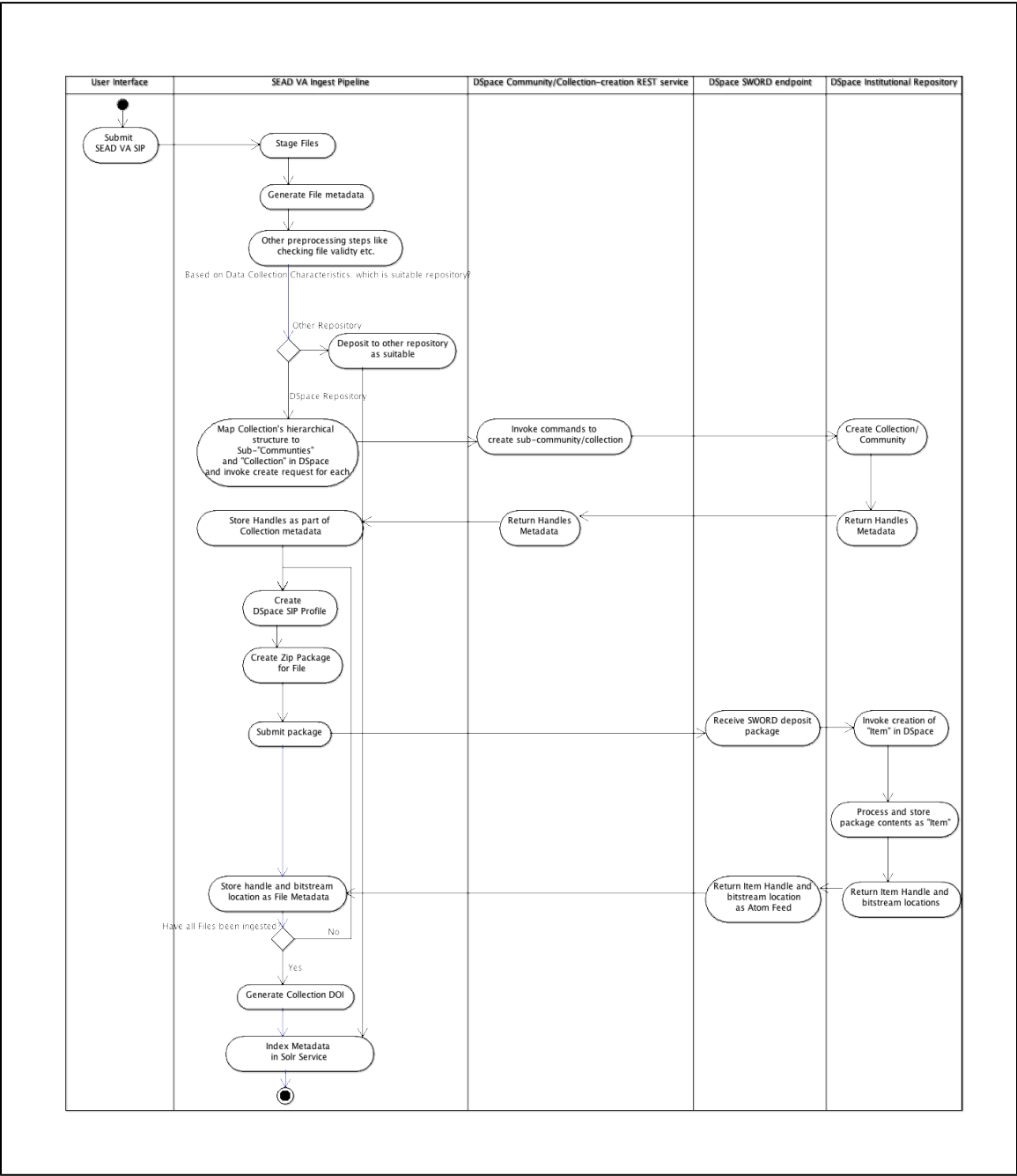


# Design Document

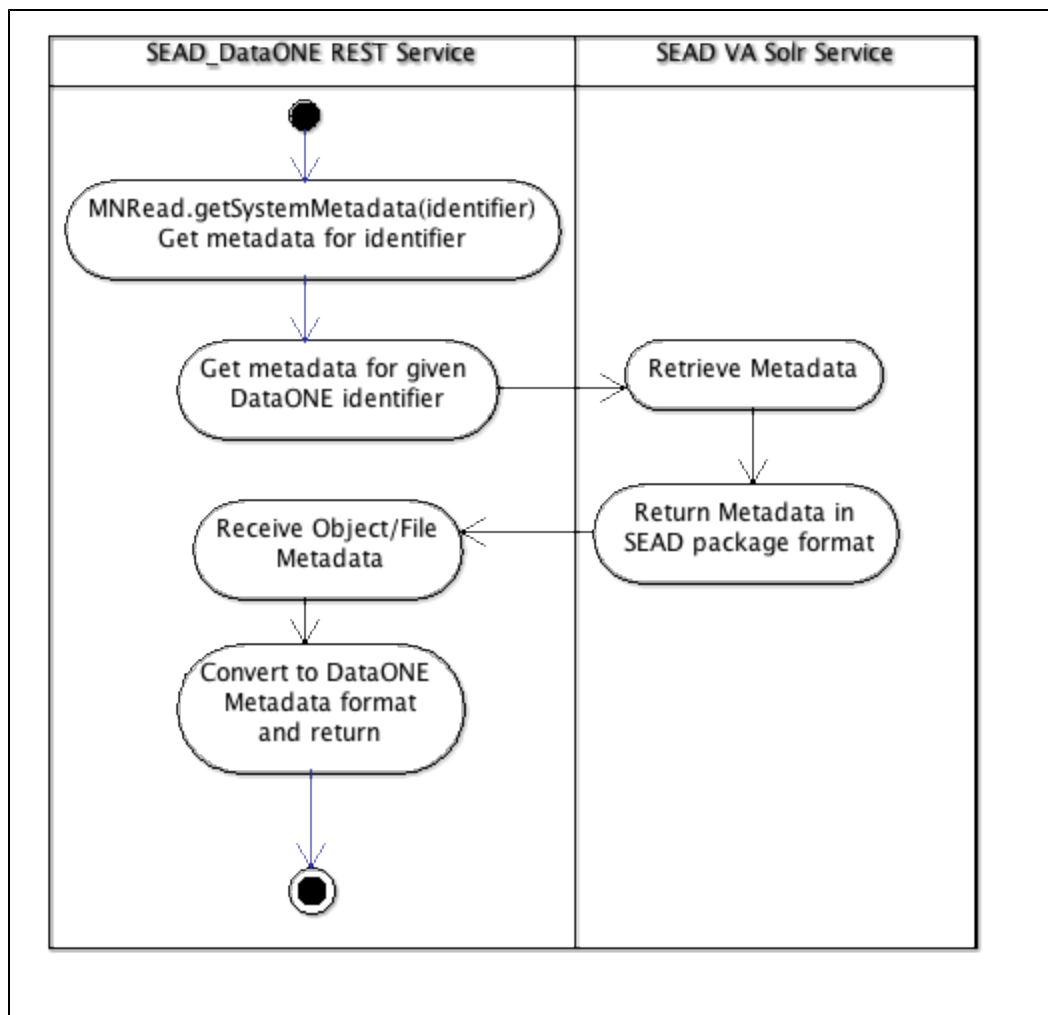
This document contains a subset of high-level activity diagrams from SEAD Virtual Archive’s design which are relevant to DSpace and DataONE.

