



## Barcoding & Data Collection Systems Pty Ltd.

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### ISSN and SSN Table dividing modifications.

We have been battling speed issues for years with the ISSN and SSN tables we need to find other ways to improve system performances.

I also want to take the opportunity to organise the columns such that any CRUD screen shows the most important columns on screen i.e. 1<sup>st</sup> left side columns.

1. Split the current ISSN table into 2 new tables where:

ISSN\_DX - holds all ISSN records with Status = 'DX'

ISSN\_OTHER - holds all other ISSN Status records.

Looking at APCD's data on Barcode7 approximately 73% of the current ISSN records would be stored in ISSN\_DX.

I will add new Menu Option = DESPATCHED ISSN's and uses ISSN\_DX table.

We will need to retain a VIEW of the current ISSN table so that existing Reporting tools (at APCD and Bluescope) can still run.

2. Split the SSN table into multiple SSN\_???? Tables such that we can reduce the overall number of columns in each and better suit each site.

I am basing these modifications on Pinpoint, Bluescope, APCD and Alstom data.

But we have a challenge with STATUS\_SSN where approximately 73% of records (apcd) will also have 'DX' status - how do we best divide the SSN up?

Do we have some tables in two parts like the above i.e. SSN\_DX and SSN\_OTHER i.e. 'DX' records in 1 and all other STATUS\_SSN in another?

The main Minder Warehouse SSN screen would be based on using data from the following new tables:

SSN\_DESC - Holds mostly static Description details

SSN\_LEGACY - Holds data to/from Legacy Systems

SSN\_GRN - Holds how we received SSN

SSN\_LOCN - all Location details

SSN\_STATUS - all Status details

SSN\_OTHER - All User defined OTHER fields

SSN\_DIMS - Dimensions and UOM's

SSN\_IMAGES - All images

SSN\_MUSEUM - ALL Museum details (many new fields here)

SSN\_FINANCE - Financial details

SSN\_DEPRECN - Depreciation details

SSN\_DISPOSE - Disposal details

SSN\_TEST - Safety Testing, Calibration and Inspection details

SSN\_LOAN - Loan Details

Please note each table has same set up with following whereby the SSN\_XXXXX = Table Name i.e. the SSN\_DESC table has....

**SSN\_DESC\_LAST\_UPDTD\_BY**  
**SSN\_DESC\_LAST\_UPDTD\_DATE**  
**SSN\_DESC\_LAST\_UPDTD\_DEVICE**

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**TABLE = SSN\_DESC** - used to hold mostly static description details, has following columns:

<b>*SSN_ID</b>	
<b>SSN_DESCRIPTION</b>	- populated by current triggers
<b>PROD_ID</b>	-> <b>SSN_PROD_ID</b>
<b>SSN_TYPE</b>	
<b>GENERIC</b>	-> <b>SSN_TYPE2</b> so that it's clearer to Users
<b>SSN_SUB_TYPE</b>	-> <b>SSN_TYPE3</b> so that it's clearer to Users
<b>BRAND</b>	-> <b>SSN_BRAND</b>
<b>MODEL</b>	-> <b>SSN_MODEL</b>
<b>SERIAL_NUMBER</b>	-> <b>SSN_SERIAL_NO</b>
<b>SSN_COLOUR</b> <b>CODE</b>	- <u>New Field</u> reqd for Museum Objects - Use OPTIONS for dropdown list
<b>WARRANTY_EXPIRY_DATE</b>	-> <b>SSN_WARRANTY_EXPIRY_DATE</b>
-This used by both Assets and APCD sales. Once it is entered it remains for life of SSN hence is static.	
<b>SSN_DESC_LAST_UPDTD_BY</b>	
<b>SSN_DESC_LAST_UPDTD_DATE</b>	
<b>SSN_DESC_LAST_UPDTD_DEVICE</b>	

**TABLE = SSN\_LEGACY** – used to hold mainly Fixed Asset Register details even though Assets will also of course require the SSN\_DESC

