

Dataform Reverse Mapping & Lineage

This is a comprehensive data lineage and reverse-mapping document for the `Equipment` model, generated from the provided SQL and data mapping files.

Dataform Reverse Mapping & Lineage

Here is the detailed documentation:

1. Model_Metadata

Attribute	Value
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Model Name	Equipment
Target Schema	EAR-AA-2392
Target Table Name	Equipment
Materialization	Full Load
Granularity	EQUIPMENT_NUM
Description	Equipment product having information of assets in A2R value stream from MAXIMO. Asset related information is present in detail level.

2. Source_References

Source Table	Alias	CTE / Subquery	Referenced Columns
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Source Table	Alias	CTE / Subquery	Referenced Columns
`us102762-np-pm-da-25938.A2R_STG.ASSET`	a	(Main Query)	ASSETNUM, SERIALNUM, ASSETID, SLB_ASSET_SN_ID, ASSETTYPE, ASSETUID, SLB_MFGDATE, ANCESTOR, SLB_COMPANYCODE, INSTALLDATE, SLB_ASSETPARTNUM, SLB_ASSETGROUP, EQ1, EQ7, EQ8, EQ10, SLB_GBV, SLB_NBV, STATUS, MANUFACTURER, LOCATION, SLB_OWNER_LOCATION, SLB_LOCATEDSITE, SLB_ASSETMOVEMENTSTATUS, PARENT, SLB_UNIT_FA, SLB_SPL_HASSAMPLE, SLB_PMDUE, SLB_FCODUE, SLB_MOD_STATUS, SLB_TECHST_COL, SLB_CURR_PHYLOC, SLB_INSERVICEDATE, SLB_TECHSTATUS, DESCRIPTION, STATUSDATE, CHANGEDATE, SLB_LOGISTICSTATUS, PLUSTMODEL, PLUSTYEAR, SLB_EDFSTATUS, SLB_OANUM, SLB_PRODUCTIONNUMBER, TOTALCOST, TOTDOWNTIME, YTDCOST, EQ23, SLB_MODSTATUS_COLOR, SLB_LEGACYASSETNUM, SLB_NEWASSETNUM, ROWSTAMP
`us102762-np-pm-da-25938.A2R_STG.ASSET`	K	(Subquery)	ASSETNUM, ROWSTAMP
`us102762-np-pm-da-25938.QA_MAXIMO.ASSERTANCESTOR`	AA	(Subquery)	ANCESTOR, SITEID, ASSETNUM, HIERARCHYLEVELS
`us102762-np-pm-da-25938.QA_MAXIMO.SLB_ASSETTEXT`	B	(Subquery)	SLB_ASSETUID, SLB_CURRLOCATIONTYPE, SLB_DFP, SLB_HRSSINCELASTSL, SLB_HRSPUMP, SLB_EDT, SLB_CREATEBY, SLB_STAMPEDSN, SLB_DOWNFORREPAIR, SLB_RIGNAME, SLB_STAMPEDFC, SLB_TEMPMAX, SLB_SHOCKMAXLEVEL, SLB_SHOCKMAXDUR, SLB_SHOPUSEONLY, SLB_ASSIGNEDCLIENT, SLB_DAM_BEYOND_REP, SLB_TSDFP, SLB_LEGALENTITY
`us102762-np-pm-da-25938.QA_MAXIMO.SLB_TYPE`	C	(Subquery)	ASSETTYPE, TYPECATEGORY, SLB_SUBFAMILY, Activity

