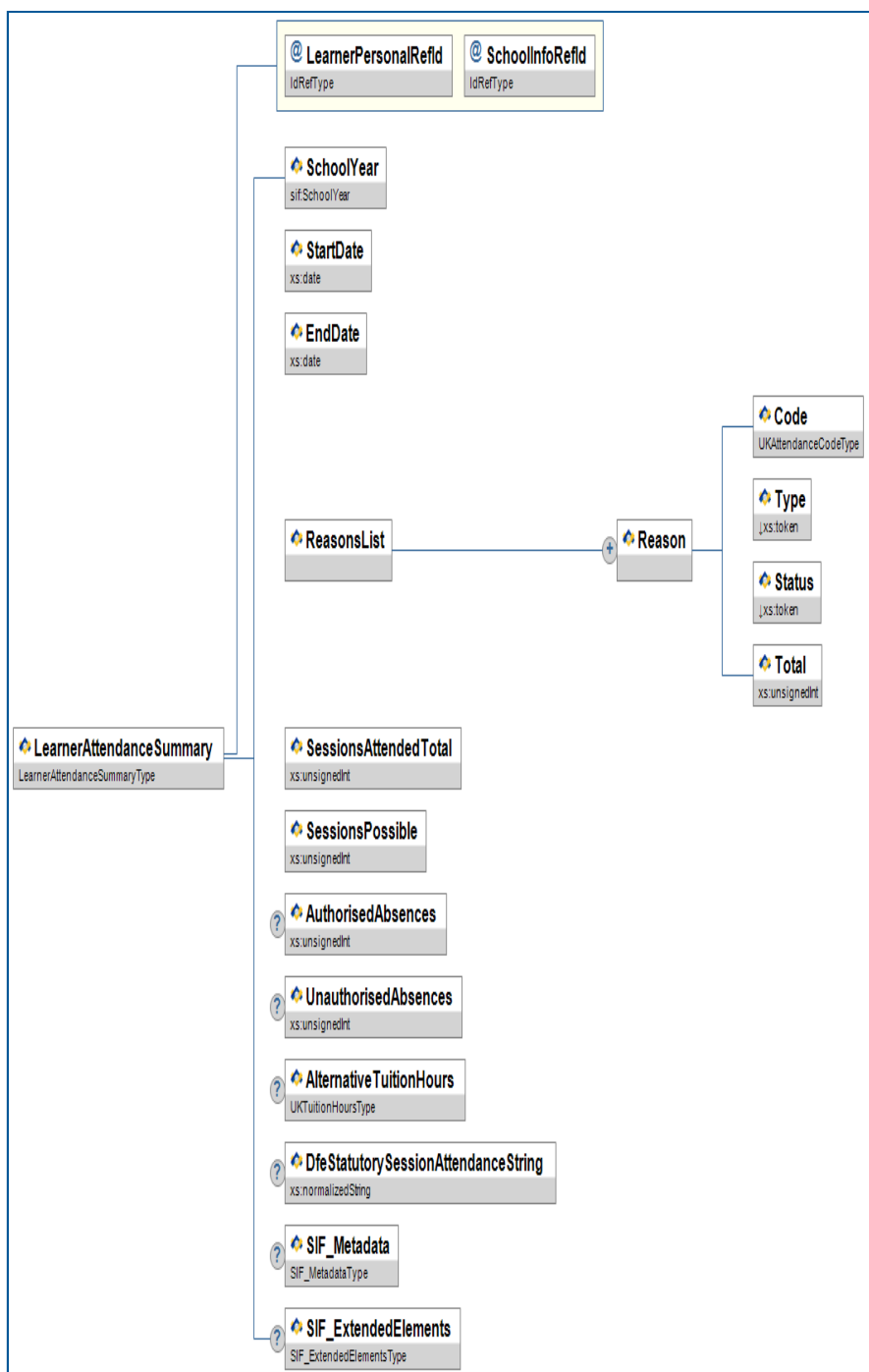


Figure 3.3.16-1: *LearnerAttendanceSummary*

Element/@Attribute	Char	Description	Type
LearnerAttendanceSummary		This object provides a summary of a learner's daily attendance and membership information for a given school during the time period between the StartDate and EndDate, inclusive. As such, there may be multiple instances of this object for a learner in a school over the course of an academic school year. Note that sessions are defined by each school and in most cases is two but can be any number in the range 1-10. Compare with US/Canada object: <i>StudentAttendanceSummary</i> .	
@ LearnerPersonalRefId	M	The ID (GUID) of the learner for whom this attendance information is being reported.	IdRefType
@ SchoolInfoRefId	M	The ID (GUID) of the school for which this attendance information is being reported.	IdRefType

	Element/@Attribute	Char	Description	Type
	SchoolYear	M	School year for which this information is applicable, expressed as the four-digit year in which the school year ends (e.g. 2007 for the 2006/07 school year).	SchoolYear
	StartDate	M	Starting date of this attendance reporting period.	xs:date
	EndDate	M	Ending date of this attendance reporting period.	xs:date
	ReasonsList	M	An enumeration of sessions by reason code within the reporting period.	List
	ReasonsList/Reason	MR	Learner attendance marks by code and number.	
	ReasonsList/Reason/Code	M	The attendance code.	UKAttendanceCodeType
	ReasonsList/Reason/Type	M	The attendance code type.	values: Absent EarlyDeparture Late Partial Present Other NA
	ReasonsList/Reason/Status	M	The authorised status of the attendance code.	values: Authorised Unauthorised Unknown NA
	ReasonsList/Reason/Total	M	The total number of sessions attributed to this reason between StartDate and EndDate for the specified reason.	xs:unsignedInt
	SessionsAttendedTotal	M	The number of sessions the learner attended school when school was in session between the StartDate and EndDate, inclusive.	xs:unsignedInt
	SessionsPossible	M	The number of sessions the learner was present plus the number of sessions the learner was absent (authorised and unauthorised) when school was in session during the period between the StartDate and EndDate, inclusive.	xs:unsignedInt
	AuthorisedAbsences	O	The number of sessions the learner was absent from school with a valid excuse when school was in session between the StartDate and EndDate, inclusive. Note that ts column can be derived from Reason Status.	xs:unsignedInt
	UnauthorisedAbsences	O	The number of sessions the learner was absent from school without a valid excuse when school was in session between the StartDate and EndDate, inclusive. Note that this column can be derived from Reason Status.	xs:unsignedInt
	AlternativeTuitionHours	O	Number of Alternative Tuition (whole) hours attended between the StartDate and EndDate, inclusive.	UKTuitionHoursType
	DfeStatutorySessionAttendanceString	O	Learner morning and afternoon session registration marks as per DfE statutory definition. This data item is a concatenation of all DfE statutory session attendance codes recorded for the given Learner starting on the morning session of the StartDate this object refers to and ending on the afternoon session of EndDate.	xs:normalizedString
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.16-1: LearnerAttendanceSummary

```

<LearnerAttendanceSummary LearnerPersonalRefId="FD5976C1E29B11DBBB7C000F1F655C13" SchoolInfoRefId="43B3A82FDC8D11DBBB7C000F1F655C13">
  <SchoolYear>2007</SchoolYear>
  <StartDate>2006-10-01</StartDate>
  <EndDate>2007-10-01</EndDate>
  <ReasonsList>
    <Reason>
      <Code>J</Code>
      <Type>Absent</Type>
      <Status>Authorised</Status>
      <Total>1</Total>
    </Reason>
    <Reason>
      <Code>W</Code>
      <Type>Absent</Type>
      <Status>Authorised</Status>
      <Total>3</Total>
    </Reason>
    <Reason>
      <Code>H</Code>
      <Type>Absent</Type>
      <Status>Authorised</Status>
      <Total>14</Total>
    </Reason>
    <Reason>
      <Code>I</Code>
      <Type>Absent</Type>
      <Status>Authorised</Status>
      <Total>349</Total>
    </Reason>
    <Reason>
      <Code>G</Code>
      <Type>Absent</Type>
      <Status>Authorised</Status>
      <Total>16</Total>
    </Reason>
    <Reason>
      <Code>L</Code>
      <Type>Late</Type>
      <Status>Authorised</Status>
      <Total>58</Total>
    </Reason>
    <Reason>
      <Code>D</Code>
      <Type>Absent</Type>
      <Status>Authorised</Status>
      <Total>4187</Total>
    </Reason>
    <Reason>
      <Code>C</Code>
      <Type>Absent</Type>
      <Status>Authorised</Status>
      <Total>573</Total>
    </Reason>
    <Reason>
      <Code>V</Code>
      <Type>Absent</Type>
      <Status>Authorised</Status>
      <Total>20</Total>
    </Reason>
    <Reason>
      <Code>U</Code>
      <Type>Absent</Type>
      <Status>Authorised</Status>
      <Total>1</Total>
    </Reason>
    <Reason>
      <Code>N</Code>
      <Type>Absent</Type>
      <Status>Unauthorised</Status>
      <Total>18</Total>
    </Reason>
    <Reason>
      <Code>B</Code>
      <Type>Absent</Type>
      <Status>Authorised</Status>
      <Total>87</Total>
    </Reason>
    <Reason>
      <Code>M</Code>
      <Type>Absent</Type>
      <Status>Authorised</Status>
      <Total>115</Total>
    </Reason>
    <Reason>
      <Code>O</Code>
      <Type>Absent</Type>
      <Status>Authorised</Status>
      <Total>462</Total>
    </Reason>
  </ReasonsList>
  <SessionsAttendedTotal>157</SessionsAttendedTotal>
  <SessionsPossible>238</SessionsPossible>
  <AuthorisedAbsences>73</AuthorisedAbsences>
  <UnauthorisedAbsences>8</UnauthorisedAbsences>
</LearnerAttendanceSummary>

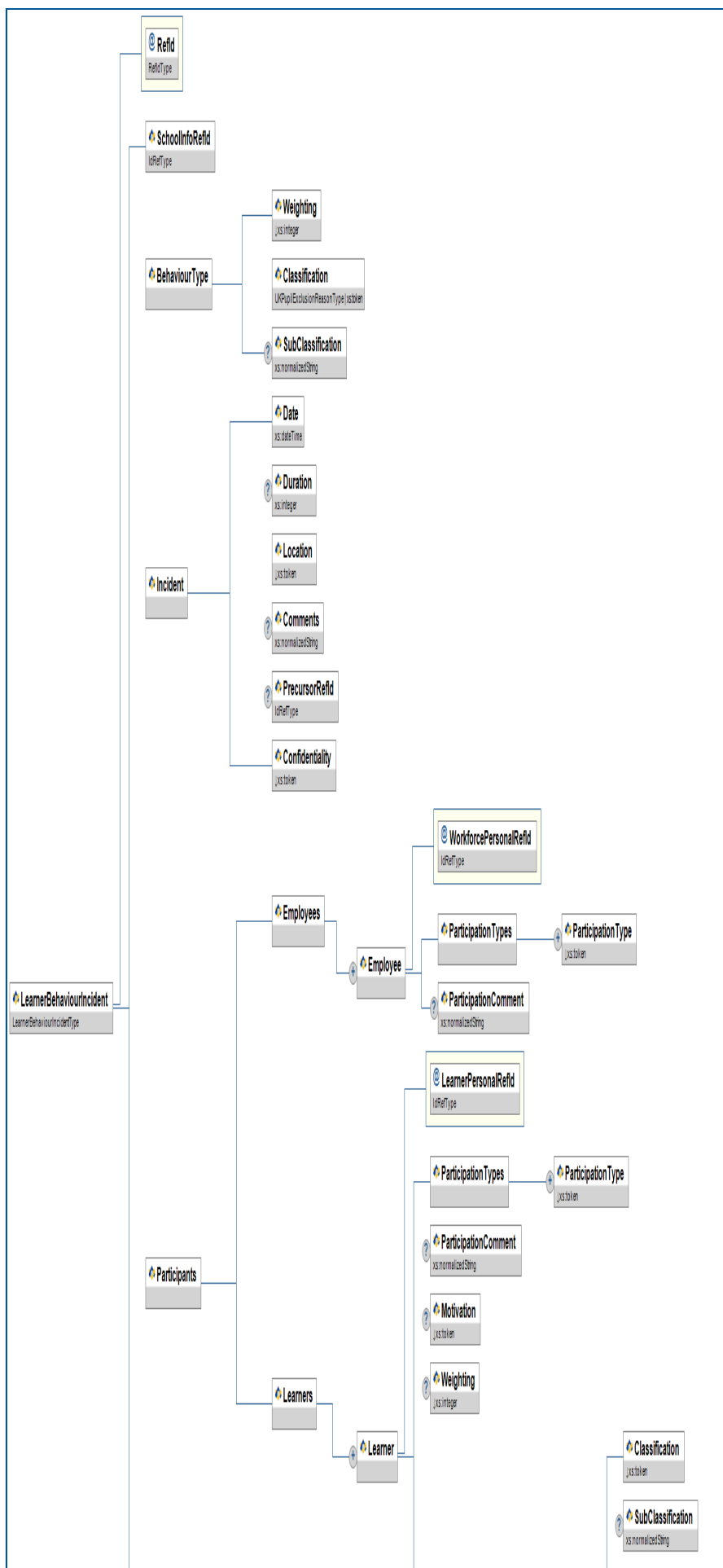
```

Example 3.3.16-1: LearnerAttendanceSummary

3.3.17 LearnerBehaviourIncident

Object to represent a behaviour incident at an educational establishment

SIF_Events are reported for this object.



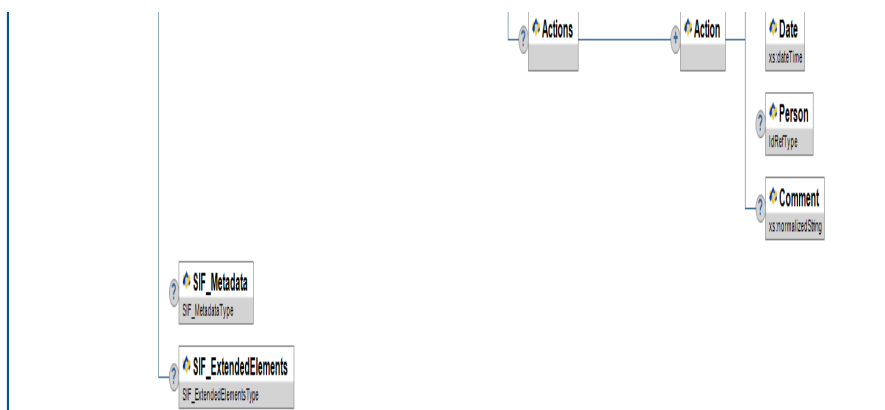


Figure 3.3.17-1: LearnerBehaviourIncident

Element/@Attribute	Char	Description	Type						
LearnerBehaviourIncident		Object to represent a behaviour incident at an educational establishment							
 RefId	M	The ID (GUID) that uniquely identifies a particular incident	RefIdType						
SchoolInfoRefId	M	The ID (GUID) of the school that the event takes place.	IdRefType						
BehaviourType	M	The type of this Behaviour							
BehaviourType/Weighting	M	An indicator of the positive / Negative nature and severity of behaviour	xs:integer <table><tr><td>xs:minInclusive</td><td>-10</td></tr><tr><td>xs:maxInclusive</td><td>10</td></tr><tr><td>xs:fractionDigits</td><td>0</td></tr></table>	xs:minInclusive	-10	xs:maxInclusive	10	xs:fractionDigits	0
xs:minInclusive	-10								
xs:maxInclusive	10								
xs:fractionDigits	0								
BehaviourType/Classification	M	Agreed Classification for this behaviour type	union of: UKPupilExclusionReasonType additional values: Physical Abuse Verbal Abuse Substance Abuse Bullying Property Abuse Disruption Compliance Other						
BehaviourType/SubClassification	C	Free text string to precisely define the type of behaviour (if classification is Other then sub classification is mandatory else optional)	xs:normalizedString						
Incident	M								
Incident/Date	M	Date and time Incident took place (started to take place)	xs:dateTime						
Incident/Duration	O	How long incident lasted (minutes)	xs:integer						
Incident/Location	M	The Location the Incident (mostly) took place	values: Offsite Unsupervised Offsite Supervised Class School Indoors Non-Class School Outdoors Non-Class Other						
Incident/Comments	O	free text comments about the incident	xs:normalizedString						

Element/@Attribute	Char	Description	Type						
Incident/PrecursorRefId	O	A Preceding LearnerBehaviourIncidentRefID to which this behaviour is linked	IdRefType						
Incident/Confidentiality	M	May indicate the type of persons that this should be displayed to	values: Low Medium High						
Participants	M	people involved in the incident							
Participants/Employees	M		List						
Participants/Employees/Employee	MR								
@ WorkforcePersonalRefId	M	The REFID of the member of Staff	IdRefType						
Participants/Employees/Employee/ ParticipationTypes	M	The capacities in which this staff member was involved							
Participants/Employees/Employee/ ParticipationTypes/ParticipationType	MR	The capacity of Involvement	values: Recorder Incharge Victim/Recipient Witness/Observer						
Participants/Employees/Employee/ ParticipationComment	O	free text comments about the individuals Involvement In the incident	xs:normalizedString						
Participants/Learners	M	Must be at least one learner participating as the person who perpetrated the incident	List						
Participants/Learners/Learner	MR								
@ LearnerPersonalRefId	M	The REFID of the learner	IdRefType						
Participants/Learners/Learner/ ParticipationTypes	M	The capacities in which this learner member was involved							
Participants/Learners/Learner/ ParticipationTypes/ParticipationType	MR	The capacity of Involvement	values: Perpetrator Victim/Recipient Witness/Observer						
Participants/Learners/Learner/ ParticipationComment	O	free text comments about the individuals Involvement In the incident	xs:normalizedString						
Participants/Learners/Learner/ Motivation	O	Any recorded Motivation for participation	values: Racial Sexual Financial Religious Other						
Participants/Learners/Learner/ Weighting	O	How many Points awarded for the participation (indicator of the positive / Negative nature and severity of individuals behaviour)	xs:integer <table><tr><td>xs:minInclusive</td><td>-10</td></tr><tr><td>xs:maxInclusive</td><td>10</td></tr><tr><td>xs:fractionDigits</td><td>0</td></tr></table>	xs:minInclusive	-10	xs:maxInclusive	10	xs:fractionDigits	0
xs:minInclusive	-10								
xs:maxInclusive	10								
xs:fractionDigits	0								
Participants/Learners/Learner/ Actions	O		List						
Participants/Learners/Learner/ Actions/Action	MR	Actions/Outcomes which have or will occur for this individual							

Element/@Attribute	Char	Description	Type
Participants/Learners/Learner/ Actions/Action/Classification	M	The classification Of Outcome	values: Communication Activity Punishment Exclusion
Participants/Learners/Learner/ Actions/Action/SubClassification	O	Free text string to precisely define the action (if classification is Other then sub classification is mandatory else optional)	xs:normalizedString
Participants/Learners/Learner/ Actions/Action/Date	M	Date and time Action has or Will take place	xs:dateTime
Participants/Learners/Learner/ Actions/Action/Person	O	The PersonRefId of the person (student/ Employee/ parent) who will carry out the action	IdRefType
Participants/Learners/Learner/ Actions/Action/Comment	O	free text comments about the Action	xs:normalizedString
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.17-1: LearnerBehaviourIncident

```

<LearnerBehaviourIncident RefId="B8359C32AE94474174B03008D9A2744E">
  <SchoolInfoRefId>AE98AE59A2841743117D9192C326B873</SchoolInfoRefId>
  <BehaviourType>
    <Weighting>1</Weighting>
    <Classification>Substance Abuse</Classification>
    <SubClassification>Alcohol</SubClassification>
  </BehaviourType>
  <Incident>
    <Date>2009-05-02T14:30:00-05:00</Date>
    <Duration>200</Duration>
    <Location>Offsite Supervised</Location>
    <Comments>several students caught drinking on school trip</Comments>
    <PrecursorRefId>7192AE98384139051CC755293A2117BC</PrecursorRefId>
    <Confidentiality>Low</Confidentiality>
  </Incident>
  <Participants>
    <Employees>
      <Employee WorkforcePersonalRefId="48977F077DE24288B79F2CE196DB3CBC">
        <ParticipationTypes>
          <ParticipationType>Witness/Observer</ParticipationType>
          <ParticipationType>Recorder</ParticipationType>
        </ParticipationTypes>
        <ParticipationComment>saw alcohol purchase and consumption </ParticipationComment>
      </Employee>
    </Employees>
    <Learners>
      <Learner LearnerPersonalRefId="8192BE98384149051CC755293A2117DE">
        <ParticipationTypes>
          <ParticipationType>Perpetrator</ParticipationType>
        </ParticipationTypes>
        <ParticipationComment>Didn't know not allowed to drink</ParticipationComment>
        <Motivation>Other</Motivation>
        <Weighting>1</Weighting>
        <Actions>
          <Action>
            <Classification>Punishment</Classification>
            <SubClassification>Detention</SubClassification>
            <Date>2009-05-02T14:30:00-05:00</Date>
            <Person>8192BE98384149051CC755293A2117DE</Person>
            <Comment>Essay on Social costs of Alcohol</Comment>
          </Action>
        </Actions>
      </Learner>
      <Learner LearnerPersonalRefId="9184CE98384149051CC755293A2117DE">
        <ParticipationTypes>
          <ParticipationType>Witness/Observer</ParticipationType>
        </ParticipationTypes>
        <ParticipationComment>Saw him buy Alcohol</ParticipationComment>
      </Learner>
    </Learners>
  </Participants>
</LearnerBehaviourIncident>

```

Example 3.3.17-1: LearnerBehaviourIncident

3.3.18 LearnerContact

This object contains information related to a contact person for a learner. Compare with US/Canada object: `StudentContact`.

SIF_Events are reported for this object.

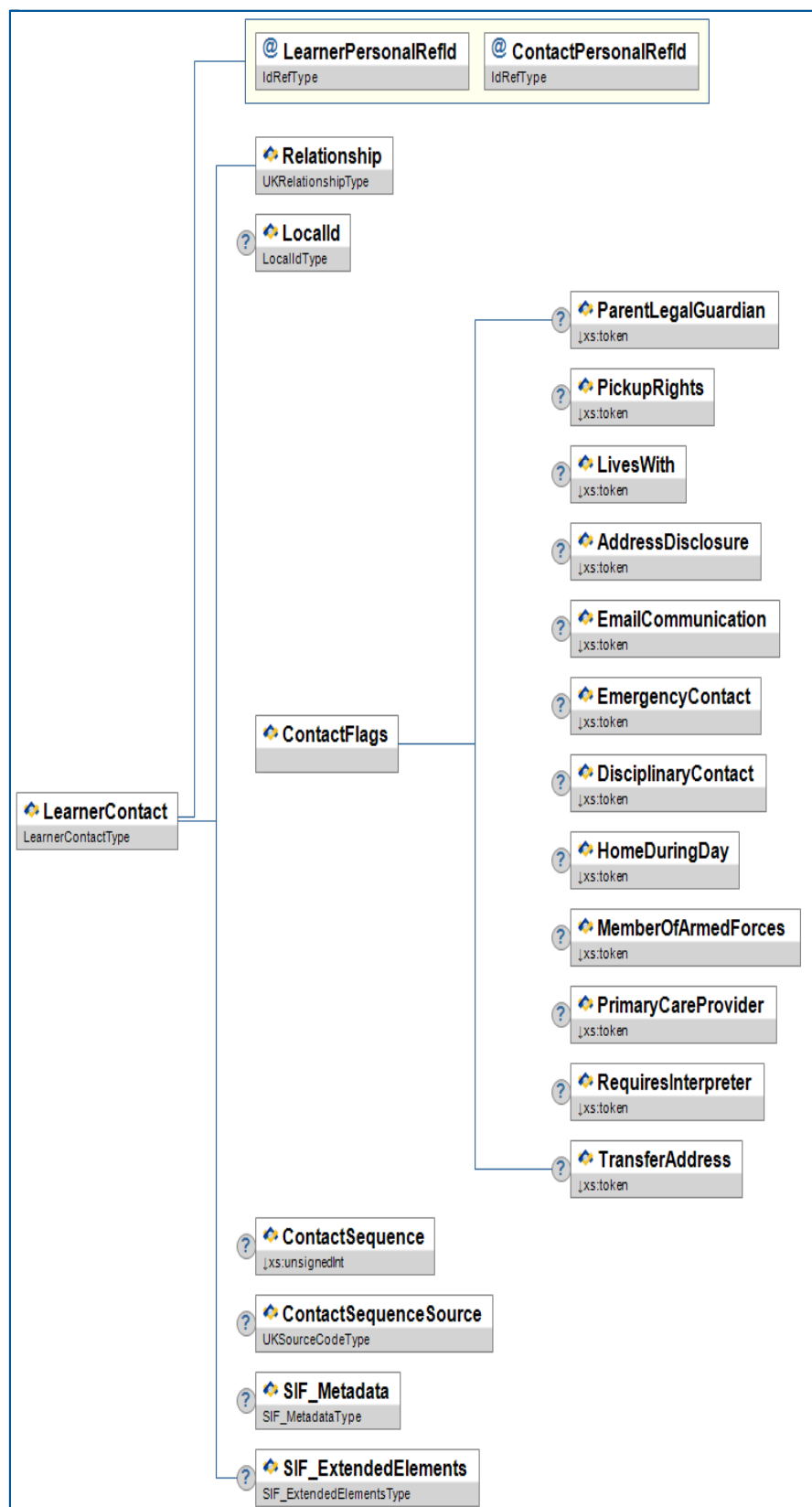


Figure 3.3.18-1: LearnerContact

	Element/@Attribute	Char	Description	Type
	LearnerContact		This object contains information related to a contact person for a learner. Compare with US/Canada object: <i>StudentContact</i> .	
@ Key	LearnerPersonalRefId	M	The ID (GUID) of the learner whose contact this is.	IdRefType
@ Key	ContactPersonalRefId	M	The ID (GUID) of this contact.	IdRefType

Element/@Attribute	Char	Description	Type				
Relationship	M	Defines the relationship of the contact to the learner.	UKRelationshipType				
LocalId	O	The locally-assigned identifier for this contact.	LocalId				
ContactFlags	M	Contains Yes/No characteristics of the contact person's role. Provide a Yes value for all that apply. Otherwise No is assumed. At least one of the child elements of ContactFlags must have a Yes value.					
ContactFlags/ParentLegalGuardian	C	Does the individual have parental or legal guardianship responsibility for the learner?	values: Yes No				
ContactFlags/PickupRights	C	Does the contact have pickup rights?	values: Yes No				
ContactFlags/LivesWith	C	Does the learner live with this contact?	values: Yes No				
ContactFlags/AddressDisclosure	C	Can address information be disclosed?	values: Yes No				
ContactFlags/EmailCommunication	C	Does the contact prefer written communication via email? Otherwise, postal mail will be used.	values: Yes No				
ContactFlags/EmergencyContact	C	Should this contact be notified in case of emergency?	values: Yes No				
ContactFlags/DisciplinaryContact	C	Is this person to be contacted in case of disciplinary action?	values: Yes No				
ContactFlags/HomeDuringDay	C	Is the contact at home during normal daytime hours?	values: Yes No				
ContactFlags/MemberOfArmedForces	C	Is this person a member of the armed forces?	values: Yes No				
ContactFlags/PrimaryCareProvider	C	Does this person provide daily living or personal assistance to the learner?	values: Yes No				
ContactFlags/RequiresInterpreter	C	Does the contact need a translator or interpreter?	values: Yes No				
ContactFlags/TransferAddress	C	Should this contact be transferred with the Learner if and when the Learner moves?	values: Yes No				
ContactSequence	O	Number (1-10) indicating the order in which the person should be contacted. Note that 2 or more contacts may have the same value.	xs:unsignedInt <table><tr><td>xs:minInclusive</td><td>1</td></tr><tr><td>xs:maxInclusive</td><td>10</td></tr></table>	xs:minInclusive	1	xs:maxInclusive	10
xs:minInclusive	1						
xs:maxInclusive	10						
ContactSequenceSource	O	Indicates the person who provided the contact sequence order.	UKSourceCodeType				
SIF_Metadata	O		SIF_Metadata				
SIF_ExtendedElements	O		SIF_ExtendedElements				

Table 3.3.18-1: LearnerContact

```

<LearnerContact LearnerPersonalRefId="20C10263ECC511DB91D00002B3E94955" ContactPersonalRefId="DF1D7BA3ECC411DB91D00002B3E94955">
  <Relationship>RELA</Relationship>
  <LocalId>01216</LocalId>
  <ContactFlags>
    <ParentLegalGuardian>No</ParentLegalGuardian>
    <PickupRights>Yes</PickupRights>
    <LivesWith>No</LivesWith>
    <AddressDisclosure>Yes</AddressDisclosure>
    <EmailCommunication>No</EmailCommunication>
    <EmergencyContact>Yes</EmergencyContact>
    <DisciplinaryContact>No</DisciplinaryContact>
    <HomeDuringDay>No</HomeDuringDay>
    <MemberOfArmedForces>No</MemberOfArmedForces>
    <PrimaryCareProvider>No</PrimaryCareProvider>
    <RequiresInterpreter>No</RequiresInterpreter>
    <TransferAddress>Yes</TransferAddress>
  </ContactFlags>
  <ContactSequence>3</ContactSequence>
  <ContactSequenceSource>P</ContactSequenceSource>
</LearnerContact>

```

Example 3.3.18-1: LearnerContact

3.3.19 LearnerEntitlement

SIF_Events are reported for this object.

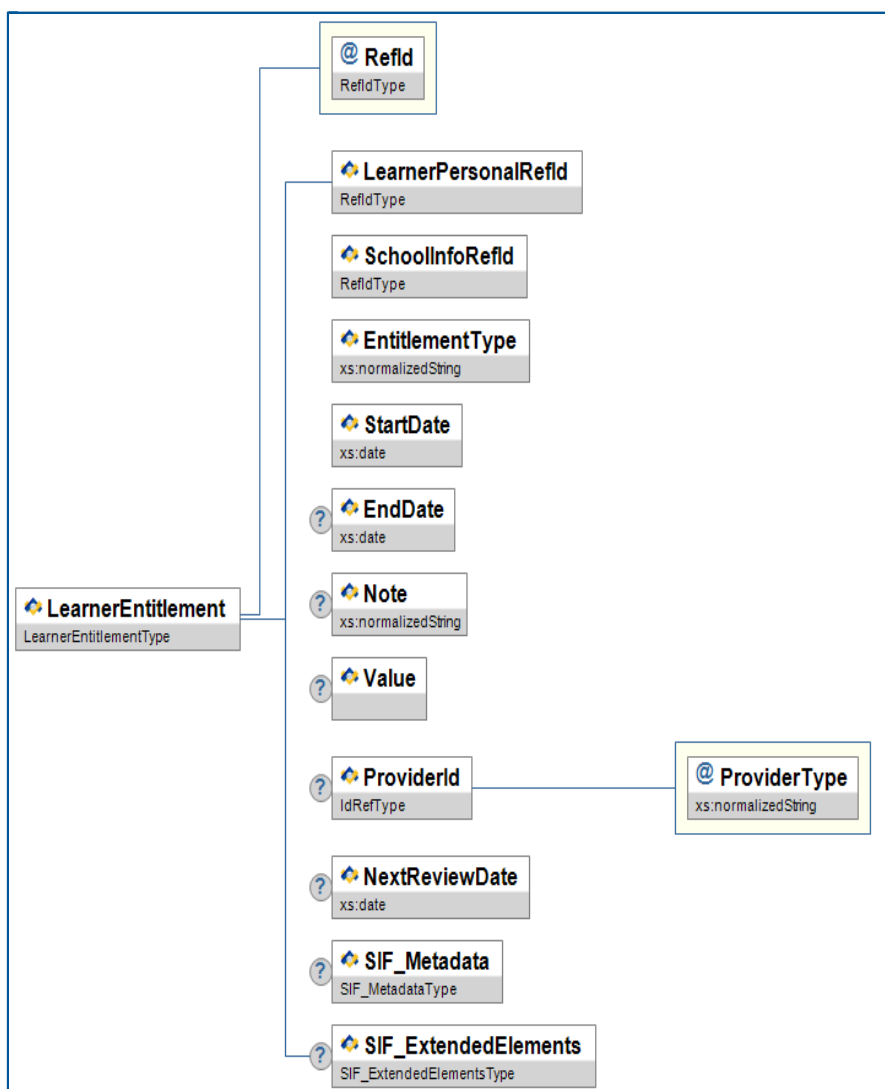


Figure 3.3.19-1: LearnerEntitlement

Element/@Attribute	Char	Description	Type
LearnerEntitlement			
@ RefId	M	The ID (GUID) that uniquely identifies a particular entitlement.	RefIdType
LearnerPersonalRefId	M	The ID (GUID) of the learner to whom this entitlement is linked.	RefIdType
SchoolInfoRefId	M	The ID (GUID) of the school to which this entitlement applies.	RefIdType
EntitlementType	M	The type of this Entitlement	xs:normalizedString
StartDate	M	Date Specific Entitlement starts.	xs:date
EndDate	O	Date Specific Entitlement Ends has to be on or after Start date.	xs:date

Element/@Attribute	Char	Description	Type
Note	O	A note relating to entitlement period.	xs:normalizedString
Value	O	Numeric value %discount or monetary value associated with entitlement, relative to @EntitlementType.	
ProviderId	O	The LA or Provider identifier of awarding organisation if relevant.	IdRefType
@ ProviderType	M	LA or Provider type	xs:normalizedString
NextReviewDate	O	Advises the date for next review of the listed entitlement, this element is not expected to be provided for instances where the EndDate is in the past as it refers to the entitlement, not periods of entitlement. Note that a review date could be prior to the end date of a current entitlement, and so is recorded separately.	xs:date
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.19-1: LearnerEntitlement

```

<LearnerEntitlement RefId="B8359C32AE94474174B03008D9A2744E">
  <LearnerPersonalRefId>8456D39051CC755293A4A4763088F3D3</LearnerPersonalRefId>
  <SchoolInfoRefId>AE98AE59A2841743117D9192C326B873</SchoolInfoRefId>
  <EntitlementType>FSM</EntitlementType>
  <StartDate>2007-01-09</StartDate>
  <EndDate>2008-08-31</EndDate>
  <Note>Awarded as family receive income support</Note>
  <Value>500</Value>
  <ProviderId ProviderType="LA">7192AE98384139051CC755293A2117BC</ProviderId>
  <NextReviewDate>2009-08-31</NextReviewDate>
</LearnerEntitlement>

```

Example 3.3.19-1: LearnerEntitlement

3.3.20 LearnerExclusion

This object contains information related to a learner being excluded from one or more sessions of school.

