



EDT Message Specification v3.0.7

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Introduction

This document describes the message format used to post documents to EDT Server and Docman EDT.

The message is based on the widely used "Kettering Specialist Service Report Message" with additional elements required to support clinical document transfer to GP practices. The message specification has not been defined by PCTI, it has been amended over time by suppliers in order to suit the output from their systems.

For those using the EDT Server Web Service, it should be read in conjunction with [*PCTI EDT Server API Specification v2.5.1*](#)

For those using the EDT Folder Monitor, it should be read in conjunction with [*PCTI EDT Server Folder Monitor Guide*](#)

Required Reference Material

PCTI EDT Server API Specification

http://www.pctisolutions.co.uk/resources/xml/EDT_Server_API.pdf

PCTI EDT Document Type Definition (DTD)

http://www.pctisolutions.co.uk/resources/xml/ReportMsg_EDT_03.zip

Sample Message containing an HTML document payload

http://www.pctisolutions.co.uk/resources/xml/edts_sample_htm_edt03.xml

Sample Message containing a binary encoded TIFF document payload

http://www.pctisolutions.co.uk/resources/xml/edts_sample_enctif_edt03.xml

Overview

The message is a “kettering-style” XML message containing patient, document and event metadata as well as the actual document “payload” within a CDATA text block.

The text block can contain formatted html, plain text, rich text format or a binary encoded document such as a Word Document, TIFF file or PDF. Theoretically it could contain any file type but consideration should be given to the intended GP recipient who can generally only view the types of files listed above. Furthermore, only certain file types are acceptable to GP2GP process in England.

The basic Kettering structure has been retained with new elements added to fill in any missing data items or give clarity to certain concepts (e.g. *Parties* has been added to replace *AgentsDirectory*)

New in revision 3 of the specification is the ability to send coded items such as read codes with the intention that they are reviewed by the receiving practice and added to the patients record in the clinical system.

It is expected that the supplied Kettering DTD is used to validate the XML prior to submitting the XML to EDT. XML that fails validation will be rejected by the application.

Document Content

The DTD specifies far more content than is required for EDT. The list below describes those elements that are required to pass DTD and/or application level validation. Any maximum size constraints are shown.

Please see the sample messages for example content.

Message Header

```
<?xml version="1.0" encoding="iso-8859-1"?>
<!DOCTYPE ReportMsg SYSTEM "ReportMsg_EDT_03.dtd">
```

Header is always required in this format. The dtd name may alter but in all cases will be backwards compatible with the major version of EDT Server.

Root Element

```
<ReportMsg MsgStatus="Live" MsgUrgency="Normal" MsgRcptAckRequest="Always">
```

Setting *MsgUrgency* to "High" causes the document to be flagged as urgent in the GP application.

The *MsgStatus* and *MsgRcptAckRequest* are currently not used by EDT server although they are both required by the DTD

Message Identification

<MsgId>

Content Description	The internal message id (not the document id nor to be confused with the ReportID described later)
Expected Type	String
Required	Yes

<MsgIssueDate>

Content Description	The date the message was prepared
Expected Type	yyyymmddhhmm
Maximum Size	14 (Please note that the API will allow 14 characters but will be formatted to 12)
Required	Yes

< MsgSender >

Content Description	The name or ID of the system that prepared the message
Expected Type	String
Required	Yes

< MsgRecipient >

Content Description	The name or ID of the system that is the intended recipient
Expected Type	String
Required	Yes

Service Definition

```
<ServiceRequester><IdValue>1</IdValue>/ServiceRequester>
<ServiceProvider><IdValue>2</IdValue></ServiceProvider>
```

The *IdValue* relates to the *AgentId* attribute in the party element. An typical example would be Hospital to GP communication where 1 represents the receiving party (the GP practice), 2 represents the sending party (the Hospital).

*Patient Matching***<PatientMatchingInfo><PatientId>****<Id><IdType>**

Content Description	"Nhs" or "CHI" (latter used in Scotland only)
Expected Type	String
Maximum Size	3
Required	Yes (by EDT, No by DTD)

Please note case sensitivity of "Nhs" and "CHI".

