The job is named TEDBDF50, and it's part of the EDW EUAL CMS FHIR outbound process. It's a Teradata process that produces a work table.

**Job Header and Initial Configuration**

//TEDBDF50 JOB (EDWB, CC4508), 'CMS CLAIMS', MSGLEVEL-1, MSGCLASS-X, CLASS-O, REGION=0M /\*JOBPARM SYSAFF-SYSF

//TEDBDF50 JOB (EDWB, CC4508), 'CMS CLAIMS', MSGLEVEL-1, MSGCLASS-X, CLASS-O, REGION=0M /\*JOBPARM SYSAFF-SYSF

* **JOB (EDWB, CC4508)**: The job is identified by the job name TEDBDF50 and has associated parameters such as the user identifier (EDWB, CC4508).
* **MSGLEVEL-1**: Controls the level of detail in job logs. MSGLEVEL=1 typically means only essential messages are shown (no debug info).
* **MSGCLASS-X, CLASS-O**: These specify the routing of job output to specific queues or classes.
* **REGION=0M**: Allocates 0 megabytes of memory for the job. This is essentially a placeholder for memory allocation settings.
* **JOBPARM SYSAFF-SYSF**: Specifies that the job will run on the **SYSF** system, indicated by SYSAFF.

**Job Description and Dependencies**

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

// JOB DESCRIPTION: Currently Points to: TENV2 Teradata "C" Yreu 2023-07-20"

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

// JOB DESCRIPTION: Currently Points to: TENV2 Teradata "C" Yreu 2023-07-20"

* The job description is related to **Teradata**, which is an enterprise-level data warehouse system. The reference to "**Yreu 2023-07-20**" likely indicates the last update or a key date associated with this process.
* The job processes data related to **CMS CLAIMS**, specifically the **EOB OP (Outpatient)** subject area, which is part of the **EDW EUAL CMS FHIR outbound** process.

//This is a Teradata process that is controlled by a driver table created in a previous job and produces a Teradata work table.

//Job is completely rerunnable even if the BTEQ fails in middle.

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//Job is completely rerunnable even if the BTEQ fails in middle.

* This clarifies that the process produces a Teradata work table and can be rerun in case of failure, making it **fault-tolerant**.

// SUBSYSTEM: EDW \* JOB DEPENDENCIES: PEDWD JOBS INVOKED: PEDWD

// FREQUENCY :DAILY EARLY START TIME: 00:00

// SUBSYSTEM: EDW \* JOB DEPENDENCIES: PEDWD JOBS INVOKED: PEDWD

// FREQUENCY :DAILY EARLY START TIME: 00:00

* The **EDW subsystem** is where the job is executed. The job depends on the successful completion of previous jobs (PEDWD), and it runs **daily** starting at **00:00** (midnight).

// IMPACT IF DELAYED: // PRIMARY ANALYST: ON CALL LIST "TEST.EDW.ONCALL.DATA"

// IMPACT IF DELAYED: // PRIMARY ANALYST: ON CALL LIST "TEST.EDW.ONCALL.DATA"

* If delayed, there's no immediate **impact** specified here, but an **on-call analyst** is available to monitor it.

**Job Restart Considerations**

// SPECIAL RESTART CONSIDERATIONS: job is completely rerunnable. job requires Teradata resources.

* If the job fails, it can be **restarted** without loss of data, and it requires **Teradata** resources to execute.

**Job Libraries**

//JOBLIB DO DSN-TDBS.DB2.DBC.APPLOAD, DISP=SHR DD DSN-TDBS.DB2.DBC.TRLOAD, DISP=SHR

* **JOBLIB** is specifying the data sets required to execute the job. These are likely **Teradata** and **DB2** libraries that contain the programs, utilities, or tables needed by the job.

**Environment Variables**

// SET ENV="PROD"

// SET ENVB='CEND'

// SET DATALIB ='TEDWO.EDW.QA.J.DATA'

// SET DATALIB1 ='TEDWO.LIDNE2Z.APR2021.DATA.CMS.PROD'

// SET DATALIB1='ENDEVOR. PROD.STAGE2.DATA'

// SET DATALIB2='TEDW0.LIDSNXS.DATA'

// SET ENV="PROD"

// SET ENVB='CEND'

// SET DATALIB ='TEDWO.EDW.QA.J.DATA'

// SET DATALIB1 ='TEDWO.LIDNE2Z.APR2021.DATA.CMS.PROD'

// SET DATALIB1='ENDEVOR. PROD.STAGE2.DATA'

// SET DATALIB2='TEDW0.LIDSNXS.DATA'

* **SET ENV="PROD"**: Specifies the environment to use (in this case, **PROD**, the production environment).
* **DATALIB** and similar variables set the locations of the datasets used in the job. These are various **data libraries** storing different data stages for **QA**, **PROD**, and **STAGE** environments.

