**Bidgely Error Reporting Development Document**

This document is about the development for each category of file for bidgely error reporting purpose.

The flow will be as follows:

* From Bidgely S3 bucket to landing zone (encrypted file).
* From landing zone decrypts and put it to raw zone.
* From raw zone after transformation put it to CEM Operational Zone

All the error files received from Bidgely are “|” (pipe) delimited.

Source File Format:

**<OrigRec> | <LineNumber> | <Error\_code> | <ErrorDesc> | <ColumnID>**

This is the same file name as sent by NSP while sending the data. Any change in the format will have a cross impact.

**Expected Fields**:orig\_record, line\_number, error\_code, error\_desc, column\_id

**Derived Fields:** account\_type, customer\_id, account\_id, premise\_id, file\_name, category\_type, date\_of\_extraction, error\_info, load\_date

**Billing Category:**

**File Name:** BILLING\_<YYYYMMDDHHMI><XX>\_<SEQ>

* **Expected Fields**:orig\_record, line\_number, error\_code, error\_desc, column\_id
* **Derived Fields:** account\_type, customer\_id, account\_id, premise\_id, file\_name, category\_type, date\_of\_extraction, error\_info, load\_date

**CME Category:**

**File Name:** USERENROLL\_D\_<YYYYMMDDHHMI><XX>\_<SEQ>

* **Expected Fields**:orig\_record, line\_number, error\_code, error\_desc, column\_id
* **Derived Fields:** account\_type, customer\_id, account\_id, premise\_id, file\_name, category\_type, date\_of\_extraction, error\_info, load\_date

**AMI Category:**

**File Name:** RAW\_D\_900\_S\_<YYYYMMDDHHMI><XX>\_<SEQ>

* **Expected Fields**:orig\_record, line\_number, error\_code, error\_desc, column\_id
* **Derived Fields:** account\_type, customer\_id, account\_id, premise\_id, file\_name, category\_type, date\_of\_extraction, error\_info, load\_date

**Customer Notification Category:**

**File Name:** USER\_PREFS\_<YYYYMMDDHHMI><XX>\_<SEQ>

* **Expected Fields**:orig\_record, line\_number, error\_code, error\_desc, column\_id
* **Derived Fields:** account\_type, customer\_id, account\_id, premise\_id, file\_name, category\_type, date\_of\_extraction, error\_info, load\_date

**Billing Schedule Category:**

**File Name:** BC\_SCHEDULE\_<YYYYMMDDHHMI><XX>\_<SEQ>

* **Expected Fields**:orig\_record, line\_number, error\_code, error\_desc, column\_id
* **Derived Fields:** account\_type, file\_name, category\_type, date\_of\_extraction, error\_info, load\_date

**Note: there will not be any derived fields like customer\_id, account\_id and premise\_id**

**For Reporting:**

* Synapse external table will be created over the parquet files stored in the CEM operational zone.
* A 6 -Month view will be provided. Accessing this view, the user can access the underlying error data for previous 6 months.
* Similarly, a 5 -day view will be provided. Accessing this view, the user can access the underlying error data for previous 5 days.
* From these two views anyone one can write a query on these for the further reporting.