SIF_Events are reported for this object.

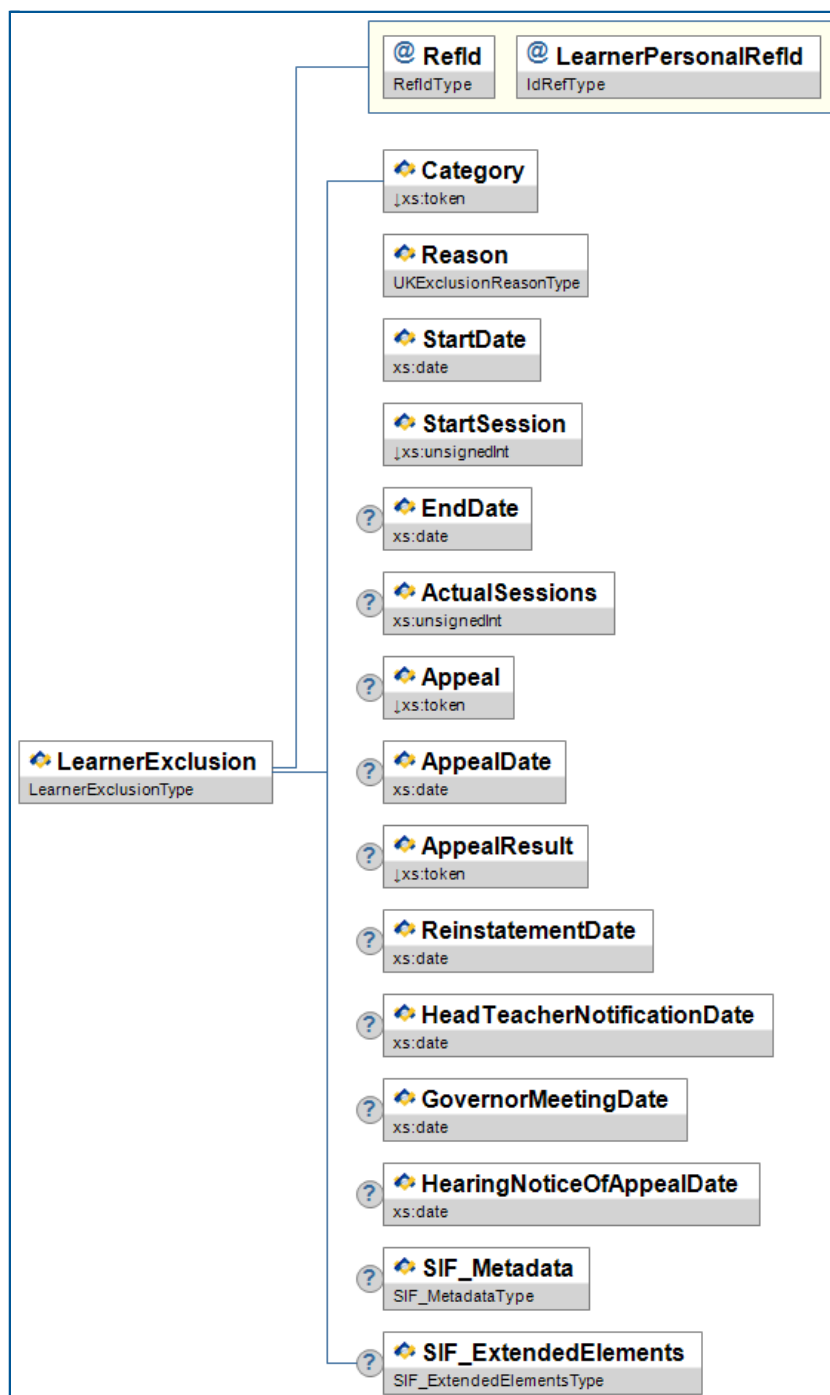


Figure 3.3.20-1: LearnerExclusion

Element/@Attribute	Char	Description	Type
LearnerExclusion		This object contains information related to a learner being excluded from one or more sessions of school.	
@ RefId 	M	The ID (GUID) of this exclusion.	RefIdType
@ LearnerPersonalRefId	M	The ID (GUID) of the excluded learner.	IdRefType
Category	M	Exclusion category.	values: FIXD Fixed PERM Permanent LNCH Lunchtime
Reason	M	Reason for exclusion.	UKExclusionReasonType
StartDate	M	Date exclusion takes effect irrespective of any review or appeal. Normally this will not be the same as Date of Leaving (exitDate) and it should be noted that the learner will remain on the schools's roll for a period after this start date.	xs:date

Element/@Attribute	Char	Description	Type
StartSession	M	Session to begin exclusion, starting with 1 for the first session of the day. In most cases there are two sessions per day but this is not always the case. Validation: Number between 1 and 10.	xs:unsignedInt xs:minInclusive 1 xs:maxInclusive 10
EndDate	O	Date exclusion concludes.	xs:date
ActualSessions	O	Total number of sessions for which the exclusion is in effect. For lunchtime exclusions, each lunchtime for which the exclusion applies is one session. For fixed term and permanent exclusions, this is one session during the school day. For exclusions that are followed by reinstatement the actual, not the planned number of sessions should be recorded. (Exclusion sessions are used only to calculate the total allowable in a term or academic year and are not the same as an attendance session.)	xs:unsignedInt
Appeal	O	Is there an appeal against permanent exclusion?	values: Yes No
AppealDate	O	Date for appeal against permanent exclusion.	xs:date
AppealResult	O	The result of the appeal against permanent exclusion.	values: R E O Reinstatement Exclusion stands Reinstatement would be appropriate but not in best interest of learner given other circumstances
ReinstatementDate	O	Date learner was reinstated, if appropriate.	xs:date
HeadTeacherNotificationDate	O	Date head teacher notified parents, school LA, and home LA (if different) of exclusion.	xs:date
GovernorMeetingDate	O	Date of Governors' meeting with respect to exclusion.	xs:date
HearingNoticeOfAppealDate	O	Date of exclusion hearing/expiration of notice of appeal.	xs:date
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.20-1: LearnerExclusion

```

<LearnerExclusion RefId="BBA61B08DC7D11DB9C010016353E6F4C" LearnerPersonalRefId="2EEC6C90DC7E11DB9C010016353E6F4C">
  <Category>FIXD</Category>
  <Reason>OT</Reason>
  <StartDate>2006-10-10</StartDate>
  <StartSession>1</StartSession>
  <EndDate>2006-10-14</EndDate>
  <ActualSessions>10</ActualSessions>
  <Appeal>Yes</Appeal>
  <AppealDate>2006-10-11</AppealDate>
  <AppealResult>E</AppealResult>
  <ReinstatementDate>2006-10-17</ReinstatementDate>
  <HeadTeacherNotificationDate>2006-10-10</HeadTeacherNotificationDate>
  <GovernorMeetingDate>2006-10-12</GovernorMeetingDate>
  <HearingNoticeOfAppealDate>2006-10-12</HearingNoticeOfAppealDate>
</LearnerExclusion>

```

Example 3.3.20-1: LearnerExclusion

3.3.21 LearnerGroupEnrolment

This object contains information about a learner's enrolment in a course (teaching group) or other (class, homeroom or registration) group. Compare with US/Canada object: StudentSectionEnrollment.

SIF_Events are reported for this object.

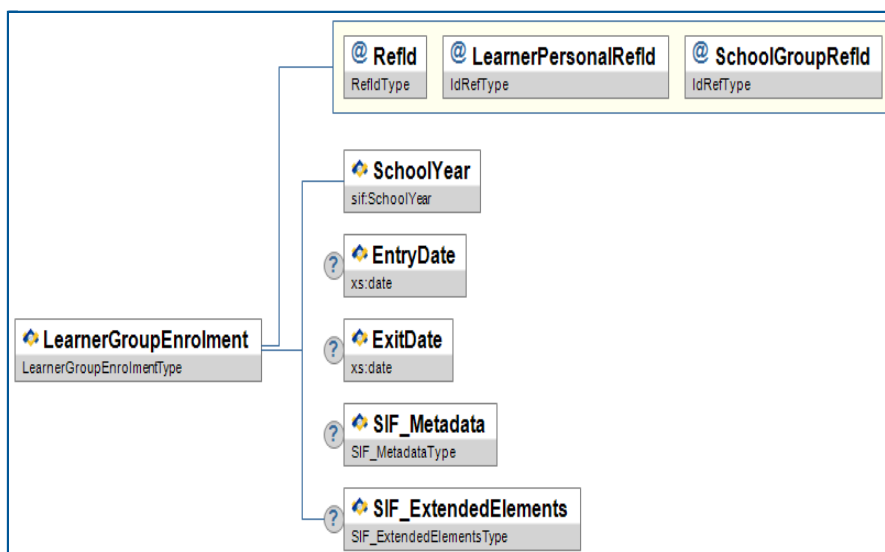


Figure 3.3.21-1: LearnerGroupEnrolment

Element/@Attribute	Char	Description	Type
LearnerGroupEnrolment		This object contains information about a learner's enrolment in a course (teaching group) or other (class, homeroom or registration) group. Compare with US/Canada object: <i>StudentSectionEnrollment</i> .	
@ RefId	M	The ID (GUID) that uniquely identifies this LearnerGroupEnrolment entity.	RefIdType
@ LearnerPersonalRefId	M	The ID (GUID) of the learner to whom the enrolment information applies.	IdRefType
@ SchoolGroupRefId	M	The ID (GUID) of the group in which this learner is enroled.	IdRefType
SchoolYear	M	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g. 2007 for the 2006/07 school year). Where a group membership is valid across multiple years, the current year at the time of publication will be used.	SchoolYear
EntryDate	O	Date from when this enrolment is valid.	xs:date
ExitDate	O	Date on which the learner's enrolment ends or has ended.	xs:date
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.21-1: LearnerGroupEnrolment

```

<LearnerGroupEnrolment RefId="E5571408DC7D11DB9C01001635359C02" LearnerPersonalRefId="9B554C90DC7E11DB9C0100163535DD18" SchoolGroupRefId="83831BA1"
  <SchoolYear>2007</SchoolYear>
  <EntryDate>2006-09-05</EntryDate>
  <ExitDate>2007-06-28</ExitDate>
</LearnerGroupEnrolment>

```

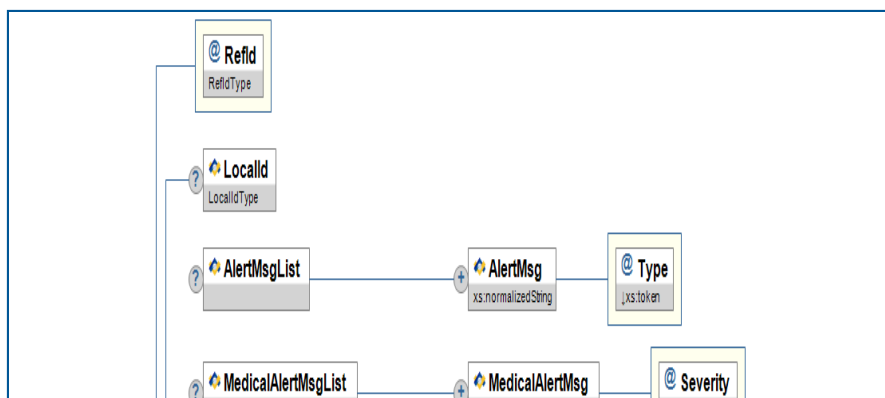
Example 3.3.21-1: LearnerGroupEnrollment

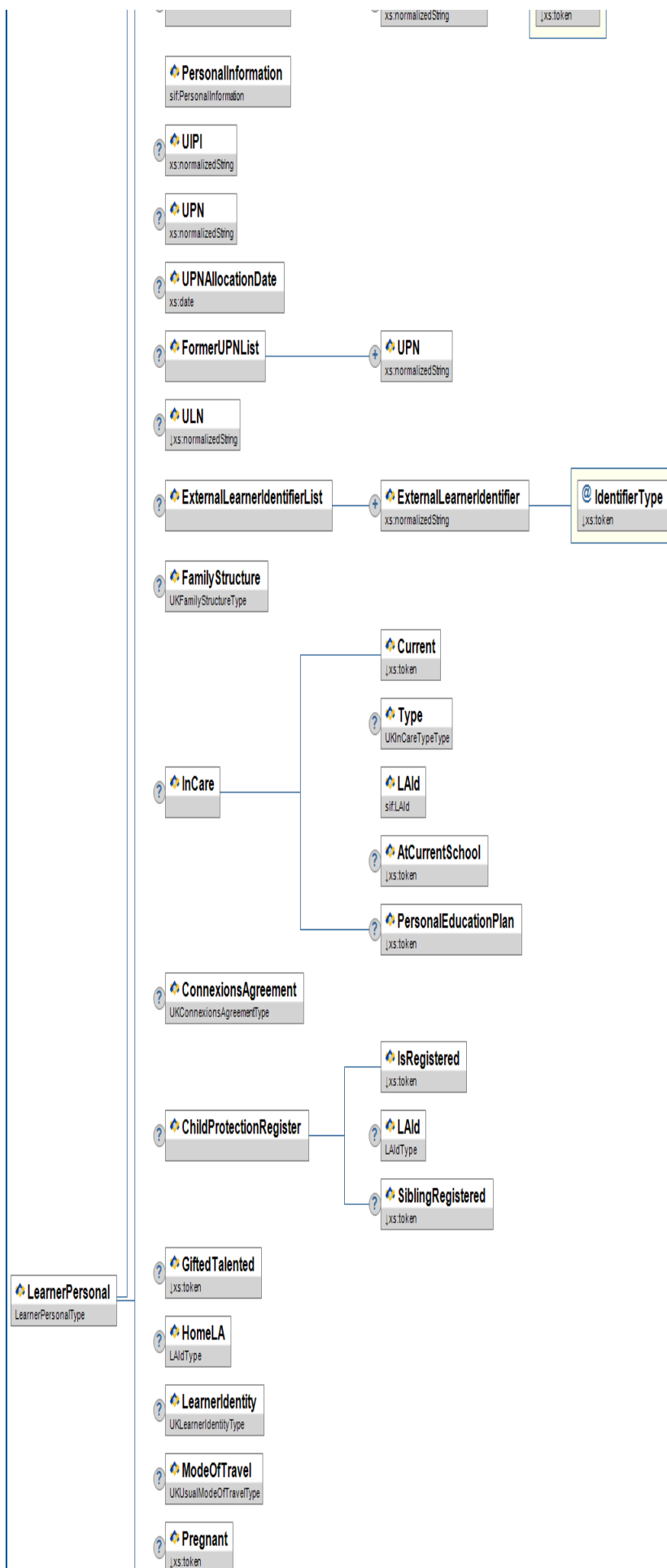
3.3.22 LearnerPersonal

This object contains personal information related to a learner. As most learners are enroled in the school or establishment publishing this object, basic enrolment information is also provided to aid in overall SIF performance.

Compare with US/Canada object: *StudentPersonal*.

SIF_Events are reported for this object.





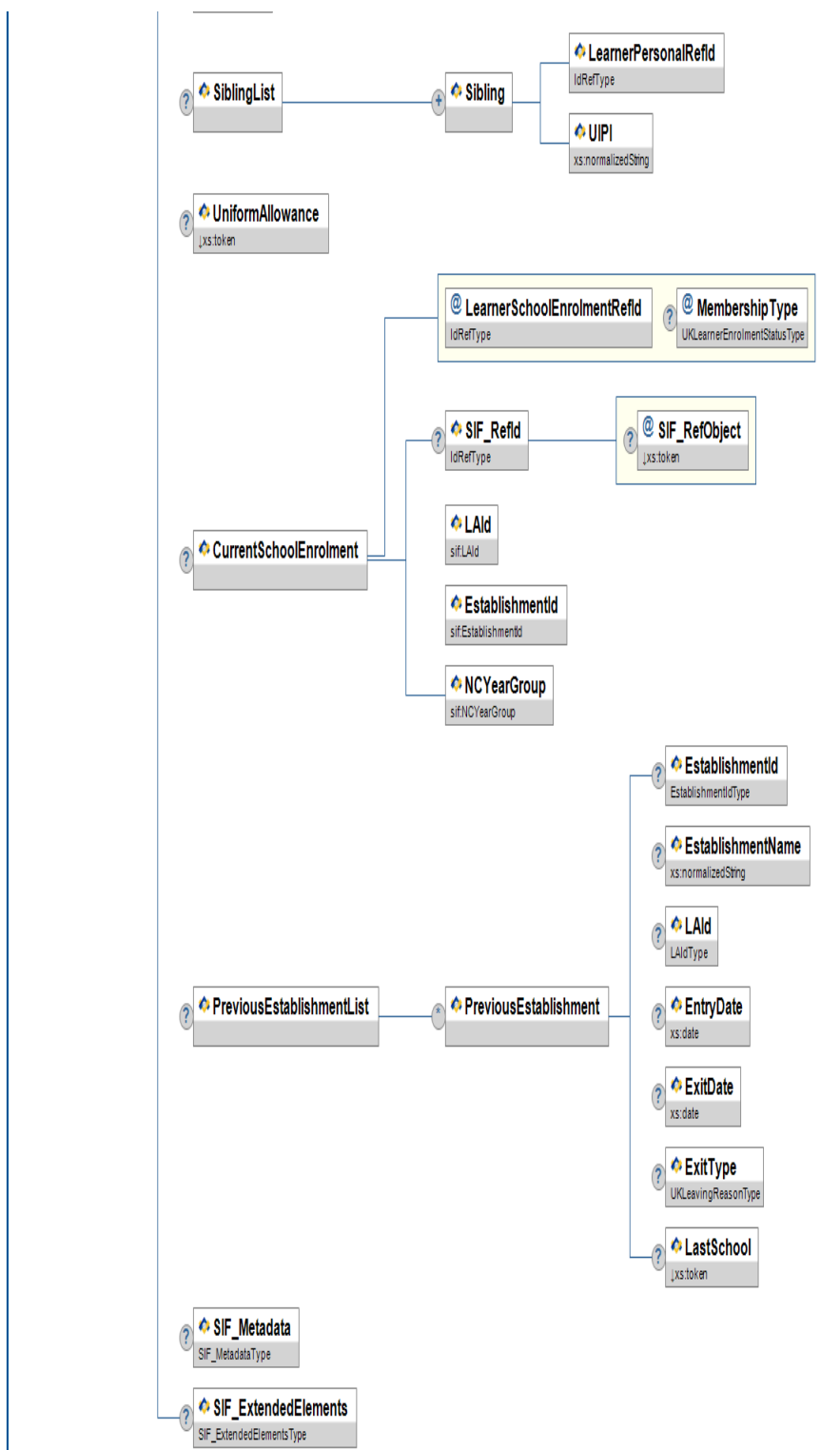


Figure 3.3.22-1: LearnerPersonal

Element/@Attribute	Char	Description	Type
LearnerPersonal		This object contains personal information related to a learner. As most learners are enrolled in the school or establishment publishing this object, basic enrolment information is also provided to aid in overall SIF performance. Compare with US/Canada object: <i>StudentPersonal1</i>.	
@ RefId	M	The ID (GUID) of the learner. Note that this GUID may be the same one assigned to this person when this person is either a contact (ContactPersonal) or a member of the workforce (WorkforcePersonal).	RefIdType

	Element/@Attribute	Char	Description	Type
	LocalId	O	The locally-assigned identifier for this learner. This can be the internal pupil number or any other number as determined by the publishing agent.	LocalId
	AlertMsgList	O		List
	AlertMsgList/AlertMsg	MR	This is an alert message that is associated with the person.	xs:normalizedString
@	Type	M	This attribute specifies what type of alert message this is.	values: Legal Discipline Educational Other
	MedicalAlertMsgList	O		List
	MedicalAlertMsgList/MedicalAlertMsg	MR	Medical alert associated with the person.	xs:normalizedString
@	Severity	M	The level of severity of this medical alert.	values: Low Moderate High Severe Unknown
	PersonalInformation	M	Personal name, demographic, address, email, and phone information for this learner.	PersonalInformation
	UIPI	O	Unique Internal Pupil Number.	xs:normalizedString
	UPN	O	Unique Pupil Number (UPN) allocated to each learner in maintained schools in England and Wales. It is an identifier for use in the educational context during a child's school career only and subject to Data Protection restrictions.	xs:normalizedString
	UPNAllocationDate	O	Date UPN was allocated by the LA.	xs:date
	FormerUPNList	O	A list of former UPN's assigned to the learner, since it is possible that a learner could have more than one assigned.	List
	FormerUPNList/UPN	MR	A former UPN assigned to the pupil whilst at a school (eg temporary UPN was allocated when the pupil was first admitted to the school but subsequently replaced by the permanent UPN being retrieved from a previous school).	xs:normalizedString
	ULN	O	Unique Learner Number (ULN), a 10-digit number where zero is not allowed as the leading digit.	xs:normalizedString xs:pattern [1-9][0-9]{9}
	ExternalLearnerIdentifierList	O	A list of one or more external values currently associated with a learner which are specific to only a person of type Learner, for which no other Identity element in LearnerPersonal can accommodate. (i.e., one would not put UPN here)	List
	ExternalLearnerIdentifierList/ExternalLearnerIdentifier	MR	An external identifier as described by the IdentifierType attribute.	xs:normalizedString
@	IdentifierType	M	A code that defines the type of identifier.	values: SCN Scottish Candidate Number allocated to each learner in schools in Scotland – both Maintained and Independent. It is an identifier for use in the educational context during a child's school career and is subject to Data Protection restrictions. UCI Unique Candidate Number LocalExamNo Exam number assigned internally by an establishment. Other
	FamilyStructure	O	Indicates type of family structure learner is living in.	UKFamilyStructureType
	InCare	O	Information relating to whether the learner is "looked after" as defined by the Children Act 1989, which refers to children who are subject to care orders and those who are accommodated.	
	InCare/Current	M	Indicates if the learner is "looked after" currently.	values: Yes No Unknown
	InCare/Type	O	Type of care the learner is in (eg fostering, children's home).	UKInCareTypeType
	InCare/LAId	M	The 'originating' authority where the learner was originally placed in public care and which looks after the child for the purposes of the Children Act 1989.	LAId
	InCare/AtCurrentSchool	O	Indicates if the learner has ever been in care while at this school.	values: Yes No

Element/@Attribute	Char	Description	Type
InCare/PersonalEducationPlan	O	Indicates if the learner in care has a personal education plan.	values: Yes No
ConnexionsAgreement	O	Indicates if parents have consented to allow learner data to be shared with Connexions (Middle, Secondary and Special Schools only).	UKConnexionsAgreementType
ChildProtectionRegister	O	Information relating to the Child Protection Register as it pertains to this learner.	
ChildProtectionRegister/IsRegistered	M	Indicates if the learner has been registered on the Child Protection Register.	values: Yes No Unknown
ChildProtectionRegister/LAId	O	The LA in which the learner was registered for protection.	LAId
ChildProtectionRegister/SiblingRegistered	O	Indicates if the learner has a sibling that is also on the Child Protection Register.	values: Yes No
GiftedTalented	O	Learner qualifies for Gifted/Talented status.	values: Yes No
HomeLA	O	The LA in which the learner lives but not necessarily the one in which they attend school.	LAId
LearnerIdentity	O	Classification of national identity. (Wales)	UKLearnerIdentityType
ModeOfTravel	O	The usual mode of travel normally used by the learner for the greater part (in distance) of the journey to and from school.	UKUsualModeOfTravelType
Pregnant	O	Learner is pregnant.	values: Yes No
SiblingList	O	List of siblings also in same school.	List
SiblingList/Sibling	MR	A sibling of this learner in the same school.	
SiblingList/Sibling/LearnerPersonalRefId	M	The ID (GUID) of the LearnerPersonal record for this sibling.	IdRefType
SiblingList/Sibling/UIPI	M	The Unique Internal Pupil Number for a sibling of this learner.	xs:normalizedString
UniformAllowance	O	Learner is paid a uniform allowance.	values: Yes No
CurrentSchoolEnrolment	O	This container reflects key enrolment data for the current or current main (home) school or establishment linked to a learner. This element is required except when there is no current enrolment for the learner within the school or establishment. It must also accurately reflect the data in the corresponding LearnerSchoolEnrolment object and generate change events for this object when change events are detected for LearnerSchoolEnrolment.	
@ LearnerSchoolEnrolmentRefId	M	The ID (GUID) of the LearnerSchoolEnrolment record associated with this learner that is also designated as the current or current main enrolment.	IdRefType
@ MembershipType	O	The type of this enrolment as it relates to the school identified by SchoolInfoRefId.	UKLearnerEnrolmentStatusType
CurrentSchoolEnrolment/SIF_RefId	O	The SIF RefId of a SchoolInfo or LAInfo object.	IdRefType
@ SIF_RefObject	O	The type of SIF object that the SIF_RefId attribute identifies.	values: SchoolInfo LAInfo
CurrentSchoolEnrolment/LAId	M	The DfES assigned number for the LA in which the learner is currently enroled with respect to their current or current main (home) school.	LAId
CurrentSchoolEnrolment/EstablishmentId	M	The DfES assigned number for the school or establishment in which the learner is currently enroled with respect to their current or current main (home) school.	EstablishmentId
CurrentSchoolEnrolment/NCYearGroup	M	The current or most recent National Curriculum Year Group of the learner in the LA.	NCYearGroup
PreviousEstablishmentList	O	A list of known previous schools or establishments.	List
PreviousEstablishmentList/ PreviousEstablishment	OR	A previous school or establishment.	
PreviousEstablishmentList/ PreviousEstablishment/EstablishmentId	O	Establishment Number for this school	EstablishmentId

Element/@Attribute	Char	Description	Type
PreviousEstablishmentList/ PreviousEstablishment/EstablishmentName	O	School's name as indicated on the Annual Schools Census.	xs:normalizedString
PreviousEstablishmentList/ PreviousEstablishment/LAId	O	The 3-digit LA number assigned by DfES.	LAId
PreviousEstablishmentList/ PreviousEstablishment/EntryDate	O	The date the learner entered this school or establishment.	xs:date
PreviousEstablishmentList/ PreviousEstablishment/ExitDate	O	The date the learner exited this school or establishment.	xs:date
PreviousEstablishmentList/ PreviousEstablishment/ExitType	O	Code indicating the type of exit from this school or establishment.	UKLeavingReasonType
PreviousEstablishmentList/ PreviousEstablishment/LastSchool	O	An indication of whether the described school or establishment was the last establishment the learner attended. Note that it is possible that more than one establishment can be marked as LastSchool when a learner is enrolled in more than one school simultaneously.	values: Yes No
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.22-1: LearnerPersonal

```

<LearnerPersonal RefId="53E6F4C0109FDE4DC7E11DB9C0100163">
  <LocalId>032134</LocalId>
  <PersonalInformation>
    <Name Type="B">
      <FamilyName>Harris</FamilyName>
      <GivenName>Sonya</GivenName>
      <PreferredFamilyName>Harris</PreferredFamilyName>
      <PreferredGivenName>Sonya</PreferredGivenName>
    </Name>
    <Demographics>
      <EthnicityList>
        <Ethnicity>
          <Code>WENG</Code>
          <Source>P</Source>
        </Ethnicity>
      </EthnicityList>
      <Gender>F</Gender>
      <BirthDate>1990-06-23</BirthDate>
      <LanguageList>
        <Language>
          <Code>ENG</Code>
          <TypeList>
            <Type>F</Type>
          </TypeList>
        </Language>
      </LanguageList>
    </Demographics>
    <Email Type="School">sonya.harris@myschool.co.uk</Email>
    <Address Type="Current">
      <PAON>
        <StartNumber>17</StartNumber>
      </PAON>
      <Street>Bushmaster Close</Street>
      <Town>Castle Vale</Town>
      <AdministrativeArea>Birmingham</AdministrativeArea>
      <PostCode>B35 7PH</PostCode>
      <Country>GBR</Country>
    </Address>
    </PersonalInformation>
    <UPN>F330950043367</UPN>
    <UPNAllocationDate>2001-08-27</UPNAllocationDate>
    <FormerUPNList>
      <UPN>C936846321107</UPN>
    </FormerUPNList>
    <ULN>1234567890</ULN>
    <FamilyStructure>A</FamilyStructure>
    <InCare>
      <Current>No</Current>
      <Type>WP</Type>
      <LAId>330</LAId>
      <AtCurrentSchool>Yes</AtCurrentSchool>
      <PersonalEducationPlan>No</PersonalEducationPlan>
    </InCare>
    <ConnexionsAgreement>Yes</ConnexionsAgreement>
    <ChildProtectionRegister>
      <IsRegistered>Yes</IsRegistered>
      <LAId>330</LAId>
      <SiblingRegistered>No</SiblingRegistered>
    </ChildProtectionRegister>
    <GiftedTalented>No</GiftedTalented>
    <HomeLA>330</HomeLA>
    <LearnerIdentity>ENG</LearnerIdentity>
    <Pregnant>No</Pregnant>
    <SiblingList>
      <Sibling>
        <LearnerPersonalRefId>6219B1684CF9B799640234CBB9992134</LearnerPersonalRefId>
        <UIPI>034887</UIPI>
      </Sibling>
    </SiblingList>
    <UniformAllowance>No</UniformAllowance>
    <CurrentSchoolEnrolment LearnerSchoolEnrolmentRefId="010C6038DC7E11DB9C010016353E6F4C">
      <LAId>330</LAId>
      <EstablishmentId>5530</EstablishmentId>
      <NCYearGroup>9</NCYearGroup>
    </CurrentSchoolEnrolment>
    <PreviousEstablishmentList>
      <PreviousEstablishment>
        <EstablishmentId>2117</EstablishmentId>
        <EstablishmentName>Allbury Primary School</EstablishmentName>
        <LAId>936</LAId>
        <EntryDate>1999-08-20</EntryDate>
        <ExitDate>2001-06-14</ExitDate>
        <ExitType>MS</ExitType>
        <LastSchool>Yes</LastSchool>
      </PreviousEstablishment>
    </PreviousEstablishmentList>
  </LearnerPersonal>

```

Example 3.3.22-1: LearnerPersonal

3.3.23 LearnerSchoolEnrolment

This object defines information related to a learner's enrolment within a particular school or establishment. The current status on an enrolment is based on EntryDate and ExitDate. Future enrolments are supported where EntryDate is in the future. ExitDate may also be specified as a future occurrence.

The publisher of this object must respond to all queries given EntryDate and ExitDate, when specified.

Compare with US/Canada object: StudentSchoolEnrollment.

SIF_Events are reported for this object.

