

Requirements for Electronic Records Management Systems

2: Metadata Standard

2002 revision: final version

Requirements for Electronic Records Management Systems

1: Functional Requirements

2: Metadata Standard

- 3: Reference Document
- 4: Implementation Guide

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2. Metadata Standard

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Summary

This *Metadata standard* should be read in conjunction with the accompanying series on *Requirements for electronic records management systems* and particularly the first volume, *Functional requirements*. The references to metadata in the requirements are spread throughout the latter document with explicit sets of metadata requirements in sections A.1 & A.2. References to the *Functional requirements* contained in this *Metadata standard* are not exhaustive but are aimed at linking the most relevant and important points between the two.

A flat listing of the metadata contained in this Standard appears in the accompanying *Reference document*. This presentation may be more useful to systems suppliers and integrators.

To comply fully with the *Functional requirements*, suppliers will need to produce systems that can export record metadata in the XML schema that will follow the final version of this Standard and provide comprehensive management information in response to reporting functionality specified in the requirements. This is essential to ensure compliance with the e-Government Interoperability Framework (e-GIF)¹. The metadata specified is also required to support the functionality in the *Functional Requirements*.

The Office of the e-Envoy and the Public Record Office have agreed that this Standard will be incorporated into the e-Government Metadata Standard

Audience

The intended audience is information managers and information technology managers in UK central government and the software supplier / integrator community².

Working group

It has been produced by the Public Record Office in consultation with a working group with representation from the following organisations:

Office of the e-Envoy
HM Customs and Excise
Department of Trade and Industry
Department for Transport, Local Government and the Regions
Department of Health
Lord Chancellor's Department
Ministry of Defence
National Archives of Scotland
National Assembly for Wales
Scottish Parliament
Cornwell Management Consultants plc.

The PRO will, in consultation with the Office of the e-Envoy, be developing an XML schema to support the exchange of records management metadata in accordance with this Standard

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¹ References are listed in the accompanying *Reference document*

² Both documents have been produced with the needs of central government departments and agencies in mind and other organisations should remember their own business requirements may be different

Section 1: Introduction to records management metadata: what is 'Metadata'?

Metadata is usually defined literally, as 'data about data'. From its early usage to denote the field labels of flat file databases, it has acquired new meanings in information and information technology management that are somewhat context-dependent.

In the library and information management field, it is used for information describing a resource in many of the ways associated in the past with bibliographical referencing: author, subject, position in a pre-defined subject classification scheme are obvious examples. It also has the capability to support more sophisticated ways of managing and distributing information that are often given such labels as knowledge management and information resource management.

Metadata and the management of electronic records

The most important characteristic of electronic records management metadata is, that it is what gives an electronic record its 'record-ness'.

ISO 15489 (paragraph 7.2) gives the general characteristics of a record as: 'a record should correctly reflect what was communicated or decided or what action was taken. It should be able to support the needs of the business to which it relates and be used for accountability purposes'. The consequent definition of metadata given in ISO 15489 runs: 'data describing context, content and structure of records and their management through time'.

One of the principal properties of an electronic document (as opposed to an electronic *record*) is that it can readily be edited. Preventing this from happening to records where it should not and auditing where it *has* apparently happened are vital issues.

Where properly implemented, records management metadata does this by:

- supporting record retrieval;
- supporting the wide range of records management processes in the *Functional* requirements:
- establishing the provenance of the record (ISO 15489 describes this as 'the context in
 which the record was created, received and used should be apparent in the record,
 including the business process of which the transaction is part, the date and time of
 the transaction and the participants in the transaction)';
- showing whether the record's integrity is intact (e.g. it has not been subject to changes after being fixed as [or 'declared'] a final record)³;
- 'demonstrating that the links between documents, held separately but combining to make up a record, are present'⁴;
- demonstrating that the relationships between separate **records** are present;
- providing essential information to support interoperability / sustainability of the record between platforms and across time and technological platforms⁵.

³ Essentially what happens at record 'declaration' is that the content and most of the applicable metadata is fixed as it is at that point and cannot be changed. ISO 15489 again: 'the structure of a record, that is, its format and the relationships between the elements forming the record, should remain intact'. One is left to infer 'to an appropriate evidential level'

⁴ Quoted directly from ISO 15489: arguably, this is an issue of provenance and integrity, but one of so much importance as to merit this promotion to a point in its own right. Certainly, the importance of aggregation levels to the metadata requirements that are to follow would be difficult to overestimate; see **element 10**

⁵ i.e. the migration approach, rather that of the computer museum or emulation being the expected norm for e-preservation (ISO 15489 is format independent and would not be expected to tackle this electronic records issue directly)

Aggregation levels: at part, folder and fileplan level

Record metadata should be dependent (in part) on its relation to business process. If a folder or folder part contains the records of that business transaction, then there will be metadata elements in common that the constituents should share.

Declaration of a document as a record and entering it into a container (i.e. 'filing' it into a folder) is analogous to associating it with the relevant part of the corporate information structure (fileplan). It therefore follows that this operation should lead to the generation of some of the record metadata by carrying it through from the folder metadata.

This effectively automates the application of those metadata elements, embedding them at the same time into the business processes that creates and captures the records. Providing the correct container is selected, the metadata will be consistently applied. The logic of this also applies higher up the fileplan structure, with folders inheriting relevant element values from their 'parent' objects.

Inheritance principle, 'explicit' and 'tacit' metadata

The Public Record Office requires⁶ that public sector records management is implemented by associating individual records with others that form a part of the same transaction or theme (or related group of transactions) by entering into a point in a corporate information structure or fileplan. This has the advantage of supporting accountability, for example through judicial review of the process (and the information available at the time) by which a decision was reached.

The folder level is the primary aggregation used to support this (see below). As explained in the *Functional requirements*, many attributes of fileplan objects described in the metadata are populated by the principle and functionality of inheritance from the higher object to the lower⁷. There are other important advantages to this, for example the ordered management of retention and disposal can be achieved by the assignment of a retention period based on the business need for the records and appearing in a retention schedule. It also permits a pragmatic approach to consistent metadata application.

The inheritance principle (*Functional requirements* A.1.20 – A.1.24, A.1.29 – A.1.36 and A.1.56) means that a substantial amount of metadata at any aggregation level is usually inherited from the level(s) above.

It is important to distinguish in planning an implementation where these inherit**ed** values are either:

- part of the metadata of the inheriting object; or
- where they only subsist at the higher level of aggregation and will be used to trigger lifecycle events on the inheriting objects (14. Disposal.schedule identifier is the obvious example) through the operation of the ERMS.

Nearly all of the metadata is specifically required to be held in a tightly-bound relationship with the fileplan entities as indicated in the element descriptions, the exceptions being where sub-elements of **13. Rights** and **14. Disposal** are inherited from a higher level in the fileplan in accordance with the inheritance principle (see above) and may, in some solutions, only be held at that higher level.