SEAD VA Data Ingest to DSpace:



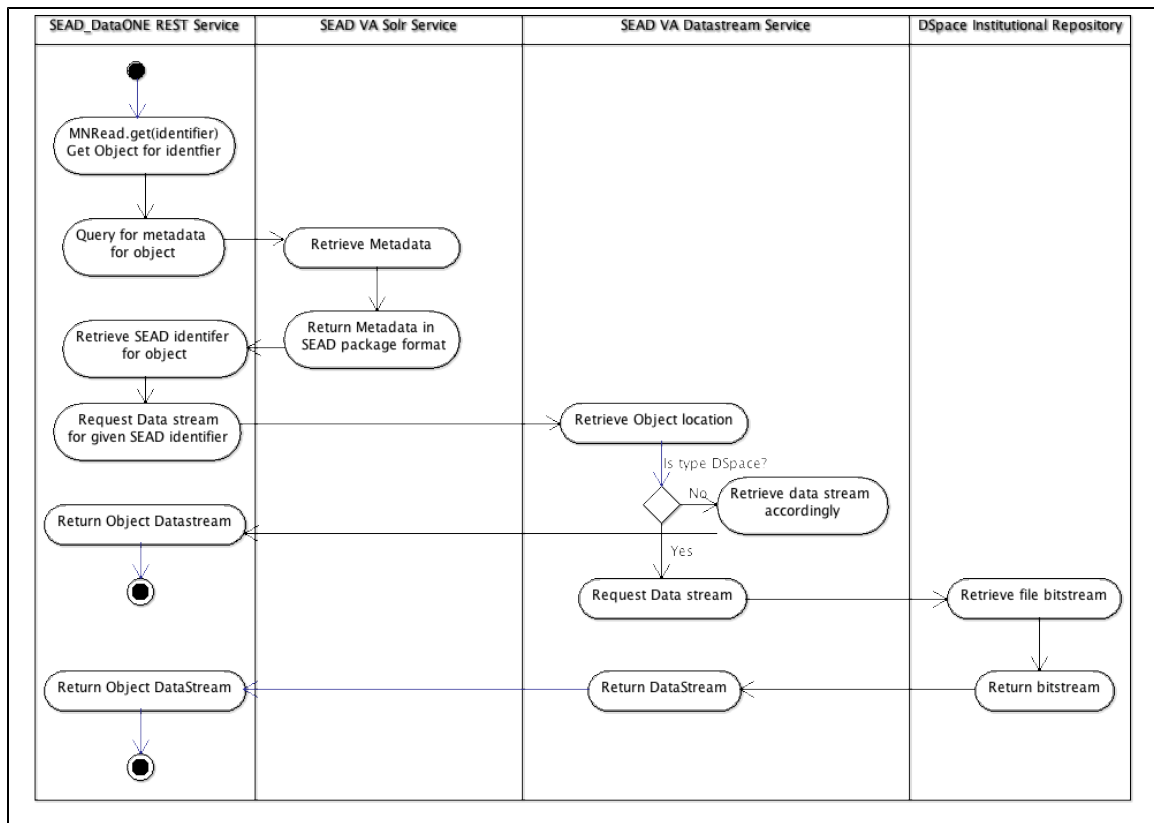
This activity diagram focuses on deposit of data to DSpace repository in the SEAD Virtual Archive (SEAD VA) ingest workflow. SWORD endpoint is required to be supported by the DSpace repository and is used for submission of data to DSpace.

DataONE MN Metadata Retrieval:



This activity diagram explains the metadata retrieval for a given identifier (MNRead.getSystemMetadata() method). Metadata for all data deposited to Institutional Repositories through SEAD VA is indexed in the SEAD VA Solr service during the ingest workflow. This metadata returned by SEAD VA Solr service as SEAD package is converted to DataONE System Metadata format.

DataONE MN Object stream Retrieval:



This activity diagram explains how data stream for a given DataONE identifier in SEAD VA is retrieved from DSpace for `MNRead.get()` method from DataONE MN API.