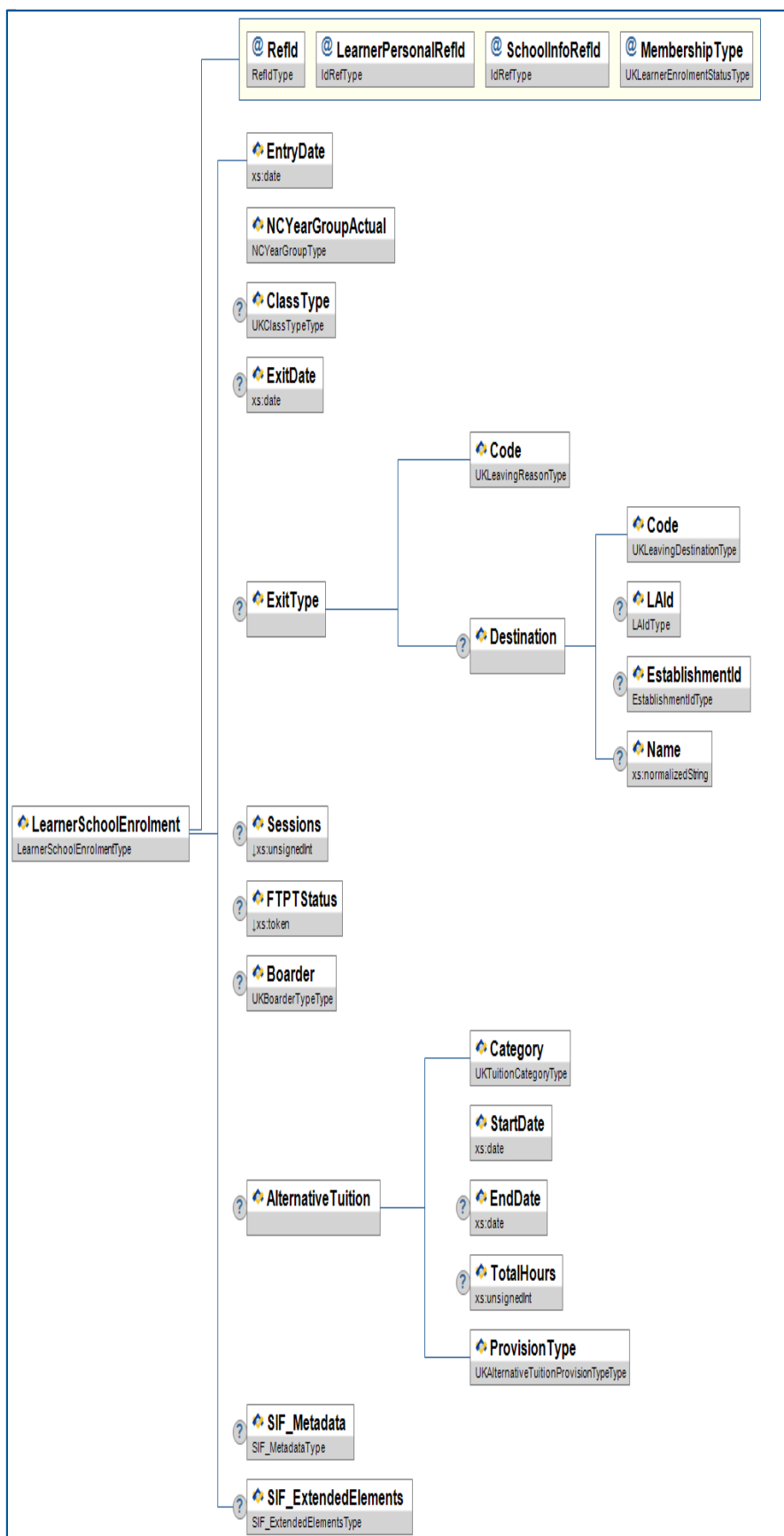


Figure 3.3.23-1: LearnerSchoolEnrolment

Element/@Attribute	Char	Description	Type
--------------------	------	-------------	------

	Element/@Attribute	Char	Description	Type
	Element/@Attribute	Char	Description	Type
	LearnerSchoolEnrolment		This object defines information related to a learner's enrolment within a particular school or establishment. The current status on an enrolment is based on EntryDate and ExitDate. Future enrolments are supported where EntryDate is in the future. ExitDate may also be specified as a future occurrence. The publisher of this object must respond to all queries given EntryDate and ExitDate, when specified. Compare with US/Canada object: <i>StudentSchoolEnrollment</i>.	
@	RefId	M	The ID (GUID) that uniquely identifies a particular enrolment.	RefIdType
@	LearnerPersonalRefId	M	The ID (GUID) of the learner to whom this information is linked.	IdRefType
@	SchoolInfoRefId	M	The ID (GUID) of the school to which this enrolment applies.	IdRefType
@	MembershipType	M	The type of this enrolment as it relates to the school identified by SchoolInfoRefId.	UKLearnerEnrolmentStatusType
	EntryDate	M	The date from when this enrolment is valid.	xs:date
	NCYearGroupActual	M	The year group in which the learner is taught for the majority of their time, regardless of their chronological age.	NCYearGroup
	ClassType	O	Indicates if the learner is in a nursery class. Must be set to 'O' if age on August 31 is >= 6.	UKClassTypeType
	ExitDate	C	The ending date of this enrolment. If the learner has exited before the end of the school year, ExitDate must have a value.	xs:date
	ExitType	O		
	ExitType/Code	M	Code indicating the type of exit for this enrolment.	UKLeavingReasonType
	ExitType/Destination	O	Describes the destination of this learner upon exit.	
	ExitType/Destination/Code	M	Code indicating the destination type.	UKLeavingDestinationType
	ExitType/Destination/LAId	O	The LA number for destination school or college.	LAId
	ExitType/Destination/EstablishmentId	O	The DfES number for destination school or college.	EstablishmentId
	ExitType/Destination/Name	O	Name of institution/employer of learner's destination.	xs:normalizedString
	Sessions	O	Number of learner sessions (half days) per week. A maximum of 10 is possible per week.	xs:unsignedInt xs:maxInclusive 10
	FTPTStatus	O	An indication of whether the learner is enrolled only part time.	values: Yes No
	Boarder	O	Indicates whether the learner is a boarder at the school or not.	UKBoarderTypeType
	AlternativeTuition	O	Describes any alternative tuition received by the learner.	
	AlternativeTuition/Category	M	Reason for alternative tuition.	UKTuitionCategoryType
	AlternativeTuition/StartDate	M	Beginning date for alternative tuition.	xs:date
	AlternativeTuition/EndDate	O	End date for alternative tuition.	xs:date
	AlternativeTuition/TotalHours	O	The total number of hours provided for with the tuition.	xs:unsignedInt
	AlternativeTuition/ProvisionType	M	Alternative tuition provision type.	UKAlternativeTuitionProvisionTypeType
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.23-1: LearnerSchoolEnrolment

```

<LearnerSchoolEnrolment RefId="2545531BEC511DB91D00002B3E94955" LearnerPersonalRefId="2542F0C3ECC511DB91D00002B3E94955" SchoolInfoRefId="CAF16711"
  <EntryDate>2005-09-07</EntryDate>
  <NCTYearGroupActual>1</NCTYearGroupActual>
  <ClassType>0</ClassType>
  <ExitDate>2006-02-14</ExitDate>
  <ExitType>
    <Code>ST</Code>
    <Destination>
      <Code>MP</Code>
      <LAId>330</LAId>
      <EstablishmentId>2810</EstablishmentId>
      <Name>Thomas Holmes Primary School</Name>
    </Destination>
  </ExitType>
  <Sessions>10</Sessions>
  <FTPTStatus>No</FTPTStatus>
  <Boarder>B</Boarder>
  <AlternativeTuition>
    <Category>IL</Category>
    <StartDate>2005-09-07</StartDate>
    <EndDate>2006-02-14</EndDate>
    <TotalHours>103</TotalHours>
    <ProvisionType>HSP</ProvisionType>
  </AlternativeTuition>
</LearnerSchoolEnrolment>

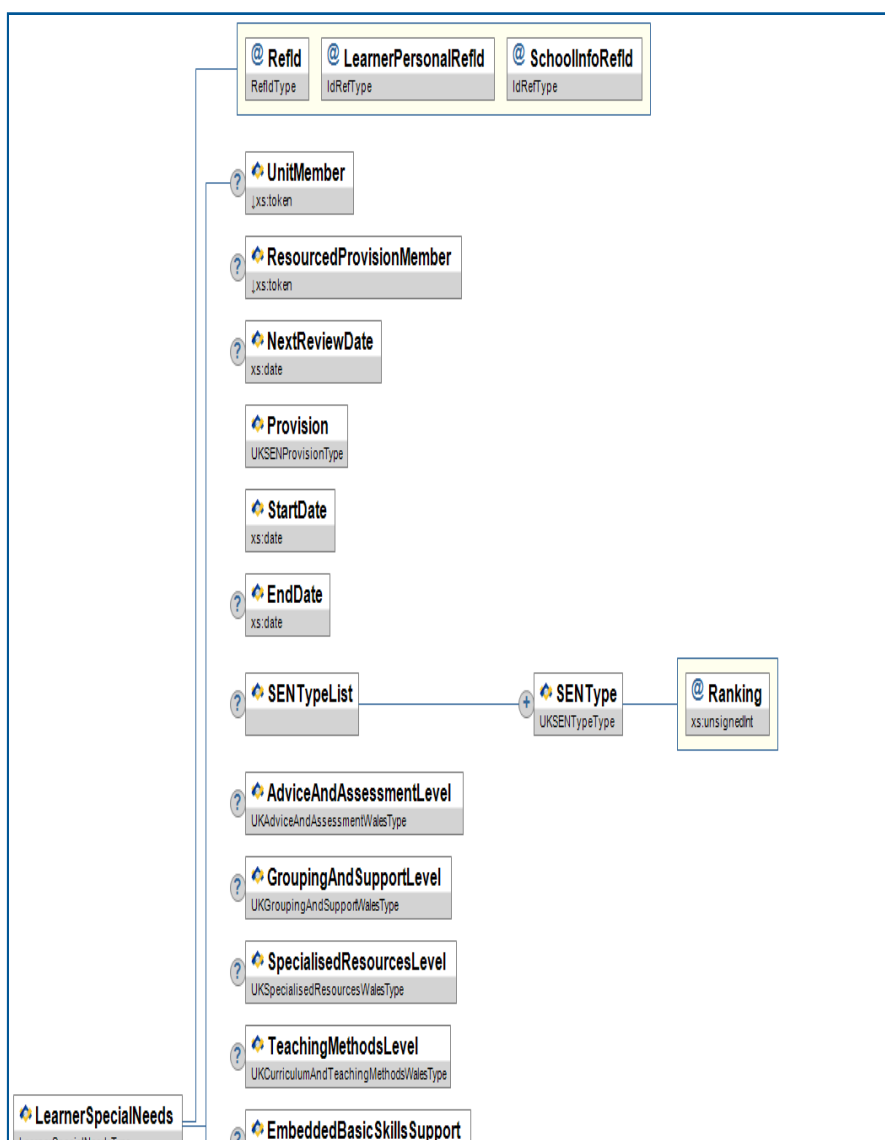
```

Example 3.3.23-1: LearnerSchoolEnrollment

3.3.24 LearnerSpecialNeeds

This object contains information regarding a special education need (SEN) for a learner when provisioned within a school or establishment. A new object exists for each provision. The current status of any provision can be determined by querying StartDate and EndDate. Both dates are allowed to be in the future. The publisher of this object must support queries on these dates.

SIF_Events are reported for this object.



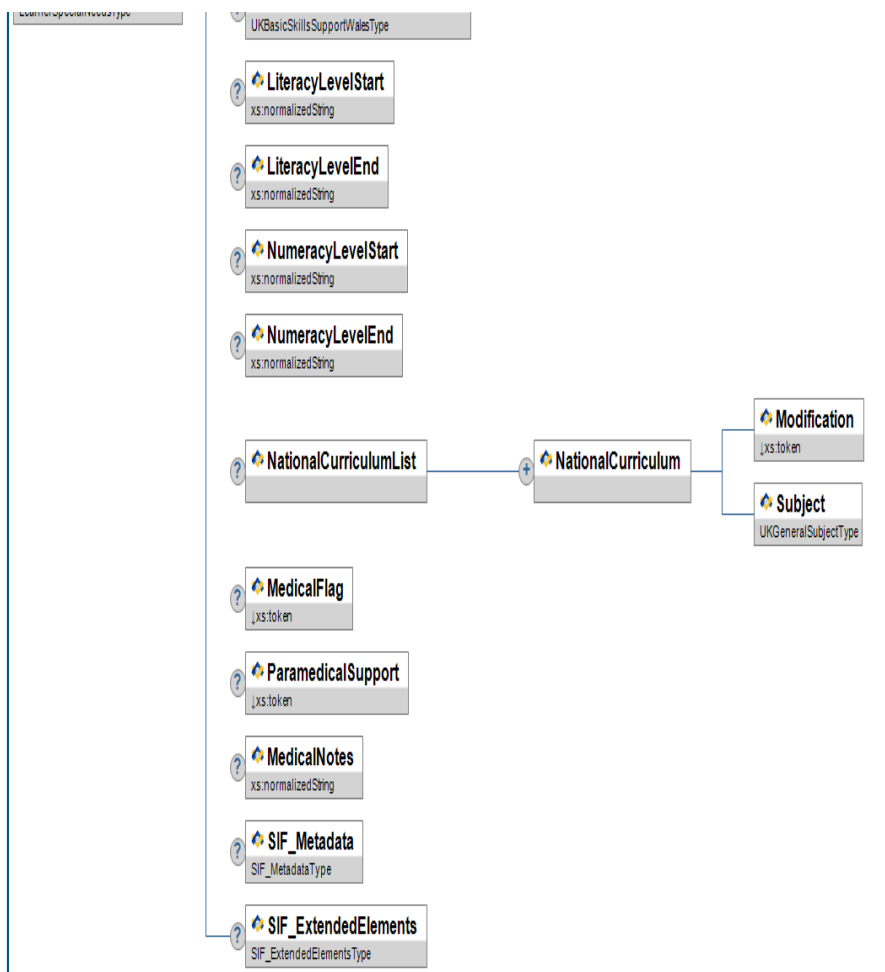


Figure 3.3.24-1: LearnerSpecialNeeds

Element/@Attribute	Char	Description	Type
LearnerSpecialNeeds		This object contains information regarding a special education need (SEN) for a learner when provisioned within a school or establishment. A new object exists for each provision. The current status of any provision can be determined by querying StartDate and EndDate. Both dates are allowed to be in the future. The publisher of this object must support queries on these dates.	
@ RefId	M	The ID (GUID) that uniquely identifies a learner special need (provision).	RefIdType
@ LearnerPersonalRefId	M	The ID (GUID) of the learner with special educational needs.	IdRefType
@ SchoolInfoRefId	M	The ID (GUID) that uniquely identifies the school provisioned to work with the learner's special needs.	IdRefType
UnitMember	O	Is this learner with special education needs (SEN) in a mainstream school a member of an SEN Unit (sometimes called special class)?	values: Yes No
ResourcedProvisionMember	O	Is this learner with special education needs (SEN) in a mainstream school a member of a resourced provision?	values: Yes No
NextReviewDate	O	Date of learner's next SEN review.	xs:date
Provision	M	A provision (stage) accommodated for this learner within this school.	UKSENProvisionType
StartDate	M	Date when learner was placed on the current SEN stage. Date may be in the future.	xs:date
EndDate	O	Date when learner finished this SEN stage. Assumed to be current unless a date in the past is specified here.	xs:date
SENTypeList	O	A list of Special Educational Needs types for this learner. Note that each SEN type must have its own unique ranking, and all rankings must be consecutive starting with 1.	List
SENTypeList/SENType	MR	The code for a Special Educational Need (type) for this learner.	UKSENTypeType
@ Ranking	M	A value (starting at 1) indicating the order of significance of special educational need in relation to other SEN types listed here.	xs:unsignedInt
AdviceAndAssessmentLevel	O	Level of provision for Advice and Assessment. (Wales)	UKAdviceAndAssessmentWalesType

Element/@Attribute	Char	Description	Type
GroupingAndSupportLevel	O	Level of provision for Grouping and Support. (Wales)	UKGroupingAndSupportWalesType
SpecialisedResourcesLevel	O	Level of provision for Specialised Resources. (Wales)	UKSpecialisedResourcesWalesType
TeachingMethodsLevel	O	Level of provision for Curriculum and Teaching Methods. (Wales)	UKCurriculumAndTeachingMethodsWalesType
EmbeddedBasicSkillsSupport	O	Provision of Embedded Basic Skills support beyond the attainment of formal qualification.	union of: UKBasicSkillsSupportWalesType
LiteracyLevelStart	O	Level of literacy at start of this SEN stage. (Wales)	xs:normalizedString
LiteracyLevelEnd	O	Level of literacy achieved by the end of this SEN stage. (Wales)	xs:normalizedString
NumeracyLevelStart	O	Level of numeracy at start of this SEN stage. (Wales)	xs:normalizedString
NumeracyLevelEnd	O	Level of numeracy achieved by the end of this SEN stage. (Wales)	xs:normalizedString
NationalCurriculumList	O	A list of National Curriculum subjects that have been modified or disappplied for this Learner.	List
NationalCurriculumList/NationalCurriculum	MR	A National Curriculum subject that has been modified or disappplied for this Learner.	
NationalCurriculumList/NationalCurriculum/Modification	M	How is the National Curriculum used for this learner?	values: M Modified N Disappplied
NationalCurriculumList/NationalCurriculum/Subject	M	National Curriculum subject(s) for which modification or disapplication applies.	UKGeneralSubjectType
MedicalFlag	O	Is there medical information on this Learner?	values: Yes No
ParamedicalSupport	O	Type of therapy needed by Learner.	values: P Physiotherapy S Speech Therapy O Occupational Therapy
MedicalNotes	O	Summary of learner's medical condition.	xs:normalizedString
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.24-1: LearnerSpecialNeeds

```

<LearnerSpecialNeeds RefId="B3E949552545531BECC511DB91D00002" LearnerPersonalRefId="B7865180DC7E11DB9C010016353E6F4C" SchoolInfoRefId="3A35946CDC"
  <UnitMember>Yes</UnitMember>
  <ResourcedProvisionMember>Yes</ResourcedProvisionMember>
  <NextReviewDate>2007-05-25</NextReviewDate>
  <Provision>A</Provision>
  <StartDate>2006-09-01</StartDate>
  <EndDate>2007-06-30</EndDate>
  <SENTypeList>
    <SENType Ranking="1">MLD</SENType>
  </SENTypeList>
  <AdviceAndAssessmentLevel>AA3</AdviceAndAssessmentLevel>
  <GroupingAndSupportLevel>GS2</GroupingAndSupportLevel>
  <SpecialisedResourcesLevel>SR1</SpecialisedResourcesLevel>
  <TeachingMethodsLevel>CT3</TeachingMethodsLevel>
  <EmbeddedBasicSkillsSupport>01</EmbeddedBasicSkillsSupport>
  <LiteracyLevelStart>4</LiteracyLevelStart>
  <LiteracyLevelEnd />
  <NumeracyLevelStart>3</NumeracyLevelStart>
  <NumeracyLevelEnd />
  <NationalCurriculumList>
    <NationalCurriculum>
      <Modification>M</Modification>
      <Subject>PRI</Subject>
    </NationalCurriculum>
  </NationalCurriculumList>
  <MedicalFlag>No</MedicalFlag>
  <ParamedicalSupport>S</ParamedicalSupport>
  <MedicalNotes>Pupil must be monitored constantly.</MedicalNotes>
</LearnerSpecialNeeds>

```

Example 3.3.24-1: LearnerSpecialNeeds

3.3.25 Lesson

A lesson on the timetable

SIF_Events are reported for this object.

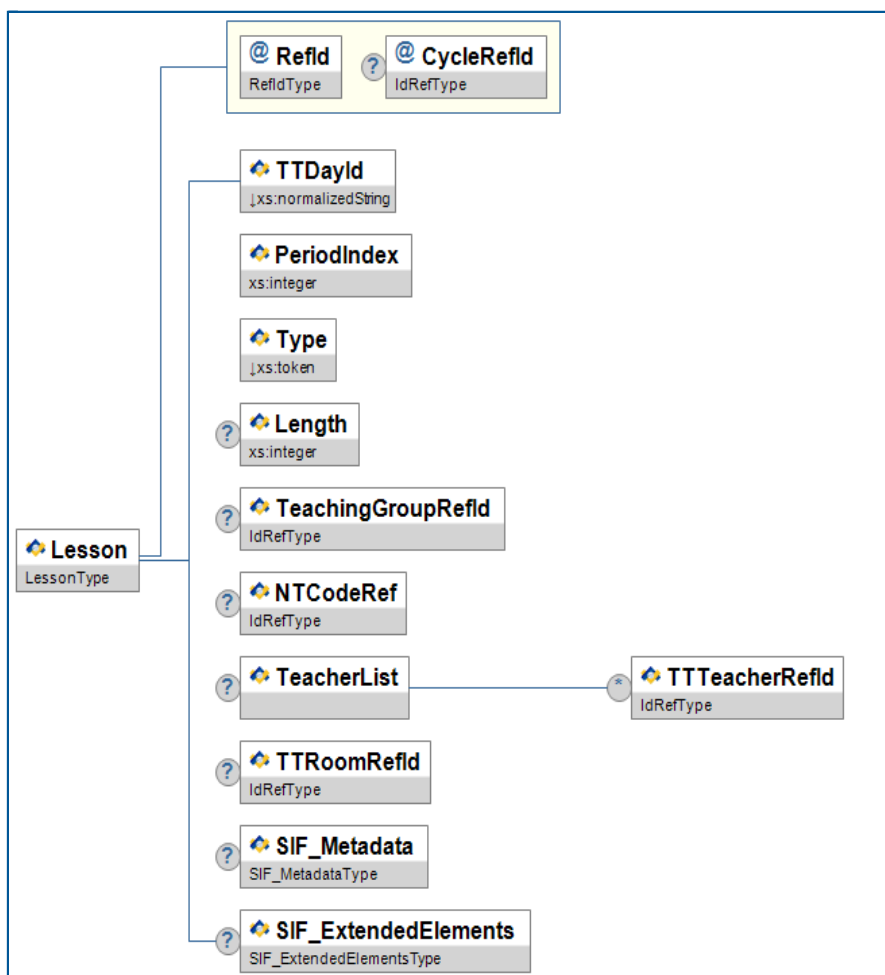


Figure 3.3.25-1: Lesson

Element/@Attribute	Char	Description	Type
Lesson		A lesson on the timetable	
@ RefId	M		RefIdType
@ CycleRefId	O	The RefId of the Cycle to which this Lesson belongs. This is optional to preserve backwards compatibility but it is very strongly advised that it should be correctly populated and considered mandatory in this version of the specification.	IdRefType
TDayId	M	Day this lesson is scheduled	xs:normalizedString xs:maxLength 5
PeriodIndex	M	Index of period this lesson/meeting starts	xs:integer
Type	M	Lesson/meeting type The value here determines whether a TeachingGroupID or an NTCode is required	values: T teaching N non-teaching
Length	O	Length of lesson in periods (1=single, 2=double, etc). Can omit if just a single.	xs:integer
TeachingGroupRefId	C	The Teaching Group being taught (may not be one if Type != "T") (see TeachingGroup)	IdRefType
NTCodeRef	C	If there is no TeachingGroupRefID (see NTCode)	IdRefType
TeacherList	O		List

Element/@Attribute	Char	Description	Type
TeacherList/TTTeacherRefId	OR	The teacher(s) teaching / supervising this lesson (see TTTeacher)	IdRefType
TTRoomRefId	O	The room (or location) where this lesson is taking place (see TTRoom)	IdRefType
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.25-1: Lesson

```
<Lesson RefId="6433E75ADAAA40EB9CCF5921D1B4AFFC">
  <TTDayId>DY01</TTDayId>
  <PeriodIndex>1</PeriodIndex>
  <Type>T</Type>
  <Length>2</Length>
  <TeachingGroupRefId>ABECD89932678725A317B265CE015413</TeachingGroupRefId>
  <TeacherList>
    <TTTeacherRefId>123456789012345678901234567890AB</TTTeacherRefId>
  </TeacherList>
  <TTRoomRefId>12345678901234567890123456789075</TTRoomRefId>
</Lesson>
```

Example 3.3.25-1: Lesson

```
<Lesson RefId="6A73E75ADAAA40EB9CCF5921D1B4AFFC">
  <TTDayId>DY01</TTDayId>
  <PeriodIndex>1</PeriodIndex>
  <Type>N</Type>
  <NTCodeRef>ABC000000000000003250726570537570</NTCodeRef>
  <TeacherList>
    <TTTeacherRefId>123456789012345678901234567890CD</TTTeacherRefId>
    <TTTeacherRefId>A2345678901234567890123456789012</TTTeacherRefId>
    <TTTeacherRefId>B2345678901234567890123456789034</TTTeacherRefId>
  </TeacherList>
</Lesson>
```

Example 3.3.25-2: Lesson

```
<Lesson RefId="3473E75ADAAA40EB9CCF5921D1B4AFFC">
  <TTDayId>DY01</TTDayId>
  <PeriodIndex>1</PeriodIndex>
  <Type>N</Type>
  <Length>5</Length>
  <NTCodeRef>ABC000000000000003250726570537570</NTCodeRef>
  <TeacherList>
    <TTTeacherRefId>123456789012342228901234567890CD</TTTeacherRefId>
  </TeacherList>
</Lesson>
```

Example 3.3.25-3: Lesson

3.3.26 NonTeachingActivity

A "non-teaching activity" is used to represent times when a teacher is not teaching a Teaching Group but is nonetheless "busy". Examples are meetings, part-time teachers who are not in school, PPA time, etc.

SIF_Events are reported for this object.

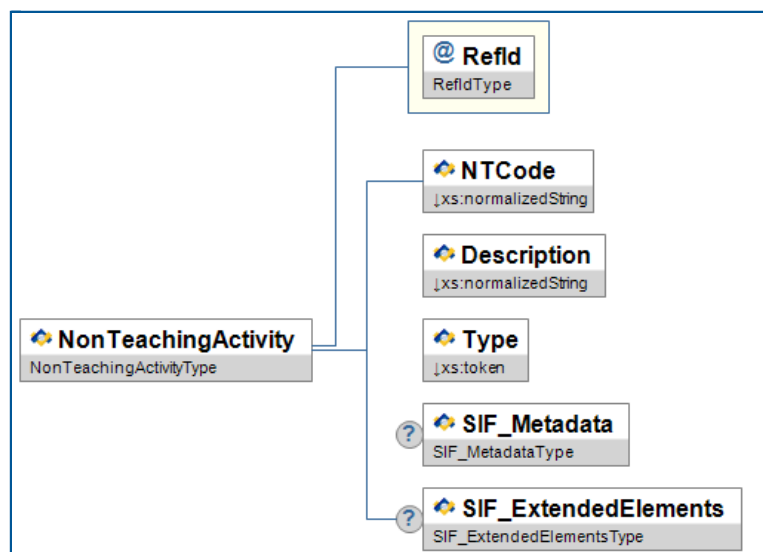


Figure 3.3.26-1: NonTeachingActivity

Element/@Attribute	Char	Description	Type
NonTeachingActivity		A "non-teaching activity" is used to represent times when a teacher is not teaching a Teaching Group but is nonetheless "busy". Examples are meetings, part-time teachers who are not in school, PPA time, etc.	
@RefId	M	A unique local identifier for this junction	RefIdType
NTCode	M	A unique code for the non-teaching activity	xs:normalizedString xs:maxLength 12
Description	M	A description of the non-teaching activity	xs:normalizedString xs:maxLength 25
Type	M	Lesson/meeting type Note this Type over-rides the period type in the cycle definition (in case, for eg, Period 1 is Registration for some classes but not others)	values: R registration B break L lunch O outside school hours (eg: clubs) U teacher unavailable (but in school) X teacher unavailable (out of school) N other (or unspecified) non-teaching
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.26-1: NonTeachingActivity

```

NonTeachingActivityList&gt;
<NonTeachingActivity RefId="0000000000000315374616666726F6F6D">
<NTCode>Staffroom</NTCode>
<Description>Staffroom</Description>
<Type>N</Type>
</NonTeachingActivity>

```

Example 3.3.26-1: NonTeachingActivity

```

<NonTeachingActivity RefId="1200000000000315374616666726F6443">
<NTCode>PPA</NTCode>
<Description>PPA time</Description>
<Type>N</Type>
</NonTeachingActivity>

```

Example 3.3.26-2: NonTeachingActivity

```

<NonTeachingActivity RefId="123400000000315374616666726F6901">
  <NTCode>UnAv</NTCode>
  <Description>Unavailable</Description>
  <Type>X</Type>
</NonTeachingActivity>

```

Example 3.3.26-3: NonTeachingActivity

3.3.27 PersonDietaryPreference

SIF_Events are reported for this object.

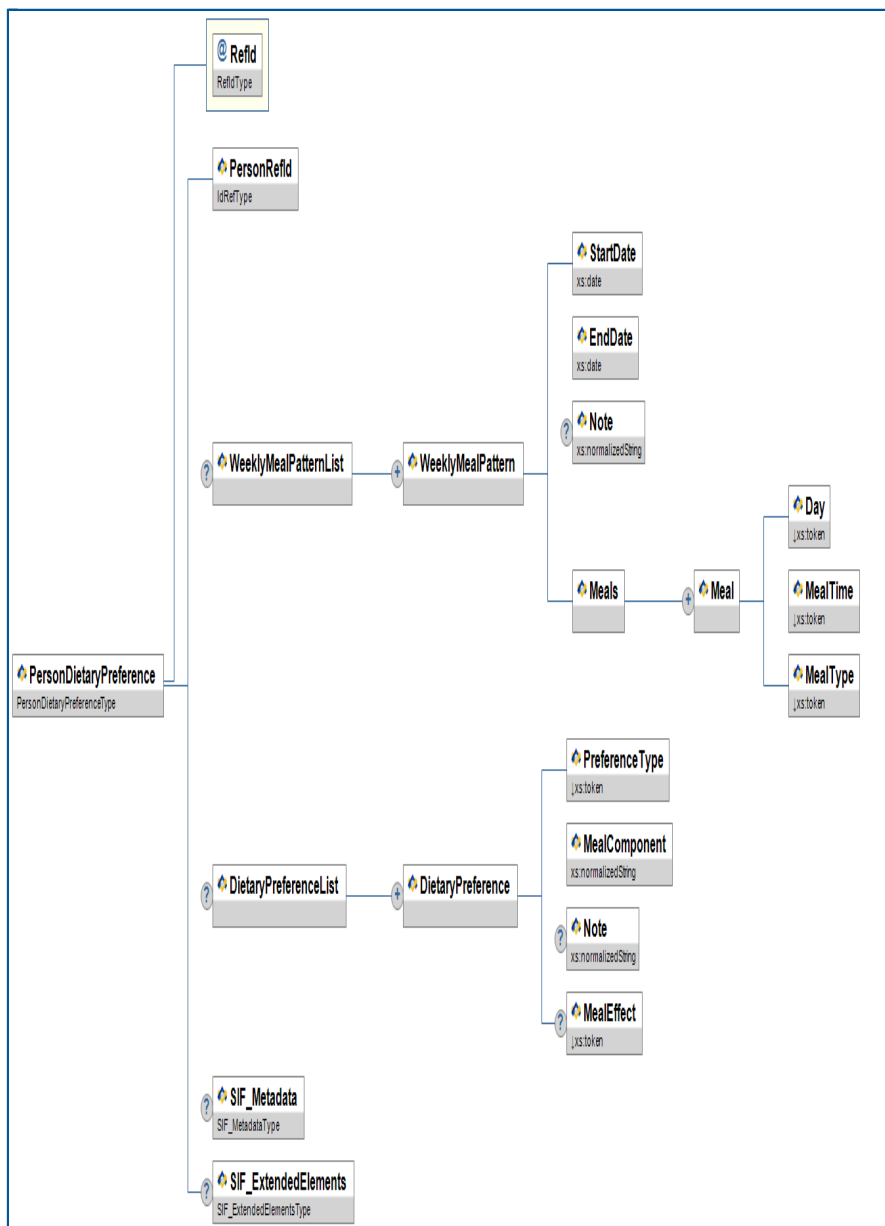


Figure 3.3.27-1: PersonDietaryPreference

	Element/@Attribute	Char	Description	Type
	PersonDietaryPreference			
@	RefId	M		RefIdType
Key	PersonRefId	M	The ID (GUID) of the person to whom the Dietary preference is linked.	IdRefType

Element/@Attribute	Char	Description	Type
WeeklyMealPatternList	O	Periods of Meal requirements on Certain days	List
WeeklyMealPatternList/WeeklyMealPattern	MR	Weekly Meal Pattern	
WeeklyMealPatternList/WeeklyMealPattern/StartDate	M	Date Specific pattern starts	xs:date
WeeklyMealPatternList/WeeklyMealPattern/EndDate	M	Date Specific pattern Ends.	xs:date
WeeklyMealPatternList/WeeklyMealPattern/Note	O	A note relating to pattern	xs:normalizedString
WeeklyMealPatternList/WeeklyMealPattern/Meals	M	List of Meals Required during Period	List
WeeklyMealPatternList/WeeklyMealPattern/Meals/Meal	MR	Has a Day , Time and Type defined below it	
WeeklyMealPatternList/WeeklyMealPattern/Meals/Meal/Day	M	The Day of week that Meal is required	values: Mon Tue Wed Thu Fri Sat Sun All
WeeklyMealPatternList/WeeklyMealPattern/Meals/Meal/MealTime	M	Which meal of the day is required	values: Breakfast Lunch Dinner Other
WeeklyMealPatternList/WeeklyMealPattern/Meals/Meal/MealType	M	What type of meal is required	values: Cooked Fixed Choice Cold Sandwich
DietaryPreferenceList	O	Periods of Meal requirements on Certain days	List
DietaryPreferenceList/DietaryPreference	MR	Dietary weekly Meal Pattern	
DietaryPreferenceList/DietaryPreference/PreferenceType	M	The Type of preference	values: Medical Allergy Personal Faith Cultural
DietaryPreferenceList/DietaryPreference/MealComponent	M	The component of meal	xs:normalizedString
DietaryPreferenceList/DietaryPreference/Note	O	A note relating to dietary preference	xs:normalizedString
DietaryPreferenceList/DietaryPreference/MealEffect	C	Should the Meal component be Included or Excluded from the meal. Default is Exclude	values: Include Exclude
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.27-1: PersonDietaryPreference

```

<PersonDietaryPreference RefId="B8359C32AE94474174B03008D9A2744E">
  <PersonRefId>8456D39051CC755293A4A4763088F3D3</PersonRefId>
  <WeeklyMealPatternList>
    <WeeklyMealPattern>
      <StartDate>2008-01-09</StartDate>
      <EndDate>2008-08-31</EndDate>
      <Note>AcadYr 2007/2008 choices</Note>
      <Meals>
        <Meal>
          <Day>Mon</Day>
          <MealTime>Lunch</MealTime>
          <MealType>Cooked</MealType>
        </Meal>
        <Meal>
          <Day>Tue</Day>
          <MealTime>Lunch</MealTime>
          <MealType>Cooked</MealType>
        </Meal>
      </Meals>
    </WeeklyMealPattern>
    <WeeklyMealPattern>
      <StartDate>2008-01-09</StartDate>
      <EndDate>2008-08-31</EndDate>
      <Note> AcadYr 2008/2009 choices </Note>
      <Meals>
        <Meal>
          <Day>All</Day>
          <MealTime>Lunch</MealTime>
          <MealType>Cooked</MealType>
        </Meal>
        <Meal>
          <Day>All</Day>
          <MealTime>Dinner</MealTime>
          <MealType>Cooked</MealType>
        </Meal>
      </Meals>
    </WeeklyMealPattern>
  </WeeklyMealPatternList>
  <DietaryPreferenceList>
    <DietaryPreference>
      <PreferenceType>Allergy</PreferenceType>
      <MealComponent>Nuts</MealComponent>
      <Note>Potential severe reaction - see medical notes</Note>
      <MealEffect>Exclude</MealEffect>
    </DietaryPreference>
    <DietaryPreference>
      <PreferenceType>Faith</PreferenceType>
      <MealComponent>Pork</MealComponent>
      <MealEffect>Exclude</MealEffect>
    </DietaryPreference>
  </DietaryPreferenceList>
</PersonDietaryPreference>

```

Example 3.3.27-1: PersonDietaryPreference

3.3.28 PersonPicture

This object either contains or references a person's picture. Compare with US/Canada objects: `StudentPicture` and `EmployeePicture`.

SIF_Events are reported for this object.