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⁶ ERM policy framework; Management, appraisal and preservation of electronic records Vol. 1: Principles, see also Functional requirements

⁷ Except where this principle is specifically overridden at a lower level as described in *Functional requirements* A.1.23 and A.1.35

The exact technical solution in place will determine which is the case⁸. Functional requirements A.7.8 – A.7.11 (Reporting) are drawn to the attention of suppliers and departments as clarifying what systems that do not hold the specified metadata individually with every entity as well as the requirement to be able to extract management information as well as export in accordance with this standard and the XML Schema to be developed following it (Functional requirements A.4.50 – A.4.63).

This Standard, in conjunction with the *Functional requirements*, clarifies at what level metadata is to be applied to demonstrate this inheritance principle.

Note on preservation issues

This Standard indicates, for the first time, some metadata at the component level (i.e. a level below that of the individual record and consisting of the single physical object (i.e. the smallest level of granularity the operating system can handle - MS-DOS or UNIX file level). This is the first phase of extending PRO guidance on metadata into the areas of sustainability and preservation of business records within departments. This Standard needs to be extensible to allow for these developments to follow.

The result of this – **16. Preservation** ¹⁰ is a marker that is being put down at this stage to flag up an area that will be returned to during the current year (2002-03)¹¹. It is expected that the definition of requirements and accompanying metadata for sustaining records in departments for periods of up to 70 years¹² as well as permanent preservation in the national archives will lead to additions to this area of the metadata framework. It is important that this *Standard* has the extensibility to accommodate these. However, this does not form part of the metadata required for current records management using the present *Functional requirements*.

Recommendation

The PRO and the Office of the e-Envoy have agreed that this *Standard* and the e-GMS are aligned and the e-GMS will be incorporating this records management standard and its elements at its next revision¹³. Compliance with this standard satisfies the requirements of the e-GMS for material comprising formal electronic records.

The 17 elements and their sub-elements are necessary to support the cross-government *Functional requirements* for effective electronic records management in UK central government.

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⁸ i.e. some may choose to capture the inherited metadata at every level of aggregation ('explicit' metadata), cascading them down from the parent . In others, the metadata only exists 'tacitly', meaning that it is applied and held bound to a higher level in the fileplan and only directly relevant to the subordinate objects when certain processes are run in the ERMS (e.g. export, access is sought to particular records, disposal of records falls due, reporting).

⁹ A separate workstream – establishing the metadata required for the permanent preservation of electronic records in the national archive – is expected to be broadly consistent with the output of this work

¹⁰ Element **16. Preservation** does not (at the present) have any implications for ERMS functionality

¹¹ It is important for the implementation of the XML schema that will follow this Standard that these areas are outlined now within the overall framework to avoid radical changes to retrofit these later

¹² for *business* rather than historical purposes: e.g. personnel or health and safety records

¹³ as implied in the details highlighted in the 'e-GMS mapping' sections of individual elements **10. Aggregation** and **17. Mandate**

Section 2: Records management elements

The remainder of this document contains explanation of the records management metadata elements themselves with particular points explaining their source, application, obligation level and significance. For ease of reference, the elements are listed below:

- 1. Identifier
- 2. Title
- 3. Subject
- 4. Description
- 5. Creator
- 6. Date
- 7. Addressee
- 8. Record type
- 9. Relation
- 10. Aggregation
- 11. Language
- 12. Location
- 13. Rights
- 14. Disposal
- 15. Digital signature*
- 16. Preservation*
- 17. Mandate

A tabular format is used for each element, varied only very slightly to impart the relevant information for individual elements. The following table includes all the categories involved and explains how the table for each element expresses the information.

^{*}Note: elements 15. Digital signature and 16. Preservation are under development

Definition	The brief de	efinition of the el	ement				
Purpose	The brief definition of the element The purpose of the element						
Rationale	The reason Standard ar	The reason behind the element (i.e. its function within the records management Standard and link to ERMS functionality) if explanation of this is required beyond that given under <i>purpose</i>					
Obligation	Whether ma	andatory or option	onal in accordance	with this <i>Standard</i>			
Aggregation level	At what level component		ion the element is u	used (i.e. class, fo	lder, part, record,		
Use conditions		ement is to be us schemes and co	sed. This is picked omments	up in detail in the	following fields,		
Repeatable	the same of	bject	be more than one				
Sub-elements	possible for t	his element ¹⁴ or tl	b-elements (broadly enter same sub-element blowed in the Standard	t. Where there are,	ments in the e-GMS) the field is subdivided		
	Sub- element	Aggregation level	Obligation	Source	Encoding schemes		
	Sub- element name	Level of aggregation where it applies	Mandatory, Recommended or Optional	Whether system or user derived	Any encoding scheme is use for this sub-element		
Assigned values		cheme for this el			presents the unique es in the <i>Functional</i>		
Default value		if any) that shou ant capture med	ld be inserted as a chanism	default if no other	value is specified		
Source	Whence the value for this element is derived. This will typically be from the operating system, the ERMS or the authoring software of the document being declared as a record at the point of declaration (or a combination of these). It may also be inherited from a higher level of aggregation. Occasionally, user definition will be indicated (e.g. record <i>Title</i>) This field will clarify when the user would typically select from a pick list (enforced as						
	an encoding scheme) within the ERMS, integrated with it or from other busing rules At higher levels of the fileplan (class level) 'user definition' may mean						
	administrator function rather than the normal end user. This is clarified in the Source field for the individual elements, where applicable						
Schemes	The encoding scheme (or list of possible values) used as business rules for populating this field. These may be implemented as pick lists in the ERMS itself or present in some other form.						
Comments	Any comments which are required to clarify aspects of the element which do not fit into other categories						
Example(s)	Example(s) of how the element might be populated in use						
e-GMS mapping	e-GMS Equivalent elements in the e-GMS						

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The term 'Sub-element' is preferred to 'Refinement' (employed in the e-GMS) as it lends itself more readily to being understood in the alternative view of the same Standard ordered by aggregation level (see Reference document) and is the terminology used by other records management metadata standards. However, they are broadly equivalent.