<b>LEGACY_ID</b>	-> <b>SSN_LEGACY_ID</b>
<b>OLD_SSN_ID</b>	-> <b>SSN_OLD_SSN_ID</b>
<b>PARENT_SSN_ID</b>	-> <b>SSN_PARENT_SSN_ID</b>
<b>ALT_NAME</b>	-> <b>SSN_ALT_NAME</b>
<b>RETICULATION</b>	-> <b>SSN_RETICULATION</b>
<b>VERSION</b>	-> <b>SSN_VERSION</b>
<b>VERSION_DATE</b>	-> <b>SSN_VERSION_DATE</b>
<b>PRODUCT</b>	-> <b>SSN_EXT_PROD_ID</b>
- External Supplier's Product Code	
<b>LICENCE_NUMBER</b>	-> <b>SSN_LICENCE_NO</b>
<b>PDF_DESCRIPTION</b>	-> <b>SSN_PDF_DESCR</b>
- Prefer to move into SSN_MUSEUM table if not being used by non-museum sites.	
<b>NOTES</b>	-> <b>SSN_NOTES</b>
<b>SSN_GROUP</b>	- not sure what we use this for and maybe better in another SSN_ Table??
<b>SSN_LEGACY_LAST_UPDTD_BY</b>	
<b>SSN_LEGACY_LAST_UPDTD_DATE</b>	
<b>SSN_LEGACY_LAST_UPDTD_DEVICE</b>	

**TABLE = SSN\_GRN** - How the Object (SSN) was delivered to the Warehouse and has the following fields (again can we prefix all field names with SSN\_?):

**\*SSN\_ID**

**GRN** -> **SSN\_GRN**  
**ORIGINAL\_QTY** -> **SSN\_ORIGINAL\_QTY**

**SSN\_ORIGINAL\_QTY\_F**  
- not sure what this is used for??

**PO\_ORDER** -> **SSN\_PO\_ORDER**  
**PO\_LINE** -> **SSN\_PO\_LINE**  
**SUPPLIER\_ID** -> **SSN\_SUPPLIER\_ID**  
**PO\_RECEIVE\_DATE** -> **SSN\_PO\_RECVD\_DATE**

- we should remove duplication with **PURCHASE\_DATE?**

**LOT\_BATCH\_NO** -> **SSN\_LOT\_BATCH\_NO**  
**USE\_BY\_DATE** -> **SSN\_USE\_BY\_DATE**

**SSN\_BEST\_BEFORE\_DATE** - New Field

**CREATE\_DATE** -> **SSN\_CREATE\_DATE** Not sure if this should be here

**CREATED\_BY** -> **SSN\_CREATED\_BY**

**SSN\_GRN\_LAST\_UPDTD\_BY**

**SSN\_GRN\_LAST\_UPDTD\_DATE**

**SSN\_GRN\_LAST\_UPDTD\_DEVICE**

**TABLE = SSN\_LOCN**

This Table is designed to hold all SSN Location properties where it has the following fields (again can we prefix all field names with SSN\_?):

**\*SSN\_ID**

WH_ID	-> SSN_WH_ID
LOCN_ID	-> SSN_LOCN_ID
INTO_DATE	-> SSN_INTO_DATE
CURRENT_QTY	-> SSN_CURRENT_QTY
- I agree this may not seem obvious in this table but where else?	
PREV_WH_ID	-> SSN_PREV_WH_ID
PREV_LOCN_ID	-> SSN_PREV_LOCN_ID
DT_PREV_INTO	-> SSN_DT_PREV_INTO
PREV_LOCN_DATE	-> SSN_PREV_LOCN_DATE
- is this duplication of DT_PREV_INTO?	
PARENT_LOCN_ID	-> SSN_PARENT_LOCN_ID
HOME_LOCN_ID	-> SSN_HOME_LOCN_ID
IP_ADDRESS	-> SSN_IP_ADDRESS
- Make sure it holds IPV6?	
AUDITED	-> SSN_AUDITED
AUDITED_DATE	-> SSN_AUDITED_DATE
AUDIT_RECOUNT_QTY	-> SSN_AUDIT_RECOUNT_QTY
AUDIT_RECOUNT_DATE	-> SSN_AUDIT_RECOUNT_DATE
AUDIT_RECOUNT_BY	-> SSN_AUDIT_RECOUNT_BY
LABEL_LOCN	-> SSN_LABEL_LOCN
LABEL_DATE	-> SSN_LABEL_DATE
PRINTED_BY	-> SSN_PRINTED_BY
SSN_LOCN_LAST_UPDTD_BY	
SSN_LOCN_LAST_UPDTD_DATE	
SSN_LOCN_LAST_UPDTD_DEVICE	