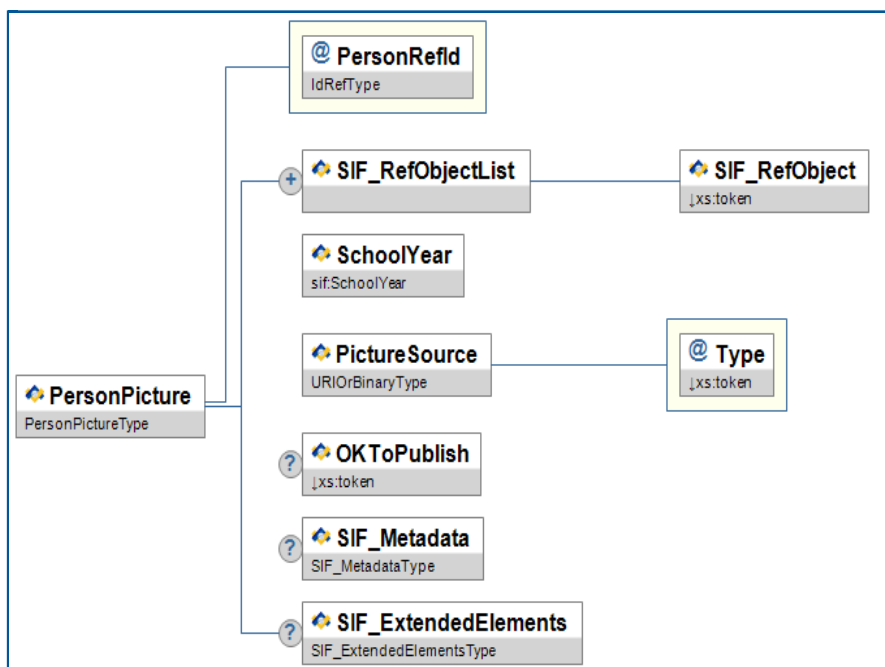


Figure 3.3.28-1: PersonPicture

Element/@Attribute	Char	Description	Type
PersonPicture		This object either contains or references a person's picture. Compare with US/Canada objects: <i>StudentPicture</i> and <i>EmployeePicture</i> .	
@ PersonRefId Key	M	This is the GUID of the person whose picture this is. It is important to note that using the same GUID a person may have a <i>LearnerPersonal</i> record, a <i>WorkforcePersonal</i> record, and a <i>ContactPersonal</i> record all at the same time. This same picture is applicable regardless of the associated object type(s).	IdRefType
SIF_RefObjectList	MR	A list of one or more "personal" object type codes representing objects that can be requested for this person using the specified PersonRefId.	List
SIF_RefObjectList/SIF_RefObject	M	The name of a "personal" object that can be requested for this person using the specified PersonRefId.	values: <i>ContactPersonal</i> <i>LearnerPersonal</i> <i>WorkforcePersonal</i>
SchoolYear	M	School year for which this picture is applicable, expressed as the four-digit year in which the school year ends (e.g. 2007 for the 2006/07 school year).	SchoolYear
PictureSource	M	This element defines the picture. If the Type attribute is URL, this is the location of the picture in [JPEG] format; if Type is JPEG, this is the [JPEG] image data encoded using the Base64 Content-Transfer-Encoding defined in Section 6.8 of [RFC 2045].	URIOrBinaryType
@ Type	M	The way the picture is specified (URL or JPEG).	values: URL JPEG
OKToPublish	O	Can the picture be published?	values: Yes No
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.28-1: PersonPicture

```
<PersonPicture PersonRefId="D3E34B359D75101A8C3D00AA001A1652">
  <SIF_RefObjectList>
    <SIF_RefObject>LearnerPersonal</SIF_RefObject>
  </SIF_RefObjectList>
  <SchoolYear>2007</SchoolYear>
  <PictureSource Type="URL">http://www.schoolsite.com/pictures/1999/1234.jpg</PictureSource>
  <OKToPublish>Yes</OKToPublish>
</PersonPicture>
```

Example 3.3.28-1: PersonPicture

3.3.29 SchoolDiaryEntry

Container for school diary events such as open evenings, sports days, etc. Not for description of term start and end dates (see *TermInfo*) or timetabled events such as lessons (see *TT**, *Cycle*, *Lesson* objects).

SIF_Events are reported for this object.

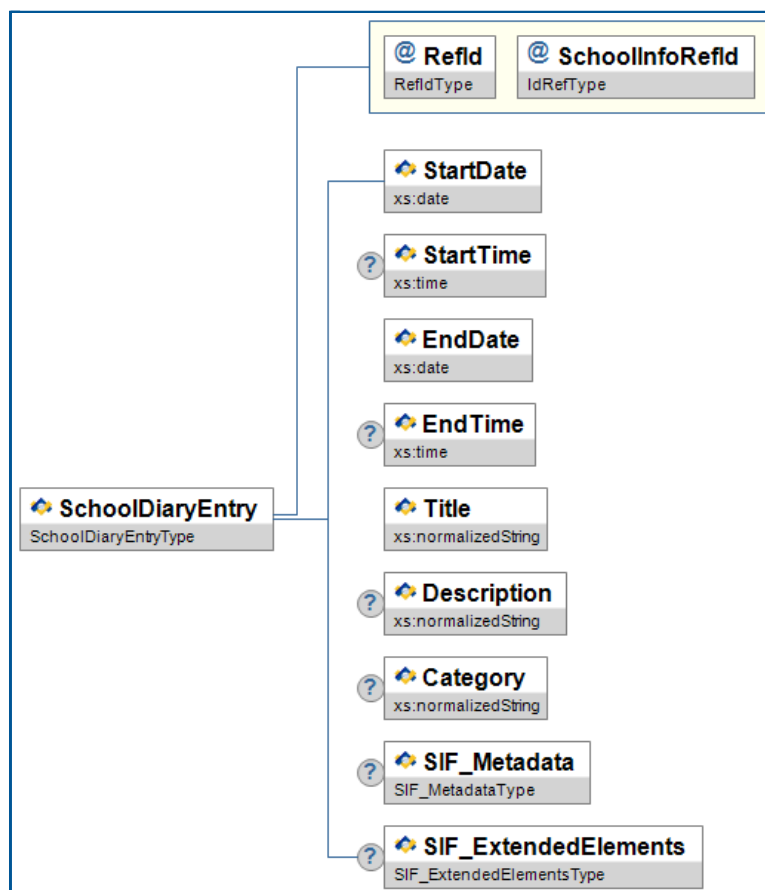


Figure 3.3.29-1: SchoolDiaryEntry

Element/@Attribute	Char	Description	Type
SchoolDiaryEntry		Container for school diary events such as open evenings, sports days, etc. Not for description of term start and end dates (see TermInfo) or timetabled events such as lessons (see TT*, Cycle, Lesson objects).	
@ RefId	M	The ID (GUID) that uniquely identifies a particular SchoolDiaryEntry.	RefIdType
@ SchoolInfoRefId	M	The ID (GUID) of the school to which this SchoolDiaryEntry applies.	IdRefType
StartDate	M	Date the specific SchoolDiaryEntry starts.	xs:date
StartTime	O	Specific time that SchoolDiaryEntry starts. If omitted then assumed to be an all day event.	xs:time
EndDate	M	Date the specific DiaryEntry ends. If a single day event then it is same value as StartDate	xs:date
EndTime	O	Specific time that the SchoolDiaryEntry ends. If omitted then the SchoolDiaryEntry is assumed to be an all day event.	xs:time
Title	M	The name of the event.	xs:normalizedString
Description	O	A description relating to the event.	xs:normalizedString
Category	O	The user-defined, free text category of the diary entry. For example Open Evenings, Parent Evenings or Sports Events.	xs:normalizedString
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.29-1: SchoolDiaryEntry

```
<SchoolDiaryEntry RefId="07660F2862CA460BAA95E57AB49CBE88" SchoolInfoRefId="90000F2862CA460BAA95E57AB49C6655">
  <StartDate>2011-07-14</StartDate>
  <StartTime>19:30:00</StartTime>
  <EndDate>2011-07-14</EndDate>
  <EndTime>21:00:00</EndTime>
  <Title>Year 9 Open Evening</Title>
  <Description>Year 9 summer term open evening</Description>
  <Category>Open Evenings</Category>
</SchoolDiaryEntry>
```

Example 3.3.29-1: SchoolDiaryEntry

3.3.30 SchoolGroup

This object describes a specific group and includes resource and time tabling information. All groups are based upon a SchoolGroupType record. However, there are courses which are not based upon any subject area and likewise may not have any teachers or other staff assigned. Compare with US/Canada object: *SectionInfo*.

SIF_Events are reported for this object.

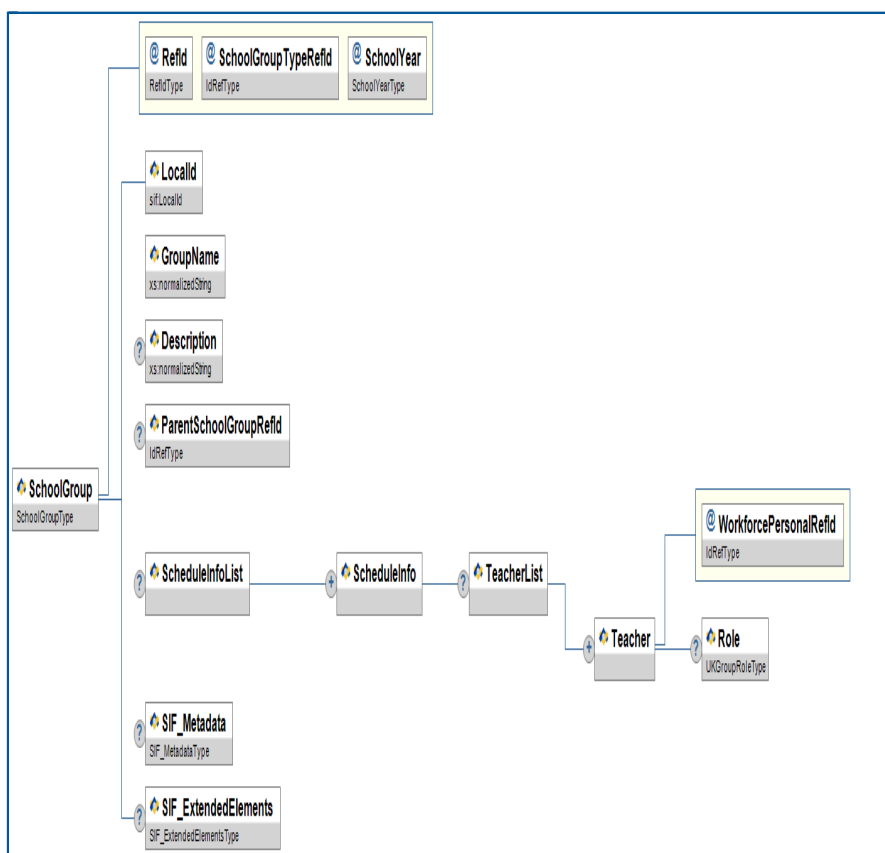


Figure 3.3.30-1: SchoolGroup

	Element/@Attribute	Char	Description	Type
	SchoolGroup		This object describes a specific group and includes resource and time tabling information. All groups are based upon a SchoolGroupType record. However, there are courses which are not based upon any subject area and likewise may not have any teachers or other staff assigned. Compare with US/Canada object: <i>SectionInfo</i> .	
@	RefId	M	The ID (GUID) that uniquely identifies this group entity.	RefIdType
@	SchoolGroupTypeRefId	M	The ID (GUID) that identifies a course upon which this group is centered. Note that this element is mandatory when GroupType is associated with a course (teaching group).	IdRefType
@	SchoolYear	M	School year for which the group is applicable, expressed as the four-digit year in which the school year ends (e.g. 2007 for the 2006/07 school year). Where a group membership is valid across multiple years, the current year at the time of publication will be used.	SchoolYear
	LocalId	M	The locally-assigned (unique) identifier for this group.	LocalId
	GroupName	M	The name associated with this group for display purposes.	xs:normalizedString
	Description	O	A textual description.	xs:normalizedString
	ParentSchoolGroupRefId	O	The parent group associated with this group, if any.	IdRefType
	ScheduleInfoList	O		List
	ScheduleInfoList/ScheduleInfo	MR	The schedule-related information for a section repeating for each term in which the section is scheduled.	
	ScheduleInfoList/ScheduleInfo/TeacherList	O	A list of teachers, staff, or other non-learners associated with this group.	List
	ScheduleInfoList/ScheduleInfo/TeacherList/Teacher	MR	A teacher, staff, or other non-learner associated with this group.	
@	WorkforcePersonalRefId	M	The ID (GUID) of a teacher, staff member, or other employee participating in a non-learner capacity within this group.	IdRefType
	ScheduleInfoList/ScheduleInfo/TeacherList/Teacher/Role	O	The role associated with this person in the context of this group.	UKGroupRoleType
	SIF_Metadata	O		SIF_Metadata

Element/@Attribute	Char	Description	Type
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.30-1: SchoolGroup

```

<SchoolGroup RefId="448CCF34A4B54757B09E4BB37DE69CB1" SchoolGroupTypeRefId="900B4180DC7E11DB9C0100163564AA14" SchoolYear="2007">
  <LocalId>SCI200</LocalId>
  <GroupName>Natural Science II</GroupName>
  <Description>Exploration of natural sciences, 2nd Year</Description>
  <ScheduleInfoList>
    <ScheduleInfo>
      <TeacherList>
        <Teacher WorkforcePersonalRefId="5EE44B359D75101A8C3D00AA001B7B89">
          <Role>TCH</Role>
        </Teacher>
        <Teacher WorkforcePersonalRefId="3D00AA001B7B895EE44B359D75101A8C">
          <Role>SUP</Role>
        </Teacher>
      </TeacherList>
    </ScheduleInfo>
  </ScheduleInfoList>
</SchoolGroup>

```

Example 3.3.30-1: SchoolGroup

3.3.31 SchoolGroupType

This object describes a high-level course or class grouping organised and/or taught within a school or establishment. Note that not all courses are based upon a subject area. One such course is "Class Group" which is the same as a homeroom or registration group. Compare with US/Canada object: *SchoolCourseInfo*.

SIF_Events are reported for this object.

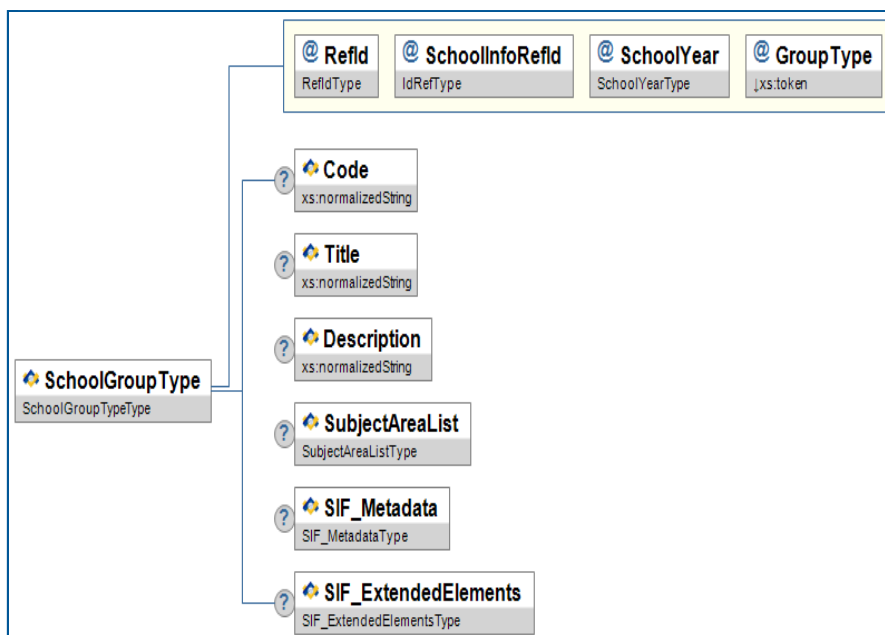


Figure 3.3.31-1: SchoolGroupType

Element/@Attribute	Char	Description	Type
SchoolGroupType		This object describes a high-level course or class grouping organised and/or taught within a school or establishment. Note that not all courses are based upon a subject area. One such course is "Class Group" which is the same as a homeroom or registration group. Compare with US/Canada object: <i>SchoolCourseInfo</i> .	
@ RefId	M	The GUID that uniquely identifies a school course.	RefIdType
@ SchoolInfoRefId	M	The ID (GUID) that references the school or establishment where the course is offered or the registration group exists.	IdRefType
@ SchoolYear	M	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g. 2007 for the 2006/07 school year). Where a group membership is valid across multiple years, the current year at the time of publication will be used.	SchoolYear

Element/@Attribute	Char	Description	Type
@ GroupType	M	The group type. Teaching groups are used to teach subjects while other groups are organised for various other reasons.	values: G Generic Group R Registration/Class Group T Teaching (course) Group
Code	O	The school defined local code for the group (or course).	xs:normalizedString
Title	O	Title associated with this group.	xs:normalizedString
Description	O	Textual description for the group.	xs:normalizedString
SubjectAreaList	O	Subject matter areas taught as part of the course, if any.	SubjectAreaList
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.31-1: SchoolGroupType

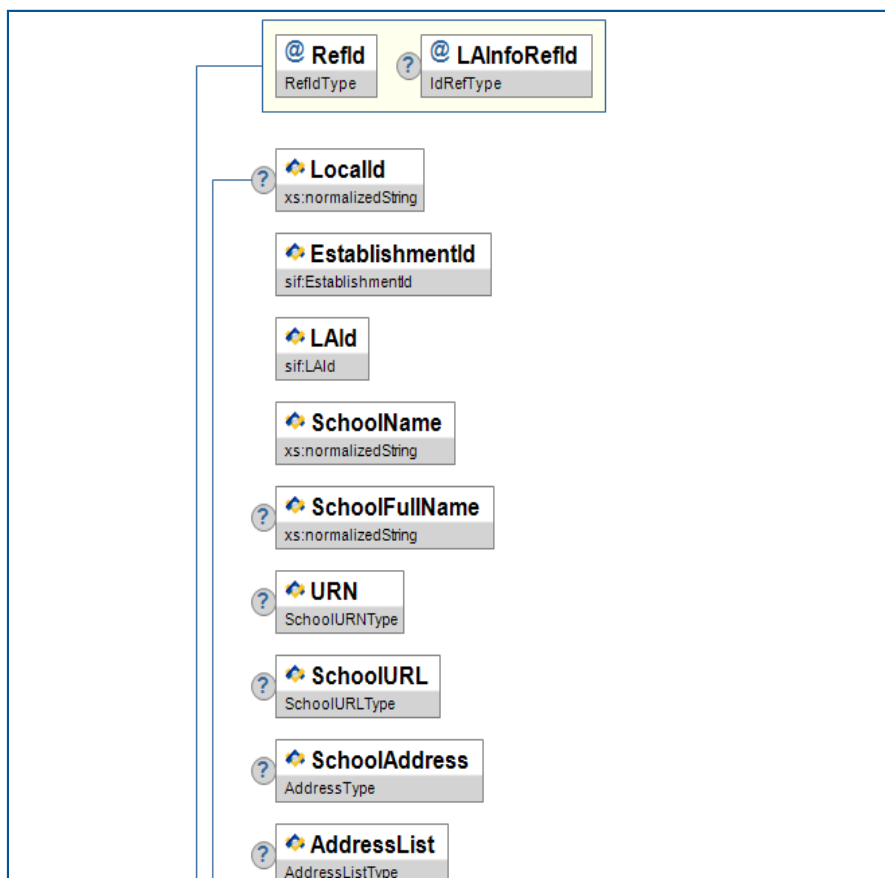
```
<SchoolGroupType RefId="900B4180DC7E11DB9C0100163564AA14" SchoolInfoRefId="D6F60F2862CA460BAA95E57AB49CBE88" SchoolYear="2007" GroupType="T">
  <Code>NSCI</Code>
  <Title>Natural Science Studies</Title>
  <Description>General classification for all study of the natural sciences</Description>
  <SubjectAreaList>
    <SubjectArea>ASC</SubjectArea>
    <SubjectArea>BIO</SubjectArea>
    <SubjectArea>CHM</SubjectArea>
    <SubjectArea>CSB</SubjectArea>
    <SubjectArea>CSC</SubjectArea>
    <SubjectArea>CSP</SubjectArea>
    <SubjectArea>ENV</SubjectArea>
    <SubjectArea>GLG</SubjectArea>
    <SubjectArea>PHY</SubjectArea>
    <SubjectArea>SCI</SubjectArea>
  </SubjectAreaList>
</SchoolGroupType>
```

Example 3.3.31-1: SchoolGroupType

3.3.32 SchoolInfo

This object contains basic information about a school or other educational establishment. Compare with US/Canada object with the same name.

SIF_Events are reported for this object.



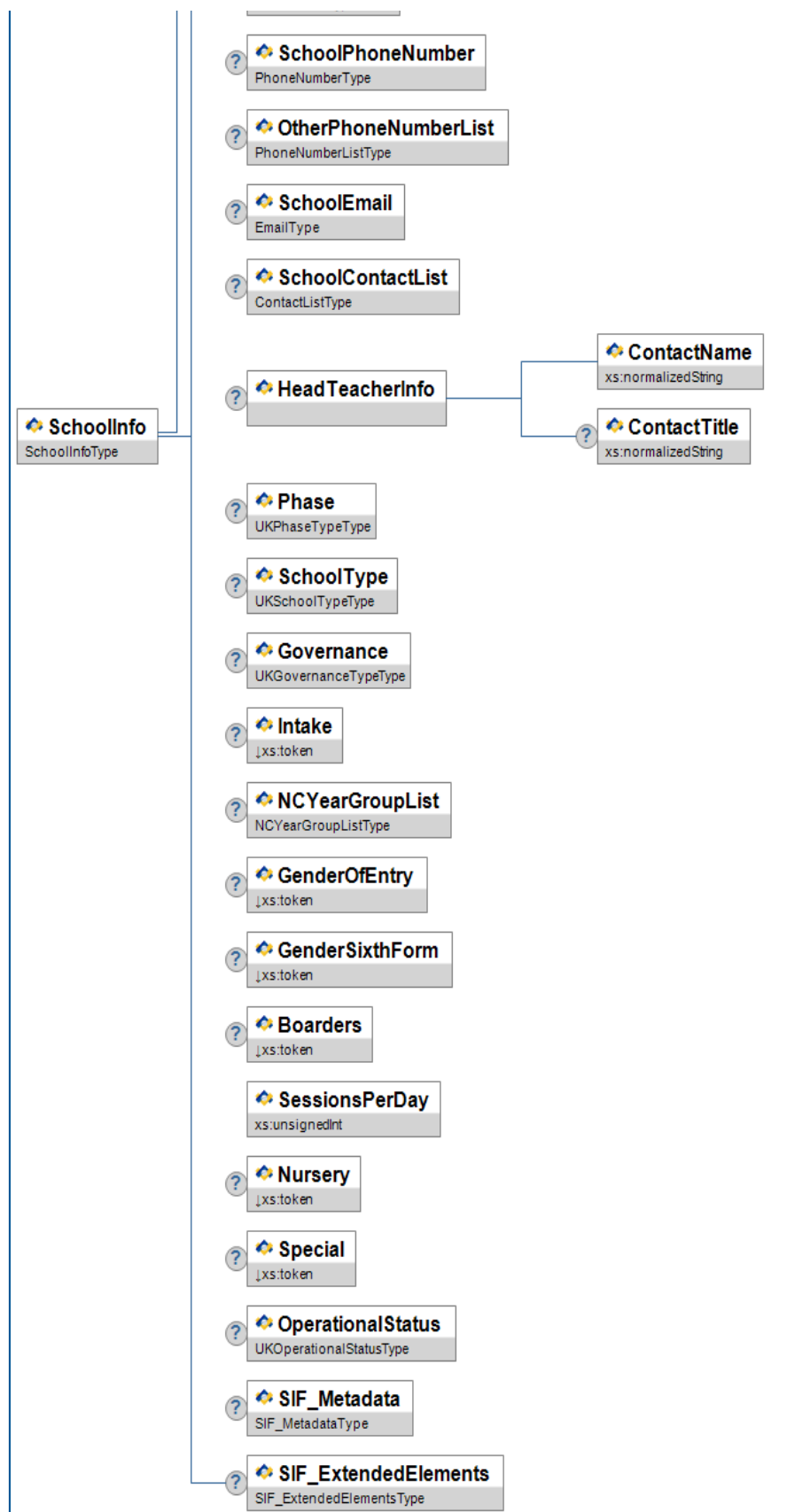


Figure 3.3.32-1: SchoolInfo

	Element/@Attribute	Char	Description	Type
	SchoolInfo		This object contains basic information about a school or other educational establishment. Compare with US/Canada object with the same name.	
@ Key	RefId	M	The GUID that identifies this school.	RefIdType
@	LAInfoRefId	O	The ID (GUID) assigned to the LA of which this school is a member.	IdRefType

Element/@Attribute	Char	Description	Type
LocalId	O	An ID assigned by the publishing agent for this school or establishment. This may be set to any value.	xs:normalizedString
EstablishmentId	M	DfES Establishment Number for this school.	EstablishmentId
LAId	M	The 3-digit LA number assigned by DfES.	LAId
SchoolName	M	School's name as indicated on the Annual Schools Census.	xs:normalizedString
SchoolFullName	O	School's full name as stated in the Instrument of Government.	xs:normalizedString
URN	O	School Unique Reference Number. This number is an alternate to the Establishment Number.	SchoolURN
SchoolURL	O	URL for the school.	SchoolURL
SchoolAddress	O	The school's published address.	Address
AddressList	O	Other addresses associated with the school.	AddressList
SchoolPhoneNumber	O	The main phone number for this school/establishment.	PhoneNumber
OtherPhoneNumberList	O	A list of the school's phone numbers.	PhoneNumberList
SchoolEmail	O	School's email address for general correspondence.	Email
SchoolContactList	O	A list of contacts at the school.	ContactList
HeadTeacherInfo	O	Name and title fo the school's Head Teacher.	
HeadTeacherInfo/ContactName	M	The name of the head Teacher.	xs:normalizedString
HeadTeacherInfo/ContactTitle	O	The official title of the Head Teacher.	xs:normalizedString
Phase	O	The high level code indicating the level of the educational institution.	UKPhaseTypeType
SchoolType	O	An indication of the level of the educational institution.	UKSchoolTypeType
Governance	O	Governance afforded to this school.	UKGovernanceTypeType
Intake	O	Intake type.	values: COMP Comprehensive SEL1 Selective (Grammar) SEL2 Secondary Modern SEL3 Selective (Technical) SEL4 Religious School
NCYearGroupList	O	Collection of National Curriculum Year Groups offered in this school or establishment.	NCYearGroupList
GenderOfEntry	O	Gender of learners allowed for entry to school.	values: C Coeducational F Female only M Male only
GenderSixthForm	O	Gender of learners allowed for entry to Sixth Form.	values: C Coeducational F Female only M Male only blank = HighestNCYear less than 12
Boarders	O	Indicates whether the school supports boarders or not.	values: Yes No
SessionsPerDay	M	The number of sessions in the usual school day (usually two).	xs:unsignedInt
Nursery	O	Indicates whether the school maintains a nursery class or not. Must be NO if Phase is set to MP, MS or SY. Must be YES if Phase is set to NY or EY.	values: Yes No
Special	O	Indicates whether the school has a special class/unit or not. Must be Yes if Phase = SP. Any details will be stored in the associated SchoolInfoDetail object.	values: Yes No
OperationalStatus	O	Operational condition of a school.	UKOperationalStatusType
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.32-1: SchoolInfo

```

<SchoolInfo RefId="D6F60F2862CA460BAA95E57AB49CBE88" LAInfoRefId="81559915646EBEC342277E6D2AA5EAEA">
  <LocalId>005415</LocalId>
  <EstablishmentId>5415</EstablishmentId>
  <LAId>330</LAId>
  <SchoolName>King's Norton Boys' School</SchoolName>
  <SchoolFullName>King's Norton Boys' School</SchoolFullName>
  <SchoolURL>www.kingsnortonboys.bham.sch.uk</SchoolURL>
  <SchoolAddress Type="Current">
    <PAON>
      <Description>Main Office</Description>
    </PAON>
    <Street>Northfield Road</Street>
    <Town>Birmingham</Town>
    <PostCode>B30 1DY</PostCode>
    <Country>GBR</Country>
  </SchoolAddress>
  <SchoolPhoneNumber Type="W">
    <Number>01216280010</Number>
    <ListedStatus>Listed</ListedStatus>
  </SchoolPhoneNumber>
  <OtherPhoneNumberList>
    <PhoneNumber Type="F">
      <Number>01216280080</Number>
    </PhoneNumber>
  </OtherPhoneNumberList>
  <SchoolEmail Type="Business">enquiry@kingsnortonboys.bham.sch.uk</SchoolEmail>
  <HeadTeacherInfo>
    <ContactName>Mr. Roy Baylis</ContactName>
    <ContactTitle>Head Teacher</ContactTitle>
  </HeadTeacherInfo>
  <Phase>SY</Phase>
  <SchoolType>39</SchoolType>
  <Governance>F0</Governance>
  <Intake>SEL3</Intake>
  <NYearGroupList>
    <NYearGroup>7</NYearGroup>
    <NYearGroup>8</NYearGroup>
    <NYearGroup>9</NYearGroup>
    <NYearGroup>10</NYearGroup>
    <NYearGroup>11</NYearGroup>
    <NYearGroup>12</NYearGroup>
    <NYearGroup>13</NYearGroup>
    <NYearGroup>14</NYearGroup>
  </NYearGroupList>
  <GenderOfEntry>M</GenderOfEntry>
  <GenderSixthForm>M</GenderSixthForm>
  <Boarders>No</Boarders>
  <SessionsPerDay>2</SessionsPerDay>
  <Nursery>No</Nursery>
  <Special>No</Special>
  <OperationalStatus>1</OperationalStatus>
</SchoolInfo>

```

Example 3.3.32-1: SchoolInfo

3.3.33 SchoolMealStatus

Object to determine school days, non school days or any "special arrangement" days

SIF_Events are reported for this object.

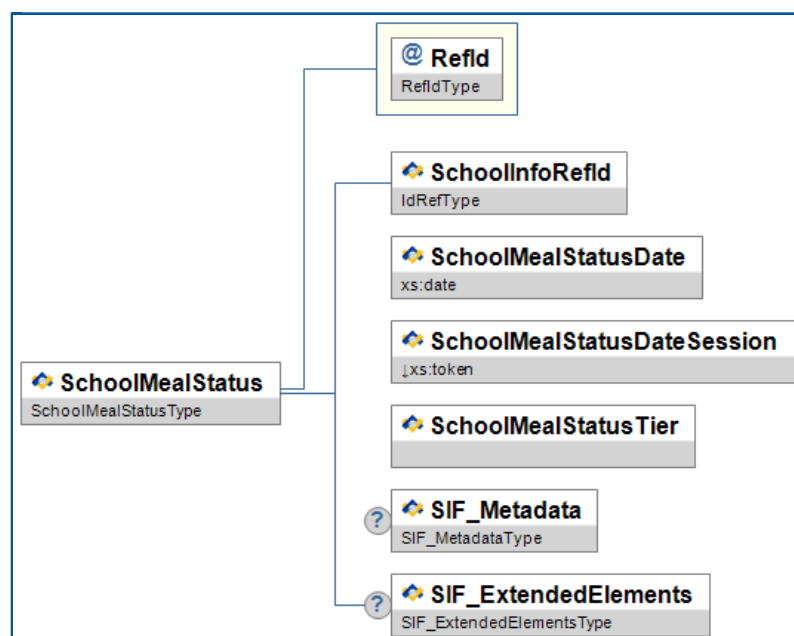


Figure 3.3.33-1: SchoolMealStatus

	Element/@Attribute	Char	Description	Type
	SchoolMealStatus		Object to determine school days, non school days or any "special arrangement" days	
@ key	RefId	M	The ID (GUID) that uniquely identifies a particular MealStatus reference	RefIdType
	SchoolInfoRefId	M	The ID (GUID) of the school to which this MealStatus applies.	IdRefType
	SchoolMealStatusDate	M	The status of the school on a particular date; e.g., Status for staff, Y/N, Status for pupils Y/N	xs:date
	SchoolMealStatusDateSession	M	AM or PM	values: AM PM
	SchoolMealStatusTier	M	Whether the status applies to the whole school or part of the school; e.g., Whole, Junior, Senior, Upper, lower etc.,	
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.33-1: SchoolMealStatus

```
<SchoolMealStatus RefId="B8359C32AE94474174B03008D9A2744E">
  <SchoolInfoRefId>AE98AE59A2841743117D9192C326B873</SchoolInfoRefId>
  <SchoolMealStatusDate>2008-01-10</SchoolMealStatusDate>
  <SchoolMealStatusDateSession>AM</SchoolMealStatusDateSession>
  <SchoolMealStatusTier>Whole</SchoolMealStatusTier>
</SchoolMealStatus>
```

Example 3.3.33-1: SchoolMealStatus

3.3.34 Scope

Scope of this timetable, ie: a general description of what dates the timetable covers, etc

SIF_Events are reported for this object.