Whilst it is not recommended (since it will prevent auto-patient matching by the practice), if you are unable to supply an Nhs number, please specify a dummy value of ten 9's e.g. "9999999999". There is no such bypass for CHI number since this is derived from the patients Date of Birth.

<Id><IdValue>

Content Description	A valid NHS Number or CHI Number
Expected Type	String
Required	Yes



<PatientMatchingInfo><PersonName_s>

<PersonNameType>

Content Description	"CU"
Expected Type	String
Maximum Size	2
Required	Yes

The DTD describes other names although in patient matching context, the GP application will require current name in order to make a patient match

<StructPersonName><FamilyName>

Content Description	Surname
Expected Type	String
Maximum Size	50
Required	Yes

<StructPersonName><GivenName>

Content Description	Forename
Expected Type	String
Maximum Size	50
Required	Yes

<StructPersonName><BirthDate>

Content Description	Patients Date of Birth
Expected Type	yyyymmdd
Maximum Size	8
Required	Yes

<StructPersonName><Sex>

Content Description	"1" (Male) or "2" (Female)
Expected Type	Integer
Maximum Size	1
Required	No

<Parties>

This element replaces "AgentsDirectory" with a simple structure which clearly defines the sending and receiving parties. AgentId attributes relate to the service definition values (ServiceRequester and ServiceProvider)

<Party AgentId="1">

Attribute Description	Indicates element is the Recipient (assuming ServiceRequester/IdValue=1)
Expected Type	String
Required	Yes

<HcpCode IdType="GP">

Content Description	GP's GMC Code
Expected Type	String
Maximum Size	15
Required	No

<HcpName>

Content Description	GP's Descriptive Name
Expected Type	String
Maximum Size	255
Required	Yes (by DTD, No by EDT)

<OrgCode IdType="Practice">

Content Description	Practice NACS code
Expected Type	String
Maximum Size	10
Required	Yes

<OrgName>

Content Description	Practice Descriptive Name
Expected Type	String
Required	No

<LogicalAddress>

Content Description	Unique Logical Address for End Point
Expected Type	String
Required	No

<Party AgentId="2">

Attribute Description	Indicates element is the Sender (assuming ServiceProvider/IdValue=2)
Expected Type	String
Required	Yes

<HcpCode IdType="Specialist">

Attribute Description	"Internal" or "Specialist"
Expected Type	String
Required	No

If sender is a junior, then IdType will be Internal and BossCode/BossName elements will be present.

<HcpCode>

Content Description	Clinician Code
Expected Type	String
Required	No

If sender is a junior, record the juniors code here and the responsible clinical code in <BossCode>.

<HcpName>

Content Description	Clinician Descriptive Name
Expected Type	String
Maximum Size	255
Required	Yes (No if BossName <u>is</u> specified)

If sender is a junior, record the junior clinicians name here and responsible clinicians name in <BossName>.

<BossCode IdType="Specialist">

Content Description	Clinician Code
Expected Type	String
Required	No

Only required if HcpCode/HcpName are juniors

<BossName>

Content Description	Clinician Descriptive Name
Expected Type	String
Maximum Size	255
Required	No (Yes if HcpName <u>is</u> a junior)

Only required if HcpCode/HcpName are juniors



<DepartmentCode IdType="Internal">

Content Description	Internal Department Code
Expected Type	String
Required	No

<DepartmentName>

Content Description	Name of Sending Department
Expected Type	String
Maximum Size	255
Required	Yes

It is important that DepartmentName is completed as this aids practice filing against pre-configured department list.

<OrgCode IdType="Provider">

Content Description	Service Provider NACS code
Expected Type	String
Required	Yes (by DTD, No by EDT)

<OrgName>

Content Description	Service Provider Descriptive Name
Expected Type	String
Maximum Size	255
Required	Yes (unless EDT Server is configured to override)

Whilst organisation name is technically not mandatory for the message, EDT Server requires it if a default Organisation is not configured (which is the default setting).

*Document Information***<ClinicalReport>**

This element contains the majority of additional information that is not present in a standard Kettering ReportMsg message.

