

Global Format Registry Use Case: Develop new format service

Use Case ID	Penn-3
Description	Develop new conversion or analysis service for a data format
Actors	<i>Implementor</i> who creates the service <i>Registry</i> of digital format registrations <i>Broker</i> (optional) with which the service can be registered
Assumptions	The service does not already exist, but would be useful to support digital repositories or preservation.
Preconditions	Registry already has an entry for the format this service will be provided for. (If not, see MIT-2 use case.)
Triggers	Implementor see need for particular service for format.
Primary Scenario	Step 1 Implementor queries Registry to find information about format.
	Step 2 Registry returns information for the applicable format, including metadata for recognizing the format, along with references to resources that provide detailed information about the format (like specification manuals).
	Step 3. Implementor downloads needed detailed resources (from Registry when possible, in the hope that Registry's copy is authoritative), and uses the information to design and implement the service.
	Step 4. Implementor optionally registers service (and its associated formats, if not already registered) with a Broker. Implementor can also update Registry record, if warranted, as in Penn-2 use case.
Primary Result	Service is now implemented and available
Post-Conditions	Registry users can now discover and take advantage of the service.
Non-functional requirements	If the format was proprietary such that minimal or no documentation exists for it, or the registry has little information on the format, the service might not be implementable, or the implementation may be suboptimal.
Notes	
Issues	Reliability of the format information is a concern. Whether or not quality control exists for the Registry, information obtained from elsewhere should, where possible, have a cited source, so that users who care can evaluate the reliability of the source, double-check it with the source, or possibly supplant it later on with information from a better source.