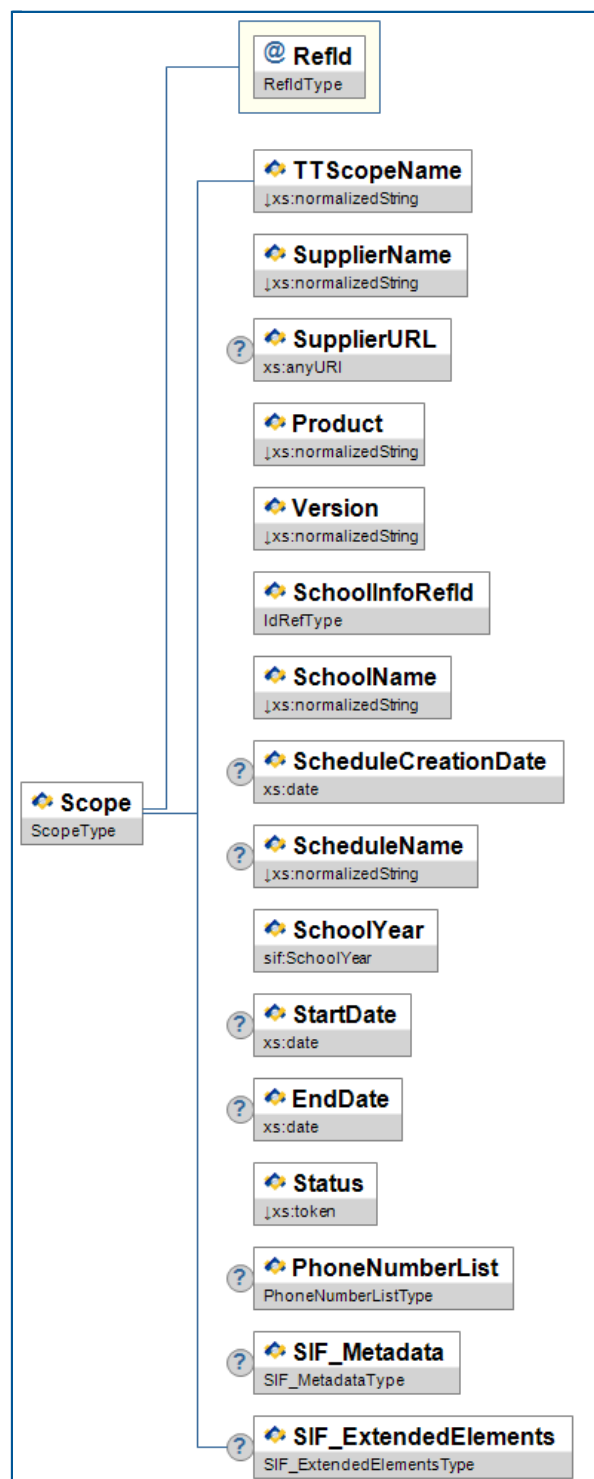


Figure 3.3.34-1: Scope

Element/@Attribute	Char	Description	Type
Scope		Scope of this timetable, ie: a general description of what dates the timetable covers, etc	
@RefId	M	Unique GUID for this Timetable transfer	RefIdType
TTScopeName	M	A short label for reference in screen displays.	xs:normalizedString xs:maxLength 50
SupplierName	M	The supplier of the software that created this message	xs:normalizedString xs:maxLength 50

Element/@Attribute	Char	Description	Type
SupplierURL	O	A URL to a page on the supplier's website that gives information about the transfer and/or contact details for the supplier.	xs:anyURI
Product	M	The product that created this message	xs:normalizedString xs:maxLength 40
Version	M	The version of that Product	xs:normalizedString xs:maxLength 20
SchoolInfoRefId	M	The unique school ID, taken from the existing SchoolInfo object (requested from ZIS)	IdRefType
SchoolName	M	The school name in plain text – to help a person to see immediately this is the correct school	xs:normalizedString xs:maxLength 60
ScheduleCreationDate	C	Date schedule was created or last edited (omitted for "Basic data only" message)	xs:date
ScheduleName	C	Name given to schedule by timetabler. The TT-Software may contain more than one schedule, so this tells us which one is being sent.	xs:normalizedString xs:maxLength 20
SchoolYear	M	The academic year the timetable or basic data relates to (given as year the academic year ends in)	SchoolYear
StartDate	C	First day of the timetable	xs:date
EndDate	C	Last day of the timetable	xs:date
Status	M	The "Status" of the timetable transfer 'BT' and 'ET' are sent by TTSoftware when sending a timetable. The others are sent by the MIS after receiving a timetable. (See also "Reasons for Status" below).	values: BT Beginning of transfer. ET End of transfer. RP Received but import pending. SI Successful import. UI Unsuccessful import.
PhoneNumberList	O	The supplier's phone number(s).	PhoneNumberList
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.34-1: Scope

```

<Scope RefId="07660F2862CA460BAA95E57AB49CBE88">
  <TTScopeName>Timetable 2008-09</TTScopeName>
  <SupplierName>October Resolutions</SupplierName>
  <SupplierURL>www.sifassociation.org</SupplierURL>
  <Product>TimeTabler</Product>
  <Version>4.90.00</Version>
  <SchoolInfoRefId>D6F60F2862CA460BAA95E57AB49CBE88</SchoolInfoRefId>
  <SchoolName>Example High School</SchoolName>
  <ScheduleCreationDate>2008-08-25</ScheduleCreationDate>
  <ScheduleName>Final Schedule 08-09</ScheduleName>
  <SchoolYear>2008</SchoolYear>
  <StartDate>2008-09-01</StartDate>
  <EndDate>2009-07-31</EndDate>
  <Status>BT</Status>
</Scope>

```

Example 3.3.34-1: TTScope

3.3.35 TeachingGroup

A Teaching Group

SIF_Events are reported for this object.

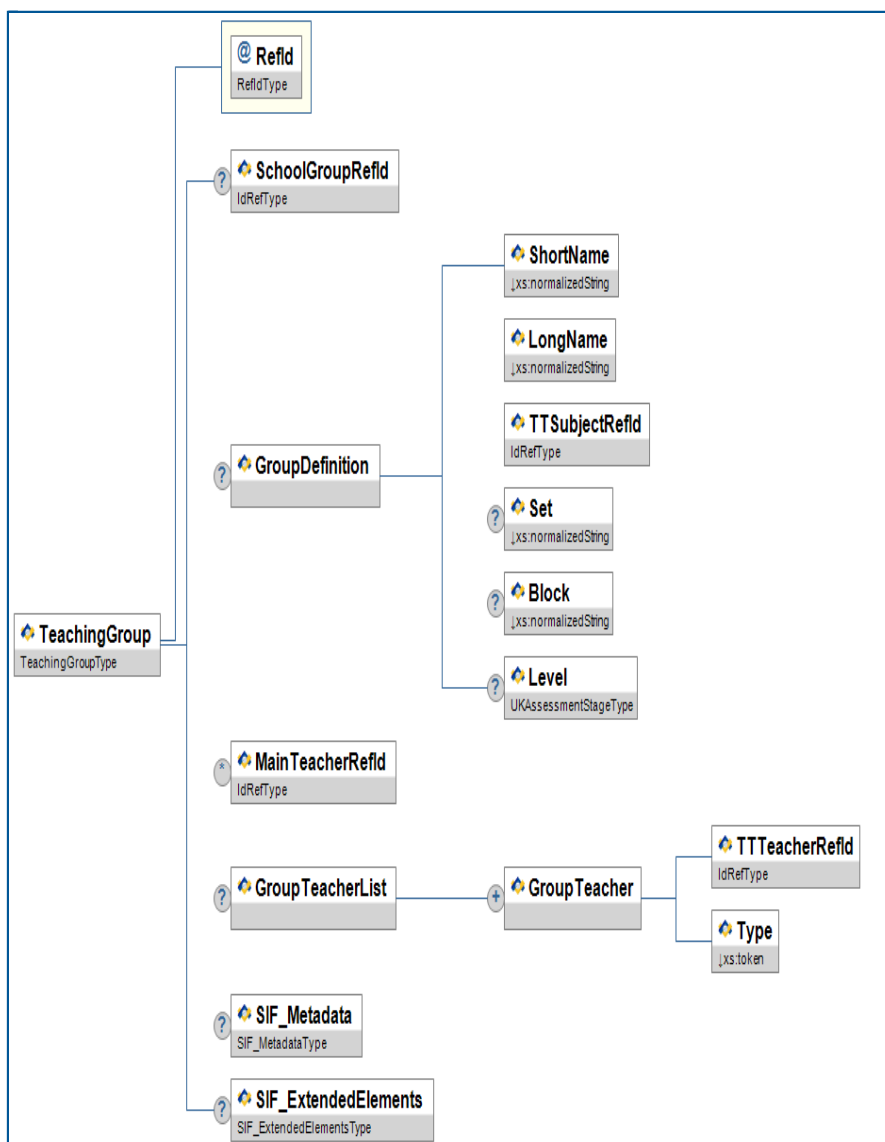


Figure 3.3.35-1: TeachingGroup

Element/@Attribute	Char	Description	Type
TeachingGroup		A Teaching Group	
@RefId	M	Unique local ID	RefIdType
SchoolGroupRefId	O	The RefId of the SchoolGroup (typically in the MIS) that represents this TeachingGroup. (This will typically be known if the information is coming from an MIS; but typically not known if the information is coming from timetabling software.)	IdRefType
GroupDefinition	C	Required if MISRefId omitted (ie: if this is a new (proposed) TG) Optional if MISRefId included	
GroupDefinition/ShortName	M	A short free-format label that describes the group. Used for display purposes in the MIS or TT-Software.	xs:normalizedString xs:maxLength 12
GroupDefinition/LongName	M	A longer label to help office staff understand the meaning of the group	xs:normalizedString xs:maxLength 80
GroupDefinition/TTSubjectRefId	M	Subject being taught - see TTSubject NB: We do not allow a TG to have no subject	IdRefType

Element/@Attribute	Char	Description	Type
GroupDefinition/Set	O	Set number (typically 1,2,3,etc or A,B,C, etc but could be a longer label). Can be useful when office staff are trying to "recognise" a TG	xs:normalizedString xs:maxLength 5
GroupDefinition/Block	O	Block number or letter (eg: "A") Can be useful when office staff are trying to "recognise" a TG	xs:normalizedString xs:maxLength 5
GroupDefinition/Level	O	Level / Assessment Stage, eg "KS3" (if known / relevant)	UKAssessmentStageType
MainTeacherRefId	OR	The main teacher / supervisor / etc for this group (for reporting / recognition purposes) (see TTTeacher)	IdRefType
GroupTeacherList	O	A list of teachers associated with this TG	List
GroupTeacherList/GroupTeacher	MR	A teacher associated with this TG	
GroupTeacherList/GroupTeacher/TTTeacherRefId	M	The teacher (see TTTeacher)	IdRefType
GroupTeacherList/GroupTeacher/Type	M	The teacher's relationship with the TG	values: A Assistant H Head-of-Dept/Subject-Leader Z other/unspecified
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.35-1: TeachingGroup

```
<TeachingGroup RefId="ABECD89932678725A317B265CE015455">
  <GroupDefinition>
    <ShortName>7P/Tel</ShortName>
    <LongName>7P Technology Set1</LongName>
    <TTSubjectRefId>1552098761827530018AB42367CFF301</TTSubjectRefId>
    <Set>1</Set>
    <Block>P</Block>
  </GroupDefinition>
</TeachingGroup>
```

Example 3.3.35-1: TeachingGroup - 1

```
<TeachingGroup RefId="ABECD89932678725A317B265CE015456">
  <GroupDefinition>
    <ShortName>7P/Te2</ShortName>
    <LongName>7P Technology Set2</LongName>
    <TTSubjectRefId>1552098761827530018AB42367CFF301</TTSubjectRefId>
    <Set>1</Set>
    <Block>P</Block>
  </GroupDefinition>
</TeachingGroup>
```

Example 3.3.35-2: TeachingGroup - 2

3.3.36 TermInfo

This object provides information about a term; i.e., a reportable period of time. Compare with US/Canada object: *TermInfo*.

SIF_Events are reported for this object.

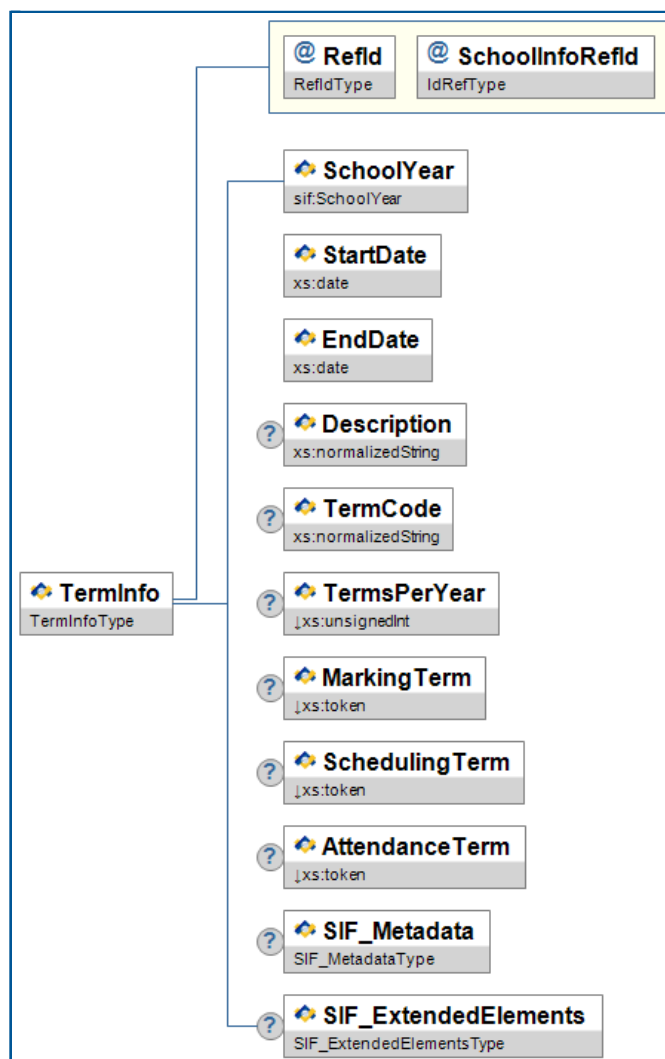


Figure 3.3.36-1: TermInfo

Element/@Attribute	Char	Description	Type
TermInfo		This object provides information about a term; i.e., a reportable period of time. Compare with US/Canada object: <i>TermInfo</i> .	
@ RefId	M	The ID (GUID) that uniquely identifies this TermInfo entity.	RefIdType
@ SchoolInfoRefId	M	The ID (GUID) that identifies the school where the term is used.	IdRefType
SchoolYear	M	School year for which the information is applicable, expressed as the four-digit year in which the school year ends (e.g. 2006/07 school year). Where a group membership is valid across multiple years, the current year at the time of publication will be used.	SchoolYear
StartDate	M	Starting date of the term.	xs:date
EndDate	M	Ending date of the term.	xs:date
Description	O	Text-based description of the term.	xs:normalizedString
TermCode	O	Locally-defined code. Use 'AUT', 'SPR', or 'SUM' for a 3 term year. Otherwise specify the term number within the year.	xs:normalizedString
TermsPerYear	O	The number of terms in a given year (3-6).	xs:unsignedInt xs:minInclusive 3 xs:maxInclusive 6
MarkingTerm	O	Does this TermInfo represent a marking period?	values: Yes No
SchedulingTerm	O	Does this TermInfo represent a scheduling term?	values: Yes No
AttendanceTerm	O	Does this TermInfo represent an attendance term?	values: Yes No

Element/@Attribute	Char	Description	Type
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.36-1: TermInfo

```
<TermInfo RefId="7E59D75101A80A70016375DE097A0726" SchoolInfoRefId="A2E35B359D75101A8C3D00AA001A0000">
  <SchoolYear>2007</SchoolYear>
  <StartDate>2007-01-05</StartDate>
  <EndDate>2007-04-01</EndDate>
  <Description>Spring Term 2007</Description>
  <TermCode>SPR</TermCode>
  <TermsPerYear>3</TermsPerYear>
  <MarkingTerm>Yes</MarkingTerm>
  <SchedulingTerm>Yes</SchedulingTerm>
  <AttendanceTerm>Yes</AttendanceTerm>
</TermInfo>
```

Example 3.3.36-1: TermInfo

3.3.37 TTRoom

A room (or learning space) used on the timetable. This may or may not be a "real" room stored in the MIS yet.

SIF_Events are reported for this object.

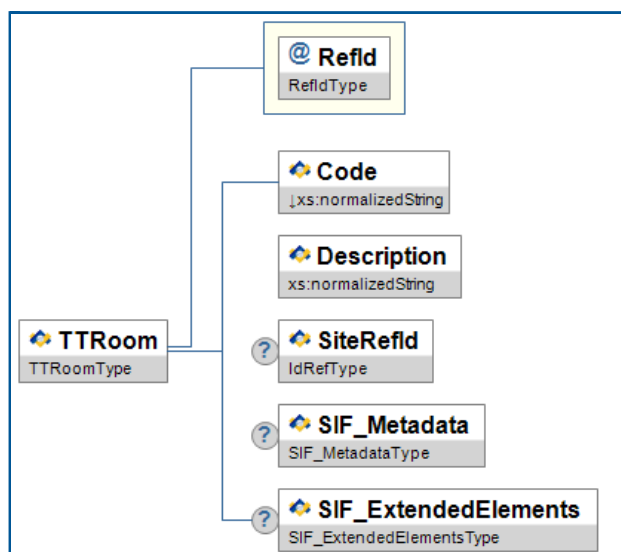


Figure 3.3.37-1: TTRoom

Element/@Attribute	Char	Description	Type
TTRoom		A room (or learning space) used on the timetable. This may or may not be a "real" room stored in the MIS yet.	
@ RefId	M		RefIdType
Code	M	Unique Code local to TT-Software (short name)	xs:normalizedString xs:maxLength 5
Description	M	This is the description of the room (long name) It is used by the MIS to help the user manually match to a room in the MIS (or decide on some other appropriate action). The recommended maximum length of the string is 32 characters.	xs:normalizedString
SiteRefId	O	Which "site" this room is on. It may also be used by the MIS. References the TTSite object.	IdRefType
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.37-1: TTRoom

```
<TTRoom RefId="6C34DC09334789A317B265CE01765744">
  <Code>12</Code>
  <Description>Room 12</Description>
</TTRoom>
```

Example 3.3.37-1: TTRoom - 1

```
<TTRoom RefId="6C34DC09334789A317B265CE01765744">
  <Code>Lab3</Code>
  <Description>3rd Lab</Description>
  <SiteRefId>ABC0000000000123400000000000031</SiteRefId>
</TTRoom>
```

Example 3.3.37-2: TTRoom - 2

3.3.38 TTSite

A site used on the timetable. This may or may not be a “real” site stored in the MIS yet.

SIF_Events are reported for this object.

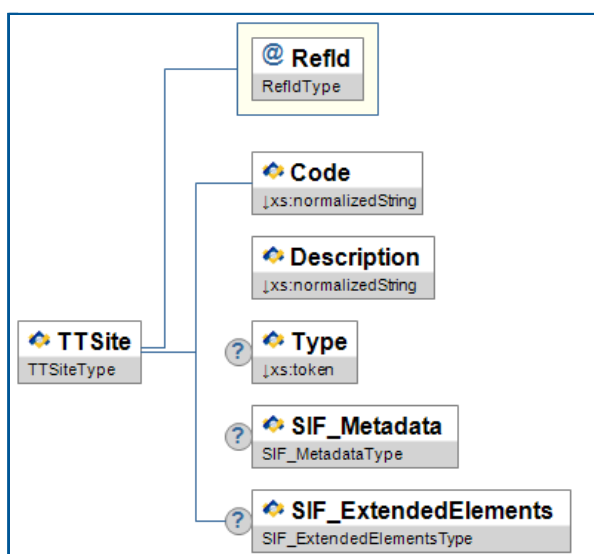


Figure 3.3.38-1: TTSite

Element/@Attribute	Char	Description	Type
TTSite		A site used on the timetable. This may or may not be a “real” site stored in the MIS yet.	
@RefId	M	Unique GUID for this Site	RefIdType
Code	M	Unique Code local to TT-Software	xs:normalizedString xs:maxLength 5
Description	M	This is the description of the site. It is used by the MIS to help the user manually match to a site in the MIS (or decide on some other appropriate action).	xs:normalizedString xs:maxLength 10
Type	O	What "type" of site this is. It is used by the MIS to help with any manual matching.	values: S a site on your school V virtual (ie: not a physical site) E an external site (eg: another school in a federation, or a local business)
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.38-1: TTSite

```
<TTSite RefId="AF57DC09701928365AA0176890234654">
  <Code>1</Code>
  <Description>Upper Sch</Description>
</TTSite>
```

Example 3.3.38-1: TTSite

3.3.39 TTSubject

A subject used on the timetable. This may or may not be a subject stored in the MIS yet.

SIF_Events are reported for this object.

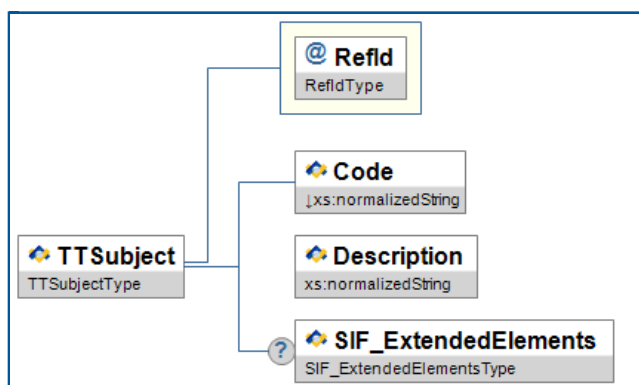


Figure 3.3.39-1: TTSubject

Element/@Attribute	Char	Description	Type
TTSubject		A subject used on the timetable. This may or may not be a subject stored in the MIS yet.	
@ RefId 	M		RefIdType
Code	M	Unique Code local to TT-Software (could be Teacher Initials, Staff Code, etc)	xs:normalizedString xs:maxLength 6
Description	M	This is the description of the subject (long name). The recommended maximum length of the string is 32 characters.	xs:normalizedString SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.39-1: TTSubject

```
<TTSubject RefId="A034DC09334789A317B265CE01765744">
  <Code>MAT</Code>
  <Description>Maths</Description>
</TTSubject>
```

Example 3.3.39-1: TTSubject - 1

```
<TTSubject RefId="A034DC09334789A317B445CE01765701">
  <Code>CLA</Code>
  <Description>Classical Stud</Description>
</TTSubject>
```

Example 3.3.39-2: TTSubject - 2

3.3.40 TTTeacher

A teacher (or teaching post) used on the timetable. This may or may not be a "real" teacher stored in the MIS yet.

SIF_Events are reported for this object.

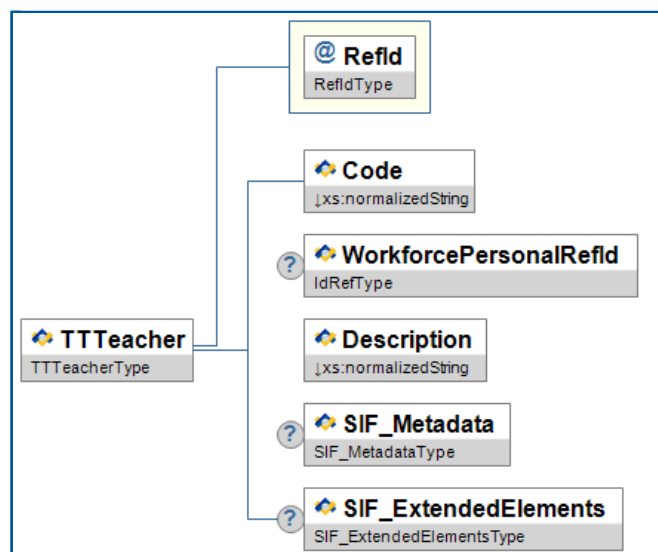


Figure 3.3.40-1: TTTeacher

Element/@Attribute	Char	Description	Type
TTTeacher		A teacher (or teaching post) used on the timetable. This may or may not be a "real" teacher stored in the MIS yet.	
@RefId	M	Unique GUID for this Timetable Teacher	RefIdType
Code	M	Unique Code local to TT-Software (could be Teacher Initials, Staff Code, etc)	xs:normalizedString xs:maxLength 6
WorkforcePersonalRefId	O	If this teacher is known to the MIS, this is the "WorkforcePersonalId"	IdRefType
Description	M	This is the description of the teacher (or "post", etc). It may be a name "John Smith" or it may just be a description such as "New Maths Teacher". If WorkforcePersonalId is not supplied, this Description is used by the MIS to help the user manually match to a teacher in the MIS (or decide on some other appropriate action).	xs:normalizedString xs:maxLength 24
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.40-1: TTTeacher

```

<TTTeacher RefId="AEECD89932678725A317B265CE015455">
  <Code>CJo</Code>
  <WorkforcePersonalRefId>AB34DC0932678725A317B265CE015455</WorkforcePersonalRefId>
  <Description>Chris Johnson</Description>
</TTTeacher>

```

Example 3.3.40-1: TTTeacher - 1

```

<TTTeacher RefId="874CD89932678725A317B265CE015455">
  <Code>MAT</Code>
  <Description>New Maths Teacher</Description>
</TTTeacher>

```

Example 3.3.40-2: TTTeacher - 2

3.3.41 WorkforceAbsence

Details the absence of a Workforce person for a duration and reason. If the reason is sickness then additional detail can be provided in line with typical HR requirements. If the absence only relates to a specific assignment, e.g. an individual who is a kitchen assistant and midday supervisor takes the morning off only then this association can be made.

SIF_Events are reported for this object.

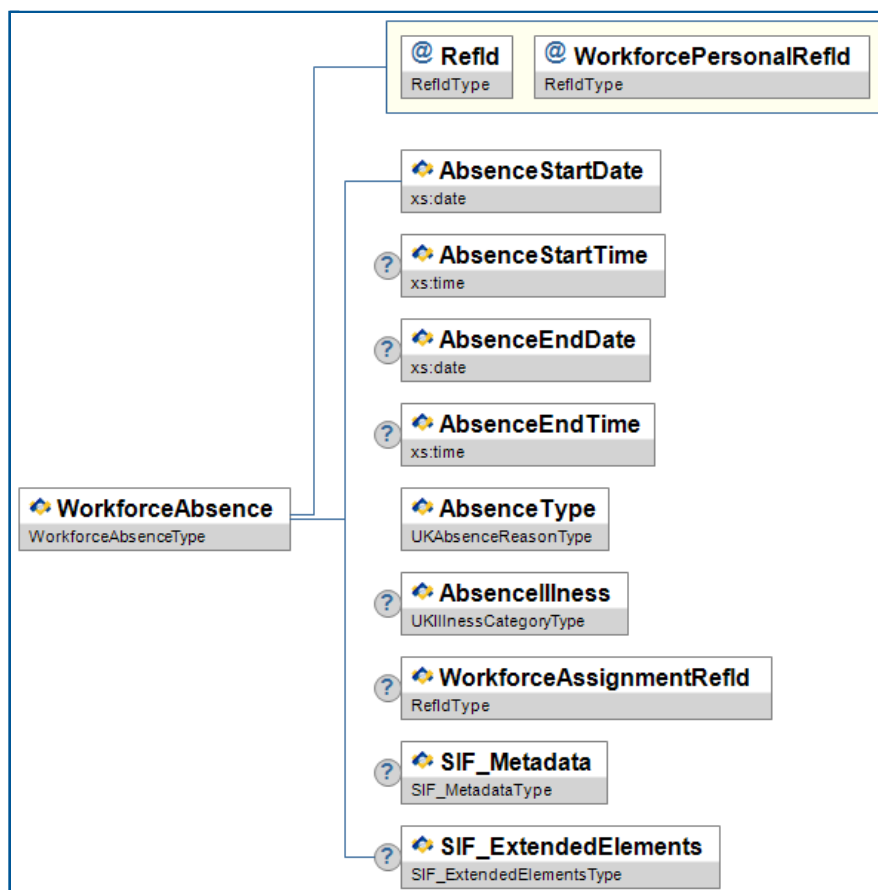


Figure 3.3.41-1: WorkforceAbsence

	Element/@Attribute	Char	Description	Type
	WorkforceAbsence		Details the absence of a Workforce person for a duration and reason. If the reason is sickness then additional detail can be provided in line with typical HR requirements. If the absence only relates to a specific assignment, e.g. an individual who is a kitchen assistant and midday supervisor takes the morning off only then this association can be made.	
@	RefId	M	The ID (GUID) of the WorkforceAbsence object.	RefIdType
@	WorkforcePersonalRefId	M	RefId of WorkforcePersonal object this applies to.	RefIdType
	AbsenceStartDate	M	Date this absence started.	xs:date
	AbsenceStartTime	O	Time on AbsenceStartDate that this absence started, assumed midnight if not included.	xs:time
	AbsenceEndDate	O	Date this absence ended, if omitted it is assumed that the absence is ongoing.	xs:date
	AbsenceEndTime	O	Time on AbsenceEndDate that this absence ended, assumed midnight if not included.	xs:time
	AbsenceType	M	Type of absence.	UKAbsenceReasonType
	AbsenceIllness	O	Specific illness if AbsenceType is Sickness.	UKIllnessCategoryType
	WorkforceAssignmentRefId	O	For use if this absence relates to a specific WorkforceAssignment.	RefIdType
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.41-1: WorkforceAbsence

```

<WorkforceAbsence RefId="39CF208CCA0E4DFB9D19890CB867CB0A" WorkforcePersonalRefId="975C5252201A41D39F8CF584C01B5E">
  <AbsenceStartDate>2009-02-18</AbsenceStartDate>
  <AbsenceStartTime>11:30:00</AbsenceStartTime>
  <AbsenceEndDate>2009-02-19</AbsenceEndDate>
  <AbsenceEndTime>13:30:00</AbsenceEndTime>
  <AbsenceType>SICK</AbsenceType>
  <AbsenceIllness>VIRC</AbsenceIllness>
  <WorkforceAssignmentRefId>1F7E0EFC1BE47648FAFCEE2A2DA003</WorkforceAssignmentRefId>
</WorkforceAbsence>

```

Example 3.3.41-1: WorkforceAbsence

3.3.42 WorkforceAssignment

A more detailed, temporal and referenced view of the posts a person holds compared to the WorkforcePersonal CurrentAssignmentList element. Based around the US SIF 2.4 EmployeeAssignment object.

SIF_Events are reported for this object.

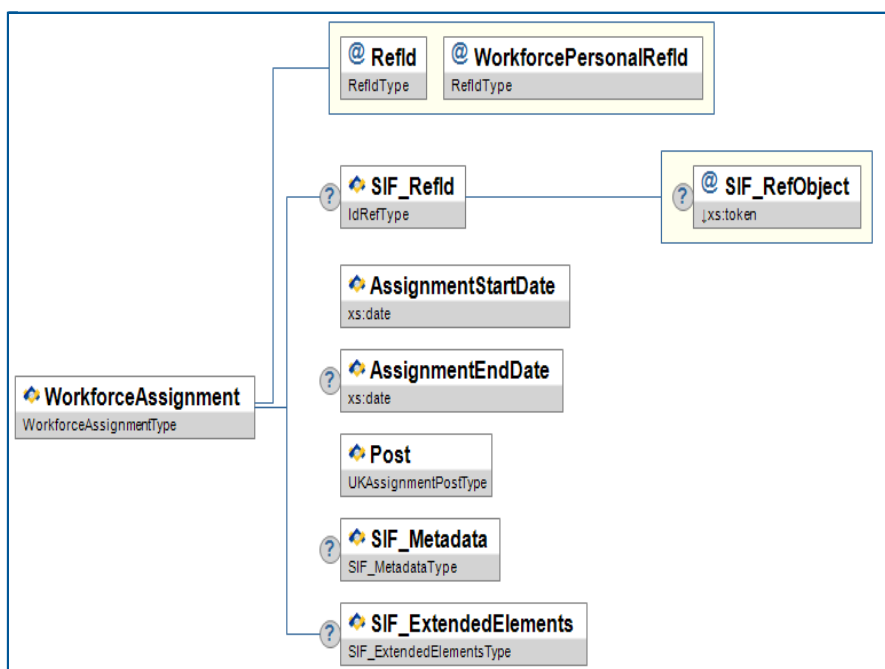


Figure 3.3.42-1: WorkforceAssignment

Element/@Attribute	Char	Description	Type
WorkforceAssignment		A more detailed, temporal and referenced view of the posts a person holds compared to the WorkforcePersonal CurrentAssignmentList element. Based around the US SIF 2.4 EmployeeAssignment object.	
@ KeyRefId	M	The ID (GUID) of the WorkforceAssignment object.	RefIdType
@WorkforcePersonalRefId	M	RefId of WorkforcePersonal object this applies to.	RefIdType
SIF_RefId	O	The SIF RefId of a SchoolInfo or LAInfo object.	IdRefType
@SIF_RefObject	O	The type of SIF object that the SIF_RefId attribute identifies.	values: SchoolInfo LAInfo
AssignmentStartDate	M	The date this assignment commenced.	xs:date
AssignmentEndDate	O	The date this assignment ends.	xs:date
Post	M	The post held under this particular assignment	UKAssignmentPostType
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.42-1: WorkforceAssignment

```

<WorkforceAssignment RefId="1F7E0EFC1BE47648FAFCEE2A2DA003" WorkforcePersonalRefId="975C5252201A41D39FBF8CF584C01B5E">
  <SIF_RefId SIF_RefObject="SchoolInfo">8456D39051CC755293A4A4763088F3D3</SIF_RefId>
  <AssignmentStartDate>2008-09-01</AssignmentStartDate>
  <AssignmentEndDate>2009-08-31</AssignmentEndDate>
  <Post>MIDS</Post>
</WorkforceAssignment>
  
```

Example 3.3.42-1: WorkforceAssignment

3.3.43 WorkforceContract

Extends the details specified in a WorkforceAssignment to include details of contracts governing WorkforceAssignments. This is a stub only at the moment and may be expanded in the future to contain additional contract details such as remuneration. Based around the US SIF 2.4 EmployeeContract object.

SIF_Events are reported for this object.

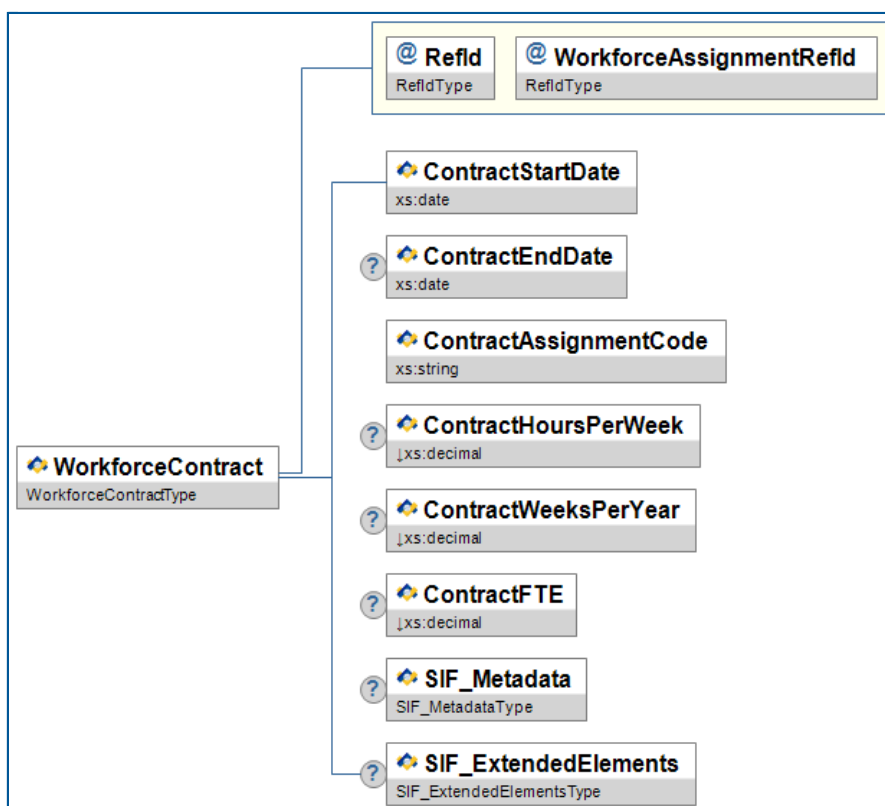


Figure 3.3.43-1: WorkforceContract

Element/@Attribute	Char	Description	Type
WorkforceContract		Extends the details specified in a WorkforceAssignment to include details of contracts governing WorkforceAssignments. This is a stub only at the moment and may be expanded in the future to contain additional contract details such as remuneration. Based around the US SIF 2.4 EmployeeContract object.	
@ RefId	M	The ID (GUID) of the WorkforceContract object.	RefIdType
@ WorkforceAssignmentRefId	M	RefId of WorkforceAssignment object this applies to.	RefIdType
ContractStartDate	M	Date this contract becomes effective.	xs:date
ContractEndDate	O	Date this contract ceases effect.	xs:date
ContractAssignmentCode	M	Reference identifying this contract and assignment.	xs:string
ContractHoursPerWeek	O	Employed hours per week on this contract.	xs:decimal xs:minInclusive 0 xs:maxInclusive 168 xs:fractionDigits 2
ContractWeeksPerYear	O	Employed weeks per year on this contract.	xs:decimal xs:minInclusive 0 xs:maxInclusive 52.2857 xs:fractionDigits 4
ContractFTE	O	Full-time job equivalent ratio for this assignment. (Format is x.xx; an employee who is full-time and who spends 50% of their time on this assignment would be represented as 0.50).	xs:decimal xs:minInclusive 0 xs:maxInclusive 1 xs:fractionDigits 2
SIF_Metadata	O		SIF_Metadata
SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.43-1: WorkforceContract

```

<WorkforceContract RefId="23D202A726F541A6A0E30C2A21E4142A" WorkforceAssignmentRefId="1F7E0BFCD1BE47648FAFCEEF2A2DA003">
  <ContractStartDate>2008-09-01</ContractStartDate>
  <ContractEndDate>2009-08-31</ContractEndDate>
  <ContractAssignmentCode>PAYRL-7412281</ContractAssignmentCode>
  <ContractHoursPerWeek>10</ContractHoursPerWeek>
  <ContractWeeksPerYear>38</ContractWeeksPerYear>
  <ContractFTE>0.27</ContractFTE>
</WorkforceContract>

```

Example 3.3.43-1: WorkforceAssignment

3.3.44 WorkforcePersonal

This object contains key personal information relating to a workforce member, who might be a teacher or other employee of the school or LA. Compare with US/Canada objects: `EmployeePersonal` and `StaffPersonal`.

