



# 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](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](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](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](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>

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

#### <MsgIssueDate>

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

**< MsgSender >**

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

**< MsgRecipient >**

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

*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>**

<b>Content Description</b>	"Nhs" or "CHI" (latter used in Scotland only)
<b>Expected Type</b>	String
<b>Maximum Size</b>	3
<b>Required</b>	<b>Yes</b> (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>**

<b>Content Description</b>	A valid NHS Number or CHI Number
<b>Expected Type</b>	String
<b>Required</b>	<b>Yes</b>



## <PatientMatchingInfo><PersonName\_s>

### <PersonNameType>

<b>Content Description</b>	"CU"
<b>Expected Type</b>	String
<b>Maximum Size</b>	2
<b>Required</b>	<b>Yes</b>

*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>

<b>Content Description</b>	Surname
<b>Expected Type</b>	String
<b>Maximum Size</b>	50
<b>Required</b>	<b>Yes</b>

### <StructPersonName><GivenName>

<b>Content Description</b>	Forename
<b>Expected Type</b>	String
<b>Maximum Size</b>	50
<b>Required</b>	<b>Yes</b>

### <StructPersonName><BirthDate>

<b>Content Description</b>	Patients Date of Birth
<b>Expected Type</b>	yyyymmdd
<b>Maximum Size</b>	8
<b>Required</b>	<b>Yes</b>

### <StructPersonName><Sex>

<b>Content Description</b>	"1" (Male) or "2" (Female)
<b>Expected Type</b>	Integer
<b>Maximum Size</b>	1
<b>Required</b>	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">**

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

**<HcpCode IdType="GP">**

<b>Content Description</b>	GP's GMC Code
<b>Expected Type</b>	String
<b>Maximum Size</b>	15
<b>Required</b>	No

**<HcpName>**

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

**<OrgCode IdType="Practice">**

<b>Content Description</b>	Practice NACS code
<b>Expected Type</b>	String
<b>Maximum Size</b>	10
<b>Required</b>	<b>Yes</b>

**<OrgName>**

<b>Content Description</b>	Practice Descriptive Name
<b>Expected Type</b>	String
<b>Required</b>	No

**<LogicalAddress>**

<b>Content Description</b>	Unique Logical Address for End Point
<b>Expected Type</b>	String
<b>Required</b>	No



**<Party AgentId="2">**

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

**<HcpCode IdType="Specialist">**

<b>Attribute Description</b>	"Internal" or "Specialist"
<b>Expected Type</b>	String
<b>Required</b>	No

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

**<HcpCode>**

<b>Content Description</b>	Clinician Code
<b>Expected Type</b>	String
<b>Required</b>	No

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

**<HcpName>**

<b>Content Description</b>	Clinician Descriptive Name
<b>Expected Type</b>	String
<b>Maximum Size</b>	255
<b>Required</b>	<b>Yes</b> (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">**

<b>Content Description</b>	Clinician Code
<b>Expected Type</b>	String
<b>Required</b>	No

*Only required if HcpCode/HcpName are juniors*

**<BossName>**

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

*Only required if HcpCode/HcpName are juniors*



**<DepartmentCode IdType="Internal">**

<b>Content Description</b>	Internal Department Code
<b>Expected Type</b>	String
<b>Required</b>	No

**<DepartmentName>**

<b>Content Description</b>	Name of Sending Department
<b>Expected Type</b>	String
<b>Maximum Size</b>	255
<b>Required</b>	<b>Yes</b>

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

**<OrgCode IdType="Provider">**

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

**<OrgName>**

<b>Content Description</b>	Service Provider Descriptive Name
<b>Expected Type</b>	String
<b>Maximum Size</b>	255
<b>Required</b>	<b>Yes</b> (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>**

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

*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>**

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

**<ReportCode>**

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

**<ReportSourceType>**

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

*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>**

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

**<EventDate>**

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

**<EventDateEnd>**

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

**<DocCreationDate>**

<b>Content Description</b>	Date Document Created
<b>Expected Type</b>	yyyymmddhhmm or yyyymmdd
<b>Maximum Size</b>	14 or 8 (Please note that the API will allow 14 characters but will be formatted to 12)
<b>Required</b>	<b>Yes</b> (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>

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

#### <ReportingReferenceNumber>

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

#### <ActionRequested>

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

#### <MedicationChanged>

<b>Content Description</b>	An alert that indicates a patients' medication has changed as a result of this communication (eg Y or N)
<b>Expected Type</b>	String
<b>Maximum Size</b>	1
<b>Required</b>	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">**

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

**<TermID>**

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

**<Term30>**

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

**<Term60>**

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

**<CodeName>**

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

**<Value1>**

<b>Content Description</b>	Associated numeric value
<b>Expected Type</b>	String
<b>Maximum Size</b>	10
<b>Required</b>	No

**<Unit1>**

<b>Content Description</b>	Measurement Type Used in Value1
<b>Expected Type</b>	String
<b>Maximum Size</b>	10
<b>Required</b>	No

*Document Content*

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

*TextItem element is always required in this format.*

**<TextBlock>**

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