1. Identifier

Definition	Unique identifier for an object, either on the fileplan or within the system, be it						
Purpose	an individual record (declared document) or an aggregation of records The unique identifier is a code (potentially any combination of numeric and						
l dipose	alphabetical values) distinguishing an object from others						
Rationale	The System ID (sub-element 1) is for the purposes of the internal processes of the ERMS (including the underlying database repository) and will rarely, if ever, be visible to the end user, although it can be a useful tool for administrators accessing other information about the fileplan object (e.g. interrogating the audit trail).						
	 The Fileplan ID (sub-element 2) is the reference derived from the fileplan. This is a cumulation of information inherited from higher levels of aggregation in the fileplan as required in Functional requirement A.1.14, according to the following rationale: The branches of the fileplan at each level will possess a code according to the logic of the classification scheme in use; In an hierarchical scheme, these codes will cumulate with those existing above them in the fileplan so that the fileplan ID is a reference consisting of a combination of the references above, plus an identifier for the object itself (class, folder and part level); This information will be applied automatically to descendant objects, though not normally below part level (the only identifier below part level is likely to be the UID unless some form of sequence number within the 						
Obligation	System ID is N	/ part is implement Mandatory at all lev mandatory at Class	els (Functional		3)		
Aggregation level	Record (A.2.49), part, folder and class levels						
Use conditions	-						
Repeatable	No	1	1		_		
Sub-elements		Aggregation level	Obligation	Source	Scheme		
	1. System ID	Class, folder, part and record level	Mandatory	System defined	System		
	2. Fileplan ID Class, folder and part level Mandatory except at the highest class level [see Rationale]						
Default value	None						
Source	See sub-eleme		anta\				
Schemes	System or fileplan (see sub-elements)						
Examples	[Sub-element 1: The format and appearance of system IDs are system specific]. Sub-element 2: If an area of a hierachical fileplan concerned with Data Protection issues (under a code 'DTZ'), at the next level regional office notifications under DPA are coded '004' and the identifier for the West Midlands region '047', the fileplan ID of the second folder part in this case						
e-GMS mapping	would be 'DTZ Identifier (dire						

2. Title

Definition	The title given to the record, folder or class		
Purpose	To assist in identification, including for retrieval purposes		
Rationale	Selection of a meaningful title, i.e. one that gives relevant information about the content as an information resource or its significance in a business process		
Obligation	Mandatory		
Aggregation Class, Folder and Record level			
Use conditions	Title can be implemented as either a natural or controlled language equivalent of the Fileplan ID where that is the naming convention in force. Thus at fileplan level, Title will be an identifier to distinguish the branches of the fileplan. As with fileplan identifier codes, where a hierarchical scheme is in use they <i>may</i> be deemed to cumulate down the hierarchy with each level picking up the title attributes of their superior objects (as in the example below and <i>Functional requirements</i> A.1.20 & A.1.36)		
Danastable	At record level it is far more likely to be implemented as a freetext title No		
Repeatable Sub-elements			
	No.		
Default value	None		
Source	User defined unless default capture is implemented through the document management environment		
Schemes	Organisational (fileplan) naming conventions		
Comments	Users will often have to specify record titles with a view to their use as a retrieval aid by themselves or other users. This needs to be informed by organisational naming conventions. Alternatively, title can be either a natural or controlled language equivalent of the Fileplan ID.		
	Capture of some documents as records will lead to the population of title fields in record metadata from mapped fields in the document, e.g. email subject lines.		
	These defaults should not <i>necessarily</i> be accepted unless the title line is both appropriate and useful (<i>Requirements</i> A.2.16 – A.2.17). Care needs to be exercised in declaring forwarded emails as there is a danger that a number of records could be saved with undistinguishable titles as a result. This would deprive users of a useful means of distinguishing them, especially where the discussion contained in the string has shifted in its emphasis and could be more precisely described		
Examples	[Class level]: Policy - Criminal justice - youth custody - residential facilities. See also examples in Functional requirements A.1		
e-GMS mapping	Title direct equivalent (apart from details of application: see <i>Comments</i>)		

3. **Subject**

Definition	Keywords or phrases describing the subject content of the resource
Purpose	Providing a more structured retrieval aid to searching than can be achieved with Title
Rationale	see purpose
Obligation	Optional (Recommended at folder and class levels of aggregation ¹⁵)
Aggregation level	Potentially applies at any level of aggregation (raising system configuration issues not covered in the <i>Functional requirements</i>), but especially at record and folder level
Use conditions	Terms that most precisely and specifically define the subject area should be used (i.e. excluding more general terms)
Repeatable	Yes
Sub-elements	-
Default value	None
Source	User defined
Schemes	Local thesaurus if in use, other controlled subject lists (e.g. Government Category Lists could be implemented as a default at class level): Functional requirement A.1.24
Comments	Departments where organisational policies require the use of a thesaurus will wish this to be mandatory in their ERMS
Examples	-
e-GMS mapping	Subject direct equivalent

 $^{^{15}}$ the ability to support the capture of this metadata in system functionality is a mandatory *Functional requirement*, see A.1.36 and A.2.33

4. Description

Definition	Freetext description of the resource
	·
Purpose	Provides additional detail that may be more helpful to some users than Subject, Title, Fileplan ID and UID when searching
Rationale	see purpose
Obligation	Optional
Aggregation level	Potentially applicable at any level of aggregation (raising system configuration issues not fully covered in the <i>Functional requirements</i>), but especially at record and folder level. Support for the functionality is mandatory at <i>Functional requirement</i> A.1.38
Use conditions	To be useful, descriptions need to be brief as a user may be browsing through a list of search results only showing the first part of the text. There is no point in merely duplicating the information captured in the Subject element as this adds no value
Repeatable	Yes
Sub-elements	-
Default value	None
Source	User defined
Schemes	Organisational naming conventions and guidance may be in force
Comments	-
Examples	At record level: Case papers disclosed to the defence
	Alternatively the document summary could form the description
	At class level, a scoping note could be added for the description
e-GMS mapping	Description direct equivalent

5. Creator

Definition	The person responsible for the content of the resource up to the point of declaration as a record				
Purpose	Identifying the individual(s) and/or organisation(s) responsible for the intellectual content of the record				
Rationale	Establishment of an important aspect of the context of the record; correspondence with resource discovery framework of e-GMS				
Obligation	Mandatory (if available for externally generated records: see use conditions)				
Aggregation level	Record level				
Use conditions	 Availability of creator information (as defined from the document creation / management environment) will operate in different ways according to business rules and the technology in place 				
	 At the point of declaration of the document as a record, this information needs already to be present by these processes and will be finalised at this point 				
	For material received from outside the organisation, the Creator organisation may be the only available information except in the case of emails where the transmission information should include the sender				
Repeatable	Yes				
Sub-elements	-				
Default value	-				
Source	Login of user in native [i.e. authoring] application [ultimately derived from the operating system] or document management software may be implemented as a default. However, there will be circumstances (e.g. collaborative working scenarios) where this will require amendment to some other person who is responsible for the content of the record resource (<i>Functional requirement</i> A.2.40 ¹⁶). For example, where a secretary has begun the drafting of a document for the authorization of a colleague, it is the colleague who needs to be identified as the creator				
Schemes	-				
Comments	The value for this element will not always be the same as the person responsible for the <i>declaration</i> of the resource as a record. In an ERMS compliant with the <i>Functional requirements</i> much contextual information on the provenance of the records will already be present in metadata, information structure and content				
Examples	-				
e-GMS mapping	Creator equivalent (albeit the refinement Contact does not apply and Contributor has essentially a document management application)				