SIF_Events are reported for this object.

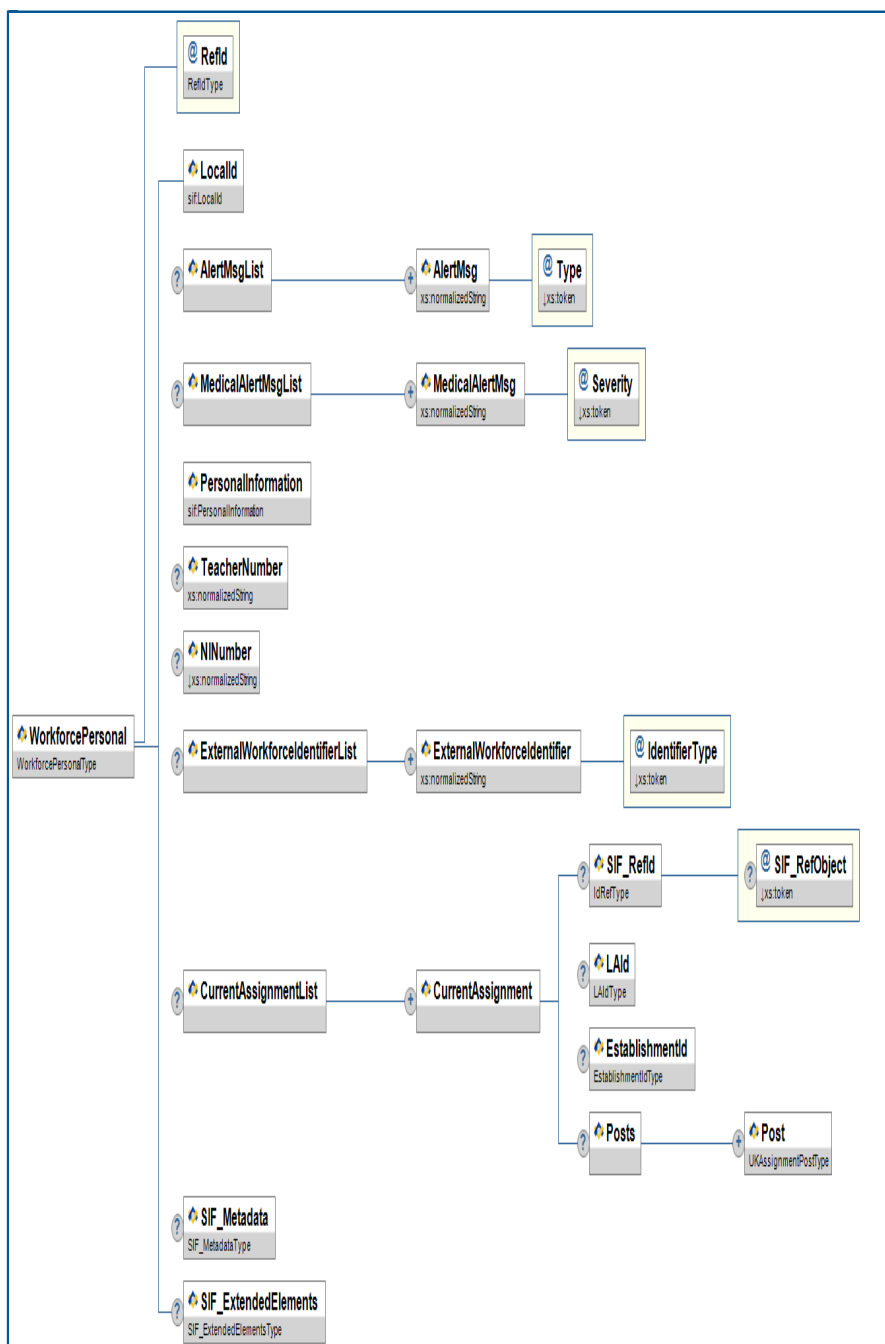


Figure 3.3.44-1: WorkforcePersonal

Element/@Attribute	Char	Description	Type
--------------------	------	-------------	------

	Element/@Attribute	Char	Description	Type
	Element/@Attribute	Char	Description	Type
	WorkforcePersonal		This object contains key personal information relating to a workforce member, who might be a teacher or other employee of the school or LA. Compare with US/Canada objects: <i>EmployeePersonal</i> and <i>StaffPersonal</i> .	
@	RefId	M	The ID (GUID) of the workforce member. Note that the same GUID may be assigned to this person when they are also a learner (via <i>LearnerPersonal</i>) and/or a contact (via <i>ContactPersonal</i>).	RefIdType
	LocalId	M	The locally-assigned identifier for this workforce member.	LocalId
	AlertMsgList	O		List
	AlertMsgList/AlertMsg	MR	This is an alert message that is associated with the person.	xs:normalizedString
@	Type	M	This attribute specifies what type of alert message this is.	values: Legal Discipline Educational Other
	MedicalAlertMsgList	O		List
	MedicalAlertMsgList/MedicalAlertMsg	MR	Medical alert associated with the person.	xs:normalizedString
@	Severity	M	The level of severity of this medical alert.	values: Low Moderate High Severe Unknown
	PersonalInformation	M	Personal name, demographic, address, email, and phone information for this person.	PersonalInformation
	TeacherNumber	O	The DfES Teacher Reference number. For those who have one this is a unique number.	xs:normalizedString
	NINumber	O	National Insurance Number. Do not specify temporary numbers. Format: AAnnnnnnA	xs:normalizedString xs:pattern [A-Z]{2}[0-9]{6}[A-Z]
	ExternalWorkforceIdentifierList	O	A list of one or more external values currently associated with an employee which are specific to only a person of type Workforce, for which no other Identity element in WorkforcePersonal can accommodate. (i.e., one would not put TeacherNumber here)	List
	ExternalWorkforceIdentifierList/ExternalWorkforceIdentifier	MR	An external identifier as described by the IdentifierType attribute.	xs:normalizedString
@	IdentifierType	M	A code that defines the type of identifier.	values: PayrollNo A Payroll number associated with the person. Other
	CurrentAssignmentList	O	A list of assignments associated with a workforce member, including school and role. This list serves as a quick lookup for information relating to a workforce member's postings or assignments to an LA, School, or other establishment. An agent will operate more efficiently if the data represented here is sufficient. Otherwise, it will be necessary for the agent to also request the WorkforceAssignment object(s).	List
	CurrentAssignmentList/CurrentAssignment	MR	A workforce member's assignment.	
	CurrentAssignmentList/CurrentAssignment/SIF_RefId	O	The SIF RefId of a <i>SchoolInfo</i> or <i>LAInfo</i> object.	IdRefType
@	SIF_RefObject	O	The type of SIF object that the <i>SIF_RefId</i> attribute identifies.	values: SchoolInfo LAInfo
	CurrentAssignmentList/CurrentAssignment/LAId	O	The DfES assigned number for the LA in which the workforce member is working, if associated.	LAId
	CurrentAssignmentList/CurrentAssignment/EstablishmentId	O	The DfES assigned number for the school or establishment in which the workforce member is working. Note that the school may not necessarily be in the same LA listed as the LAId.	EstablishmentId
	CurrentAssignmentList/CurrentAssignment/Posts	O	A list of posts that are applicable to the workforce member's association with this school or LA.	List
	CurrentAssignmentList/CurrentAssignment/Posts/Post	MR	The post assigned to the workforce member in the context of the school or LA.	UKAssignmentPostType
	SIF_Metadata	O		SIF_Metadata
	SIF_ExtendedElements	O		SIF_ExtendedElements

Table 3.3.44-1: WorkforcePersonal

```

<WorkforcePersonal RefId="A8C3D5EE44B359D7510100AA001B7B89">
  <LocalId>593117</LocalId>
  <PersonalInformation>
    <Name Type="B">
      <FamilyName>Thaxton</FamilyName>
      <GivenName>Joy</GivenName>
      <PreferredFamilyName>Thaxton</PreferredFamilyName>
      <PreferredGivenName>Joy</PreferredGivenName>
    </Name>
    <Demographics>
      <EthnicityList>
        <Ethnicity>
          <Code>WENG</Code>
          <Source>O</Source>
        </Ethnicity>
      </EthnicityList>
      <Gender>F</Gender>
      <BirthDate>1974-09-12</BirthDate>
      <LanguageList>
        <Language>
          <Code>ENG</Code>
          <TypeList>
            <Type>F</Type>
          </TypeList>
        </Language>
      </LanguageList>
    </Demographics>
    <Email Type="School">joy.thaxton@myschool.sch.uk</Email>
    <Address Type="Current">
      <PAON>
        <StartNumber>94</StartNumber>
      </PAON>
      <Street>Middleton Way</Street>
      <Town>Erdington</Town>
      <AdministrativeArea>Birmingham</AdministrativeArea>
      <PostCode>B21 4SY</PostCode>
      <Country>GBR</Country>
    </Address>
  </PersonalInformation>
  <TeacherNumber>U002738664</TeacherNumber>
  <NINumber>CF344902B</NINumber>
  <CurrentAssignmentList>
    <CurrentAssignment>
      <LAId>330</LAId>
      <EstablishmentId>4033</EstablishmentId>
      <Posts>
        <Post>MUSS</Post>
      </Posts>
    </CurrentAssignment>
  </CurrentAssignmentList>
</WorkforcePersonal>

```

Example 3.3.44-1: WorkforcePersonal

Appendix A: Common Types

Common and supporting types referenced in this specification are included here as a reference.

A.1 AbstractContentElementType

AbstractContentPackageType used as an element rather than an object, omitting **RefId**, **SIF_Metadata** and **SIF_ExtendedElements**.

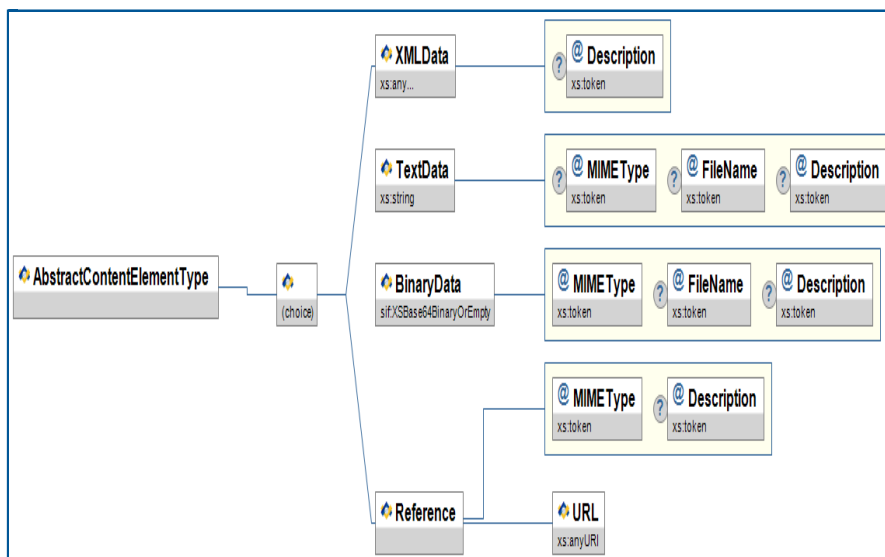


Figure A.1-1: AbstractContentElementType

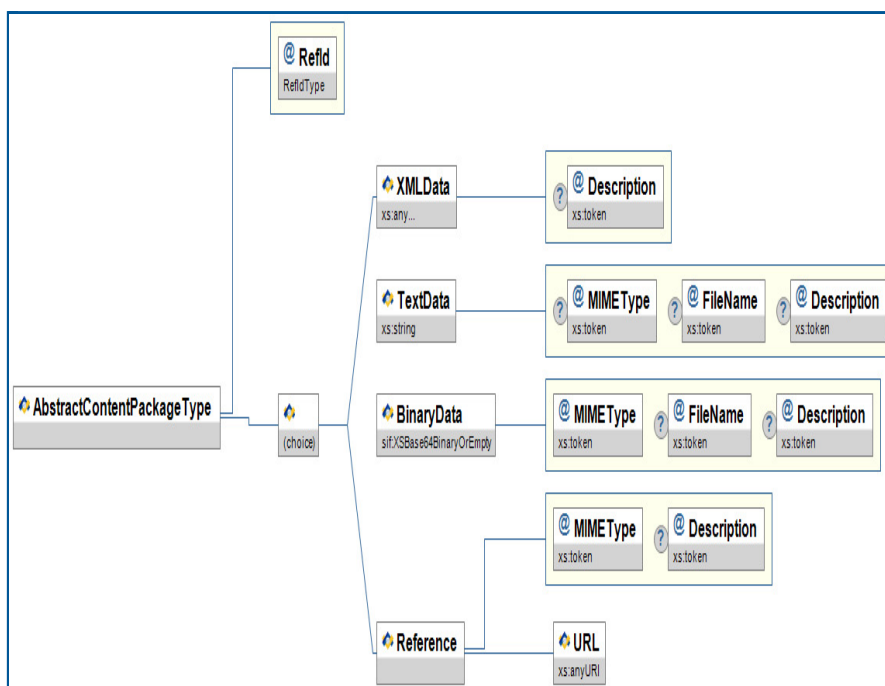
Element/@Attribute	Char	Description	Type
AbstractContentElementType		AbstractContentPackageType used as an element rather than an object, omitting RefId , SIF_Metadata and SIF_ExtendedElements .	
XMLData	C	Contains an arbitrary XML element, encoded in UTF-8.	<xs:any processContents="lax" />
@Description	O	Contains an optional description of the content or a processing hint with regard to its structure (e.g. named standard, file layout or XSD). Contents may be mandated in instances of this type, or types that follow the AbstractContentPackageType pattern.	xs:token
TextData	C	Contains arbitrary text, encoded in UTF-8.	xs:string
@MimeType	O	Optional MIME type to specifically indicate the text type. Otherwise <code>text/plain</code> can be assumed.	xs:token
@FileName	O	Optional file name to indicate the file from which the content originated, or to suggest a name to use when saving the content.	xs:token
@Description	O	Contains an optional description of the content or a processing hint with regard to its structure (e.g. named standard, file layout or XSD). Contents may be mandated in instances of this type, or types that follow the AbstractContentPackageType pattern.	xs:token
BinaryData	C	Contains the base64Binary encoding of binary or text data not encoded in UTF-8.	xs:base64Binary

Element/@Attribute	Char	Description	Type
@ MIMETYPE	M	MIME type to indicate the content type.	xs:token
@ FileName	O	Optional file name to indicate the file from which the content originated, or to suggest a name to use when saving the content.	xs:token
@ Description	O	Contains an optional description of the content or a processing hint with regard to its structure (e.g. named standard, file layout or XSD). Contents may be mandated in instances of this type, or types that follow the <i>AbstractContentPackageType</i> pattern.	xs:token
Reference	C	References external content via a URL.	
@ MIMETYPE	M	MIME type to indicate the content type to be expected when retrieving the external content.	xs:token
@ Description	O	Contains an optional description of the content or a processing hint with regard to its structure (e.g. named standard, file layout or XSD). Contents may be mandated in instances of this type, or types that follow the <i>AbstractContentPackageType</i> pattern.	xs:token
Reference/URL	M	Location of external content.	xs:anyURI

Table A.1-1: *AbstractContentElementType*

A.2 AbstractContentPackageType

An abstract type for derived content package types, elements and objects. This structure may be used verbatim, optionally extending with additional attributes, or may be redefined to include only a subset of child elements and/or to add validation to XML contained in *XMLData*. Only one instance of *XMLData*, *TextData*, *BinaryData* or *Reference* can occur in a single instance.

Figure A.2-1: *AbstractContentPackageType*

Element/@Attribute	Char	Description	Type
--------------------	------	-------------	------

Element/@Attribute	Char	Description	Type
Element/@Attribute	Char	Description	Type
AbstractContentPackageType		An abstract type for derived content package types, elements and objects. This structure may be used verbatim, optionally extending with additional attributes, or may be redefined to include only a subset of child elements and/or to add validation to XML contained in <code>XMLData</code> . Only one instance of <code>XMLData</code> , <code>TextData</code> , <code>BinaryData</code> or <code>Reference</code> can occur in a single instance.	
@ RefId 	M	The GUID that uniquely identifies an instance of the package.	RefIdType
XMLData	C	Contains an arbitrary XML element, encoded in UTF-8.	<xs:any processContents="lax" />
@ Description	O	Contains an optional description of the content or a processing hint with regard to its structure (e.g. named standard, file layout or XSD). Contents may be mandated in instances of this type, or types that follow the <code>AbstractContentPackageType</code> pattern.	xs:token
TextData	C	Contains arbitrary text, encoded in UTF-8.	xs:string
@ MIMETYPE	O	Optional MIME type to specifically indicate the text type. Otherwise <code>text/plain</code> can be assumed.	xs:token
@ FileName	O	Optional file name to indicate the file from which the content originated, or to suggest a name to use when saving the content.	xs:token
@ Description	O	Contains an optional description of the content or a processing hint with regard to its structure (e.g. named standard, file layout or XSD). Contents may be mandated in instances of this type, or types that follow the <code>AbstractContentPackageType</code> pattern.	xs:token
BinaryData	C	Contains the base64Binary encoding of binary or text data not encoded in UTF-8.	xs:base64Binary
@ MIMETYPE	M	MIME type to indicate the content type.	xs:token
@ FileName	O	Optional file name to indicate the file from which the content originated, or to suggest a name to use when saving the content.	xs:token
@ Description	O	Contains an optional description of the content or a processing hint with regard to its structure (e.g. named standard, file layout or XSD). Contents may be mandated in instances of this type, or types that follow the <code>AbstractContentPackageType</code> pattern.	xs:token
Reference	C	References external content via a URL.	
@ MIMETYPE	M	MIME type to indicate the content type to be expected when retrieving the external content.	xs:token
@ Description	O	Contains an optional description of the content or a processing hint with regard to its structure (e.g. named standard, file layout or XSD). Contents may be mandated in instances of this type, or types that follow the <code>AbstractContentPackageType</code> pattern.	xs:token

Element/@Attribute	Char	Description	Type
Reference/URL	M	Location of external content.	xs:anyURI

Table A.2-1: AbstractContentType

A.3 DefinedProtocolsType

The transport protocols defined in SIF.

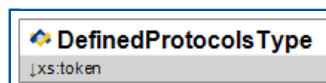


Figure A.3-1: DefinedProtocolsType

Element/@Attribute	Char	Description	Type
DefinedProtocolsType		The transport protocols defined in SIF.	values: HTTPS HTTP

Table A.3-1: DefinedProtocolsType

A.4 ExtendedContentType

Allows for any mixed XML in an element.

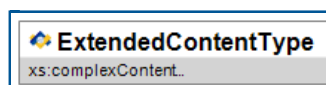


Figure A.4-1: ExtendedContentType

Element/@Attribute	Char	Description	Type
ExtendedContentType		Allows for any mixed XML in an element.	<pre><xs:complexContent mixed="true"> <xs:restriction base="xs:anyType"> <xs:sequence> <xs:any processContents="lax" minOccurs="0" maxOccurs="unbounded" /> </xs:sequence> </xs:restriction> </xs:complexContent></pre>

Table A.4-1: ExtendedContentType

A.5 GUIDType

SIF format for a GUID.



Figure A.5-1: GUIDType

Element/@Attribute	Char	Description	Type
GUIDType		SIF format for a GUID.	xs:token xs:pattern [0-9A-F]{32}

Table A.5-1: GUIDType

A.6 IdRefType

A reference to a RefId.



Figure A.6-1: IdRefType

Element/@Attribute	Char	Description	Type
IdRefType		A reference to a RefId.	RefIdType

Table A.6-1: IdRefType

A.7 MonetaryAmountType

A monetary amount.

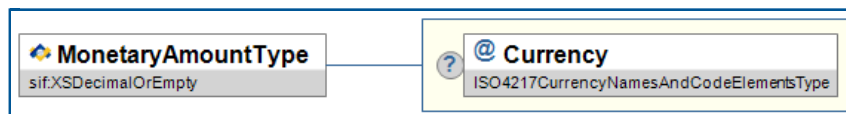


Figure A.7-1: MonetaryAmountType

Element/@Attribute	Char	Description	Type
MonetaryAmountType		A monetary amount.	xs:decimal
@ Currency	O	Currency code. Where omitted, defaults to implementation-defined local currency, typically <code>USD</code> in the United States.	ISO4217CurrencyNamesAndCodeElementsType

Table A.7-1: MonetaryAmountType

A.8 MsgIdType

A message identifier.



Figure A.8-1: MsgIdType

Element/@Attribute	Char	Description	Type
MsgIdType		A message identifier.	GUIDType

Table A.8-1: MsgIdType

A.9 ObjectNameType

An unenumerated SIF object name.



Figure A.9-1: ObjectNameType

Element/@Attribute	Char	Description	Type
ObjectNameType		An unenumerated SIF object name.	xs:NCName xs:maxLength 64

Table A.9-1: ObjectNameType

A.10 ObjectType

A SIF XML object.

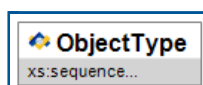


Figure A.10-1: ObjectType

Element/@Attribute	Char	Description	Type
ObjectType		A SIF XML object.	<pre><xs:sequence> <xs:any processContents="lax" minOccurs="0" maxOccurs="unbounded" namespace="##any" /> </xs:sequence></pre>

Table A.10-1: ObjectType

A.11 ONSParishCouncilNameType

This type represents the set of values for the ONS Parish Council Name code set. The set of values is not included in the SIF Specification but may be found externally in order to validate values of this type.



Figure A.11-1: ONSParishCouncilNameType

Element/@Attribute	Char	Description	Type
ONSParishCouncilNameType		This type represents the set of values for the ONS Parish Council Name code set. The set of values is not included in the SIF Specification but may be found externally in order to validate values of this type.	xs:token

Table A.11-1: ONSParishCouncilNameType

A.12 ONSParliamentaryConstituencyCodeType

This type represents the set of values for the Parliamentary Constituency Code code set. The set of values is not included in the SIF Specification but may be found externally in order to validate values of this type.

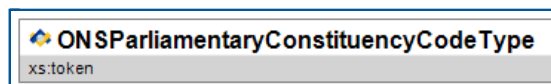


Figure A.12-1: ONSParliamentaryConstituencyCodeType

Element/@Attribute	Char	Description	Type
ONSParliamentaryConstituencyCodeType		This type represents the set of values for the Parliamentary Constituency Code code set. The set of values is not included in the SIF Specification but may be found externally in order to validate values of this type.	xs:token

Table A.12-1: ONSParliamentaryConstituencyCodeType

A.13 ONSParliamentaryConstituencyNameType

This type represents the set of values for the Parliamentary Constituency Name code set. The set of values is not included in the SIF Specification but may be found externally in order to validate values of this type.

Some information concerning these values can be found here:



<http://www.statistics.gov.uk/geography/parishes.asp#ep>



<http://www.ons.gov.uk/about-statistics/geography/products/geog-products-area/names-codes/administrative/index.html>

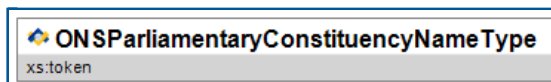


Figure A.13-1: ONSParliamentaryConstituencyNameType

Element/@Attribute	Char	Description	Type
--------------------	------	-------------	------

Element/@Attribute	Char	Description	Type
Element/@Attribute	Char	Description	Type
ONSParliamentaryConstituencyNameType		This type represents the set of values for the Parliamentary Constituency Name code set. The set of values is not included in the SIF Specification but may be found externally in order to validate values of this type. Some information concerning these values can be found here: • http://www.statistics.gov.uk/geography/parishes.asp#ep • http://www.ons.gov.uk/about-statistics/geography/products/geog-products-area/names-codes/administrative/index.html	<i>xs:token</i>

Table A.13-1: ONSParliamentaryConstituencyNameType

A.14 ONSWardCodeType

This type represents the set of values for the ONS Ward Code code set. The set of values is not included in the SIF Specification but may be found externally in order to validate values of this type.

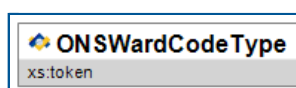


Figure A.14-1: ONSWardCodeType

Element/@Attribute	Char	Description	Type
ONSWardCodeType		This type represents the set of values for the ONS Ward Code code set. The set of values is not included in the SIF Specification but may be found externally in order to validate values of this type.	<i>xs:token</i>

Table A.14-1: ONSWardCodeType

A.15 ONSWardNameType

This type represents the set of values for the Ward Name code set. The set of values is not included in the SIF Specification but may be found externally in order to validate values of this type.

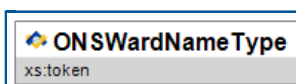


Figure A.15-1: ONSWardNameType

Element/@Attribute	Char	Description	Type
ONSWardNameType		This type represents the set of values for the Ward Name code set. The set of values is not included in the SIF Specification but may be found externally in order to validate values of this type.	<i>xs:token</i>

Table A.15-1: ONSWardNameType

A.16 RefIdType

An object or element identifier.

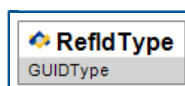


Figure A.16-1: RefIdType

Element/@Attribute	Char	Description	Type
RefIdType		An object or element identifier.	<i>GUIDType</i>

Table A.16-1: RefIdType

A.17 ReportDataObjectType

A SIF XML object.



Figure A.17-1: ReportDataObjectType

Element/@Attribute	Char	Description	Type
ReportDataObjectType		A SIF XML object.	<pre> <xs:sequence> <xs:any processContents="lax" minOccurs="0" maxOccurs="unbounded" /> </xs:sequence> </pre>

Table A.17-1: ReportDataObjectType

A.18 ReportPackageType

This package has exactly the same structure as `AbstractContentPackageType`. `ReportPackage` can be used in addition to SIF objects specifically in reporting situations within `SIF_ReportObject`. At this time, it is not a SIF object. It cannot be requested via `SIF_Query` or `SIF_ExtendedQuery` in a `ReportManifest`. It may be included in `SIF_ReportObject` as part of an external report definition.

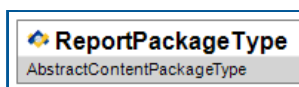


Figure A.18-1: ReportPackageType

Element/@Attribute	Char	Description	Type
ReportPackageType		This package has exactly the same structure as <code>AbstractContentPackageType</code> . <code>ReportPackage</code> can be used in addition to SIF objects specifically in reporting situations within <code>SIF_ReportObject</code> . At this time, it is not a SIF object. It cannot be requested via <code>SIF_Query</code> or <code>SIF_ExtendedQuery</code> in a <code>ReportManifest</code> . It may be included in <code>SIF_ReportObject</code> as part of an external report definition.	<code>AbstractContentPackageType</code>

Table A.18-1: ReportPackageType

A.19 SelectedContentType

Allows an XML fragment selected from an object to be used in an element with XML validation skipped.



Figure A.19-1: SelectedContentType

Element/@Attribute	Char	Description	Type
SelectedContentType		Allows an XML fragment selected from an object to be used in an element with XML validation skipped.	<pre> <xs:complexContent mixed="true"> <xs:restriction base="xs:anyType"> <xs:sequence> <xs:any processContents="skip" minOccurs="0" maxOccurs="unbounded" /> </xs:sequence> </xs:restriction> </xs:complexContent> </pre>

Table A.19-1: SelectedContentType

A.20 ServiceNameType

An unenumerated SIF object name.

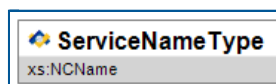


Figure A.20-1: ServiceNameType

Element/@Attribute	Char	Description	Type
ServiceNameType		An unenumerated SIF object name.	<code>xs:NCName</code>

Table A.20-1: ServiceNameType

A.21 TeachernetEthnicityCodeType

This type represents the set of values for the Teachernet Ethnicity Code code set. The set of values is not included in the SIF Specification but may be found externally in order to validate values of this type.

This type represents the set of values for the Teachernet LAId code set. The set of values is not included in the SIF Specification but may be found externally in order to validate values of this type.

Some information concerning these values can be found here:

 <http://www.education.gov.uk/rsgateway/DB/STA/t000455/annexe3.xls>

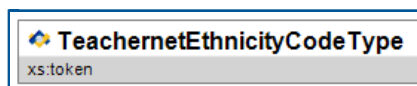


Figure A.21-1: TeachernetEthnicityCodeType

Element/@Attribute	Char	Description	Type
TeachernetEthnicityCodeType		This type represents the set of values for the Teachernet Ethnicity Code code set. The set of values is not included in the SIF Specification but may be found externally in order to validate values of this type. This type represents the set of values for the Teachernet LAId code set. The set of values is not included in the SIF Specification but may be found externally in order to validate values of this type. Some information concerning these values can be found here: http://www.education.gov.uk/rsgateway/DB/STA/t000455/annexe3.xls	xs:token

Table A.21-1: TeachernetEthnicityCodeType

A.22 TeachernetLAIdType

This type represents the set of values for the Teachernet LAId code set. The set of values is not included in the SIF Specification but may be found externally in order to validate values of this type.

Some information concerning these values can be found here:

 England and Wales LA Ids: <http://www.ons.gov.uk/about-statistics/geography/products/geog-products-area/names-codes/other/local-education-authorities.zip>



Figure A.22-1: TeachernetLAIdType

Element/@Attribute	Char	Description	Type
TeachernetLAIdType		This type represents the set of values for the Teachernet LAId code set. The set of values is not included in the SIF Specification but may be found externally in order to validate values of this type. Some information concerning these values can be found here: England and Wales LA Ids: http://www.ons.gov.uk/about-statistics/geography/products/geog-products-area/names-codes/other/local-education-authorities.zip	xs:token

Table A.22-1: TeachernetLAIdType

A.23 URIOrBinaryType

Allows for a URL or a Base-64 encoding.

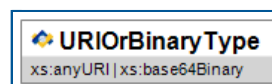


Figure A.23-1: URIOrBinaryType

Element/@Attribute	Char	Description	Type
URIOrBinaryType		Allows for a URL or a Base-64 encoding.	union of: <code>xs:anyURI</code> <code>xs:base64Binary</code>

Table A.23-1: URIOrBinaryType

A.24 VersionType

A SIF version number.



Figure A.24-1: VersionType

Element/@Attribute	Char	Description	Type				
VersionType		A SIF version number.	xs:token <table><tr><td>xs:pattern</td><td>[0-9]+[.][0-9]+(x[0-9]+)?</td></tr><tr><td>xs:maxLength</td><td>12</td></tr></table>	xs:pattern	[0-9]+[.][0-9]+(x[0-9]+)?	xs:maxLength	12
xs:pattern	[0-9]+[.][0-9]+(x[0-9]+)?						
xs:maxLength	12						

Table A.24-1: VersionType

A.25 VersionWithWildcardsType

A SIF version number, with wildcards for matching multiple versions.

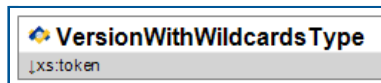


Figure A.25-1: VersionWithWildcardsType

Element/@Attribute	Char	Description	Type				
VersionWithWildcardsType		A SIF version number, with wildcards for matching multiple versions.	xs:token <table><tr><td>xs:pattern</td><td>* ([0-9]+[.]*) ([0-9]+[.][0-9]+x*) ([0-9]+[.][0-9]+ (x[0-9]+) ?)</td></tr><tr><td>xs:maxLength</td><td>12</td></tr></table>	xs:pattern	* ([0-9]+[.]*) ([0-9]+[.][0-9]+x*) ([0-9]+[.][0-9]+ (x[0-9]+) ?)	xs:maxLength	12
xs:pattern	* ([0-9]+[.]*) ([0-9]+[.][0-9]+x*) ([0-9]+[.][0-9]+ (x[0-9]+) ?)						
xs:maxLength	12						

Table A.25-1: VersionWithWildcardsType

Appendix B: Code Sets

Select shared and named code sets defined in SIF are included here for reference.

Infrastructure

Status Code

0	Success (ZIS ONLY). SIF_Status/SIF_Data may contain additional data.
1	Immediate SIF_Ack (AGENT ONLY). Message is persisted or processing is complete. Discard the referenced message.
2	Intermediate SIF_Ack (AGENT ONLY). Only valid in response to SIF_Event delivery. Invokes Selective Message Blocking. The event referenced must still be persisted, and no other events must be delivered, until the agent sends a "Final" SIF_Ack at a later time.
3	Final SIF_Ack (AGENT ONLY). Sent (a SIF_Ack with this value is never returned by an agent in response to a delivered message) by an agent to the ZIS to end Selective Message Blocking. Discard the referenced event and allow for delivery of other events.
7	Already have a message with this SIF_MsgId from you.
8	Receiver is sleeping.
9	No messages available. This is returned when an agent is trying to pull messages from a ZIS and there are no messages available.

