

## Use Case Description Template

<b>Use Case 0 - Definition</b>	
<b>Name:</b>	<i>Interaction with asset metadata</i> <b>Current Version:</b> <i>0.1</i>
<b>Code:</b>	<i>tba</i>
<b>Summary:</b>	<i>Allowing users to view, add, remove or edit asset metadata contained within a clip or database.</i>
<b>Description:</b>	<p><i>A program asset exists within a system. The method by which it was ingested into the system is (for this use case) irrelevant. The user, or a process wishes to add, change or delete metadata associated with the asset. The following processes are expected:</i></p> <p><i>A request is made to the service to retrieve the metadata associated with a specified asset. Requested metadata could be structural, descriptive or both. The service returns the requested information to the requestor for display.</i></p> <p><i>A user or process requests that the service change, add or delete a metadata field. The service receives the change request - in the form of a key and value - from the initiating process and modifies, inserts or deletes the metadata within the asset. This operation is disallowed for structural metadata</i></p>
<b>Initiating Actor:</b>	<i>A 'view clip metadata' process or an 'edit clip metadata' process</i>
<b>Supporting Actors:</b>	<i>An operator (at some form of GUI), an external control process</i>
<b>Inputs:</b>	<i>File-based programme assets</i>
	<p><i>Information flows:</i></p> <ul style="list-style-type: none"> <li>• <i>Asset ID</i></li> <li>• <i>Type of request - query, change</i></li> <li>• <i>Metadata key (or human readable label?)</i></li> <li>• <i>Modification to be enacted</i> <ul style="list-style-type: none"> <li><i>Change existing data</i></li> <li><i>Append to existing data</i></li> <li><i>Add new metadata field</i></li> <li><i>Delete Metadata value (fill with null)</i></li> <li><i>Delete key and value (purge)</i></li> </ul> </li> </ul>
<b>Outputs:</b>	<i>Metadata is modified, added or deleted within the asset</i>
	<p><i>Information:</i></p> <ul style="list-style-type: none"> <li>• <i>Process succeeded</i></li> <li>• <i>Process failed</i></li> <li>• <i>Process pending - asset not yet complete enough</i></li> </ul>

<p><b>Pre-conditions:</b></p>	<ol style="list-style-type: none"> <li>1. <i>The asset is ready for use</i></li> <li>2. <i>The asset type is sufficiently complete for metadata modification to be a valid operation</i></li> </ol>		
<p><b>Post-conditions:</b></p>	<p><i>A set of criteria that must be met for qualifying the process as successful. This may be related to the pre-conditions of other processes.</i></p> <ol style="list-style-type: none"> <li>1. <i>Process complete status is set to TRUE</i></li> </ol>		
<p><b>Non-functional requirements:</b></p>	<ul style="list-style-type: none"> <li>• <i>The service can access files on the file system in question (security, access rights)</i></li> <li>• <i>The initiating process has sufficient access rights to enact such metadata changes</i></li> </ul>		
<p><b>Default flow:</b></p>			
<ol style="list-style-type: none"> <li>1. <i>A programme asset is added to a system</i></li> <li>2. <i>A request is made to the Metadata service to display or modify metadata within the asset</i></li> <li>3. <i>A business rule is used to ensure that the request is validated for access/modification rights</i></li> <li>4. <i>Metadata is extracted from the asset and returned to the requestor.</i></li> <li>5. <i>Any (authenticated) requested change is made to the metadata within the asset</i></li> <li>6. <i>The newly written metadata is re-extracted from the asset and returned to the requestor (confirmation step)</i></li> <li>7. <i>The pass/fail status of the service is returned to the requesting process</i></li> </ol>			
<p><b>Exception Handling:</b></p>			
<p><i>A description of what happens when there is some variation on the Default flow. Typically this section would just list the differences with respect to the Default flow.</i></p> <p><i>Exceptions include:</i></p> <ul style="list-style-type: none"> <li>• <i>The process is not authenticated for access to the file system in question</i></li> <li>• <i>The requesting service is not authorized to modify metadata in the asset</i></li> <li>• <i>Others here</i></li> </ul>			
<p><b>Optional Actions:</b></p>			
<p><i>A description of supplementary (non-essential) actions applied during the course of the process.</i></p>			
<p><b>Questions:</b></p>			
<p><i>Any points that will need clarification in later versions of the process definition, for example.</i></p>			
<p><b>Related Documentation:</b></p>			
<p><i>Any relevant external references.</i></p>			
<p><b>Use Case History:</b></p>			
<p>Version</p>	<p>Date</p>	<p>Author(s)</p>	<p>Changes</p>

0.1	12/18/2009	Paul Turner	

Figure 1: OASIS REFERENCE MODEL APPLIED TO FIMS