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¹⁶ This should not however be possible for emails (see email mapping in *Reference document*)

6. Date

Definition	Date (and <u>time</u>) an important lifecycle event occurred to a resource excluding disposal events which are sub-elements of 14 . Disposal					
Purpose		nts for information and ev sion date and time)	vidential purposes (a	and in the case of		
Rationale		y ERMS processes use d y to pre-defined business		other events (e.g.		
Obligation	Mandatory					
Aggregation level	See sub-elements					
Use conditions	-					
Repeatable	No					
Sub-elements	Name	Obligation	Aggregation level	Source		
	1. Date.Created	Mandatory for all internally generated records	Record level	Document management environment		
	2. Date.Acquired	Mandatory for email (A.2.44), optional for other records but recommended for all externally produced material	Record level	System generated for email, user defined for other records		
	3. Date.Declared	Mandatory (A.2.13 & A.2.45)	Record level	ERMS		
	4. Date.Opened	Mandatory	Folder level [A.1.39 – A.1.40]	User defined		
	5. Date.Closed	Mandatory (optional at class level)	Folder and part level [A.1.59-60, A.1.41-44, A.1.7]	User defined		
	6. Date.cut-off	Optional	Part level	According to business rules implemented at integration stage – Functional requirement A.1.60		
Default value	-					
Source	Date.Created is applied to an individual record automatically from an authoring application (e.g. email client, word processing application) and Date.Acquired from the email client (see email mapping in the <i>Reference document</i>)					
	Date.Opened and Date.Closed are generated by an authorized user applying the current [server] date with the proviso that Functional requirement A.1.39 specifies the ability for an authorized user to have the option of altering Date.Opened on entering the first contents into the container					
Schemes	standards catalogu	W3c / ISO / Office of the electric (see <i>Requirement</i> A.2.4	48)	ernment data		
	Max 10 characters for date in the format CCYY-MM-DD Max 6 characters for time in the format hh:mm:ss					
Comments	[See also Disposal for disposal date elements] Date.Declared is one of the principal events in the life of an electronic record without which its integrity and record value is in doubt.					

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	It is the point at which the record came under the full records management control of the ERMS (<i>Functional requirements</i> A.2.13 & A.2.44. Declaration does this by fixing the content and most of the metadata for accountability, audit, admissibility and other purposes. It is not to be confused with creation of the document (Date.Created) in the document management environment (i.e. <i>prior</i> to its becoming subject to records management system control) Date.Cut-off is a specific event implemented as a business rule in some systems imposing a rigid end point on the aggregation that will be used to calculate effective retention activity from an external event (e.g. FYE, General election) even if later content has been [mis]filed prior to formal closure of the file. This is a discipline used (<i>inter alia</i>) to ensure failure to close folder parts does not frustrate retention policies
Examples	-
e-GMS mapping	A number of e-GMS refinements relate to the document rather than the records management environment: Date.Available , Date.Issued , Date.Modified , Date.Available , Date.Updating frequency , Date.Valid

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7. Addressee

The person (or persons) to whom the record was addressed
Identifying the person(s) the record was dispatched to 17
Important contextual information to assist in the interpretation of the content of the
record
Mandatory for email only (Requirements A.2.45-A.2.47). Optional for other record
types
Record level
In the document management environment, document production functionality may
provide available metadata on addressees / intended recipients that can be
captured automatically on the point of declaration. This may well be implemented
through workflows or templates that treat the addressee information in a highly
structured manner
Yes
-
-
Email client for emails. Document management system / environment for other
records
-
Apart from emails, this is unlikely to be implemented in the absence of document
management / workflow applications – except as a purely user defined field of
information value only. See email mapping in Reference document
-
None. Not to be confused with Audience or Rights.

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¹⁷ This does not provide evidence that the intended person actually received or read it

8. Type

Definition	Type of record that in some respect displays behaviour different from that of the default type (Requirements A.2.26 – A.2.29, A.2.43 and A.4.19 - A.4.21)				
Purpose	Promotion of DPA	compliance			
Rationale	information is requ	uired to be process	visions may dictate t ed for periods short riately stored in the	er than that of the	
Obligation	Mandatory where	applicable			
Aggregation level	Record level				
Use conditions	See comments				
Repeatable	No				
Sub-elements	Name	Aggregation level	Source	Schemes	
	Type.Record type	Record level	User defined unless configured tightly	Organisation's list of record types	
Default value	'default' (see Fund	ctional requirement	A.2.27)		
Source	System generated	1			
Schemes	An organisation's	list of the record ty	pes in use		
Comments	The Functional requirements envisage the scope of Type.Record Type as centering tightly on the need for DPA compliance. The 'default' record type should determine the behaviour of almost all records (disposal behaviour in the event of conflict resolution is explained in Functional requirements A.4.41 and A.4.43) It is expected that the implemented Record Types will overlap with templates implemented in the document management environment				
Examples	In a civil servant's personal file held by personnel functions, the main file will require retention for up to 72 years for superannuation purposes. Annual appraisals, leave records etc., will logically form part of this record and contain personal data but have a more limited useful life and their behaviour in terms of retention needs to follow a different rule from that of the rest of the folder/part				
e-GMS mapping	Type.Record type				

9. Relation

Definition	Identifies insta	nece where a rec	cord has a direct relation	ship with that of another			
Deminion	Identifies instances where a record has a direct relationship with that of another (content or a direct business process relationship) or clarifies how a record at						
	one level of aggregation relates to other levels						
Purpose	Establishing the relationship in metadata to make it explicit and available for						
	automatic proc		motodata to mano it oxp				
Rationale			ement of objects in multi	ple instances through the			
	Inheritance of rules and management of objects in multiple instances through the fileplan are inherent in the <i>Functional requirements</i> . The ERMS needs the ability						
			edaction and assist in the				
		fileplan objects		•			
Obligation	Mandatory who	ere establishing a	and maintaining the relat	ions specified are			
	implemented in the ERMS entirely within the records management environment						
	Looser relational links can be established using sub-element 7 [or other user-						
	defined fields]						
Aggregation level	As shown						
Use	-						
conditions							
Repeatable	Yes	T	1 2 1 11				
Sub-elements	Name	Aggregation level	Obligation	Source			
	1. Copy /	Record level	Mandatory if	ERMS (see Functional			
	pointer		present ¹⁸	requirements A.2.21 –			
				A.2.24, A.2.52 – A.2.54			
	0.01111			and A.4.40)			
	2. Child object	Any	Mandatory	ERMS			
	3. Parent object	Any	Mandatory	ERMS			
	4. Redaction	Record level	Mandatory if	ERMS			
	/ Extract		present ³⁸				
	5. Reason for Record level Mandatory if present User defined						
	redaction /						
	extract						
	6. Rendition	Record level	Mandatory if present ³⁸	ERMS			
	7. 'See also'	Folder and	Optional	User defined			
	relational	record levels					
	links	Faldanlaval	Ontional				
	8. Hybrid	Folder level	Optional	User defined			
	paper folder relational						
	links						
Default value	None	<u>l</u>	1				
Source	See sub-elements						
Schemes	ERMS will enforce either the valid fileplan location or Fileplan ID (through the						
			renditions, redactions of				
	relationships; other sub-elements are user defined						
Comments				d the details of the entity			
	relationship diagram in the Reference document should be noted as important to						
_	the understanding of the operation of this element						
Examples	Redacted version of record UID R0067578x						
	Prime fileplan location ¹⁹ of this record = DTZ/004/047/001 (where pointer						
	functionality implemented)						