**Main Job Steps**

1. **Step 005: Convert EUAL BTEQ script**

//STEP005 EXEC SASTDBC

//FROMTO DD DSN=&DATALIB.(EDWEUP02),DISP=SHR

//SCRPTIN DD DSN=&DATALIB2.(EDWFB00C), DISP=SHR

//SCRPTOUT DD DSN=&&TEMP, DISP=(,PASS,DELETE), UNIT=SYSDA, SPACE=(TRK,(10,20),RLSE), DCB=(RECFM=FB, LRECL=80, BLKSIZE=0)

//SASLIST DD SYSOUT=\*

//SASLOG DD SYSOUT=\*

//SYSIN DD DSN=TEDWO.EDW.QA.J.SAS(EDWCNV1S), DISP=SHR

//STEP005 EXEC SASTDBC

//FROMTO DD DSN=&DATALIB.(EDWEUP02),DISP=SHR

//SCRPTIN DD DSN=&DATALIB2.(EDWFB00C), DISP=SHR

//SCRPTOUT DD DSN=&&TEMP, DISP=(,PASS,DELETE), UNIT=SYSDA, SPACE=(TRK,(10,20),RLSE), DCB=(RECFM=FB, LRECL=80, BLKSIZE=0)

//SASLIST DD SYSOUT=\*

//SASLOG DD SYSOUT=\*

//SYSIN DD DSN=TEDWO.EDW.QA.J.SAS(EDWCNV1S), DISP=SHR

* + **Step 005** uses a **SAS** program (SASTDBC) to convert an **EUAL BTEQ script** to execute in the **QA** environment.
  + **FROMTO**, **SCRPTIN**, and **SCRPTOUT** indicate input/output datasets for the script conversion.
  + The job requires a temporary work dataset (&&TEMP) and logs output to SASLIST and SASLOG.

The **abend condition** (step failure) is handled here:

IF (STEP005.SASP.RC > 00) THEN

// STEP005A EXEC PGM=ABEND ENDIY

* + If the return code (RC) is greater than 0 (indicating failure), **STEP005A** will be triggered, which invokes the **ABEND** program to end the job with an error.

1. **Step 010: Execute Teradata BTEQ (BTOMAIN)**

//STEP010 EXEC PGM=BTOMAIN

//SYSPRINT DD SYSOUT=\*

//SYSUDUMP DD SYSOUT=(R,,9511), FCB=DXLL, CHARS=GFC

//SYSABEND DD SYSOUT=\*

//SYSON DD DSN=TEDW0.EDW.QA.J.DATA(EDWLOGNE), DISP=SHR

//DD DSN=&&TEMP,DISP(OLD,DELETE,DELETE)

//STEP010 EXEC PGM=BTOMAIN

//SYSPRINT DD SYSOUT=\*

//SYSUDUMP DD SYSOUT=(R,,9511), FCB=DXLL, CHARS=GFC

//SYSABEND DD SYSOUT=\*

//SYSON DD DSN=TEDW0.EDW.QA.J.DATA(EDWLOGNE), DISP=SHR

//DD DSN=&&TEMP,DISP(OLD,DELETE,DELETE)

* + **Step 010** runs the **Teradata BTEQ** process (BTOMAIN) to execute a **BTEQ script** that interacts with the Teradata database.
  + The datasets and output are logged to **SYSPRINT** and **SYSUDUMP**.
  + Temporary data (&&TEMP) is also used here, and the job creates logs or dumps based on the BTEQ execution.

**Failure handling** for this step:

IF (STEP010.RC > 00) THEN

//STEP010A EXEC PGM=ABEND

IF (STEP010.RC > 00) THEN

//STEP010A EXEC PGM=ABEND

* + If **STEP010** fails (i.e., returns a code greater than 0), **STEP010A** will invoke the **ABEND** program to handle the failure.

**Summary of Key Points**

* **Teradata Process**: This job is part of a **Teradata process** and handles **CMS Claims data** (specifically for **EOB OP** in the **EDW EUAL CMS FHIR outbound**).
* **Rerunnable**: The job is designed to be **rerunnable** even if it fails at some point (because of its dependency on earlier jobs and fault tolerance).
* **Steps**:
  + Step 005 is focused on converting the BTEQ script for QA execution using SAS.
  + Step 010 is the actual execution of the BTEQ script, which interacts with **Teradata**.
* **Error Handling**: Both steps include mechanisms for **abending** (terminating the job) if they encounter errors.

This job seems to be part of a larger data integration or ETL (Extract, Transform, Load) process that operates in the **EDW (Enterprise Data Warehouse)** for handling CMS claims data.