Source Table	Alias	CTE / Subquery	Referenced Columns
`us102762-np-pm-da-25938.QA_MAXIMO.SLB_OPERATIONS`	RANKED_OPS, D	(Subquery)	SLB_OPERATIONNUMBER, SLB_COMPANY_NAME, SLB_RIG_NAME, SLB_FIELDNAME, SLB_OPERATION_STATUS, SLB_RIG_TYPE, SLB_WELL_NAME, ROWSTAMP
`us102762-np-pm-da-25938.QA_MAXIMO.DOCLINKS`	DOC	(Subquery)	DOCLINKSID, OWNERID, SLB_DMATTACH_MAT, SLB_DMATTACH_MTYPE, SLB_DMATTACH_VENDOR, SLB_DMATTACH_YLD, CHANGEDATE, DOCUMENT, DOCVERSION, GETLATESTVERSION, OWNERTABLE, REFERENCE, DOCTYPE, ROWSTAMP
`us102762-np-pm-da-25938.A2R_STG.WORKORDER`	PP	(Subquery)	WONUM, WORKORDERID, ASSETNUM
`us102762-np-pm-da-25938.QA_MAXIMO.SLB_MULTIASSET`	SJR (B)	(Subquery)	ASSETNUM, TICKETID
`us102762-np-pm-da-25938.QA_MAXIMO.TICKET`	SJR (C)	(Subquery)	TICKETID, SLB_JUNK_REASON, STATUSDATE
`us102762-np-pm-da-25938.QA_MAXIMO.DOLINKS`	LatestDocsPerAsset (a)	(CTE)	ASSETNUM, ID, SRC, ROWSTAMP, OWNERID, DOCTYPE
`us102762-np-pm-da-25938.A2R_STG.ASSET`	LatestDocsPerAsset (b)	(CTE)	ASSETNUM, ASSETUID
`us102762-np-pm-da-25938.A2R_STG.WORKORDER`	LatestDocsPerAsset (b)	(CTE)	ASSETNUM, WORKORDERID

3. CTE Dependencies

CTE Name / Subquery Alias	Parent Inputs	Description	Consumers
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LatestDocsPerAsset	`QA_MAXIMO.DOCLINKS`, `A2R_STG.ASSET`, `A2R_STG.WORKORDER`	Creates a list of the latest material certification documents for each asset, considering both direct asset links and links via work orders. It ranks documents by source and timestamp to find the most relevant one.	`DOC` Subquery
K	`A2R_STG.ASSET`	Finds the latest ROWSTAMP for each asset number to ensure only the most recent asset record is used.	Main `FROM` clause

CTE Name / Subquery Alias	Parent Inputs	Description	Consumers
AA	`QA_MAXIMO.ASSETANCESTOR`	Gets the top-level ancestor and site for each asset from the asset hierarchy.	Main `SELECT`
B (SLB_ASSETTEXT)	`QA_MAXIMO.SLB_ASSETTEXT`	Provides extended asset attributes.	Main `SELECT`
C (SLBTYPe)	`QA_MAXIMO.SLBTYPE`	Provides asset type classification details like category, sub-family, and activity.	Main `SELECT`
D (SLB_OPERATIONS)	`QA_MAXIMO.SLB_OPERATIONS`	Provides the latest operational data (like rig name, company) for a given operation number.	Main `SELECT`
DOC	`QA_MAXIMO.DOCLINKS`, `LatestDocsPerAsset`	Retrieves details for the latest material certification document linked to an asset, using the `LatestDocsPerAsset` CTE to identify the correct document.	Main `SELECT`
PP	`QA_MAXIMO.DOCLINKS`, `A2R_STG.WORKORDER`	Links documents from work orders back to the primary asset.	Main `SELECT`
SJR	`A2R_STG.ASSET`, `QA_MAXIMO.SLB_MUL TIASSET`, `QA_MAXIMO.TICKET`	Identifies the junk reason for assets with a 'PREJUNK' or 'DECOMMISSIONED' status by finding the latest relevant ticket.	Main `SELECT`

4. Join_Details

Left Relation (Alias)	Join Type	Right Relation (Alias)	Join Condition
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(Subquery from `A2R_STG.ASSET`) A	INNER JOIN	(Subquery) K	`A.EQUIPMENT_NUM = K.ASSETNUM AND A.ROWSTAMP = K.ROWSTAMP`
A	LEFT JOIN	(Subquery from `ASSETANCESTOR`) AA	`A.EQUIPMENT_NUM = AA.ASSETNUM`
A	LEFT JOIN	(Subquery from `SLB_ASSETTEXT`) B	`a.ASSETUID = B.ASSETUID`
A	LEFT JOIN	(Subquery from `SLBTYPe`) C	`A.ASSETTYPE = C.ASSETTYPE`
A	LEFT JOIN	(Subquery from `SLB_OPERATIONS`) D	`LTRIM(RTRIM(A.CURRENT_PHYSICAL_LOCATION)) = LTRIM(RTRIM(D.SLB_OPERATIONNUMBER))`
A	LEFT JOIN	(Subquery `DOC`) DOC	`LTRIM(RTRIM(A.EQUIPMENT_NUM)) = LTRIM(RTRIM(DOC.ASSETNUM))`
A	LEFT JOIN	(Subquery `PP`) PP	`LTRIM(RTRIM(A.ASSETUID)) = LTRIM(RTRIM(PP.OWNERID))`
A	LEFT JOIN	(Subquery `SJR`) SJR	`SJR.ASSETNUM = A.EQUIPMENT_NUM`