Error Category

The following table describes the functional areas where an error may occur in SIF. When a SIF_Error element is returned within a SIF_Ack message, the SIF_Error/SIF_Category element **MUST** contain one of the values from the table.

The next tables present the error codes that must be used when constructing a SIF_Error element. The value of SIF_Error/SIF_Code must come from these lists unless the functional category is *System* where error codes not defined in these tables can be included.

0	Unknown (This should NEVER be used if possible)
1	XML Validation
2	Encryption
3	Authentication
4	Access and Permissions
5	Registration
6	Provision
7	Subscription
8	Request and Response
9	Event Reporting and Processing
10	Transport
11	System (OS, Database, Vendor localized, etc.)
12	Generic Message Handling
13	SMB Handling
14	SIF Zone Service

XML Validation Error

1	Generic error
2	Message is not well-formed
3	Generic validation error
4	Invalid value for element/attribute
6	Missing mandatory element/attribute

Encryption Error

1	Generic error
---	---------------

Authentication Error

1	Generic error
2	Generic authentication error (with signature)
3	Missing sender's certificate
4	Invalid certificate
5	Sender's certificate is not trusted

6	Expired certificate
7	Invalid signature
8	Invalid encryption algorithm (only accepts MD4)
9	Missing public key of the receiver (when decrypting message)
10	Missing receiver's private key (when decrypting message)

Access and Permission Error

1	Generic error
2	No permission to register
3	No permission to provide this object
4	No permission to subscribe to this SIF_Event
5	No permission to request this object
6	No permission to respond to this object request
7	No permission to publish SIF_Event
8	No permission to administer policies
9	SIF_SourceId is not registered
10	No permission to publish SIF_Event Add
11	No permission to publish SIF_Event Change
12	No permission to publish SIF_Event Delete
13	No permission to publish indicated SIF_Notification
14	No permission to invoke SIF_ServiceInput to this Service
15	No permission to provide this Service

Registration Error

1	Generic error
2	The SIF_SourceId is invalid
3	Requested transport protocol is unsupported
4	Requested SIF_Version(s) not supported.
6	Requested SIF_MaxBufferSize is too small
7	ZIS requires a secure transport
9	Agent is registered for push mode (returned when a push-mode agent sends a SIF_GetMessage).
10	ZIS does not support the requested Accept-Encoding value.

Provision Error

1	Generic error
3	Invalid object
4	Object already has a provider (SIF_Provide message)

Subscription Error

1	Generic error
3	Invalid object

Request and Response Error

1	Generic error
3	Invalid object
4	No provider
7	Responder does not support requested SIF_Version
8	Responder does not support requested SIF_MaxBufferSize
9	Unsupported query in request
10	Invalid SIF_RequestMsgId specified in SIF_Response
11	SIF_Response is larger than requested SIF_MaxBufferSize
12	SIF_PacketNumber is invalid in SIF_Response
13	SIF_Response does not match any SIF_Version from SIF_Request
14	SIF_DestinationId does not match SIF_SourceId from SIF_Request
15	No support for SIF_ExtendedQuery

16	SIF_RequestMsgId deleted from cache due to timeout
17	SIF_RequestMsgId deleted from cache by administrator
18	SIF_Request cancelled by requesting agent
19	SIF_Request cancelled due to a SIF XML filter rule

Event Reporting and Processing Error

1	Generic error
3	Invalid event

Transport Error

1	Generic error
2	Requested protocol is not supported
3	Secure channel requested and no secure path exists
4	Unable to establish connection

System Error

1	Generic error
---	---------------

Generic Message Handling Error

1	Generic error
2	Message not supported
3	Version not supported
4	Context not supported
5	Protocol error
6	No such message (as identified by SIF_OriginalMsgId)
7	Multiple contexts not supported

SMB Error

1	Generic error
2	SMB can only be invoked during a SIF_Event acknowledgement
3	Final SIF_Ack expected from Push-Mode Agent
4	Incorrect SIF_MsgId in final SIF_Ack

SIF Zone Service Error

1	Generic error
2	Invalid service
3	No provider for service
4	Responder does not support requested SIF_Version
5	Responder does not support requested SIF_MaxBufferSize
6	Operation not supported
7	Argument not valid
8	Invalid SIF_ServiceMsgId specified in SIF_ServiceOutput
9	SIF_ServiceOutput is larger than requested SIF_MaxBufferSize
10	SIF_PacketNumber is invalid
11	SIF_ServiceOutput does not match any SIF_Version from SIF_ServiceInput
12	SIF_DestinationId does not match SIF_SourceId from SIF_ServiceInput
13	SIF_ServiceMsgId deleted from cache due to timeout
14	SIF_ServiceMsgId deleted from cache by administrator
15	SIF_ServiceInput cancelled by requesting agent
16	ACL permission denied
17	Not a provider for this service
18	Service or Operation failed

SIF_LogEntry

Agent Error Condition

1	An exception has occurred in the agent (generic error)
---	--

Data Issues with Failure Result

1	Insufficient information in message
2	Cannot process change due to business rule
3	Related information unavailable

Data Issues with Success Result

1	Data was changed to complete request successfully
2	Data was added to complete request successfully

Success Category

1	Success
---	---------

ZIS Error Condition

1	An exception has occurred in the ZIS (generic error)
2	Message could not be delivered due to buffer size limitations
3	Message could not be delivered due to minimum security requirements
4	Message could not be delivered due to destination agent not supporting SIF_Version
5	Message could not be delivered due to SIF_Response validation

Teachernet [**Teachernet]****Church of England Diocese**

BAT	Bath and Wells
BIR	Birmingham
BLA	Blackburn
BRA	Bradford
BRI	Bristol
CAN	Canterbury
CAR	Carlisle
CHE	Chelmsford
CHI	Chichester
CHS	Chester
COV	Coventry
DER	Derby
DUR	Durham
ELY	Ely
EXE	Exeter
GLO	Gloucester
GUI	Guildford
HER	Hereford
LEI	Leicester
LIC	Lichfield
LIN	Lincoln
LIV	Liverpool
LON	London
MAN	Manchester
NEW	Newcastle
NOR	Norwich

OXF	Oxford
PET	Peterborough
POR	Portsmouth
RIP	Ripon
ROC	Rochester
SAL	Salisbury
SHE	Sheffield
SOD	Sodor and Man
SOU	Southwark
SOW	Southwell
STA	St Albans
STE	St Edmundsbury and Ipswich
TRU	Truro
WAK	Wakefield
WIN	Winchester
WOR	Worcester
YOR	York

LA Name

ABERDEEN	
ABERDEENSHIRE	
ANGUS	
ARGYLL and BUTE	
AVON (PRE LGR)	
BARKING and DAGENHAM	
BARNET	
BARNSLEY	
BATH and NORTH EAST SOMERSET	
BEDFORD BOROUGH	
BEDFORDSHIRE (PRE 2009 LGR)	
BEDFORDSHIRE (PRE LGR)	
BELFAST EDUCATION AND LIBRARY BOARD	
BERKSHIRE (PRE LGR)	
BEXLEY	
BIRMINGHAM	
BLACKBURN WITH DARWEN	
BLACKPOOL	
BLAENAU GWENT	
BOLTON	
BOURNEMOUTH	
BRACKNELL FOREST	
BRADFORD	
BRENT	
BRIDGEND	
BRIGHTON and HOVE	
BRISTOL	
BROMLEY	
BUCKINGHAMSHIRE	
BUCKINGHAMSHIRE (PRE LGR)	
BURY	
CAERPHILLY	
CALDERDALE	
CAMBRIDGESHIRE	
CAMBRIDGESHIRE (PRE LGR)	
CAMDEN	
CARDIFF	
CARMARTHENSHIRE	
CENTRAL BEDFORDSHIRE	
CEREDIGION	
CHESHIRE (PRE 2009 LGR)	
CHESHIRE (PRE LGR)	
CHESHIRE EAST	
CHESHIRE WEST AND CHESTER	
CITY OF LONDON	
CLACKMANNANSHIRE	

CLEVELAND (PRE LGR)
CONWY
CORNWALL
COVENTRY
CROYDON
CUMBRIA
DARLINGTON
DENBIGHSHIRE
DERBY
DERBYSHIRE
DERBYSHIRE (PRE LGR)
DEVON
DEVON (PRE LGR)
DONCASTER
DORSET
DORSET (PRE LGR)
DUDLEY
DUMFRIES and GALLOWAY
DUNDEE
DURHAM
DURHAM (PRE LGR)
EALING
EAST AYRSHIRE
EAST DUNBARTONSHIRE
EAST LoTHIAN
EAST RENFREWSHIRE
EAST RIDING OF YORKSHIRE
EAST SUSSEX
EAST SUSSEX (PRE LGR)
EDINBURGH
EILEAN SIAR
ENFIELD
ESSEX
ESSEX (PRE LGR)
FALKIRK
FIFE
FLINTSHIRE
For CTF purposes where a school has left the maintained sector
For CTF purposes where the LA is not known
For transfer of TA and P Scales data for NAA via CTF
GATESHEAD
GIBRALTAR
GLASGOW
GLOUCESTERSHIRE
GREENWICH
GUERNSEY
GWYNEDD
HACKNEY
HALTON
HAMMERSMITH and FULHAM
HAMPSHIRE
HAMPSHIRE (PRE LGR)
HARINGEY
HARROW
HARTLEPOOL
HAVERING
HEREFORD AND WORCESTER (PRE LGR)
HEREFORDSHIRE
HERTFORDSHIRE
HIGHLAND
HILLINGDON
HOUNSLOW
HUMBERSIDE (PRE LGR)
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ISLE OF ANGLESEY
ISLE OF MAN
ISLE OF WIGHT
ISLES OF SCILLY
ISLINGTON
JERSEY

KENSINGTON and CHELSEA	
KENT	
KENT (PRE LGR)	
KINGSTON UPON THAMES	
KINGSTON-UPON-HULL	
KIRKLEES	
KNOWSLEY	
LAMBETH	
LANCASHIRE	
LANCASHIRE (PRE LGR)	
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LEICESTER	
LEICESTERSHIRE	
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MERTON	
MIDDLESBROUGH	
MIDLOTHIAN	
MILTON KEYNES	
MONMOUTHSHIRE	
MORAY	
NEATH PORT TALBOT	
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NORTHAMPTONSHIRE	
NORTHUMBERLAND	
NOTTINGHAM	
NOTTINGHAMSHIRE	
NOTTINGHAMSHIRE (PRE LGR)	
OLDHAM	
ORKNEY ISLANDS	
OTHER OVERSEAS SCHOOLS	
OXFORDSHIRE	
PEMBROKESHIRE	
PERTH and KINROSS	
PETERBOROUGH	
PLYMOUTH	
POOLE	
PORTSMOUTH	
POWYS	
READING	
REDBRIDGE	
REDCAR and CLEVELAND	
RENFREWSHIRE	
RHONDDA CYNON TAFF	
RICHMOND UPON THAMES	
ROCHDALE	
ROTHERHAM	
RUTLAND	
SALFORD	
SANDWELL	
SCOTLAND	
SCOTLAND OFFSHORE ESTABLISHMENTS **	

SCOTTISH BORDERS	
SEFTON	
SHEFFIELD	
SHELL SCHOOLS	
SHETLAND ISLANDS	
SHROPSHIRE	
SHROPSHIRE (PRE LGR)	
SLOUGH	
SOLIHULL	
SOMERSET	
SOUTH AYRSHIRE	
SOUTH EASTERN EDUCATION AND LIBRARY BOARD	
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SOUTH TYNESIDE	
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SOUTHWARK	
ST HELENS	
STAFFORDSHIRE	
STAFFORDSHIRE (PRE LGR)	
STIRLING	
STOCKPORT	
STOCKTON-ON-TEES	
STOKE-ON-TRENT	
SUFFOLK	
SUNDERLAND	
SURREY	
SUTTON	
SWANSEA	
SWINDON	
TAMESIDE	
TELFORD and WREKIN	
THE VALE OF GLAMORGAN	
THURROCK	
TORBAY	
TORFAEN	
TOWER HAMLETS	
TRAFFORD	
WAKEFIELD	
WALSALL	
WALTHAM FOREST	
WANDSWORTH	
WARRINGTON	
WARWICKSHIRE	
WEST BERKSHIRE	
WEST DUNBARTONSHIRE	
WEST LOTHIAN	
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WESTMINSTER	
WIGAN	
WILTSHIRE	
WILTSHIRE (PRE LGR)	
WINDSOR and MAIDENHEAD	
WIRRAL	
WOKINGHAM	
WOLVERHAMPTON	
WORCESTERSHIRE	
WREXHAM	
YORK	

Languages

ACL	Acholi
ADA	Adangme
AFA	Afar-Saho

AFK	Afrikaans
AKA	Akan/Twi-Fante
AKAF	Akan (Fante)
AKAT	Akan (Twi/Asante)
ALB	Albanian/Shqip
ALU	Alur
AMR	Amharic
ARA	Arabic
ARAA	Arabic (Any Other)
ARAG	Arabic (Algeria)
ARAI	Arabic (Iraq)
ARAM	Arabic (Morocco)
ARAS	Arabic (Sudan)
ARAY	Arabic (Yemen)
ARM	Armenian
ASM	Assamese
ASR	Assyrian/Aramaic
AYB	Anyi-Baule
AYM	Aymara
AZE	Azeri
BAI	Bamileke (Any)
BAL	Balochi
BEJ	Beja/Bedawi
BEL	Belarusian
BEM	Bemba
BHO	Bhojpuri
BIK	Bikol
BLT	Balti Tibetan
BMA	Burmese/Myanma
BNG	Bengali
BNGA	Bengali (Any Other)
BNGC	Bengali (Chittagong/Noakhali)
BNGS	Bengali (Sylheti)
BSL	British Sign Language
BSQ	Basque/Euskara
BUL	Bulgarian
CAM	Cambodian/Khmer
CAT	Catalan
CCE	Caribbean Creole English
CCF	Caribbean Creole French
CGA	Chaga
CGR	Chattisgarhi/Khatahi
CHE	Chechen
CHI	Chinese
CHIA	Chinese (Any Other)
CHIC	Chinese (Cantonese)
CHIH	Chinese (Hokkien/Fujianese)
CHIK	Chinese (Hakka)
CHIM	Chinese (Mandarin/Putonghua)
CKW	Chokwe
CRN	Cornish
CTR	Chitrali/Khowar
CWA	Chichewa/Nyanja
CYM	Welsh/Cymraeg
CZE	Czech
DAN	Danish
DGA	Dagaare
DGB	Dagbane

DIN	Dinka/Jieng
DUT	Dutch/Flemish
DZO	Dzongkha/Bhutanese
EBI	Ebira
EDO	Edo/Bini
EFI	Efik-Ibibio
ENB	Believed to be English*
ENG	English*
ESA	Esan/Ishan
EST	Estonian
EWE	Ewe
EWO	Ewondo
FAN	Fang
FIJ	Fijian
FIN	Finnish
FON	Fon
FRN	French
FUL	Fula/Fulfulde-Pulaar
GAA	Ga
GAE	Gaelic/Irish
GAL	Gaelic (Scotland)
GEO	Georgian
GER	German
GGO	Gogo/Chigogo
GKY	Kikuyu/Gikuyu
GLG	Galician/Galego
GRE	Greek
GREa	Greek (Any Other)
GREc	Greek (Cyprus)
GRN	Guarani
GUJ	Gujarati
GUN	Gurenne/Frafra
GUR	Gurma
HAU	Hausa
HDK	Hindko
HEB	Hebrew
HER	Herero
HGR	Hungarian
HIN	Hindi
IBA	Iban
IDM	Idoma
IGA	Igala
IGB	Igbo
IJO	Ijo (Any)
ILO	Ilokano
ISK	Itsekiri
ISL	Icelandic
ITA	Italian
ITAA	Italian (Any Other)
ITAN	Italian (Napoletan)
ITAS	Italian (Sicilian)
JAV	Javanese
JIN	Jinghpaw/Kachin
JPN	Japanese
KAM	Kikamba
KAN	Kannada
KAR	Karen (Any)
KAS	Kashmiri

KAU	Kanuri
KAZ	Kazakh
KCH	Katchi
KGZ	Kirghiz/Kyrgyz
KHA	Khasi
KHY	Kihaya/Luziba
KIN	Kinyarwanda
KIR	Kirundi
KIS	Kisi (West Africa)
KLN	Kalenjin
KMB	Kimbundu
KME	Kimeru
KNK	Konkani
KNY	Kinyakyusa-Ngonde
KON	Kikongo
KOR	Korean
KPE	Kpelle
KRI	Krio
KRU	Kru (Any)
KSI	Kisii/Ekegusii (Kenya)
KSU	Kisukuma
KUR	Kurdish
KURA	Kurdish (Any Other)
KURM	Kurdish (Kurmanji)
KURS	Kurdish (Sorani)
LAO	Lao
LBA	Luba
LBAC	Luba (Chiluba/Tshiluba)
LBK	Luba (Kiluba)
LGA	Luganda
LGB	Lugbara
LGS	Lugisu/Lumasaba
LIN	Lingala
LIT	Lithuanian
ING	Lango (Uganda)
LOZ	Lozi/Silosi
LSO	Lusoga
LTV	Latvian
LTZ	Luxemburgish
LUE	Luvale/Luena
LUN	Lunda
LUO	Luo (Kenya/Tanzania)
LUY	Luhya (Any)
MAG	Magahi
MAI	Maithili
MAK	Makua
MAN	Manding/Malinke
MANA	Manding/Malinke (Any Other)
MANB	Bambara
MANJ	Dyula/Jula
MAO	Maori
MAR	Marathi
MAS	Maasai
MDV	Maldivian/Dhivehi
MEN	Mende
MKD	Macedonian
MLG	Malagasy
MLM	Malayalam

MLT	Maltese
MLY	Malay/Indonesian
MLYA	Malay (Any Other)
MLYI	Indonesian/Bahasa Indonesia
MNA	Magindanao-Maranao
MNG	Mongolian (Khalkha)
MNX	Manx Gaelic
MOR	Moore/Mossi
MSC	Mauritian/Seychelles Creole
MUN	Munda (Any)
MYA	Maya (Any)
NAH	Nahuatl/Mexicano
NAM	Nama/Damara
NBN	Nubian (Any)
NDB	Ndebele
NDBS	Ndebele (South Africa)
NDBZ	Ndebele (Zimbabwe)
NEP	Nepali
NOR	Norwegian
NOT	Information not obtained*
NUE	Nuer/Naadh
NUP	Nupe
NWA	Newari
NZM	Nzema
OAM	Ambo/Oshiwambo
OAMK	Ambo (Kwanyama)
OAMN	Ambo (Ndonga)
OGN	Ogoni (Any)
ORI	Oriya
ORM	Oromo
OTB	Believed to be Other than English*
OTH	Other than English*
OTL	Other Language
PAG	Pangasinan
PAM	Pampangan
PAT	Pashto/Pakhto
PHA	Pahari/Himachali (India)
PHR	Pahari (Pakistan)
PNJ	Panjabi
PNJA	Panjabi (Any Other)
PNJG	Panjabi (Gurmukhi)
PNJM	Panjabi (Mirpuri)
PNJP	Panjabi (Pothwari)
POL	Polish
POR	Portuguese
PORA	Portuguese (Any Other)
PORB	Portuguese (Brazil)
PRS	Persian/Farsi
PRSA	Farsi/Persian (Any Other)
PRSD	Dari Persian
PRST	Tajiki Persian
QUE	Quechua
RAJ	Rajasthani/Marwari
REF	Refused*
RME	Romany/English Romanes
RMI	Romani (International)
RMN	Romanian
RMNM	Romanian (Moldova)

RMNR	Romanian (Romania)
RMS	Romansch
RNY	Runyakitara
RNYN	Runyankore-Ruchiga
RNYO	Runyoro-Rutooro
RUS	Russian
SAM	Samoan
SCB	Serbian/Croatian/Bosnian
SCBB	Bosnian
SCBC	Croatian
SCBS	Serbian
SCO	Scots
SHL	Shilluk/Cholo
SHO	Shona
SID	Sidamo
SIO	Sign Language (Other)
SLO	Slovak
SLV	Slovenian
SND	Sindhi
SNG	Sango
SNH	Sinhala
SOM	Somali
SPA	Spanish
SRD	Sardinian
SRK	Siraiki
SSO	Sotho/Sesotho
SSOO	Sotho/Sesotho (Southern)
SSOT	Sotho/Sesotho (Northern)
SSW	Swazi/Siswati
STS	Tswana/Setswana
SUN	Sundanese
SWA	Swahili/Kiswahili
SWAA	Swahili (Any Other)
SWAC	Comorian Swahili
SWAK	Swahili (Kingwana)
SWAM	Swahili (Brava/Mwiini)
SWAT	Swahili (Bajuni/Tikuu)
SWE	Swedish
TAM	Tamil
TEL	Telugu
TEM	Temne
TES	Teso/Ateso
TGE	Tigre
TGL	Tagalog/Filipino
TGLF	Filipino
TGLG	Tagalog
TGR	Tigrinya
THA	Thai
TIB	Tibetan
TIV	Tiv
TMZ	Berber/Tamazight
TMZA	Berber/Tamazight (Any Other)
TMZK	Berber/Tamazight (Kabyle)
TMZT	Berber (Tamashek)
TNG	Tonga/Chitonga (Zambia)
TON	Tongan (Oceania)
TPI	Tok Pisin
TRI	Traveller Irish/Shelta

TSO	Tsonga
TUK	Turkmen
TUL	Tulu
TUM	Tumbuka
TUR	Turkish
UKR	Ukrainian
UMB	Umbundu
URD	Urdu
URH	Urhobo-Isoko
UYG	Uyghur
UZB	Uzbek
VEN	Venda
VIE	Vietnamese
VSZ	Visayan/Bisaya
VSZA	Visayan/Bisaya (Any Other)
VSZH	Hiligaynon
VSYS	Cebuano/Sugbuanon
VSYW	Waray/Binisaya
WAP	Wa-Paraok (South-East Asia)
WCP	West-African Creole Portuguese
WOL	Wolof
WPE	West-African Pidgin English
XHO	Xhosa
YAO	Yao/Chiyao (East Africa)
YDI	Yiddish
YOR	Yoruba
ZND	Zande
ZUL	Zulu
ZZZ	Classification Pending

Learning and Skills Council Area Code

BAL	Bedfordshire and Luton
BDP	Bournemouth, Dorset and Poole
BER	Berkshire
BIS	Birmingham and Solihull
CAM	Cambridgeshire
CDU	County Durham
CHW	Cheshire and Warrington
COW	Coventry and Warwickshire
CUM	Cumbria
DEC	Devon and Cornwall
DER	Derbyshire
ESS	Essex
GLO	Gloucestershire
GMA	Greater Manchester
GME	Greater Merseyside
HER	Hertfordshire
HEW	Herefordshire and Worcestershire
HIW	Hampshire and Isle of Wight
HUM	Humberside
KEM	Kent and Medway
LAN	Lancashire
LEI	Leicestershire
LIR	Lincolnshire and Rutland
LOC	London - Central
LOE	London - East
LON	London - North

LOS	London - South
LOW	London - West
LSC	National LSC (NCS)
MOB	Milton Keynes, Oxfordshire and Buckinghamshire
NOA	Northamptonshire
NOR	Norfolk
NOT	Nottinghamshire
NOU	Northumberland
NOY	North Yorkshire
SHR	Shropshire
SOM	Somerset
SOY	South Yorkshire
STA	Staffordshire
SUF	Suffolk
SUR	Surrey
SUS	Sussex
TBC	The Black Country
TEV	Tees Valley
TYW	Tyne and Wear
WEE	West of England
WEY	West Yorkshire
WIS	Wiltshire and Swindon

Nation States and Countries

ABW	Aruba
AFG	Afghanistan
AFI	French Territory of Afars and Issas
AGO	Angola
AIA	Anguilla
ALA	Aland Islands
ALB	Albania
AND	Andorra
ANT	Netherlands Antilles
ANT	Netherlands Antilles
ARE	United Arab Emirates
ARG	Argentina
ARM	Armenia
ASM	American Samoa
ATA	Antarctica
ATB	British Antarctic Territory
ATF	French Southern Territories
ATG	Antigua and Barbuda
ATN	Dronning Maud Land
AUS	Australia
AUT	Austria
AZE	Azerbaijan
BDI	Burundi
BEL	Belgium
BEN	Benin
BFA	Burkina Faso
BGD	Bangladesh
BGR	Bulgaria
BHR	Bahrain
BHS	Bahamas
BIH	Bosnia and Herzegovina
BLR	Belarus
BLZ	Belize

BMU	Bermuda
BOL	Bolivia
BRA	Brazil
BRB	Barbados
BRN	Brunei
BTN	Bhutan
BUR	Burma
BVT	Bouvet Island
BWA	Botswana
BYS	Byelorussian SSR
CAF	Central African Republic
CAN	Canada
CCK	Cocos (Keeling) Islands
CHE	Switzerland
CHL	Chile
CHN	China
CIV	Ivory Coast
CMR	Cameroon
COD	Congo, Democratic Republic
COG	Congo
COK	Cook Islands
COL	Colombia
COM	Comoros
CPV	Cape Verde
CRI	Costa Rica
CSK	Czechoslovakia
CTE	Canton and Enderbury Islands
CUB	Cuba
CXR	Christmas Island
CYM	Cayman Islands
CYP	Cyprus
CZE	Czech Republic
DDR	German Democratic Republic
DEU	Federal Republic of Germany
DEU	Federal Republic of Germany
DHY	Dahomey
DJI	Djibouti
DMA	Dominica
DNK	Denmark
DOM	Dominican Republic
DZA	Algeria
ECU	Ecuador
EGY	Egypt
ERI	Eritrea
ESH	Spanish Sahara
ESH	Spanish Sahara
ESP	Spain
EST	Estonia
ETH	Ethiopia
ETH	Ethiopia
FIN	Finland
FIN	Finland
FJI	Fiji
FLK	Falkland Islands
FRA	France
PRO	Faroe Islands
FSM	Micronesia
GAB	Gabon

GBR	United Kingdom
GEL	Gilbert and Ellice Islands
GEL	Gilbert and Ellice Islands
GEO	Georgia
GGY	Guernsey
GHA	Ghana
GIB	Gibraltar
GIN	Guinea
GLP	Guadeloupe
GMB	Gambia, The
GNB	Guinea-Bissau
GNQ	Equatorial Guinea
GRC	Greece
GRD	Grenada
GRL	Greenland
GTM	Guatemala
GUF	French Guiana
GUM	Guam
GUY	Guyana
HKG	Hong Kong
HMD	Heard Island and McDonald Islands
HND	Honduras
HRV	Croatia
HTI	Haiti
HUN	Hungary
HVO	Upper Volta
IDN	Indonesia
IMN	Isle of Man
IND	India
IOT	British Indian Ocean Territory
IRL	Ireland
IRN	Iran
IRQ	Iraq
ISL	Iceland
ISR	Israel
ITA	Italy
JAM	Jamaica
JEY	Jersey
JOR	Jordan
JPN	Japan
JTN	Johnston Atoll
KAZ	Kazakhstan
KEN	Kenya
KGZ	Kyrgyzstan
KHM	Cambodia
KHM	Cambodia
KIR	Kiribati
KNA	Saint Kitts and Nevis
KNA	Saint Kitts and Nevis
KOR	Korea, South
KWT	Kuwait
LAO	Laos
LBN	Lebanon
LBR	Liberia
LBY	Libya
LCA	Saint Lucia
LIE	Liechtenstein
LKA	Sri Lanka

LSO	Lesotho
LTU	Lithuania
LUX	Luxembourg
LVA	Latvia
MAC	Macao
MAR	Morocco
MCO	Monaco
MDA	Moldova
MDG	Madagascar
MDV	Maldives
MEX	Mexico
MHL	Marshall Islands
MID	Midway Islands
MKD	Macedonia
MLI	Mali
MLT	Malta
MMR	Myanmar
MNE	Montenegro
MNG	Mongolia
MNP	Northern Mariana Islands
MOZ	Mozambique
MRT	Mauritania
MSR	Montserrat
MTQ	Martinique
MUS	Mauritius
MWI	Malawi
MYS	Malaysia
MYT	Mayotte
NAM	Namibia
NCL	New Caledonia
NER	Niger
NFK	Norfolk Island
NGA	Nigeria
NHB	New Hebrides
NIC	Nicaragua
NIU	Niue
NLD	Netherlands
NOR	Norway
NPL	Nepal
NRU	Nauru
NZL	New Zealand
OMN	Oman
PAK	Pakistan
PAN	Panama
PCI	Trust Territory of the Pacific Islands
PCN	Pitcairn
PCZ	Panama Canal Zone
PER	Peru
PHL	Philippines
PLW	Palau
PNG	Papua New Guinea
POL	Poland
PRI	Puerto Rico
PRK	Korea, North
PRT	Portugal
PRY	Paraguay
PSE	Palestine
PUS	United States Miscellaneous Pacific Islands

PYF	French Polynesia
QAT	Qatar
REU	Reunion
RHO	Southern Rhodesia
ROU	Romania
RUS	Russia
RWA	Rwanda
SAU	Saudi Arabia
SCG	Serbia and Montenegro
SDN	Sudan
SEN	Senegal
SGP	Singapore
SGS	South Georgia
SHN	Saint Helena
SJM	Svalbard and Jan Mayen
SKM	Sikkim
SLB	Solomon Islands
SLE	Sierra Leone
SLV	El Salvador
SMR	San Marino
SOM	Somalia
SPM	Saint Pierre and Miquelon
SRB	Serbia
STP	Sao Tome and Principe
SUN	Union of Soviet Socialist Republics
SUR	Suriname
SVK	Slovakia
SVN	Slovenia
SWE	Sweden
SWZ	Swaziland
SYC	Seychelles
SYR	Syria
TCA	Turks and Caicos Islands
TCD	Chad
TGO	Togo
THA	Thailand
TJK	Tajikistan
TKL	Tokelau
TKM	Turkmenistan
TLS	Timor-Leste
TMP	East Timor
TON	Tonga
TTO	Trinidad and Tobago
TUN	Tunisia
TUR	Turkey
TUV	Tuvalu
TWN	Taiwan
TZA	Tanzania
UGA	Uganda
UKR	Ukraine
UKR	Ukraine
UMI	United States Minor Outlying Islands
URY	Uruguay
USA	United States
UZB	Uzbekistan
VAT	Holy See
VAT	Holy See
VCT	Saint Vincent and the Grenadines

VDR	South Vietnam
VEN	Venezuela
VGB	Virgin Islands, British
VIR	Virgin Islands, U.S.
VNM	Vietnam
VUT	Vanuatu
WAK	Wake Island
WLF	Wallis and Futuna
WSM	Samoa
YEM	Yemen
YEM	Yemen
YMD	Democratic Yemen
YUG	Yugoslavia
ZAF	South Africa
ZAR	Zaire
ZMB	Zambia
ZWE	Zimbabwe

Roman Catholic Diocese

AAB	Arundel and Brighton
BIR	Birmingham
BRE	Brentwood
CAR	Cardiff
CLI	Clifton
EAS	East Anglia
HAL	Hallam
HAN	Hexham and Newcastle
LAN	Lancaster
LEE	Leeds
LIV	Liverpool
MEN	Menevia
MID	Middlesbrough
NOR	Northampton
NOT	Nottingham
PLY	Plymouth
POR	Portsmouth
SAL	Salford
SHR	Shrewsbury
SOU	Southwark
WES	Westminster
WRE	Wrexham

UK

Absence Category

MAT	Maternity /Paternity leave
OTH	Other paid authorised absence, e.g. compassionate leave
PUB	Paid absence for public duties
SEC	Secondment
SIC	Sickness
TRN	Training
UNA	Unauthorised absence
UNP	Unpaid, authorised absence

Absence Reason

ACCI	Accident at Work
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CARE	Nominated Carer leave
COMP	Compassionate leave
INDI	Industrial Injury
MAPA	Maternity / Paternity
OPAY	Other paid authorised absence
PAPD	Paid absence for public duties
PHAS	Phased return to work
SECO	Secondment
SICK	Sickness
STRI	Strike action
TRAI	Training
UNAU	Unauthorised absence
UPAY	Unpaid authorised absence

Additional Payment Type

ACT	Acting
GTC	GTC subscription
INS	INSET
LFR	London Fringe Weighting (Support Staff)
LIN	Inner London Weighting (Support Staff)
LOT	Outer London Weighting (Support Staff)
MAL	Management Allowances
OOS	Out of School Activities
OTH	Other
RAR	Recruitment and Retention
RCA	Recruitment Incentive (Other)
RCC	Recruitment Incentive (One Off Payment)
RCP	Recruitment Incentive (Pay)
RES	Residential duties
SEN	SEN Allowances
TLR	Teaching and Learning Responsibility Payments
UQT	Unqualified Teachers
WEL	Welcome Back

Admissions Aptitude Code

DT	Design Technology or IT
ML	Modern Foreign Languages
OT	Other
PA	Performing Arts
PE	Physical Education or Sport
VA	Visual Arts

Admissions Notify Method

E	Email
L	Letter
O	Online
T	SMS/Text message

Admissions Offer Status

D	Discard (higher preference offered)
N	No offer
O	Offer
W	Withdraw Previous Offer

Admissions Preband Category

1A	Band 1A (Highest)
1B	Band 1B
2A	Band 2A
2B	Band 2B
3	Band 3 (Lowest)
U	Band Unknown

Admissions Reason Code

APTD	Aptitude
COED	Coeducational School
CTCH	Catchment Area
DIST	Distance
FEED	Feeder School
MEDL	Medical
OTHR	Other
RLGN	Religion
SIBL	Sibling
SOCL	Social Reasons
SSEX	Single Sex School
TRAV	Travelling Time

ADT File Status Type

Change	A 'Change' value means that all data previously supplied (apart from the Application Reference) are to be deleted and only the data in the change file to be used for pupils in the file.
Late	The records in this file type are considered as late by the Home LAs criteria.
Prime	These files contain completely new data and should be considered the complete application for the student.
Suspended	This is a precautionary status, as it is not known when it might be used. These records should go to suspense, as it is not possible to know what to do with them if the condition cannot be determined.
Withdrawal	These files advise the LA or Own Admission Authority school that an application should be noted as withdrawn for a pupil who moves away from the LA during the admissions process.