¹⁸ Extremely important to assist compliance with Freedom of Information Act 2000 and Data Protection Act 1998 by ensuring that all record instances are identified and managed

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e-GMS	Relation	
mapping	Relation in the records management is normally required to be established in a more controlled manner (and supported by ERMS functionality) than in the document management environment	
	Relation.Child object and Relation.Parent object have direct equivalents in the e-GMS refinements Relation.IsPartOf and Relation.HasPart respectively (terminology differs to avoid confusion between these Dublin Core refinements and the <i>Part</i> entity)	

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Many pointer systems conceptualise one of the instances in the fileplan of the same database object as the prime location, normally the first instance declared. Further information on the requirement which does not assume this to be the technical solution is contained in the Functional requirements

10. Aggregation

	T		
Definition	The unit of measurement used to defi any records management action is ca	ne where in the information hierarchy rried out	
Purpose	To clarify the extent to which actions	can be carried out at different levels	
Rationale	Control of the level at which actions are permitted can be either for administrative convenience (such as taking advantage of inheritance principles to simplify fileplan administration) or to ensure robustness of records capture (association of records with others produced by similar or part of the same business process within a folder or class)		
	This element serves both to denote the level at which a particular entity is being described (see entities in <i>Reference document</i>) and at the same time to act as a 'switch' affecting the metadata that will be applicable according to the value that is present for this element (see example in <i>Comments</i>). Both obligation levels and possible metadata are affected.		
Obligation	Mandatory		
Aggregation level	All levels		
Use conditions	-		
Repeatable	No		
Sub-elements	-		
Assigned	Entity name	Entity definition	
values	Record	See Reference document	
	Marker (record)	u	
	Part	u	
	Marker (folder)	ec .	
	Folder	££	
	Class	tt.	
Default value	None		
Source	Records or system administration role rules for the information object hierard		
Schemes	See Assigned values for the encoding	ng scheme applicable to this element	
Comments	Depending on the value applicable fo other metadata elements can be profedescriptions for details of this.		
	For example, at folder level, this Stan mandatory metadata will be captured		
	1.1 Identifier.System ID		
	1.2 Identifier.Fileplan ID		
	2. Title		
	3. Subject		
	6.4 Date.Opened		
	6.5 Date.Closed		
	9. Relation		
	10. Aggregation		
	13. Rights		
	14. Disposal		

	At record level, the following values are mandatory ²⁰ . It will be observed that this is a quite different element set for the object at this lower level of aggregation: 1.1 Identifier.System ID 2. Title 3. Subject 5. Creator 6.1 Date.Created 6.3 Date.Declared 9. Relation 10. Aggregation 13. Rights
Farancia	14. Disposal
Examples	See Comments for examples of the effects and Assigned values for examples of the values for this element
e-GMS mapping	Expected to map to Aggregation in e-GMS v.2 (Type.Aggregation in e-GMS v.1)

With the proviso that some of the values may be inherited from the higher levels of aggregation as described in Section 1 and the *Functional requirements* and that **1. Identifier.Fileplan ID** may not extend down to record level (see details of element 1)

11. Language

Definition	The language of the intellectual content of the resource
Purpose	Identifying the authoring language of a record for searching or other purposes [see also <i>Comments</i>]
Rationale	[See Purpose]
Obligation	Optional
Aggregation level	Record level
Use conditions	-
Repeatable	No
Sub-elements	None
Default value	English
Source	User defined
Schemes	ISO 639-2/B [as used by e-GMS]
Comments	Potentially useful for promoting Welsh Language Act compliance or recording the existence of incoming foreign language records, perhaps stored with translated equivalent material with the link established using the 9.Relation.See also sub-element (or similar)
Examples	ISO 639-2/B [Eng] for a record in English
	ISO 639-2/B [Cym] for a record in English and Welsh
e-GMS mapping	Language

12. Location

Definition	Physical location			
Purpose	Denoting the exister (plans, boxes, hard		of physical format informa / files, etc.)	tion resources only
Rationale	Revealing the existence of physical or hybrid folders or metadata markers for individual records within the ERMS to support information retrieval in a hybrid media environment (e.g. legacy data or information not readily stored on ERMS) and enable the tracking of their location			
Obligation	Optional (probably needs to be Mandatory where the ERMS is the primary tool in use for the tracking of the location of records external to the ERMS but this is outside the Mandatory area of the <i>Functional requirements</i>)			
Aggregation level	Record and folder le	evels		
Use conditions	-			
Repeatable	No			
Sub-elements	Name		Obligation	Scheme
	1. Home location ²¹		Optional	Organisational
	2. Current location		Optional	Organisational
Default value	-			
Source	User defined			
Schemes	A pick list of geogra	phic	locations may be implem	ented
Comments	Not to be confused with 1.Identifier.SystemID , 1. Identifier.Fileplan ID or the location of electronic media used to store electronic resources (e.g. file servers)			
Examples	Home location	Rui	ncorn HQ – Filestore F –	Shelf ref: HH632
	Current location:		liamentary branch - Priva cretaries	te office – personal
e-GMS mapping	Location			

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²¹ Sub element home location may be best implemented at Class level

