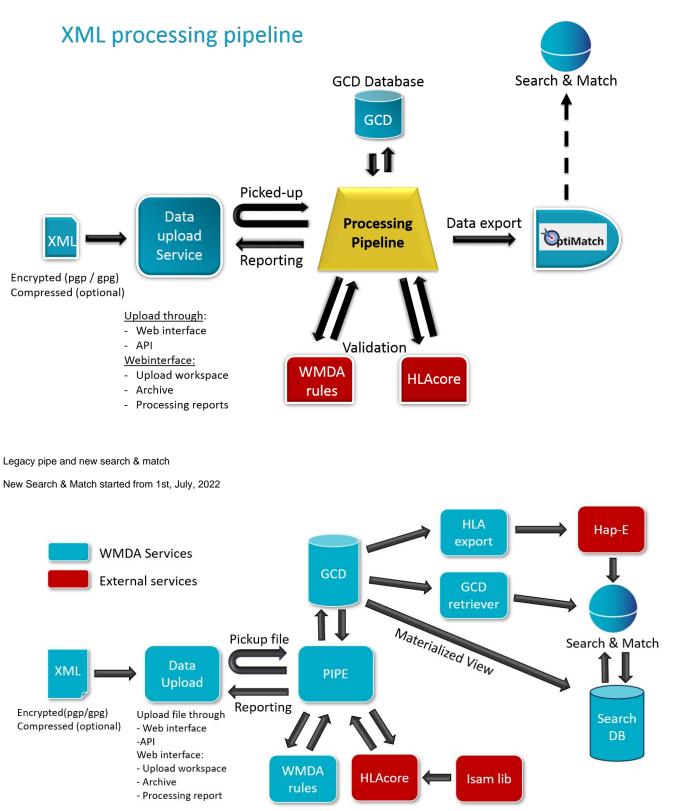
# XML Pipeline workflow

Legacy pipe with OptiMatch OptiMatch is terminated on 31st, 2022



- 1. Upload XML file by user through manual upload or API connection to the data upload service
- 2. Pick-up file: The processing pipeline pick-up the file from the upload service Through API connection
- 3. Validations: Check file name
- 4. Decrypt/ decompress: Decrypt file and if necessary unzip file
- 5. XML structure validation: Check XML file structure based on XSD files

#### 6. File / Inventory validation:

-Check ION LISTING\_ORGANIZATION and POOL and if LISTING\_ORGANIZATION is allowed to send for POOL (affiliated organisations) -CONTENT\_TYPE vs file name and inventory type -UPDATE\_MODE -SCHEMA\_VERSION -CREATION\_TME and SNAPSHOT\_TIME

### 7. Record validation:

-WMDA business rules: required fields -WMDA business rules: reject record status=DE; HIV=pos -HLA validation by HLA core through API call -WMDA business rules: minimal required HLA fields -WMDA business rules: optional fields or combination of optional fields

### 8. Save records:

-Save valid records in database (GCD)

-End of processing: check number valid records with number of records previously saved in database: if new number is 90% of the previously saved number of records -> replace previous records by new records from this POOL.

9. Create report:

-Create report from records in database with warnings and rejections specified, total numbers of accepted, rejected, warnings -Export report to data upload service through API connection

## 10. Create export file:

-Create export CSV file if no processing of files/records is running (once a day) -Compress file -Encrypt file -Export file to data upload service through API connection