| Inside DOC Subquery | | |

(Subquery `ADOC` ADOC	INNER JOIN	(Subquery `BDOC` BDOC	`ADOC.ROWSTAMP = BDOC.ROWSTAMP`
ADOC	INNER JOIN	`LatestDocsPerAsset` X	`X.ID = ADOC.OWNERID`

| Inside PP Subquery | | |

(Subquery from `DOCLINKS` A	INNER JOIN	(Subquery from `WORKORDER` B	`A.OWNERID = B.WORKORDERID`
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| Inside SJR Subquery | | |

`A2R_STG.ASSET` A	INNER JOIN	`QA_MAXIMO.SLB_MULTIASSET` B	`A.ASSETNUM = B.ASSETNUM`
`SLB_MULTIASSET` B	INNER JOIN	`QA_MAXIMO.TICKET` C	`B.TICKETID = C.TICKETID`

5. Filters_and_Conditions

Filter Type	Condition	Location
:---	:---	:---
`WHERE`	`a.OWNERTABLE = 'ASSET' AND a.DOCTYPE = 'Material Cert`	CTE `LatestDocsPerAsset` (First part of UNION)
`WHERE`	`a.OWNERTABLE='WORKORDER' AND a.DOCTYPE = 'Material Cert`	CTE `LatestDocsPerAsset` (Second part of UNION)
`WHERE`	`rnk=1`	CTE `LatestDocsPerAsset` (Outer query)
`WHERE`	`rnk=1`	Subquery `AA`
`WHERE`	`RNK = 1`	Subquery `D`
`WHERE`	`DOCTYPE = 'Material Cert`	Subquery `DOC` (within `ADOC` and `BDOC`)
`WHERE`	`STATUS IN ('PREJUNK', 'DECOMMISSIONED')`	Subquery `SJR` (inner `A`)
`WHERE`	`SLB_JUNK_REASON IS NOT NULL`	Subquery `SJR` (inner `C`)
`WHERE`	`RANK_VALUE = 1`	Subquery `SJR` (outer query)

6. Output_Columns_Detail

Output Column Name	Derivation Logic	Source Table(s)	Source Column(s)	Derivation Type
:---	:---	:---	:---	:---