13. Rights

Restrictions and permissions placed on access to view the records held in the ERMS
To support protective security and team working procedures within departments and provide information required to support decision making to assist in the administration of access requests from outside the organisation. The functionality required is specified in the A.5.xx Functional requirements and the security model appears in the Reference document
Capture of protective marking information in metadata allows a degree of automation in the protective handling of material in the electronic records environment (subject to the security limits on holding of high protective categories on enterprise wide ERMS and central Cabinet Office security guidance: see security model)
Protective markings in the electronic environment are capable of being applied (and consequently <i>should</i> be applied) with far greater precision than in the paper world. Managing this at the lowest level of granularity possible (normally record) is to be expected under FOI except in working environments where a very high proportion of the information being handled is sensitive
Protective markings used to determine handling of information within departments do not determine release decisions under the Environmenta Information Regulations (EIR), DPA or FOIA which have to be considered in the light of the provisions of the relevant legislation
Where the metadata elements are user defined and not linked to system functionality (for either capture or processing) they are designed to provide useful information to support the taking of decisions on disclosure Values captured earlier should not determine the actual decision to be taken: the <i>Freedom of Information Act 2000</i> will require the consideration of the likely harm to public business of the release of some exempt information as it would occur at the time of the request being made
oligation Mandatory (protective marking)
Mandatory (protective marking) Mandatory if applicable (protective marking sub-elements – 2,3,7 & 8)
Mandatory if applicable (protective marking sub-elements – 2,3,7 & 8)
Mandatory if applicable (protective marking sub-elements – 2,3,7 & 8) Optional (other sub-elements) All levels of aggregation, especially folder and record level
Mandatory if applicable (protective marking sub-elements – 2,3,7 & 8) Optional (other sub-elements) All levels of aggregation, especially folder and record level
Mandatory if applicable (protective marking sub-elements – 2,3,7 & 8) Optional (other sub-elements) All levels of aggregation, especially folder and record level se conditions -
Mandatory if applicable (protective marking sub-elements – 2,3,7 & 8) Optional (other sub-elements) All levels of aggregation, especially folder and record level e conditions peatable Yes (bracketed groups of values are repeatable in their groups)
Mandatory if applicable (protective marking sub-elements – 2,3,7 & 8) Optional (other sub-elements) All levels of aggregation, especially folder and record level te conditions Peatable Yes (bracketed groups of values are repeatable in their groups) Name Obligation Scheme 1. Protective marking Mandatory Manual of Protective Security and/or
Mandatory if applicable (protective marking sub-elements – 2,3,7 & 8) Optional (other sub-elements) All levels of aggregation, especially folder and record level e conditions Peatable Yes (bracketed groups of values are repeatable in their groups) Name Obligation Scheme 1. Protective marking Mandatory Manual of Protective Security and/or organisational 2. Descriptor (A.5.36) Mandatory if Manual of Protective Security and/or Security and/or Security and/or
Mandatory if applicable (protective marking sub-elements – 2,3,7 & 8) Optional (other sub-elements) All levels of aggregation, especially folder and record level e conditions peatable Yes (bracketed groups of values are repeatable in their groups) Name Obligation Scheme 1. Protective marking Mandatory Manual of Protective Security and/or organisational 2. Descriptor (A.5.36) Mandatory if present Manual of Protective Security and/or organisational 3. Protective marking expiry Optional Organisational
Mandatory if applicable (protective marking sub-elements – 2,3,7 & 8) Optional (other sub-elements) All levels of aggregation, especially folder and record level reconditions Yes (bracketed groups of values are repeatable in their groups) Name Obligation Scheme 1. Protective marking Mandatory Manual of Protective Security and/or organisational 2. Descriptor (A.5.36) Mandatory if Manual of Protective Security and/or organisational 3. Protective marking expiry optional Organisational Organisational

²² i.e. the date on which the *current* protective marking is due to expire

	7. Previous protective	Optional	Organisational]
	marking		0.9404	1
	8. Protective marking change date	Optional	Organisational	23
	Disclosability to DPA data subject	Mandatory	Y / N (default 'Y')	1
	10. DPA data subject access exemption	Optional	Based on DPA 1998	24
	11. EIR disclosability indicator	Mandatory	Y / N (default 'Y')	1
	12. EIR exemption	Optional	Based on EIR	24
	13. FOI disclosability indicator	Mandatory	Y / N (default 'Y')	
	14. FOI exemption	Optional	Based on Part II of the FOIA 2000	ļ
	15. Date of last FOI disclosability review	Optional	ISO date format	24
	16. FOI Release details [a freetext field, to include date and any reference number to request tracking and publication scheme mechanisms]	Optional	User defined and based on organisational FOI tracking procedures	24
	17. FOI release date (publication scheme or request)	Optional	ISO date format	
Default value	Unclassified (i.e. sub-element	1. Protective mark	king)	
Source	User defined			
Schemes	Protective markings specified i security.	n Cabinet Office <i>M</i>	anual of protective	
	Other schemes will follow orga			
Comments	The Functional requirements of for administering a publication A place has been provided for probably be of practical use in	scheme or a reque the capture of infor the future	est tracking application ²⁵ . mation that would	
	Pre-capture in record metadata possibly at later stages is seen fully retrospective nature of FC	as a valuable tool NA 2000	especially in view of the	
	The combination of a disclosal particular openness enactment potentially repeatable for future as falling within an exempt cate will not be disclosed	ts (DPA, EIR, FOI) e legislation in this	form a group that is area. Both are required	

bracketing denotes grouped repeatable elements: refer to *Comments*These two sub-elements, plus sub-elements 16 and 17:

A summary of the approach taken to FOI and the DPA is in the Implementation guidance

form a rudimentary interface for FOI/DP tracking and publication scheme administration applications (see Rationale)

form a group that is repeatable for request release details (it is probably not required to repeat for publication scheme administration)

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Examples	FOI release details: released under FOI request #101
	FOI release date: 01/01/2005
	FOI release details: released under publication scheme ref. #456
	FOI release date: 01/07/2002
	[see information above and Security model in Reference document on encoding schemes for protective markings based on the Manual of protective security]
e-GMS mapping	Part of Rights but excluding the Intellectual Property Rights material that comprised the original DC definition of 'rights'

14. Disposal

Definition	What will happen to the rec	cords at the end of their lifec	vcle (sometimes called	
	sentence or retention)		, (
Purpose		n of retention schedules in t ness rules). <i>Functional requi</i>		
Rationale	Retention and disposal management is a primary function of ERMS and essential to compliance with Public Records legislation and the Lord Chancellor's Code of Practice on records management			
Obligation	Mandatory			
Aggregation level	Class, Folder, Record and	Part levels		
Use conditions	-			
Repeatable	Yes			
Sub-elements	Name	Obligation	Schemes	
	Disposal schedule ID	Mandatory	Departmental ²⁶	
	2. Disposal action	Mandatory	Destroy, Review, Export	
	3. Disposal time period	Mandatory	Departmental (derived from schedules)	
	4. Disposal event	Mandatory if schedule event-driven	Departmental (derived from schedules)	
	5. External event occurrence	Mandatory if applicable	Departmental (derived from schedules)	
	6. Disposal (due / effective) date	Mandatory if present ²⁸	ISO date formats	
	7. Disposal authorised by	Mandatory after disposal	UserID / role	
	8. Disposal comment	Optional	[User defined by records manager at disposal]	
	9. Export destination	Mandatory if present ²⁹	-	
	10. Export status	Optional	-	
	11. Review date	Optional	ISO date formats	
	12. Review comments	Optional	-	
	13. Date of last review	Optional	ISO date formats	
	14. Reviewer details	Optional		
	15. Review comments	Optional		
Default value	None			
Source	,	nplemented in the ERMS; s	<u> </u>	
Schemes	Organisational policies, generic cross government retention schedules for common record types (e.g. financial / personnel records). Many of these will be based on legal and regulatory requirements.			
Comments		n the electronic environmen ften indicating when the info		

