**Working flow inside in SESP for metering data:**

1. Metering Data Import handler(java class)-------
   1. Calls FILE\_T\_HANDLER\_T(table) --- which contains info about the work order file format(xml,text, etc), file mode(import or export) and many more.
   2. Run the process()--- from Files(table) pick up the file, before picking up check the file status from the field “id\_File\_status\_t”. Table “File\_status\_t” stores the stustus of file like (import started, import finished,etc), then depending on the status unmarshall the xml file, use the predefined message written in I\_MD\_MESSAGE\_CONTAINER(table)
   3. Parse and insert a new Message into the db, also process underlying LogicalAcks, data.
2. Create Message:
   1. FileToMessageScanner(class): A scanner that creates messages against an imported parsed file.
   2. This will work only when status of file is “ import parsed”. This valus is available from table “File\_status\_T”.
   3. This Process is halted when the file status is” IMPORT\_MESSAGE\_ERROR”.
   4. This is also responsible for marking any file which is export ready also.
3. Mapping Case And Case exe:
   1. JobController(class) using MessageJob(class)---call start().
   2. This start()--- will instantiate Case class. Generate a case id with the help of “Case” table.
   3. “Case” table contains ref of other tables like “case\_t”- which contains information about the case type. Then also populates the status of that case from “case\_status\_t” to make it “in progress” .
   4. CaseJob class is instantiated to execute the case.
   5. Call “lockCaseBlocking()”—to indefinitely lock the case till finish.
   6. Call “releaseCase()”-to release the lock.
4. Export Meter values:
   1. ExportPushMeterValueCaseHandler(class) --- called to handle export of meter data.