<ReportID>

Content Description	Unique Document ID
Expected Type	String (recommend a GUID)
Maximum Size	50
Required	Yes

This value must be unique and is used for document tracking. EDT Server will not accept a duplicate ReportID unless an old version's document status has been marked as "DeletedBySender"

<ReportType>

Content Description	Description of the Document eg Discharge Summary
Expected Type	String
Maximum Size	255
Required	Yes

<ReportCode>

Content Description	Optional short description or locally defined code relating to the Document Type (eg DISCH, OUTP)
Expected Type	String
Maximum Size	15
Required	No

<ReportSourceType>

Content Description	ID of "Document Source Type" defined in EDT Server
Expected Type	Integer
Maximum Size	4
Required	Yes

A Document Source Type is allocated to each category of document held in EDT server. This is typically an ID per department. In order to obtain the relevant ID, use the API method EDT_GetSourceTypes.

<ReportContributor>

Content Description	Descriptive Name of Person who Typed Letter
Expected Type	String
Maximum Size	255
Required	No

<EventDate>

Content Description	Date of the Clinical Event (eg Date Seen or Start of Admission if used in conjunction with EventDateFinish)
Expected Type	yyyymmddhhmm or yyyymmdd
Maximum Size	14 or 8 (Please note that the API will allow 14 characters but will be formatted to 12)
Required	Yes (by EDT No by DTD)

<EventDateEnd>

Content Description	Date of end of Clinical Activity (eg End of stay)
Expected Type	yyyymmddhhmm or yyyymmdd
Maximum Size	14 or 8 (Please note that the API will allow 14 characters but will be formatted to 12)
Required	No

<DocCreationDate>

Content Description	Date Document Created
Expected Type	yyyymmddhhmm or yyyymmdd
Maximum Size	14 or 8 (Please note that the API will allow 14 characters but will be formatted to 12)
Required	Yes (by EDT No by DTD)

Reporting Information

<ReportingInformation>

This element contains additional information that is not present in a standard Kettering ReportMsg message. This element may be omitted although it is recommended as it provides useful information to the GP.

<ReportingReason>

Content Description	Indicates reason for communication ie followup (FU) or new treatment (NEW)
Expected Type	String
Maximum Size	3
Required	No

<ReportingReferenceNumber>

Content Description	A business reference to track activity e.g. the Purchase Order Number used by commissioner
Expected Type	String
Maximum Size	255
Required	No

<ActionRequested>

Content Description	Sender has indicated that action is required by the receiving GP (eg Y or N)
Expected Type	String
Maximum Size	1
Required	No

<MedicationChanged>

Content Description	An alert that indicates a patients' medication has changed as a result of this communication (eg Y or N)
Expected Type	String
Maximum Size	1
Required	No

<CodedData>

This element contains additional information that is not present in a standard Lettering ReportMsg message. This element may be omitted.

<ClinicalCode Type="Read" Schema="2">

Attribute Description	Indicates type of clinical codes used in this element
Expected Type	String
Required	Yes

<TermID>

Content Description	ID of specific term being used
Expected Type	String
Maximum Size	10
Required	No

<Term30>

Content Description	Term if less than or equal to 30 characters in length
Expected Type	String
Maximum Size	30
Required	Yes (omit if Term60 present)

<Term60>

Content Description	Term if greater than 30 characters in length
Expected Type	String
Maximum Size	60
Required	Yes (omit if Term30 present)

<CodeName>

Content Description	Actual code name (eg 339g.)
Expected Type	String
Maximum Size	10
Required	Yes

<Value1>

Content Description	Associated numeric value
Expected Type	String
Maximum Size	10
Required	No

<Unit1>

Content Description	Measurement Type Used in Value1
Expected Type	String
Maximum Size	10
Required	No

Document Content

```
<TextItem RcStatus="Current">
  <Cuid IdScope="Message"/>
  <TextMarkupIndicator>-//IETF//DTD HTML//EN</TextMarkupIndicator>
  .
  .
```

TextItem element is always required in this format.

<TextBlock>

Content Description	Document Content
Expected Type	CDATA Text or B64 Encoded Content
Maximum Size	12
Required	Yes (by EDT No by DTD)