Output Column Name	Derivation Logic	Source Table(s)	Source Column(s)	Derivation Type
`EQUIPMENT_NUM`	`a.EQUIPMENT_NUM`	`A2R_STG.ASSET`	`ASSETNUM`	Passthrough
`SERIAL_NUM`	`a.SERIAL_NUM`	`A2R_STG.ASSET`	`SERIALNUM`	Passthrough
`EQUIPMENT_ID`	`a.EQUIPMENT_ID`	`A2R_STG.ASSET`	`ASSETID`	Passthrough
`TOPLEVELEQUIPMENT`	`AA.ANCESTOR`	`QA_MAXIMO.ASSETANCESTOR`	`ANCESTOR`	Passthrough
`SITEID`	`AA.SITEID`	`QA_MAXIMO.ASSETANCESTOR`	`SITEID`	Passthrough
`EQUIPMENT_SN_ID`	`a.EQUIPMENT_SN_ID`	`A2R_STG.ASSET`	`SLB_ASSET_SN_ID`	Passthrough
`Activity`	`c.Activity`	`QA_MAXIMO.SLBTYPE`	`Activity`	Passthrough
`SUB_FAMILY`	`c.SUB_FAMILY`	`QA_MAXIMO.SLBTYPE`	`SLB_SUBFAMILY`	Passthrough
`TYPECATEGORY`	`c.TYPECATEGORY`	`QA_MAXIMO.SLBTYPE`	`TYPECATEGORY`	Passthrough
`GBV`	`a.GBV`	`A2R_STG.ASSET`	`SLB_GBV`	Passthrough
`NBV`	`a.NBV`	`A2R_STG.ASSET`	`SLB_NBV`	Passthrough
`STATUS`	`a.STATUS`	`A2R_STG.ASSET`	`STATUS`	Passthrough
`UNIT_FA`	`a.UNIT_FA`	`A2R_STG.ASSET`	`SLB_UNIT_FA`	Passthrough
`PM_STATUS`	`a.PM_STATUS`	`A2R_STG.ASSET`	`EQ1`	Passthrough
`EQ7`	`a.EQ7`	`A2R_STG.ASSET`	`EQ7`	Passthrough
`MAINTENANCE_STATUS`	`a.MAINTENANCE_STATUS`	`A2R_STG.ASSET`	`EQ8`	Passthrough
`REASON_OF_PM_STATUS`	`a.REASON_OF_PM_STATUS`	`A2R_STG.ASSET`	`EQ10`	Passthrough
`MFGDATE`	`a.MFGDATE`	`A2R_STG.ASSET`	`SLB_MFGDATE`	Passthrough
`COMMISSION_DATE`	`a.COMMISSION_DATE`	`A2R_STG.ASSET`	`INSTALLDATE`	Passthrough
`MANUFACTURER`	`a.MANUFACTURER`	`A2R_STG.ASSET`	`MANUFACTURER`	Passthrough
`PART_NUMBER`	`a.PART_NUMBER`	`A2R_STG.ASSET`	`SLB_ASSETPARTNUM`	Passthrough
`EQUIPMENT_LOCATION`	`a.EQUIPMENT_LOCATION`	`A2R_STG.ASSET`	`LOCATION`	Passthrough
`EQUIPMENT_OWNER_LOCATION`	`a.EQUIPMENT_OWNER_LOCATION`	`A2R_STG.ASSET`	`SLB_OWNER_LOCATION`	Passthrough
`EQUIPMENT_TYPE`	`a.ASSETTYPE`	`A2R_STG.ASSET`	`ASSETTYPE`	Passthrough
`EQUIPMENT_UID`	`a.ASSETUID`	`A2R_STG.ASSET`	`ASSETUID`	Passthrough
`LOCATED_SITE`	`a.SLB_LOCTDSITE`	`A2R_STG.ASSET`	`SLB_LOCATEDSITE`	Passthrough
`ASSET_GROUP`	`a.ASSET_GROUP`	`A2R_STG.ASSET`	`SLB_ASSETGROUP`	Passthrough