²⁶ Cross government schedules are expected to emerge under data sharing and sustainability initiatives ²⁷ Form a repeatable group to support multi-stage disposal (e.g. off-line storage, migration, migration to OGD systems, archival export / transfer) if this desirable requirement is supported (A.4.13) or two stage

offline storage – see footnote 27



review processed are used

28 May not yet be triggered depending on the disposal rule in force under the schedule in force

29 As the normal archival or other repository / destination system (if known) including movement to

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	and the last when it is finally disposed. These are quite distinct phases and there may be a number of intermediate stages. Offline information requires control and management as does online information. Back up strategies etc. must not frustrate official retention policies Sub-element Disposal authorised by (the user details) must be auto-captured
	in the record metadata when the disposal is activated (typically by the records manager role if a disposal in accordance with a retention schedule; the normal scenario). [see also <i>Requirement</i> A.4.69]
Examples	(See sub-elements)
e-GMS	Disposal
mapping	ERMS functional requirements do not permit the implementation of the e-GMS's Disposal.AutoRemoveDate. Disposal of records has to be by the conscious running of an audited disposal programme by an authorised user

15. Digital signature

Definition	
Purpose	
Rationale	
Obligation	
Aggregation level	
Use conditions	
Repeatable	
Sub-elements	
Default value	
Source	
Schemes	-
Comments	PRO will examine what metadata is likely to be created by digital signature technology and how far it is of relevance / use in records management when the adoption of this technology is further advanced in UK government. Further additions will be made to this element when this work is completed.
Examples	-
e-GMS mapping	-

16. Preservation

Definition	preservation manageme of the record and its co platforms	ent processes that emponent(s), to fa	acilitate its survival a	d during the life cross technical
Purpose	To support department preservation of the record across transfer Record Office	ord and preserve	aspects of the prov	enance of the
Rationale	A variety of approaches electronic records and Information on the tech greatly improves the successfully and may where past managementhis information may ne documentation [Further metadata required]	d their compon nical environmen chances of somake possible dot has been lackinged to be included	ents across techni t that produced the c uch approaches be igital archaeological g (and costs are justi d in archival descript	cal platforms. original objects eing achieved reconstruction fied). Some of tion or custody
	the definition of functions in departments for busin			
Obligation	The single sub-element for components of all rethe individual compone sustainability and preservill be specified at a lapermanent preservation for periods in excess of	ecords and is exp ints at record cap ervation of electro ater date as man or as required to	ected to be system of poture stage to suppo- pric records. [Other datory for records in be sustained for busi	generated from ort longer term Sub-elements dentified as for
Aggregation level	This element is envisage	ed to operate at th	e component level	
	I his element is envisage	ed to operate at th	e component level	
level		ed to operate at th	e component level	
level Use conditions	-	ed to operate at th	Obligation	Source
level Use conditions Repeatable	- Yes	· · · · · · · · · · · · · · · · · · ·		Source Autocaptured
level Use conditions Repeatable Sub-elements [in	Yes Sub-element name	· · · · · · · · · · · · · · · · · · ·	Obligation Optional at present (will be mandated later for some record	
level Use conditions Repeatable Sub-elements [in	Yes Sub-element name 1. Originating format	· · · · · · · · · · · · · · · · · · ·	Obligation Optional at present (will be mandated later for some record	
level Use conditions Repeatable Sub-elements [in preparation]	Yes Sub-element name 1. Originating format	Note I management proned at administra promation describir probably have to	Obligation Optional at present (will be mandated later for some record categories)	- Olicy etc) are conment that as possible in
level Use conditions Repeatable Sub-elements [in preparation] Default value	Yes Sub-element name 1. Originating format 2. To be identified Information on high leve expected to be User defi Automatic capture of info produced the object will the life of the record is a	Note I management proned at administra promation describir probably have to	Obligation Optional at present (will be mandated later for some record categories)	- Olicy etc) are conment that as possible in
level Use conditions Repeatable Sub-elements [in preparation] Default value Source	Yes Sub-element name 1. Originating format 2. To be identified Information on high leve expected to be User defi Automatic capture of info produced the object will the life of the record is a	Note I management proned at administra promation describir probably have to dvisable for record	Obligation Optional at present (will be mandated later for some record categories) - Docesses (migration potor leveling the technical environment of the captured as early do for long term sustain	- Olicy etc) are conment that as possible in
level Use conditions Repeatable Sub-elements [in preparation] Default value Source Schemes	Yes Sub-element name 1. Originating format 2. To be identified Information on high leve expected to be User defi Automatic capture of information on high leve expected to be User defi Automatic capture of information capture of information capture of information capture of information capture of the record is a permanent preservation -	Note I management proned at administra probably have to dvisable for record to further development as a rats (2002-03) for record to the control of the con	Obligation Optional at present (will be mandated later for some record categories)	Autocaptured - Dlicy etc) are comment that as possible in ainability or of epartments for
level Use conditions Repeatable Sub-elements [in preparation] Default value Source Schemes	Yes Sub-element name 1. Originating format 2. To be identified Information on high leve expected to be User defi Automatic capture of information on the life of the record is a permanent preservation This element is subject to do sustainability requirement extended periods of times	I management proned at administra probably have to dvisable for record evelopment as a rest (2002-03) for reand the PRO's earnet and th	Obligation Optional at present (will be mandated later for some record categories)	Autocaptured - Dlicy etc) are comment that as possible in ainability or of epartments for

