Table 1 Requirements for OAIS-IF - TO BE COMPLETED

|  |
| --- |
| **3.1 INFORMATION PRODUCER SENDS INFORMATION TO AN OAIS CONFORMANT ARCHIVE** |
| **3.2 INFORMATION PRODUCER SENDS INFORMATION TO A NON-OAIS CONFORMANT ARCHIVE** |
| **3.3 OAIS CONFORMANT ARCHIVE SENDS INFORMATION TO AN INFORMATION USER** |
|  **3.3.1 AN INFORMATION USER WANTS TO OBTAIN INFORMATION FROM AN OAIS CONFORMANT ARCHIVE** |
|  **3.3.2 AN INFORMATION USER WANTS TO OBTAIN INFORMATION FROM A NON-OAIS CONFORMANT ARCHIVE** |
|  **3.3.3 AN INFORMATION USER WISHES TO GET AN AIP** |
|  **3.3.4 AN INFORMATION USER WISHES TO GET INFORMATION DERIVED FROM AN AIP** |
|  **3.3.5 IF REQUIRED, INFORMATION USERS ARE AUTHENTICATED AND AUTHORIZED** |
|  **3.3.6 INFORMATION IS TRANSFERRED AS ONE OR MORE INFORMATION PACKAGES** |
| **3.4 NON-OAIS CONFORMANT ARCHIVE SENDS INFORMATION TO AN INFORMATION USER** |
| **3.5 OAIS CONFORMANT ARCHIVE EXCHANGES INFORMATION TO ANOTHER OAIS CONFORMANT ARCHIVE** |
| **3.6 OAIS CONFORMANT ARCHIVE EXCHANGES INFORMATION WITH A NON-OAIS ARCHIVE** |
| **3.7 NON-OAIS CONFORMANT ARCHIVE EXCHANGES INFORMATION WITH ANOTHER NON-OAIS ARCHIVE** |
| **3.8 INFORMATION CREATOR SENDS INFORMATION TO INFORMATION PRODUCER** |
| **3.9 POSSIBLE REPINFO USE CASES** |
| **3.10 POSSIBLE PROVENANCE USE CASES** |
| **3.11 SEARCH** |

|  |  |  |
| --- | --- | --- |
| **REQ. ID.** | **REQUIREMENTS** | **SCENARIO ID.** |
|  | APIs, based on, but not restricted to, the OAIS Information Model will be available.  | 3.1, 3.3, 3.5, 3.3.1, 3.3.6 3.2, 3.4, 3.6 |
|  | APIs for negotiations to allow additional Representation Information to be provided, if available, will be available. | 3.3, 3.9 |
|  | API to identify the category of a piece of RI e.g. Structure, Semantic, Other, and ideally more detailed categories. | 3.9 |
|  | API to obtain the full RIN or the immediately related pieces of RI | 3.9 |
|  | An API which allows a negotiation on transformations of the Data Object before transmission, will be available. |  |
|  | An API which allows the parties to agree on or discover a communications protocol to use will be available. | 3.1 |
|  | An API to allow the archive to be able to verify that a user requesting access to the archive is authorized will be available. | 3.3.5 |
|  | An API to allow the archive to be able to accept SIPs will be available, in particular | 3.1 |
|  | Allow the archive to verify that Producer requesting access to the archive is authorized. | 3.1 |
|  | Make available the definitions of the types of submission packages that the archive will accept. | 3.1 |
|  | One or more interfaces which can be used to submit an SIP and reports back on status of the ingest | 3.1 |
|  | APIs to support search of the archive to provide an identifier for required information will be available. | 3.3, 3.11 |
|  | APIs to retrieve information, as Packaged Information (i.e. Information Packages with Representation Information to allow the package to be unpacked), given one or more identifiers will be available. | 3.3.1, 3.3.2, 3.3.3, 3.3.4, 3.3.6 |
|  | APIs to allow the discovery of communication options, e.g., how a client can communicate with an archive, should be available | 3.1 |
|  | API to obtain Provenance Information related to a Data Object? | 3.10 |