Advice and Assessment (Wales)

AA1	School based assessment
AA2	External advice/assessment
AA3	Specialised assessments
AA4	Multi-agency assessments

Alternative Tuition Provision Type

HSP	Hospital
IND	Independent School
NMS	Non-maintained Special School
NOT	Not a School

Assessment Method

Method used to assess learner.

DD	Disapplied
NA	Not assessed
TA	Teacher Assessment
TT	Task / Test

Assessment Result Qualifier

The expected format or type associated with an assessment result.

AG	Age score
CM	Comment

EG	Examination/Post-14 Qualification Grade
EL	EAL Assessment Level (Pre NC Level 2)
FC	Foundation Stage Profile Count
FD	Foundation Stage Profile Detail
FS	Foundation Stage Profile Score
IA	International Baccalaureate Assessment
IG	International Baccalaureate Grade Point
IR	International Baccalaureate Final Result
IS	International Baccalaureate Aggregate Grade Points
LG	Letter grade / mark
ML	Mastery level
NA	National Curriculum Age Standardised Score
NC	Normal curve equivalent score
ND	National Curriculum Level (Decimalised)
NF	National Curriculum Level with Fine Grading
NL	National Curriculum Level
NM	National Curriculum Task/Test Mark
NM	National Curriculum Task/Test Mark
NP	SEN Assessment Level (P Scale)
NR	National Curriculum Test Raw Score
NS	National Curriculum Summary (Aggregate) Mark
NS	National Curriculum Summary (Aggregate) Mark
OT	Other
PC	Percentile
PF	Pass/fail
PR	Percentile rank
RA	Ranking
RS	Raw score
SA	Standard age score
SC	Scale score

Assessment Result Status

An indicator for how the result was derived or achieved.

E	Estimate
I	Interim
P	Provisional (subject to regarding/appeal)
R	Result
T	Target

Assessment Stage

The common values associated with assessment stages.

EAL	English as an Additional Language Level of Acquisition (locale: E)
FSP	Foundation Stage Profile (locale: E)
K1T	Key Stage 1 Trial (Historical) (locale: E)
K2P	Key Stage 2 Progression Tests (Pilot) (locale: E)
K3P	Key Stage 3 Progression Tests (Pilot) (locale: E)
KS0	Baseline Assessment (locale: E)
KS1	Key Stage 1 (End of) (locale: E)
KS2	Key Stage 2 (End of) (locale: E)
KS3	Key Stage 3 (End of) (locale: E)
KS4	GCSE / GNVQ / Other Approved Awards (locale: E)
KS5	A Level/AS Level/Advanced GNVQ/Other Advanced Studies (locale: E)
P2	Primary 2 (locale: S)
P3	Primary 3 (locale: S)
P4	Primary 4 (locale: S)
P5	Primary 5 (locale: S)

P6	Primary 6 (locale: S)
P7	Primary 7 (locale: S)
S1	Secondary 1 (locale: S)
S2	Secondary 2 (locale: S)
SEN	P-Scale Assessment for SEN children (locale: E)
W09	World Class Tests – Aged 9 (locale: E)
W13	World Class Tests – Aged 13 (locale: E)
Y03	Year 3 Optional Tests / Teacher Assessments (locale: E)
Y04	Year 4 Optional Tests / Teacher Assessments (locale: E)
Y05	Year 5 Optional Tests / Teacher Assessments (locale: E)
Y07	Year 7 Optional Tests / Teacher Assessments (locale: E)
Y08	Year 8 Optional Tests / Teacher Assessments (locale: E)
Y4X	Year 4 Optional Tests (1997 Based) (locale: E)
Y7P	Year 7 Progress Tests (locale: E)

Assessment Subject

The subject area being assessed.

ARA	Arabic (locale: E)
ART	Art and Design (locale: E W)
BEN	Bengali (locale: E)
CHI	Chinese (locale: E)
CLL	Communication Language and Literacy (locale: E)
CRE	Creative Development (locale: E)
CYM	Welsh (locale: W)
DAN	Danish (locale: E)
DAT	Design and Technology (locale: E W)
DUT	Dutch (locale: E)
ENG	English (locale: E S W)
FIN	Finnish (locale: E)
FRE	French (locale: E)
FSP	Foundation Stage Profile (Total) (locale: E)
GAE	Gaelic / Gaidhlig (locale: S)
GEO	Geography (locale: E W)
GER	German (locale: E)
GRE	Modern Greek (locale: E)
GUJ	Gujarati (locale: E)
HEB	Modern Hebrew (locale: E)
HIS	History (locale: E W)
ICT	Information and Communication Technology (locale: E W)
ITA	Italian (locale: E)
JAP	Japanese (locale: E)
KUW	Knowledge and Understanding of World (locale: E)
MAT	Mathematics / Mathematical Development (locale: E S W)
MFL	Modern Foreign Language (locale: E W)
MUS	Music (locale: E W)
PAN	Panjabi (locale: E)
PED	Physical Education (locale: E W)
PHY	Physical Development (locale: E)
POR	Portuguese (locale: E)
PSE	Personal Social and Emotional Development (locale: E)
PSH	Personal Social and Health Education (PSHE) (locale: E)
RUS	Russian (locale: E)
SCI	Science (locale: E W)
SPA	Spanish (locale: E)
SWE	Swedish (locale: E)
TUR	Turkish (locale: E)
URD	Urdu (locale: E)

WEL	Welsh (locale: E W)
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Assignment Post

ACAR	Assistant Caretaker
ACOO	Assistant Cook
ADMC	Administrator / Clerk
ADVT	Advisory teacher (unattached)
ARTD	Art and/or Design Technician
ASHT	Assistant head
ASTE	Advanced Skills Teacher
ATTN	Attendance Officer
BILN	Bilingual Support Assistant
BURS	Bursar
BUSS	Business Manager
CART	Creative Arts Specialist
CATR	Other Catering Staff
CLNR	Cleaner
COOK	Cook
COVR	Cover Supervisor
CTKR	Caretaker
CXPA	Connexions Personal Adviser
DATA	Data Manager / Analyst
DPHT	Deputy head
EDWO	Education Welfare Officer
EPSY	Educational Psychologist
ESCT	Escort
EXAM	Examinations Officer
FINC	Finance Officer
HCOO	Head Cook
HDHO	Head of House
HDPT	Head of Department
HDTR	Head teacher
HDYR	Head of Year
HLTA	Higher Level Teaching Assistant
HSLO	Home-School Liaison Officer
ICTM	ICT Network Manager
ICTT	ICT Technician
INST	Instructor
INVG	Exam Invigilator
LANG	Language support
LASS	Lab Assistant
LIBR	Librarian
LITR	Literacy Worker
LMEN	Learning Mentor
LRNM	Learning Manager
LSEN	Learning Support Assistant (for SEN pupils)
MIDA	Midday Assistant
MIDS	Midday Supervisor
MINS	Minority ethnic support
MISC	Miscellaneous Teaching Service for the LEA
MUSC	Music tuition (include peripatetic)
MUSS	Music Specialist
NNSE	Nursery Nurse
NURS	Nurse
OICT	Other ICT Support Staff
OMAN	Office Manager
PAHT	Personal Assistant to Headteacher

PERI	Peripatetic Teacher (unattached)
PREM	Premises Manager
RECP	Receptionist
RESP	Post of Responsibility
RPRG	Reprographics Technician
SENC	SEN co-ordinator
SOFF	Site Officer
SPLY	LEA Supply Pool
SSEC	School Secretary
STCH	Science Technician
TASS	Teaching Assistant
TCHR	Classroom Teacher
THER	Therapist
TMIS	Teacher: engaged to teach in miscellaneous establishments
TNON	Teacher: engaged for non-school education
TPRU	Teacher: engaged to teach in a Pupil Referral Unit
TRAV	Traveller support
TTCH	Technology Technician
VOLN	Volunteer
WELF	Welfare Assistant

Attendance Code

#	School closed to pupils - not counted in possible attendances
/	Present (AM)
\	Present (PM)
B	Approved education activity as pupil being educated off site (not dual registration)
C	Authorised absence as pupil is absent due to other authorised circumstances, including Public performances and employment (licensed under regulations), family bereavement, special occasions (in limited circumstances), absences when Traveller children are attending another school.
D	Approved education activity as pupil is dual registered (i.e. attending another establishment)
E	Authorised absence as pupil is excluded, with no alternative provision made
F	Authorised absence due to agreed extended family holiday
G	Unauthorised absence as pupil is on a family holiday, not agreed, or is taking days in excess of an agreed family holiday
H	Authorised absence due to agreed family holiday
I	Authorised absence due to Illness (NOT medical or dental etc. appointments)
J	Approved education activity as pupil is attending interview
K	Unknown - used as a placeholder in lieu of valid data. Assumed to be authorised and present until otherwise proven or changed.
L	Late (before registers closed) marked as present
M	Authorised absence due to medical / dental appointments
N	Unauthorised absence as pupil missed sessions for a reason that has not yet been provided
O	Unauthorised absence as pupil missed sessions for an unauthorised absence not covered by any other code/description
P	Approved education activity as pupil is attending an approved sporting activity
R	Authorised absence due to religious observance
S	Authorised absence due to study leave
T	Authorised absence due to traveller absence
U	Unauthorised absence as pupil arrived after registers closed
V	Approved education activity as pupil is away on an educational visit or trip
W	Approved education activity as pupil is attending work experience
X	Non-compulsory school age absence - not counted in possible attendances
Y	Enforced closure - not counted in possible attendances
Z	Pupil not yet on roll - not counted in possible attendances

Attendance Domain

Both	Domain applies to both lessons and sessions
Lesson	Domain is recorded for a lesson only
Session	Domain is recorded for a session only

Attendance Session

AM	AM Session
NA	Not Applicable
PM	PM Session

Attendance Source

BIO	Biometric device
HU	Human other than workforce member
OT	Other non-human input source
WF	Workforce Member

Basic Skills Support (Wales)

00	Does not require support
01	Specialist literacy support only
02	Specialist numeracy support only
03	specialist literacy and numeracy support
04	other literacy support
05	other numeracy support
06	other literacy and numeracy support
07	Needs support but has not/will not receive support
90	Basic Skills needs not assessed

Birth Date Verification Level

0	Not Verified
1	One or more of the following Secondary certificates: Certificate of Baptism; Marriage Certificate; National Health Service Medical Card; Child's Certificate of Vaccination; Child's Health Record Card; A certificate of Service in HM Forces or other employment under the Crown or in the Mercantile Marine; A certificate of membership of a Trade Union Friendly Society or any cards or papers relating to membership of an Approved Society or Unemployment Insurance Apprenticeship indentures; Early certificate or testimonial from employer; Aliens registration card, certificate of naturalisation, Home Office travel document or a passport; Life insurance policy; Certificate of confirmation; School certificate or report; A birthday book or old family record; Family Bible containing a record of birth.
2	One of the following: Full certificate; Birth certificate short form; Certificate of registry showing given names and family name; GRO copy; Adoption Order issued by the High Court, County Court or Juvenile Court; Certificate of adoption issued by the GRO; Foreign birth certificate issued by registration authority of the foreign country.

Boarder Type

6	Boarder, six nights or less a week
7	Boarder, seven nights a week
B	Boarder, nights per week not specified
N	Not a boarder

Class Type

N	Nursery Class (England), Nursery Class (not a Special Class/Unit) (Wales)
O	Not a Nursery Class (England), Other Class (not a Special Class/Unit) (Wales)
S	Nursery Special Class/Unit (Wales)

Connexions Agreement

No	Parent or guardian has refused permission
SNR	Sought, No Reply - School has sent out Fair Processing Notices, but has received no reply from parent or guardian (Data can be shared with Connexions)
UNS	Unsought - School has not yet sent out Fair Processing Notices (Data cannot be shared with Connexions)
Yes	Permission has been given by the parent or guardian

Curriculum and Teaching Methods (Wales)

CT1	Some targeted differentiation
CT2	Significant and targeted differentiation
CT3	Some curriculum modifications

CT4	Significant curriculum modifications
-----	--------------------------------------

Exclusion Reason

BU	Bullying
DA	Drug and alcohol related
DB	Persistent disruptive behaviour
DM	Damage to property
DR	Defiance of rules/ discipline policy
OT	Other
PA	Physical assault against an adult
PP	Physical assault against a pupil
PW	Possession / use of weapon
RA	Racial harassment/abuse
SM	Sexual misconduct/abuse
TB	Threatening or dangerous behaviour
TH	Theft
VA	Verbal abuse/threatening behaviour against an adult
VP	Verbal abuse/threatening behaviour against a pupil

Family Structure

A	2 Adults
C	In Residential Care
F	Foster Parents
S	Single Parent
U	Unknown

General Subject

AAD	Applied Art and Design
ABS	Applied Business Studies
ACC	Accountancy
AHS	Combined Arts / Humanities / Social studies
AIT	Applied ICT
ARA	Arabic
ART	Art and Design / Art
ASC	Applied Science
BEN	Bengali
BIO	Biology / Botany / Zoology / Ecology
CAB	Commercial and Business Studies/Education/Management
CAR	Careers Education
CBE	Construction and Built Environment / Building
CDT	Craft, Design and Technology
CHD	Child Development
CHI	Chinese
CHM	Chemistry
CIT	Citizenship
CLS	Classics
COM	Communication Studies
COS	Community Studies
CSB	Combined/General Science - Biology
CSC	Combined/General Science - Chemistry
CSP	Combined/General Science - Physics
CYM	Cymraeg/Welsh (as First Language)
DAN	Danish
DAT	Design and Technology
DNC	Dance
DRA	Drama

DTE	Design and Technology - Electronics
DTF	Design and Technology - Food Technology
DTG	Design and Technology - Graphics
DTR	Design and Technology - Resistant Materials
DTS	Design and Technology - Systems and Control
DTT	Design and Technology - Textiles
DUT	Dutch
ECO	Economics
EDU	Education
ENG	English
ENR	Engineering
ENV	Environmental Science/Studies
EUR	European Studies
FIN	Finnish
FRE	French
GEN	General Studies
GEO	Geography
GER	German
GLG	Geology
GPL	Government and Politics
GRC	Greek (Classical)
GRE	Greek (Modern)
GUJ	Gujerati
HAC	Hospitality and Catering
HBB	Hebrew (Biblical)
HEB	Hebrew (Modern)
HIN	Hindi
HIS	History
HSC	Health and Social Care
HUM	Humanities
ICT	Information and Communication Technology
IND	Industrial Studies
ITA	Italian
JAP	Japanese
KSK	Key Skills (Only if KeyStage = 4)
LAE	Land and Environment / Agriculture
LAT	Latin
LAW	Law
LIF	Life Skills
LTT	Leisure, Travel and Tourism
MAT	Mathematics
MED	Media Studies
MFL	Modern Foreign Language
MNF	Manufacturing
MUS	Music
OBC	Other Business / Commercial Subject
OCL	Other Classical Studies/Language
OHU	Other Humanities
OLA	Other Language Subject
OMA	Other Mathematical Subject
OPH	Other Physical Subject
OPR	Other Aesthetic / Practical Subject
OSC	Other Sciences
OSS	Other Social Studies
OTE	Other Technological Subject
OTH	Other (not otherwise specified)
OVO	Other Vocational Subject
PAN	Panjabi

PED	Physical Education / Sports
PER	Performing Arts
PHL	Philosophy
PHY	Physics
POR	Portuguese
PRI	Primary Curriculum
PSH	Personal Social and Health Education (PSHE)
PSY	Psychology
REL	Religious Education
RUS	Russian
RWD	Retail, Warehousing and Distribution
SCI	Science
SEN	Special Educational Needs
SOC	Sociology
SPA	Spanish
SSS	Social Studies/Science
STA	Statistics
SWE	Swedish
TDG	Technical Drawing/Graphics
TUR	Turkish
UFA	Under-5 Activities
URD	Urdu
VNW	Any new GCSE in a vocational subject
WEL	Welsh

Governance Type

CA	Academies (England only)
CO	Community
CT	City Technology College (England only)
FO	Foundation
IN	Independent
NM	Non-maintained (England only)
VA	Voluntary Aided
VC	Voluntary Controlled

Group Role

ACD	Academic (Additional code for use in the Learning Platform)
ADM	Administrator (Additional code for use in the Learning Platform)
AHT	Assistant head
AST	Advanced Skills Teacher
AVT	Advisory Teacher
DHT	Deputy head
EPS	Educational Psychologist
EXL	Excellent Teacher
GOV	Governor (Additional code for use in the Learning Platform)
HDT	Head teacher
OTH	Other (Additional code for use in the Learning Platform)
SUP	Support staff
TCH	Classroom teacher
VOL	Volunteer (Additional code for use in the Learning Platform)

Grouping and Support (Wales)

GS1	Occasional additional support in class
GS2	Targeted and sustained additional support
GS3	Small group class provision
GS4	Mostly small group provision

Illness Category

ALDR	Alcohol or Drug Related
ALLE	Allergy
ANXI	Anxiety or Depression
BLOO	Blood Condition
CANC	Cancer or Tumour
CHFS	Chronic Fatigue Syndrome
CIRC	Circulation Condition
DENT	Dental
DIAB	Diabetes
DIGE	Digestive or nutrition condition
EARC	Ear conditions
EPIL	Epilepsy
EYEC	Eye conditions
FOOD	Food borne illness
GAST	Gastrointestinal condition
GEUR	Genital / Urinary
HEAT	Heat or sun related
HEMI	Headache / Migrane
HRTC	Heart condition
INFE	Infection
INJB	Injury - back or neck
INJH	Injury - head
INJL	Injury - limb
INJO	Injury - other
KIDN	Kidney condition
LIVR	Liver condition
MBOL	Metabolic condition
MHEL	Mental health related
MUSK	Musculo-Skeletal Condition
NEUR	Neurological condition
NKNO	Not known
NOTR	Nose or Throat condition
NSPE	Not specified
OPER	Operation or Post Operative
PREG	Pregnancy Related
PSYC	Psychological Condition
REPR	Reproductive
RESP	Respiratory condition
SKIN	Skin disorder
STRS	Stress Related
THYR	Thyroid condition
TRAU	Trauma Related
VIRC	Virus - Common
VIRE	Virus - Epidemic

In Care Type

CH	Children's Home
FT	Fostered
OT	Other
PA	Placed for adoption
WP	With parents

Language Study

¹	Taught as a first language
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2	Taught as a second language
3	Taught other language
4	Not taught language at all
5	Disapplied from curriculum by SEN statement

Learner Enrolment Status

C	Current (single registration at this school)
G	Guest (pupil not registered at this school but attending some lessons or sessions)
M	Current Main (dual registration)
P	Previous
S	Current Subsidiary (dual registration)
U	Unknown

Learner Identity

BRI	British
ENG	English
IRE	Irish
NOS	Not Supplied
OTH	Other
REF	Refused
SCO	Scottish
WAL	Welsh

Leaving Destination

EM	Employment
FE	General FE, tertiary and specialist colleges
HE	Higher education institutions
IP	Independent primary school
IS	Independent secondary school
MP	Maintained primary school
MS	Maintained secondary school
NK	Other/Not Known
SC	6th Form College
WL	Work based Learning

Leaving Reason

DD	Deceased
EM	Emigration
EO	Education other than at school/college
FE	Further Education (Leaver)
FM	First to Middle Phase Transfer
HE	Higher Education (Leaver)
IJ	Infant to Junior/Primary Phase Transfer
JS	Junior/Primary to Secondary Phase Transfer
MD	Military deployment of parent(s)
MS	Middle to Secondary Phase Transfer
NI	Nursery to Infant
OS	Other School Sixth Form (Leaver)
OT	Other/Unknown
PE	Permanent Exclusion
ST	School Transfer (Mid-Year)
TR	Training (Leaver)
UN	Unemployment (Leaver)
WK	Employment (Leaver)

Locale

Acceptable values for locale or region.

E	England
N	Northern Ireland
O	Other
S	Scotland
W	Wales/Cymru

Marital Status

D	Divorced
M	Married
N	Not disclosed
P	Separated
S	Single
W	Widowed

NC Year Group

1	Year 1
2	Year 2
3	Year 3
4	Year 4
5	Year 5
6	Year 6
7	Year 7
8	Year 8
9	Year 9
10	Year 10
11	Year 11
12	Year 12
13	Year 13
14	Year 14
M	Mixed Year Class - available for School Census Class Information
N1	Nursery first year
N2	Nursery second year
R	Reception
U	Unknown
X	National Curriculum not followed available only for Special Schools where pupils are not following a particular NC Year

Operational Status

1	Open
2	Closed
3	Open, but proposed to close
4	Proposed to open
5	De-registered as EY Setting

Phase Type

EY	Early Years Setting
MP	Middle (Deemed Primary)
MS	Middle (Deemed Secondary)
NO	No Establishment (for children not on any establishment roll)
NY	Nursery
PR	Pupil Referral Unit (PRU)
PY	Primary
SP	Special

SY	Secondary
XX	Multiple phases (not Middle, Special, or PRU)

Phone Type

A	Alternate Home
D	Minicom (hearing impaired/disabled)
F	Fax
H	Home
M	Mobile
W	Work

Pupil Exclusion Reason

BU	Bullying
DA	Drug and alcohol related
DB	Persistent disruptive behaviour
DM	Damage
OT	Other
PA	Physical assault against an adult
PP	Physical assault against a pupil
RA	Racist abuse
SM	Sexual misconduct
TH	Theft
VA	Verbal abuse/threatening behaviour against an adult
VP	Verbal abuse/threatening behaviour against a pupil

Relationship

ASWR	Agency representative
CARE	Carer
CHMR	Childminder
DEPD	Dependent
DOCT	Doctor
EMPY	Employer
FAAP	Adoptive parents
FAAS	Adopted son
FABH	Brother, half
FABI	Brother-in-law
FABN	Brother, natural/adoptive
FABS	Brother, step
FADF	Foster daughter
FADI	Daughter-in-law
FADR	Daughter
FAFF	Father, foster
FAFI	Father-in-law
FAFN	Father, natural/adoptive
FAFO	Father's significant other
FAFS	Father, step
FAGA	Great aunt
FAGD	Granddaughter
FAGF	Grandfather
FAGM	Grandmother
FAGS	Grandson
FAGU	Great uncle
FALP	Life partner
FAMF	Mother, foster
FAMH	Husband
FAMI	Mother-in-law

FAMN	Mother, natural/adoptive
FAMO	Mother's significant other
FAMS	Mother, step
FANC	Niece
FANW	Nephew
FAOT	Family member
FAPF	Foster parent
FAPP	Life partner of parent
FASF	Foster son
FASH	Sister, half
FASI	Sister-in-law
FASN	Sister, natural/adoptive
FASO	Son
FASP	Stepson
FASS	Sister, step
FASW	Son-in-law
FNCF	Fiance
FNCM	Fianc
FRND	Friend
GUAR	Court appointed guardian
HTCR	Head Teacher
NONE	None
OREL	Other relative
OTHR	Other
PREH	Former husband
PREW	Former wife
PROB	Probation officer
PTNP	Partner of parent
PTNR	Partner
RELA	Aunt
RELC	Cousin
RELG	Minister or priest
RELU	Uncle
SIGO	Significant other
SWKR	Social Worker
TADV	Advisor
WARD	Ward
WIFE	Wife

Religious Affiliation

BA	Baptist
BU	Buddhist
CE	Church of England
CH	Christian
CO	Congregational
EC	Christian (Ecumenical)
FR	Free Church
GR	Greek Orthodox
HI	Hindu
JE	Jewish
JW	Jehovah's Witness
LU	Lutheran
ME	Methodist
MO	Mormon
MU	Muslim
ND	Non-denominational/Secular
NO	No religion

OT	Other Religious Affiliation
QU	Quaker
RC	Roman Catholic
RF	Refused
RU	Russian Orthodox
SA	Salvation Army
SD	Seventh Day Adventist
SI	Sikh
UR	United Reform Church

School Type

01	First school, 5-8
02	First school, 5-9
03	First school, 5-10
04	First and Middle school, 5-12
05	Middle school, 8-12, deemed Primary
06	Middle school, 9-13, deemed Primary
07	Middle school, 9-13, deemed Secondary
08	Middle school, 10-13, deemed Secondary
09	Comprehensive Upper school, 12-15/16
10	Comprehensive Upper school, 12-18
11	Comprehensive Upper school, 13-16
12	Comprehensive Upper school, 13-18
16	Infant school, 5-7/8
17	Junior school, 7/8-11
18	Infant and Junior school, 5-11
21	Comprehensive all-through, 11-16
22	Comprehensive all-through, 11-18
25	Junior Comprehensive, 11-13, automatic transfer
26	Junior Comprehensive, 11-14, automatic transfer
27	Junior Comprehensive, 11-16, optional transfer at 13
28	Junior Comprehensive, 11-16, optional transfer at 14
29	Senior Comprehensive, 13-16, automatic transfer
30	Senior Comprehensive, 13-18, optional transfer
31	Senior Comprehensive, 13-18, automatic transfer
32	Senior Comprehensive, 14-18, optional transfer
33	Senior Comprehensive, 14-18, automatic transfer
36	Non-Comprehensive Secondary - Modern
37	Non-Comprehensive Secondary - Grammar
38	Non-Comprehensive Secondary - Technical
39	Non-Comprehensive Secondary - Other
41	Middle school, 10-14, deemed Secondary
42	First school, 5-7;
43	First school, 7-10;
44	Comprehensive Upper school, 14/15-18
45	Middle school, 9-12, deemed Primary
46	Comprehensive, Middle and Upper, 10-16
47	City Technology College
48	Comprehensive Upper school, 11-16
49	Academies
50	Maintained Nursery
51	Direct Grant Nursery

SEN Provision

A	School Action or Early Years Action
N	No Special Educational Need

P	School Action Plus or Early Years Action Plus
S	Statement

SEN Type

ASD	Autistic Spectrum Disorder
BESD	Behaviour, Emotional and Social Difficulties
DNA	Does not apply (Wales)
HI	Hearing Impairment
MLD	Moderate Learning Difficulty
MSI	Multi-Sensory Impairment
OTH	Other Difficulty/Disability (England)
PD	Physical Disability (England)
PMED	Physical and Medical Difficulties (Wales)
PMLD	Profound and Multiple Learning Difficulty
SLCD	Speech, Language and Communication Difficulties (Wales)
SLCN	Speech, Language and Communication Needs (England)
SLD	Severe Learning Difficulty
SPLD	Specific Learning Difficulty
VI	Visual Impairment

Source Code

C	Provided by the child (ie pupil)
O	Other
P	Provided by the parent
S	Ascribed by the current school
T	Ascribed by a previous school

Specialised Resources (Wales)

SR1	Periodic access to standard equipment
SR2	Individual access to normally available equipment
SR3	Individual access to specialised equipment
SR4	Dedicated access to highly specialised equipment

Traveller/Gypsy Code

GH	Gypsy/Roma (Housed)
GT	Gypsy/Roma (Travelling)
NT	Not a Traveller
OT	Occupational Traveller
TR	Traveller (Other)

Tuition Category

HP	Alternative Tuition at Home by Parents/Carers
IL	Alternative Tuition by LA because of Illness
OR	Alternative Tuition by LA for Other Reason
PE	Alternative Tuition by LA because of Permanent Exclusion

Tuition Hours

A	5 hours or less
B	6-12 hours
C	13-19 hours
D	20 hours or more

Usual Mode of Travel

The usual mode of travel used by a learner to get to and from school.

BNK	Bus (type not known)
CAR	Car/Van
CRS	Car Share (with a child/children from a different household)
CYC	Cycle
DSB	Dedicated school bus
LUL	London Underground
MTL	Metro/Tram/Light Rail
OTH	Other
PSB	Public service bus
TRN	Train
TXI	Taxi
WLK	Walk

Appendix C: External Code Sets

All code sets defined by external bodies and referenced within SIF are included here for reference. The left column in each table contains the individual code values that are used in SIF elements and attributes that reference these code sets. These sets of code values are closed and normative for a given version of this specification. Including codes not provided here in corresponding SIF elements and attributes can lead to XML validation errors in installations where the zone integration server or any agent is validating XML messages; the SIF data model allows for locally-defined codes, where deemed appropriate, in the

[OtherCodeList](#) element. The right column of each table may provide a textual equivalent or description of the corresponding code, and is provided for informational purposes only. The referenced sources for these code sets serve as the authorities for all descriptions and semantics, and for the definition and maintenance of the code set values themselves. In each release of this specification the SIF Association endeavors to synchronize referenced code sets with updates from external sources.

International Standards Organization (ISO)

4217 Currency names and code elements

AED	UAE Dirham
AFN	Afghani
ALL	Lek
AMD	Armenian Dram
ANG	Netherlands Antillian Guikder
AOA	Kwanza
ARS	Argentine Peso
AUD	Australian Dollar
AWG	Aruban Guilder
AZN	Azerbaijani Manat
BAM	Convertible Marks
BBD	Barbados Dollar
BDT	Taka
BGN	Bulgarian Lev
BHD	Bahraini Dinar
BIF	Burundi Franc
BMD	Bermudian Dollar (customarily known as Bermuda Dollar)
BND	Brunei Dollar
BOB	Boliviano
BOV	Mvdol
BRL	Brazilian Real
BSD	Bahamian Dollar
BTN	Ngultrum
BWP	Pula
BYR	Belarussian Ruble
BZD	Belize Dollar
CAD	Canadian Dollar
CDF	Franc Congolais
CHE	WIR Euro
CHF	Swiss Franc
CHW	WIR Franc
CLF	Unidades de formento
CLP	Chilean Peso
CNY	Yuan Renminbi
COP	Colombian Peso
COU	Unidad de Valor Real
CRC	Costa Rican Colon
CSD	Serbian Dinar
CUP	Cuban Peso
CVE	Cape Verde Escudo
CYP	Cyprus Pound
CZK	Czech Koruna
DJF	Djibouti Franc
DKK	Danish Krone

DOP	Dominican Peso
DZD	Algerian Dinar
EEK	Kroon
EGP	Egyptian Pound
ERN	Nakfa
ETB	Ethiopian Birr
EUR	Euro
FJD	Fiji Dollar
FKP	Falkland Islands Pound
GBP	Pound Sterling
GEL	Lari
GHC	Cedi
GIP	Gibraltar Pound
GMD	Dalasi
GNF	Guinea Franc
GTQ	Quetzal
GWP	Guinea-Bissau Peso
GYD	Guyana Dollar
HKD	Hong Kong Dollar
HNL	Lempira
HRK	Croatian Kuna
HTG	Gourde
HUF	Forint
IDR	Rupiah
ILS	New Israeli Sheqel
INR	Indian Rupee
IQD	Iraqi Dinar
IRR	Iranian Rial
ISK	Iceland Krona
JMD	Jamaican Dollar
JOD	Jordanian Dinar
JPY	Yen
KES	Kenyan Shilling
KGS	Som
KHR	Riel
KMF	Comoro Franc
KPW	North Korean Won
KRW	Won
KWD	Kuwaiti Dinar
KYD	Cayman Islands Dollar
KZT	Tenge
LAK	Kip
LBP	Lebanese Pound
LKR	Sri Lanka Rupee
LRD	Liberian Dollar
LSL	Loti
LTL	Lithuanian Litas
LVL	Latvian Lats
LYD	Libyan Dinar
MAD	Moroccan Dirham
MDL	Moldovan Leu
MGA	Malagascy Ariary
MKD	Denar
MMK	Kyat
MNT	Tugrik
MOP	Pataca
MRO	Ouguiya
MTL	Maltese Lira

MUR	Mauritius Rupee
MVR	Rufiyaa
MWK	Kwacha
MXN	Mexican Peso
MXV	Mexican Unidad de Inversion (UID)
MYR	Malaysian Ringgit
MZN	Metical
NAD	Namibian Dollar
NGN	Naira
NIO	Cordoba Oro
NOK	Norwegian Krone
NPR	Nepalese Rupee
NZD	New Zealand Dollar
OMR	Rial Omani
PAB	Balboa
PEN	Nuevo Sol
PGK	Kina
PHP	Philippine Peso
PKR	Pakistan Rupee
PLN	Zloty
PYG	Guarani
QAR	Qatari Rial
ROL	Old Leu
RON	New Leu
RUB	Russian Ruble
RWF	Rwanda Franc
SAR	Saudi Riyal
SBD	Solomon Islands Dollar
SCR	Seychelles Rupee
SDD	Sudanese Dinar
SEK	Swedish Krona
SGD	Singapore Dollar
SHP	Saint Helena Pound
SIT	Tolar
SKK	Slovak Koruna
SLC	Leone
SOS	Somali Shilling
SRD	Surinam Dollar
STD	Dobra
SVC	El Salvador Colon
SYR	Syrian Pound
SZL	Lilangeni
THB	Baht
TJS	Somoni
TMM	Manat
TND	Tunisian Dinar
TOP	Pa'anga
TRY	New Turkish Lira
TTD	Trinidad and Tobago Dollar
TWD	New Taiwan Dollar
TZS	Tanzanian Shilling
UAH	Hryvnia
UGX	Uganda Shilling
USD	US Dollar
USN	US Dollar (Next day)
USS	US Dollar (Same day)
UYU	Peso Uruguayo
UZS	Uzbekistan Sum

VEB	Bolivar
VND	Dong
VUV	Vatu
WST	Tala
XAF	CFA Franc BEAC
XAG	Silver
XAU	Gold
XBA	Bond Markets Units European Composite Unit (EURCO)
XBB	European Monetary Unit (E.M.U.-6)
XBC	European Unit of Account 9 (E.U.A.-9)
XBD	European Unit of Account 17 (E.U.A.-17)
XCD	East Caribbean Dollar
XDR	SDR
XFO	Gold-Franc
XFU	UIC-Franc
XOF	CFA Franc BCEAO
XPD	Palladium
XPF	CFP Franc
XPT	Platinum
XTS	Code specifically reserved for testing purposes
XXX	Code assigned for transactions where no currency is involved
YER	Yemeni Rial
ZAR	Rand
ZMK	Kwacha
ZWN	Zimbabwe Dollar

Appendix D: Background/Supplementary Documentation (non-normative)

This appendix supplies background/supplementary documentation from working groups and task forces for interested readers, including but not limited to object plans, business/use cases, test plans, test results, background and best practice documentation. Last modified dates are included in parentheses.



1.0



1.1



1.3



1.4

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