**TABLE = SSN\_STATUS**

This table is designed to hold all Status type data including Hazard status and which has the following fields (again can we prefix all field names with SSN\_?):

**\*SSN\_ID**

**STATUS\_SSN** -> **SSN\_STATUS**

**STATUS\_SSN\_DATE** -> **SSN\_STATUS\_DATE**

**STATUS\_CODE** -> **SSN\_STATUS\_CODE**

**STATUS\_CODE\_DATE** -> **SSN\_STATUS\_CODE\_DATE**

**LOAN\_STATUS** -> **SSN\_LOAN\_STATUS**

**HAZARD\_STATUS** -> **SSN\_HAZARD\_STATUS**

**HAZARD\_WARNING** -> **SSN\_HAZARD\_WARNING**

**SSN\_INOPERABLE** **VALUE\_TF** -> New Field for Museum Object - e.g. 'T' = weapon has been made inoperable. I do not wish to mix with OTHER3 fields

**OBJECT\_STATUS** -> **SSN\_OBJECT\_STATUS**

Need to use for Museum reporting where Object is Accessioned (i.e. part of Collection) or DeAccessioned

**SSN\_STATUS\_LAST\_UPDTD\_BY**

**SSN\_STATUS\_LAST\_UPDTD\_DATE**

**SSN\_STATUS\_LAST\_UPDTD\_DEVICE** /\* length = 28 characters \*/

**TABLE = SSN\_OTHER**

Holds all the User defined OTHERx fields and which has the following fields (again can we prefix all field names with SSN\_?):

**\*SSN\_ID**

OTHER1	-> SSN_OTHER1
OTHER2	-> SSN_OTHER2
OTHER3	-> SSN_OTHER3
OTHER4	-> SSN_OTHER4
OTHER5	-> SSN_OTHER5
OTHER6	-> SSN_OTHER6
OTHER7	-> SSN_OTHER7
OTHER8	-> SSN_OTHER8
OTHER9	-> SSN_OTHER9
OTHER10	-> SSN_OTHER10
OTHER11	-> SSN_OTHER11
OTHER12	-> SSN_OTHER12
OTHER13	-> SSN_OTHER13
OTHER14	-> SSN_OTHER14
OTHER15_DATE	-> SSN_OTHER15_DATE
OTHER16_DATE	-> SSN_OTHER16_DATE
OTHER17_QTY	-> SSN_OTHER17_QTY
OTHER18_QTY	-> SSN_OTHER18_QTY
OTHER19	-> SSN_OTHER19
OTHER20	-> SSN_OTHER20
SSN_OTHER21 CODE_255	- New
SSN_OTHER22 CODE_8K	- New
SSN_OTHER23 CODE_32K	- New
SSN_OTHER24 NOTES	- New
SSN_OTHER25 NOTES	- New
SSN_OTHER_LAST_UPDTD_BY	
SSN_OTHER_LAST_UPDTD_DATE	
SSN_OTHER_LAST_UPDTD_DEVICE	/* length = 27 characters */

**TABLE = SSN\_DIMS**

Holds dimensions and UoMs and which has the following fields (again can we prefix all field names with SSN\_?):

**\*SSN\_ID**

**DIMENSION\_X** -> **SSN\_DIMENSION\_X**

**DIMENSION\_Y** -> **SSN\_DIMENSION\_Y**

**DIMENSION\_Z** -> **SSN\_DIMENSION\_Z**

**DIMENSION\_INNER\_DIA** **WIDTH (DOUBLE PRECISION)** - **new field** required

**DIMENSION\_OUTER\_DIA** **WIDTH (DOUBLE PRECISION)** - **new field** required

**DIMENSION\_X\_UOM** - > **SSN\_DIMENSION\_UOM** and used for all Dimensions?

**UOM** -> **SSN\_ORDER\_UOM**

- So that it's not confused with PROD\_PROFILE UOM's?