Output Column Name	Derivation Logic	Source Table(s)	Source Column(s)	Derivation Type
`EQUIPMENT_MOVEMENT_STATUS`	`a.EQUIPMENT_MOVEMENT_STATUS`	`A2R_STG.ASSET`	`SLB_ASSETMOVEMENTSTATUS`	Passthrough
`MODIFICATION_STATUS`	`a.MODIFICATION_STATUS`	`A2R_STG.ASSET`	`SLB_MOD_STATUS`	Passthrough
`PM_DUE`	`a.PM_DUE`	`A2R_STG.ASSET`	`SLB_PMDUE`	Passthrough
`FCO_DUE`	`a.FCO_DUE`	`A2R_STG.ASSET`	`SLB_FCODUE`	Passthrough
`TECH_ST_COL`	`a.TECH_ST_COL`	`A2R_STG.ASSET`	`SLB_TECHST_COL`	Passthrough
`TECHNICAL_STATUS`	`a.TECHNICAL_STATUS`	`A2R_STG.ASSET`	`SLB_TECHSTATUS`	Passthrough
`EQUIPMENT_DESCRIPTION`	`a.EQUIPMENT_DESCRIPTION`	`A2R_STG.ASSET`	`DESCRIPTION`	Passthrough
`EQUIPMENT_STATUS_DATE`	`a.EQUIPMENT_STATUS_DATE`	`A2R_STG.ASSET`	`STATUSDATE`	Passthrough
`EQUIPMENT_CHANGE_DATE`	`a.EQUIPMENT_CHANGE_DATE`	`A2R_STG.ASSET`	`CHANGEDATE`	Passthrough
`PHYSICAL_LOCATION`	`a.PHYSICAL_LOCATION`	`A2R_STG.ASSET`	`SLB_CURR_PHYLOC`	Passthrough
`INSERVICE_DATE`	`a.INSERVICE_DATE`	`A2R_STG.ASSET`	`SLB_INSERVICEDATE`	Passthrough
`PARENT`	`a.PARENT`	`A2R_STG.ASSET`	`PARENT`	Passthrough
`HAS_SAMPLE`	`a.HAS_SAMPLE`	`A2R_STG.ASSET`	`SLB_SPL_HASSAMPLE`	Passthrough
`LOGISTIC_STATUS`	`a.LOGISTIC_STATUS`	`A2R_STG.ASSET`	`SLB_LOGISTICSTATUS`	Passthrough
`PLUST_MODEL`	`a.PLUST_MODEL`	`A2R_STG.ASSET`	`PLUSTMODEL`	Passthrough
`PLUST_YEAR`	`a.PLUST_YEAR`	`A2R_STG.ASSET`	`PLUSTYEAR`	Passthrough
`EDF_STATUS`	`a.EDF_STATUS`	`A2R_STG.ASSET`	`SLB_EDFSTATUS`	Passthrough
`OANUMBER`	`a.OANUMBER`	`A2R_STG.ASSET`	`SLB_OANUM`	Passthrough
`PRODUCTION_NUMBER`	`a.PRODUCTION_NUMBER`	`A2R_STG.ASSET`	`SLB_PRODUCTIONNUMBER`	Passthrough
`TOTAL_COST`	`a.TOTAL_COST`	`A2R_STG.ASSET`	`TOTALCOST`	Passthrough
`TOT_DOWN_TIME`	`a.TOT_DOWN_TIME`	`A2R_STG.ASSET`	`TOTDOWNTIME`	Passthrough
`YTD_COST`	`a.YTD_COST`	`A2R_STG.ASSET`	`YTDCOST`	Passthrough
`LEGACY_ASSETNUM`	`a.LEGACY_ASSETNUM`	`A2R_STG.ASSET`	`SLB_LEGACYASSETNUM`	Passthrough
`NEW_ASSETNUM`	`a.NEW_ASSETNUM`	`A2R_STG.ASSET`	`SLB_NEWASSETNUM`	Passthrough
`BUILD_DATE`	`a.BUILD_DATE`	`A2R_STG.ASSET`	`EQ23`	Passthrough
`MODSTATUS_COLOR`	`a.MODSTATUS_COLOR`	`A2R_STG.ASSET`	`SLB_MODSTATUS_COLOR`	Passthrough
`CompanyCode`	`a.CompanyCode`	`A2R_STG.ASSET`	`SLB_COMPANYCODE`	Passthrough