17. Mandate

Purpose Clarifying the legislative or other mandate for the business activity produte the record(s)	Purnos	Pı	urnose for which in	formation is proces	sed	
the record(s) There can be important drivers for departments to maintain metadata on legislative mandate such as openness or privacy legislation or providing management information on the exercise of other powers, from the ERN is envisaged that this is particularly important in the regulatory / law enforcement area. There are also future data sharing and e-trust issues Obligation Optional. Some departments may wish to implement these sub-element mandatory in specific business environments Repeatable Sub-elements Name Obligation Schemes 1. Authorising statute Optional Departmental guidance an business rules: recommen be scoped to exclude very legislative provisions, e.g., Companies Act 1993 s.8 2. Personal data acquisition purpose (DPA 1998 Sch 1 Part 1, para 2) Optional Departmental guidance — probably needs to be scope excluding: • contact information the addressee or so of a piece of correspondence w would be apparer anyway in the con which it was acqui and • incidental referen individuals occurri where the purpose not the collection c personal data 3. Data Protection Exempt category (processing) Default value Default value	Purpose for which information is processed Clarifying the legislative or other mandate for the business activity producing					
legislative mandate such as openness or privacy legislation or providing management information on the exercise of other powers, from the ERV is envisaged that this is particularly important in the regulatory / law enforcement area. There are also future data sharing and e-trust issues Obligation Optional. Some departments may wish to implement these sub-element mandatory in specific business environments Aggregation level Record or folder level. Can be applied at Class level, but see Comment level Use conditions Repeatable Yes Sub-elements Name	the record(s)					
Mandatory in specific business environments						
Use conditions Repeatable Yes						
Repeatable Yes Sub-elements Name Obligation Departmental guidance an business rules: recommented be scoped to exclude very legislative provisions, e.g., Companies Act 1989 and concentrate on the capturing exceptional and specific policy. Companies Act 1993 s.8	Record or folder level. Can be applied at Class level, but see Comments					
Name Obligation Schemes	•	tions -				
1. Authorising statute 1. Departmental guidance and succeptional and specific pole. Companies Act 1989 and concentrate on the capturing exceptional and specific pole. Companies Act 1993 s.8 and concentrate on the capturing exceptional and specific pole. Companies Act 1993 s.8 and concentrate on the capturing exceptional guidance — probably needs to be scope excluding: 1. Contact information the addressee or so for a piece of correspondence we would be appared anyway in the concentration which it was acquition and and incidental reference individuals occurring where the purpose not the collection of personal data 2. Default value 3. Data Protection Exempt category (processing) 1. Default value 2. Default value 3. Data Protection Exempt category (processing) 3. Data Protection Exempt category (processing) 4. Default value 5. Default value 6. Default value 8. Departmental guidance — probably received to the capturing exception and concentrate on the capturing exception and concentrate exception and con	Yes -	e Ye	es			
statute business rules: recomment be scoped to exclude very legislative provisions, e.g. Companies Act 1989 and concentrate on the capturity exceptional and specific portional exceptional and specific portional acquisition purpose (DPA 1998 Sch 1 Part 1, para 2) Part 1, para 2) Departmental guidance — probably needs to be scope excluding: contact information the addressee or so of a piece of correspondence with would be appared anyway in the contact information the addressee or so of a piece of correspondence with would be appared anyway in the contact information the addressee or so of a piece of correspondence with the addressee	Name	ents Na	ame	Obligation	Schemes	
acquisition purpose (DPA 1998 Sch 1 Part 1, para 2) Part 1, para 2) • contact information the addressee or so of a piece of correspondence w would be apparer anyway in the con which it was acquirand • incidental referenting individuals occurring where the purpose not the collection opersonal data 3. Data Protection Exempt category (processing) Default value Optional probably needs to be scop excluding: • contact information the addressee or so of a piece of correspondence w would be apparer anyway in the con which it was acquirand • incidental referenting individuals occurring where the purpose not the collection opersonal data DPA Part 4 (Exemption from data subject access provise the DPA 1998 is covered in Rights)				Optional		
Exempt category (processing) Default value Continuous category (processing) Cont	acquisi DPA 1 Part 1,	ac (D Pa	cquisition purpose DPA 1998 Sch 1 art 1, para 2)		probably needs to be scoped as excluding: • contact information of the addressee or sender of a piece of correspondence which would be apparent anyway in the context in which it was acquired; and • incidental references to individuals occurring where the purpose was not the collection of the personal data	
	Exemp	Ex (pi	xempt category	Optional	DPA Part 4 (Exemption from the data subject access provisions of the DPA 1998 is covered in 14. Rights)	
Source User defined						
Schemes See individual sub-elements						
the overhead involved in collecting it Departments may choose to use the sub- elements with a rather more 'b brush' approach than indicated, capturing mandate details at class level cascading this down through inheritance to the records below. For exan under a functional classification scheme, a wider statutory mandate coul	A balance needs to be struck between the usefulness of this information and the overhead involved in collecting it Departments may choose to use the sub- elements with a rather more 'broad brush' approach than indicated, capturing mandate details at class level and cascading this down through inheritance to the records below. For example under a functional classification scheme, a wider statutory mandate could be applied automatically (e.g. Companies Act 1989, Public Records Act 1958)					

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	and – particularly in the case of regulatory and law enforcement agencies – DPA exempt categories for areas of fileplan to be cascaded downward rathe than applied to individual records				
	There may be little point in capturing all of the sub-elements if the business environment means that they tend to overlap (e.g. the power or purpose used to conduct the business function is the same as that purpose for which personal data is collected or one of these (or both) equates to a DPA Part 4 exempt category. The example below is one where this is <i>not</i> the case and all three are distinct				
Examples	Statutory provision authorising function	Companies Act 1985			
	Personal data acquisition purpose	Public Interest Disclosure Act 1998			
	DPA exempt category (processing)	Crime and taxation: DPA 1998 s. 29			
e-GMS mapping	Mandate (expected to be incorporated into e-GMS v. 2)				

Annex: Metadata 'stub' required to record the pre-existence of disposed records

The minimum information that should be retained at Class, Folder and Part levels after they are disposed is as follows³⁰:

- 1.1 Identifier.SystemID
- 1.2 Identifier.FileplanID (of highest point at which disposal applies)
- 2. Title
- 6.4 Date.Opened (folder / class levels only)
- 6.5 Date.Closed (folder / class levels only)
- 14. 1 Disposal.Retention schedule identifier
- 14. 6 Disposal.Effective date
- 14. 7 Disposal.Authorized by (userID / role) captured at the time of disposal
- 14. 8 Disposal.Comment (if applicable)

Apart from the last and penultimate value, this amounts to the retention of some of the preexisting values present in the record metadata and does not normally require additional system functionality other than:

- excepting these values from the deletion of the record; and
- allowing for the addition of a user defined comment (optional); and
- where a disposal has been effected at some other date than the date due under the operative schedule (i.e. it has been implemented ad hoc by the system administrator rather than merely authorized by the records manager) the date of disposal will require to be auto-captured at this point
- see Functional requirements A.4.xx

END OF DOCUMENT

³⁰ the relevant level depends on the level at which the disposal was implemented. For example, if an entire class is disposed, the stub should appear at the highest point of that particular class but be inherited downwards to all affected descendant aggregation levels as far down as folder level . If an individual folder is disposed, then it follows that the stub should be applied and retained at that point