**SSN\_SALE\_UOM**

**STORAGE\_UOM** -> **SSN\_STORAGE\_UOM**

**NET\_WEIGHT** -> **SSN\_NET\_WEIGHT**

**NET\_WEIGHT\_UOM** -> **SSN\_NET\_WEIGHT\_UOM**

**SSN\_DIMS\_LAST\_UPDTD\_BY**

**SSN\_DIMS\_LAST\_UPDTD\_DATE**

**SSN\_DIMS\_LAST\_UPDTD\_DEVICE** /\* length = 26 characters \*/



**TABLE = SSN\_IMAGES**

We do have an Images table but not sure which to use should we convert to using IMAGES table?:

**\*SSN\_ID**

**OBJECT\_IMAGE1 -> SSN\_OBJECT\_IMAGE1**

**OBJECT\_IMAGE2 -> SSN\_OBJECT\_IMAGE2**

**OBJECT\_IMAGE3 -> SSN\_OBJECT\_IMAGE3**

**HAZARD\_IMAGE1 -> SSN\_HAZARD\_IMAGE1**

**HAZARD\_IMAGE2 -> SSN\_HAZARD\_IMAGE2**

**HAZARD\_IMAGE3 -> SSN\_HAZARD\_IMAGE3**

**SSN\_IMAGES\_LAST\_UPDTD\_BY**

**SSN\_IMAGES\_LAST\_UPDTD\_DATE**

**SSN\_IMAGES\_LAST\_UPDTD\_DEVICE /\* length = 28 characters \*/**

**TABLE = SSN\_MUSEUM**

This table is specifically for Museums but I have more fields to be added to suit 4RAR.

**RECORD\_ID** - we should be adding this as standard

**\*SSN\_ID**

**OBJECT\_NAME** current, change to -> **SSN\_OBJECT\_NAME**

**OBJECT\_NUMBER** current, change to -> **SSN\_OBJECT\_NO**

**COLLECTION\_TYPE** - VARCHAR(5) -> **SSN\_COLLECTION\_TYPE** - Uses OPTIONS

**COLLECTION\_NAME** current, change to -> **SSN\_COLLECTION\_NAME**

**FILE\_NUMBER** current, change to -> **SSN\_FILE\_NO** (shorten NUMBER to NO)

**ACCESSION** - VARCHAR ( 80 ) current, change to -> **SSN\_ACCESSION**.

- Used to hold Catalogue no. or Accession no.

**SSN\_ACQUISITION\_METHOD CODE** - We will use dropdown from OPTIONS e.g.

'DONATED', 'Purchased at Auction', 'Swapped'.

**SSN\_ACQUISITION\_APPRVD\_BY PERSON** - Museum Staff who approved acquisition

**SSN\_ACQUISITION\_APPRVD\_DATE**

**SSN\_ACQUISITION\_ACCEPTED VALUE\_FT (DEFAULT = 'T')** - If = 'T' and

**SSN\_ACQUISITION\_METHOD CODE\_TWO – 'DN'** = 'DONATED' then must send

Acknowledgement otherwise send Refusal Letter

**SSN\_ACCEPT\_REFUSE\_NOTES NOTES** - Records details of Letter sent accepting or refusing Acquisition

**SSN\_ACCEPTED\_REASON\_CODE CODE\_TWO – 'PC'** = Permanent Collection, **'LC'** = Loan Collection, **'EC'** = Education Collection – use OPTIONS

**SSN\_ACCEPTED\_REFUSED\_SENT TIMESTAMP**

**SSN\_SIGNIFICANCE CODE CODE\_TWO – 'AS'** = Aesthetic, **'HI'** = Historical

Importance, others maybe **'SO'** = Social, **'HT'** = Historical Technical, **'RS'** = Research, Representativeness, Rarity value - Use OPTIONS table.

**SSN\_SIGNIFICANCE\_NOTES COMMENTS**

**SSN\_SOURCE\_ID PERSON** - This may be different to the **GRN.SUPPLIER\_ID** i.e. a Donor and with details in PERSON\_ADDRESS table.

**SSN\_SOURCE\_SIGNATURE VALUE\_TF** - Used for Gifts and where Donor's signature is required approving their donation. **'F'** means they do not have signature.