Output Column Name	Derivation Logic	Source Table(s)	Source Column(s)	Derivation Type
`LegalEntity`	`b.LegalEntity`	`QA_MAXIMO.SLB_ASSETEXT`	`SLB_LEGALENTITY`	Passthrough
`CURRENT_LOCATION_TYPE`	`b.CURRENT_LOCATION_TYPE`	`QA_MAXIMO.SLB_ASSETEXT`	`SLB_CURRLOCATIONTYPE`	Passthrough
`DFP`	`b.DFP`	`QA_MAXIMO.SLB_ASSETEXT`	`SLB_DFP`	Passthrough
`HRS_SINCE_LAST_SL`	`b.HRS_SINCE_LAST_SL`	`QA_MAXIMO.SLB_ASSETEXT`	`SLB_HRSSINCELASTSL`	Passthrough
`HOURS_PUMP`	`b.HOURS_PUMP`	`QA_MAXIMO.SLB_ASSETEXT`	`SLB_HRSPUMP`	Passthrough
`HOURS_EDT`	`b.HOURS_EDT`	`QA_MAXIMO.SLB_ASSETEXT`	`SLB_EDT`	Passthrough
`CREATEDBY`	`b.CREATEDBY`	`QA_MAXIMO.SLB_ASSETEXT`	`SLB_CREATEBY`	Passthrough
`STAMPED_SN`	`b.STAMPED_SN`	`QA_MAXIMO.SLB_ASSETEXT`	`SLB_STAMPEDSN`	Passthrough
`DOWN_FOR_REPAIR`	`b.DOWN_FOR_REPAIR`	`QA_MAXIMO.SLB_ASSETEXT`	`SLB_DOWNFORREPAIR`	Passthrough
`RIG_NAME`	`d.RIG_NAME`	`QA_MAXIMO.SLB_OPERATIONS`	`SLB_RIG_NAME`	Passthrough
`STAMPED_FC`	`b.STAMPED_FC`	`QA_MAXIMO.SLB_ASSETEXT`	`SLB_STAMPEDFC`	Passthrough
`MAX_TEMP`	`b.MAX_TEMP`	`QA_MAXIMO.SLB_ASSETEXT`	`SLB_TEMPMAX`	Passthrough
`MAX_SHOCK_LEVEL`	`b.MAX_SHOCK_LEVEL`	`QA_MAXIMO.SLB_ASSETEXT`	`SLB_SHOCKMAXLEVEL`	Passthrough
`MAX_DUR_SHOCK`	`b.MAX_DUR_SHOCK`	`QA_MAXIMO.SLB_ASSETEXT`	`SLB_SHOCKMAXDUR`	Passthrough
`SHOP_USE_ONLY`	`b.SHOP_USE_ONLY`	`QA_MAXIMO.SLB_ASSETEXT`	`SLB_SHOPUSEONLY`	Passthrough
`ASSIGNED_CLIENT`	`b.ASSIGNED_CLIENT`	`QA_MAXIMO.SLB_ASSETEXT`	`SLB_ASSIGNEDCLIENT`	Passthrough
`DAMAGED_BEYOND_REPAIR`	`b.DAMAGED_BEYOND_REPAIR`	`QA_MAXIMO.SLB_ASSETEXT`	`SLB_DAM_BEYOND_REP`	Passthrough
`TOOLSET_DFP`	`b.TOOLSET_DFP`	`QA_MAXIMO.SLB_ASSETEXT`	`SLB_TSDFP`	Passthrough
`COMPANY_NAME`	`D.COMPANY_NAME`	`QA_MAXIMO.SLB_OPERATIONS`	`SLB_COMPANY_NAME`	Passthrough
`DOCLINKSID`	`DOC.DOCLINKSID`	`QA_MAXIMO.DOCLINKS`	`DOCLINKSID`	Passthrough
`MATERIAL`	`DOC.MATERIAL`	`QA_MAXIMO.DOCLINKS`	`SLB_DMATTACH_MAT`	Passthrough
`MATERIAL_TYPE`	`DOC.MATERIAL_TYPE`	`QA_MAXIMO.DOCLINKS`	`SLB_DMATTACH_MTYPE`	Passthrough
`VENDOR`	`DOC.VENDOR`	`QA_MAXIMO.DOCLINKS`	`SLB_DMATTACH_VENDOR`	Passthrough
`YIELDSTRENGTH`	`DOC.YIELDSTRENGTH`	`QA_MAXIMO.DOCLINKS`	`SLB_DMATTACH_YLD`	Passthrough
`MATERIALCERTDATE`	`DOC.MATERIALCERTDATE`	`QA_MAXIMO.DOCLINKS`	`CHANGEDATE`	Passthrough
`DOCUMENT`	`DOC.DOCUMENT`	`QA_MAXIMO.DOCLINKS`	`DOCUMENT`	Passthrough
`DOC_VERSION`	`DOC.DOC_VERSION`	`QA_MAXIMO.DOCLINKS`	`DOCVERSION`	Passthrough
`GETLATEST_VERSION`	`DOC.GETLATEST_VERSION`	`QA_MAXIMO.DOCLINKS`	`GETLATESTVERSION`	Passthrough

Output Column Name	Derivation Logic	Source Table(s)	Source Column(s)	Derivation Type
`OWNER_ID`	`DOC.OWNERID`	`QA_MAXIMO.DOCLINKS`	`OWNERID`	Passthrough
`OWNER_TABLE`	`DOC.OWNER_TABLE`	`QA_MAXIMO.DOCLINKS`	`OWNERTABLE`	Passthrough
`REFERENCE`	`DOC.REFERENCE`	`QA_MAXIMO.DOCLINKS`	`REFERENCE`	Passthrough
`SLB_JUNK_REASON`	`SJR.SLB_JUNK_REASON`	`QA_MAXIMO.TICKET`	`SLB_JUNK_REASON`	Passthrough
`FIELDNAME`	`D.FIELDNAME`	`QA_MAXIMO.SLB_OPERATIONS`	`SLB_FIELDNAME`	Passthrough
`OPERATION_STATUS`	`D.OPERATION_STATUS`	`QA_MAXIMO.SLB_OPERATIONS`	`SLB_OPERATION_STATUS`	Passthrough
`RIG_TYPE`	`D.RIG_TYPE`	`QA_MAXIMO.SLB_OPERATIONS`	`SLB_RIG_TYPE`	Passthrough
`WELL_NAME`	`D.WELL_NAME`	`QA_MAXIMO.SLB_OPERATIONS`	`SLB_WELL_NAME`	Passthrough
`SOURCE`	`"EAR-AA-2392"`	-	-	Hardcoded Value
`UPDATED_DATETIME`	`CURRENT_TIMESTAMP()`	-	-	Derived Expression
`PROCESSING_DATE`	`CURRENT_TIMESTAMP()`	-	-	Derived Expression
`UPDATED_BY`	`"a2r-data-product-dataform : Equipment.sqlx"`	-	-	Hardcoded Value
`CREATED_DATETIME`	`CURRENT_TIMESTAMP()`	-	-	Derived Expression
`CREATED_BY`	`"a2r-data-product-dataform : Equipment.sqlx"`	-	-	Hardcoded Value

