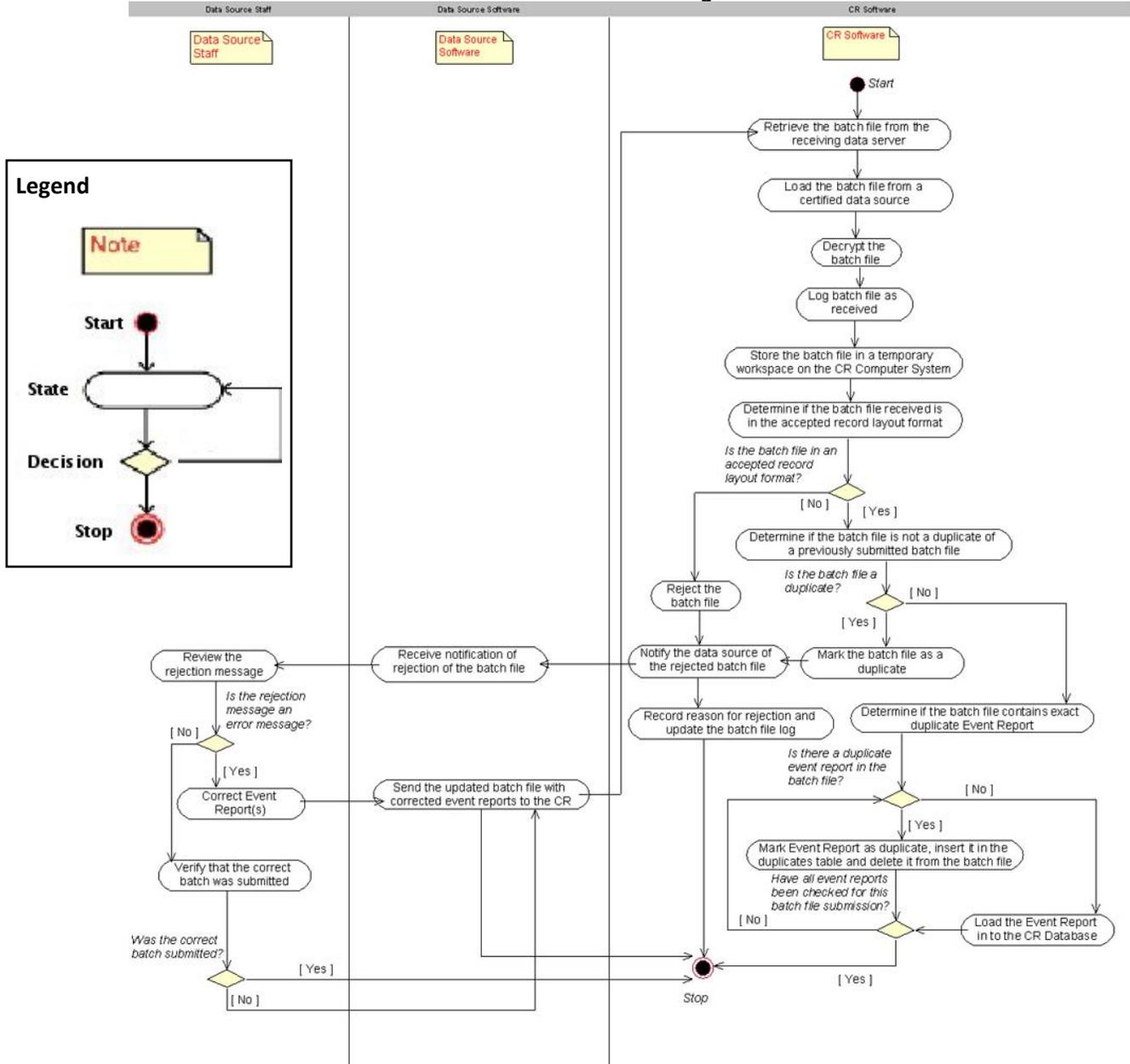


# NPCR–AERRO Hospital and Central Cancer Registry Receive Batch File Data Flow Diagram

The hospital and central cancer registry (CCR) receive batch file data flow diagram shows the detailed procedural flow of control of the function.

**GDFD 1.2 - NPCR-AERRO Receive Batch File Data Flow Diagram Version 2.0 Revised: 6-14-2010**



There are four actors: the data source staff, data source software, cancer registry (CR) software. The process starts when the CR software retrieves the batch file from the receiving data server.

The CR software loads the batch file from a certified data source, decrypts it, creates a log for it and stores the batch file in a temporary workspace on the CR computer system. It determines if the batch file

received is in an accepted record layout format. If the batch file is not in an accepted record layout format, the CR software rejects the batch file and notifies the data source of the rejection.

The data source software receives notification of the rejection of the batch file. The data source staff reviews the rejection message. If the rejection message is an error message, the data source staff corrects the event reports and sends an updated batch file to the CR. If the rejection message is not an error message, the data source staff verifies that the correct batch file was submitted. If the correct batch file was not submitted, the data source software sends the correct batch file to the CR. If the correct batch file was submitted, the process stops.

If the batch file is in an accepted record layout, the CR software determines if the batch file is a duplicate. If it is a duplicate, the CR software marks the file as a duplicate, notifies the data source of the rejected batch file, and updates the batch file log. If the batch file is not a duplicate, the CR software determines if the batch file contains an exact duplicate event report. If it contains duplicate event reports, the CR software marks the event report as a duplicate and stores it. If there are no duplicates, the CR software loads the event report into the cancer registry database.

### **Business Rules (BR)**

For details of the business rules and software requirements, please refer to the CCR Receive Batch File Use Case.

- BR01 applies to retrieval and loading of batch file from a certified data source.
- BR02 and BR03 apply to decrypting and creating logs for the received batch file.
- BR04 applies to determining the record layout format of the received batch file.
- BR05 applies to determining duplicate batch file.
- BR06 applies to determining if there are duplicate event reports in the batch file.