**SSN\_PREV\_OWNER COMMENTS** – Used to record where Object acquired from and relationship to Museum i.e. 'George Smith, Deceased Estate. John Smith, son has donated to Museum.'

**SSN\_RELEVANCE\_PERIOD CODE** - e.g. '< 1898', '1939 - 1945'...

- We will use dropdown from OPTIONS table

**SSN\_MADE\_BY\_ORIGIN CODE** - e.g. 'Rhine Region, Germany', 'Vietnam' – Museum may not know manufacturer.

**SSN\_MADE\_BY CODE** - Manufacturer, Artist, Photographer, Author - This is not same as BRAND. Maybe a letter, painting, photograph, book, technical publication..

**SSN\_MADE\_BY\_MARKINGS CODE** - Artist Signature, Maker's Mark/s.

**SSN\_MARKINGS\_LOCATION CODE** - Location of Artist Signature, Maker's Mark on Object e.g. 'Bottom RH Corner'

**SSN\_MADE\_BY\_PERIOD CODE** - e.g. '< 1898', '1939 - 1945' – Not the same as Relevance Period. We will use dropdown from OPTIONS

**SSN\_OBJECT\_USED\_AREA COMMENTS** - Where was Object used e.g. 'Vietnam War'

**SSN\_HISTORY NOTES - BLOB SUB\_TYPE TEXT**

**SSN\_HISTORY\_REFERENCES – COMMENTS**

**SSN\_CONSERVATION\_REPORT VALUE\_TF (DEFAULT = 'F')**.

Used to report which Objects have not been assessed and reported for conservation.

**SSN\_CONSERVATION\_NOTES NOTES - BLOB SUB\_TYPE TEXT**

**SSN\_CONSERVATION\_REPORT\_DATE**

**SSN\_CONSERVATION\_NOTES\_BY PERSON - VARCHAR( 10 )**

**SSN\_ASSOCIATED\_ITEMS NOTES - BLOB SUB\_TYPE TEXT**

**SSN\_DEACCESSIONED\_VALUE\_TF** If Object fails conservation => T, may not yet have been Disposed and will not be part of Museum's Inventory.

**SSN\_DEACCESSIONED\_DATE TIMESTAMP**

**SSN\_DEACCESSIONED\_BY**

**SSN\_MUSEUM\_LAST\_UPDTD\_BY**

**SSN\_MUSEUM\_LAST\_UPDTD\_DATE**

**SSN\_MUSEUM\_LAST\_UPDTD\_DEVICE** /\* length = 28 characters \*/

**TABLE = SSN\_FINANCE**

Holds mainly Financial related details and which has the following fields (again can we prefix all field names with SSN\_?):

**\*SSN\_ID**

**SSN\_SALE\_PRICE**

**COMPANY\_ID**

-> **SSN\_COMPANY\_ID**

**PURCHASE\_PRICE**

-> **SSN\_PURCHASE\_PRICE**

**PURCHASE\_QTY**

-> **SSN\_PURCHASE\_QTY**

**PURCHASE\_DATE**

-> **SSN\_PURCHASE\_DATE**

**ACQUISITION\_COST**

-> **SSN\_ACQUISITION\_COST**. This is used by Depreciation and Museums screens. Includes Freight and other commissioning costs.

**SSN\_RECEIPT\_NO INVOICE\_NUMBER - VARCHAR ( 15) - new field** for Museums when items are purchased without Purchase Orders.

**SSN\_VALUATION\_METHOD CODE - New Field** required for MUSEUMs and Depreciation

**INSURED\_VALUE**

-> **SSN\_INSURED\_VALUE**

**SSN\_VALUED\_BY PERSON - New Field** required for Musuems

**DIVISION\_ID**

-> **SSN\_DIVISION\_ID**

**COST\_CENTER**

-> **SSN\_COST\_CENTER**

**DEPARTMENT\_ID**

-> **SSN\_DEPARTMENT\_ID**

**SSN\_TAX\_APPLICABLE**

**GOV\_TAX**

-> **SSN\_GOV\_TAX** - not sure what used for??