7. Incremental Logic

Parameter	Value	Description
:---	:---	:---
Strategy	`Full Load`	This model executes a full refresh every run, completely replacing the target table. There is no incremental logic applied.

8. Additional Operations

Operation	Expression	Location
:---	:---	:---
`GROUP BY`	`GROUP BY b.ASSETNUM, b.ASSETUID`	CTE `LatestDocsPerAsset`
`GROUP BY`	`GROUP BY ASSETNUM`	Subquery `K`
`GROUP BY`	`GROUP BY OWNERID, DOCTYPE`	Subquery `DOC` (within `BDOC`)

Operation	Expression	Location
`Window Function`	`row_number() over(partition by ASSETNUM order by SRC)`	CTE `LatestDocsPerAsset`
`Window Function`	`row_number() over(partition by OWNERID order by a.ROWSTAMP desc)`	CTE `LatestDocsPerAsset`
`Window Function`	`row_number() over(partition by ASSETNUM order by HIERARCHYLEVELS desc)`	Subquery `AA`
`Window Function`	`RANK() OVER (PARTITION BY SLB_OPERATIONNUMBER ORDER BY ROWSTAMP DESC)`	Subquery `D`
`Window Function`	`RANK() OVER (PARTITION BY UPPER(TRIM(A.ASSETNUM)) ORDER BY C.STATUSDATE DESC, C.TICKETID DESC)`	Subquery `SJR`
`DISTINCT`	`SELECT DISTINCT ASSETTYPE, ...`	Subquery `C`
`DISTINCT`	`SELECT DISTINCT ASSETNUM, ...`	Subquery `SJR`
`UNION ALL`	Combines asset and work order documents	CTE `LatestDocsPerAsset`

9. Column Descriptions

Column Name	Description
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EQUIPMENT_NUM	(No description provided)
SERIAL_NUM	(No description provided)
EQUIPMENT_ID	(No description provided)
...	(Descriptions are not provided for most columns in the mapping file)
TOT_DOWN_TIME	getdate() -Technical field

10. End-to-End Lineage Summary

Final Output Column	SQL Expression	Immediate Source	Upstream Source Table(s)	Upstream Source Column(s)
---	---	---	---	---
`EQUIPMENT_NUM`	`a.EQUIPMENT_NUM`	`A`	`A2R_STG.ASSET`	`ASSETNUM`
`TOPLEVELEQUIPMENT`	`AA.ANCESTOR`	`AA`	`QA_MAXIMO.ASSETANCESTOR`	`ANCESTOR`
`Activity`	`c.Activity`	`C`	`QA_MAXIMO.SLBTYPE`	`Activity`
`LegalEntity`	`b.LegalEntity`	`B`	`QA_MAXIMO.SLB_ASSETTEXT`	`SLB_LEGALENTITY`

Final Output Column	SQL Expression	Immediate Source	Upstream Source Table(s)	Upstream Source Column(s)
`RIG_NAME`	`d.RIG_NAME`	`D`	`QA_MAXIMO.SLB_OPERATIONS`	`SLB_RIG_NAME`
`DOCLINKSID`	`DOC.DOCLINKSID`	`DOC`	`QA_MAXIMO.DOCLINKS`	`DOCLINKSID`
`SLB_JUNK_REASON`	`SJR.SLB_JUNK_REASON`	`SJR`	`QA_MAXIMO.TICKET`	`SLB_JUNK_REASON`
`SOURCE`	`"EAR-AA-2392"`	(Hardcoded)	-	-
`UPDATED_DATETIME`	`CURRENT_TIMESTAMP()`	(Function)	-	-