

Global Format Registry

System Use Case: **Update Format Descriptor**

Use Case ID	OCLC-2
Description	Update descriptor of an existing digital object format.
Actors	Registry Administrator
Assumptions	<p>A Registry Management Committee that oversees all changes to the registered formats exists.</p> <p>The Administrator has special privileges in the Registry Service.</p> <p>The update is intended to add new attributes to the descriptor or correct existing information.</p> <p>If this update is intended to document a new version of a digital object, then instead a new format descriptor should be created, identified by a different DOI, but contextually related to the prior object version descriptors.</p>
Preconditions	<p>The Committee has previously approved the correctness of the new format descriptor and all Members have been properly notified.</p> <p>The user administrator has been authenticated.</p> <p>The ID of the format descriptor does already exist.</p> <p>The URIs to software descriptions are valid.</p>
Triggers	Approval of the information proposed by the descriptor.
Primary Scenario	<p>Administrator executes OCLC-3 to retrieve the existing format descriptor and present it to the user.</p> <p>Administrator changes the XML document as needed.</p> <p>Administrator submits the XML document to a Service.</p> <p>Service verifies the correctness of the XML document.</p> <p>Based on the submitted DOI, execute OCLC-3. (This step checks for the existence of the updated format descriptor).</p> <p>Update the format descriptor in the Registry.</p>
Primary Result	True, if the update completed successfully, false otherwise.
Post-Conditions	<p>The differences between the old descriptor and the new one can be documented by a logging facility.</p> <p>The new descriptor can be found by participating members.</p> <p>The old descriptor can no longer be found (see Issues below).</p>
Architecture requirements (Non-functional)	Access to this use case is secured and permitted only to authorized administrators.
Notes	
Issues	Should the previous version be saved? If so, would the previous versions ever be served in response to a query? (My initial reaction is that we don't keep multiple versions of the same descriptor since the update is usually done to add more information to the existing descriptor.)