**LEASED**

-> **SSN\_LEASED**

**LEASE\_EXPIRY\_DATE**

-> **SSN\_LEASE\_EXPIRY\_DATE**

**LEASOR**

-> **SSN\_LEASOR**

**LEGACY\_LEDGER\_SALE\_CODE**

-> **SSN\_LEGACY\_SALE\_PROD\_ID\_CODE**

**LEGACY\_LEDGER\_DEPOSIT\_CODE**

-> **SSN\_LEGACY\_DEPOSIT\_CODE**

**LEGACY\_LEDGER\_PURCHASE\_CODE**

-> **SSN\_LEGACY\_PURCHASE\_CODE**

**LEGACY\_LEDGER\_SALE\_SSN\_ID\_CODE**

-> **SSN\_LEGACY\_SALE\_SSN\_ID\_CODE**

**SSN\_FINANCE\_LAST\_UPDTD\_BY**

**SSN\_FINANCE\_LAST\_UPDTD\_DATE**

**SSN\_FINANCE\_LAST\_UPDTD\_DEVICE** /\* length = 29 characters \*/

**TABLE = SSN\_DEPRECN**

Which has the following fields (again can we prefix all field names with SSN\_?):  
Note new fields and the order of columns.

**\*SSN\_ID**

COMMISSIONED_DATE	-> SSN_COMMISSIONED_DATE
DEPRECIATE	-> SSN_DEPRECIATE
DEPRECIATE_DATE	-> SSN_DEPRECIATE_DATE
DEPRECIATION_LIMIT	-> SSN_DEPRECIATION_LIMIT
TERMINATION_VALUE	-> SSN_TERMINATION_VALUE
DEPRECIATE_METHOD1	-> SSN_DEPRECIATE_METHOD1
BOOK_VALUE1	-> SSN_BOOK_VALUE1
DEPRECIATED_VALUE1	-> SSN_DEPRECIATED_VALUE1
DEPSTART_PERIOD1	-> SSN_DEPSTART_PERIOD1
DEPEND_PERIOD1	-> SSN_DEPEND_PERIOD1
FREEZE_VALUE1	-> SSN_FREEZE_VALUE1
FREEZE_DATE	-> SSN_FREEZE_DATE1
DEPRECIATE_METHOD2	-> SSN_DEPRECIATE_METHOD2
BOOK_VALUE2	-> SSN_BOOK_VALUE2
DEPRECIATED_VALUE2	-> SSN_DEPRECIATED_VALUE2
DEPSTART_PERIOD2	-> SSN_DEPSTART_PERIOD2
DEPEND_PERIOD2	-> SSN_DEPEND_PERIOD2
FREEZE_VALUE2	-> SSN_FREEZE_VALUE2
SSN_FREEZE_DATE2	
DEPRECIATE_METHOD3	-> SSN_DEPRECIATE_METHOD3
BOOK_VALUE3	-> SSN_BOOK_VALUE3
DEPRECIATED_VALUE3	-> SSN_DEPRECIATED_VALUE3
DEPSTART_PERIOD3	-> SSN_DEPSTART_PERIOD3
DEPEND_PERIOD3	-> SSN_DEPEND_PERIOD3
FREEZE_VALUE3	-> SSN_FREEZE_VALUE3
SSN_FREEZE_DATE3	
LIFE_PERIODS1	-> SSN_LIFE_PERIODS1
LIFE_PERIODS2	-> SSN_LIFE_PERIODS2
SSN_LIFE_PERIODS3	
LIFE_UNITS_USED	-> SSN_LIFE_UNITS_USED
LIFE_UNITS	-> SSN_LIFE_UNITS
SSN_DEPRECN_LAST_UPDTD_BY	
SSN_DEPRECN_LAST_UPDTD_DATE	
SSN_DEPRECN_LAST_UPDTD_DEVICE	/* length = 29 characters */

**TABLE = SSN\_DISPOSE**

Which has the following fields (again can we prefix all field names with SSN?):

**\*SSN\_ID**

**DISPOSED** -> **SSN\_DISPOSE**

**DISPOSAL\_COST** -> **SSN\_DISPOSAL\_COST** indicates payment to dispose.

**DISPOSAL\_PRICE** -> **SSN\_DISPOSAL\_INCOME** to indicate income received.

**DISPOSAL\_DATE** -> **SSN\_DISPOSE\_DATE**

**DISPOSAL\_NOTES** -> **SSN\_DISPOSE\_NOTES**

**SSN\_DISPOSE\_METHOD CODE** - New Field for Museums - use **OPTIONS**

**SSN\_DISPOSE\_LAST\_UPDTD\_BY**

**SSN\_DISPOSE\_LAST\_UPDTD\_DATE**

**SSN\_DISPOSE\_LAST\_UPDTD\_DEVICE** /\* length = 29 characters \*/

**TABLE = SSN\_TEST**

Which has the following fields (again can we prefix all field names with SSN?):  
We do not need the LOAN in field names.

**\*SSN\_ID**

QUESTION_ID	-> SSN_QUESTION_ID
ANSWER_ID	-> SSN_ANSWER_ID
LOAN_SAFETY_CHECK	-> SSN_SAFETY_CHECK
LOAN_LAST_SAFETY_CHECK_DATE	-> SSN_SAFETY_LAST_CHECK_DATE
LOAN_SAFETY_PERIOD_NO	-> SSN_SAFETY_PERIOD_NO
LOAN_SAFETY_PERIOD	-> SSN_SAFETY_PERIOD
LOAN_SAFETY_PASS	-> SSN_SAFETY_PASS
LOAN_SAFETY_TAG_COLOUR	-> SSN_SAFETY_TAG_COLOUR
LOAN_CALIBRATE_CHECK	-> SSN_CALIBRATE_CHECK
LOAN_LAST_CALIBRATE_CHECK_DATE	-> SSN_CALIBRATE_LAST_CHECK_DATE
LOAN_CALIBRATE_PERIOD_NO	-> SSN_CALIBRATE_PERIOD_NO
LOAN_CALIBRATE_PERIOD	-> SSN_CALIBRATE_PERIOD
LOAN_CALIBRATE_PASS	-> SSN_CALIBRATE_PASS
LOAN_INSPECT_CHECK	-> SSN_INSPECT_CHECK
LOAN_LAST_INSPECT_CHECK_DATE	-> SSN_INSPECT_CHECK_DATE
LOAN_INSPECT_PERIOD_NO	-> SSN_INSPECT_PERIOD_NO
LOAN_INSPECT_PERIOD	-> SSN_INSPECT_PERIOD
LOAN_INSPECT_NOTES	-> SSN_INSPECT_NOTES
SSN_INSPECT_PASS VALUE_TF	- <u>NEW FIELD</u> REQUIRED.
SSN_TEST_LAST_UPDTD_BY	
SSN_TEST_LAST_UPDTD_DATE	
SSN_TEST_LAST_UPDTD_DEVICE	/* length = 26 characters */

**TABLE = SSN\_LOAN**

Which has the following fields (again can we prefix all field names with SSN\_?):

We need more field to enable graphical display of Booked Loan Dates.

Note the SSN\_STATUS Table holds the current Loan Status

Note RECORD\_ID is the unique key for multiple records with same SSN\_ID

**\*RECORD\_ID** - enables multiple Loan Bookings  
**SSN\_ID**  
**SSN\_LOAN\_ORDER\_NO PICK\_ORDER** - i.e. Transfer Order No.  
**LOAN\_PERIOD\_NO** -> **SSN\_LOAN\_PERIOD\_NO**  
**LOAN\_PERIOD** -> **SSN\_LOAN\_PERIOD**  
**SSN\_LOAN\_START\_DATE** - new field – Planned Issue date – not actual  
**SSN\_LOAN\_START\_ACT\_DATE** - new field – actual issued date  
**SSN\_LOAN\_RETURN\_DATE** - new field – Expected Return date – not actual  
**SSN\_LOAN\_RETURN\_ACT\_DATE** - new field – Actual Returned date  
**SSN\_LOAN\_COMPLETED VALUE\_TF** – Used to flag loan issue and then when returned => 'T' or if forced because loan terminated due to being lost and ready for archiving.  
**LOAN\_COST\_BASE** -> **SSN\_LOAN\_COST\_BASE**  
**SSN\_LOAN\_LAST\_UPDTD\_BY**  
**SSN\_LOAN\_LAST\_UPDTD\_DATE**  
**SSN\_LOAN\_LAST\_UPDTD\_DEVICE** /\* length = 26 characters \*/