Changes to DW Data Set Dictionaries

As of August 9, 2011, the format of the Data Warehouse data dictionaries is changing to prepare for future Data Warehouse data sets. There are minor changes to both the data model diagrams and text portions of the dictionaries. This document provides a detailed explanation of the changes. For a summarized version, see Summary of Data Dictionary Changes. Here is a sample of the new data dictionary format.

Note: These changes do not apply to the Development data set or any of the legacy data sets.

Differences in the data model diagrams:

A) Join lines will now connect directly to the table/entity.
   i) The brackets previously built around multiple elements to illustrate multiple element joins no longer exist. ITS is using a new modeling tool which imposes an industry standard.
   ii) Join lines will no longer start and end at the element(s) involved in the join. Instead, they will start and end at table borders.
   iii) For detailed information about joins, see description of joins between tables (macro-enabled Excel file).
B) Previously tables/views with a different refresh rate from the rest of the data set or that were owned by a different schema were depicted with dashed lines outlining them. They now have a text note above them.
C) Views are now indicated by dashed lines. See B) above for additional implications of this change. The view outlines are also rounded.
D) The elements(s) that make up the key for a table are now denoted by (PK) following the element name rather than having the element name underlined.
E) Views no longer indicate which element(s) make up the key.
F) Tables/views that are abbreviated to save space may now show additional elements beyond the table key element(s) and those elements used in joins. This is because the new modeling tool displays the table/view elements in physical order. The only way to minimize the table/view display box to hide elements that are listed after those needed as keys or as join elements.
G) Secured tables were previously indicated by a thick border. They now have a text note above them.
H) Join lines are consolidated when:
   a. The fields used in the joins are exactly the same for all tables being considered.
   AND
   b. The optionality of the joins is the same for all tables being considered
   AND
   c. The cardinality (one-to-many, many-to-many) is the same for all tables being considered
I) Minor rearranging of tables on a model page may have occurred to reduce the crossing of join lines.
Changes to DW Data Set Dictionaries

New model format

Legend
- PK = Key Field
- One to One
- One to Many
- Many to Many
- Outer Join
- Secured Table
- Check Status Table
- View

Secured Table
- DW_DATA
- EXTRACT_DT
- LOAD_DT
- DW_OWNER

(See Page 6)

Secured Table
- PERSONAL_DATA
- EMPID (PK)

(See Page 8)

Secured Table
- MERCHANT_AUTHORIZED_USER
- MERCHANT_NUM (PK)
- EMPID (PK)

(See Page 8)

Secured Table
- USER_CERTIFICATION
- EMPID (PK)
- CERT_TYPE (PK)
- CERT_DESCR300
- CERT_EXPIRE_DT
- CERT_LAST_ATTEMPT_DT
- CERT_LAST_ATTEMPT_RSLT

(See Page 8)

Secured Table
- ENDOW_DIST
- FUND_CODE (PK)
- DEPTID (PK)
- CLASS (PK)
- QTR_END_DT (PK)

(See Page 8)

Secured Table
- REV_EXP_JRNL_LN_VW
- JOURNAL_ID (PK)
- JOURNAL_DATE (PK)
- JOURNAL_LINE (PK)

(See Page 4)

Secured Table
- CAL_DETP_TBL
- FISCAL_YEAR (PK)
- ACCOUNTING_PERIOD (PK)

(See Page 6)
Changes to DW Data Set Dictionaries

Differences in the text portion of the data dictionaries:

1) Wrapping of table, view, and element names is automatic instead of manual.
2) For elements used in multiple data sets, a row will display for each data set in which they are used (i.e., logical name, definition, examples), rather than being combined into one row. Elements used in multiple tables within the same data set will continue to be combined into one row.
3) The text “Examples of valid values:” will display in every cell in the “Examples of Valid Values” column.
# Changes to DW Data Set Dictionaries

## Old Dictionary Format

<table>
<thead>
<tr>
<th>Physical Element Name</th>
<th>Logical Element Name</th>
<th>Format Type</th>
<th>Format Length</th>
<th>Data Set</th>
<th>Table Locations</th>
<th>Security Code</th>
<th>Element Definition</th>
<th>Examples of Valid Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCOUNT_GRP_ISR_BUDGET</td>
<td>Account Group Institute for Social Research (ISR) Budget Code</td>
<td>Character</td>
<td>6</td>
<td>M_GLDW1</td>
<td>ACCOUNT_TBL CURR_ACCOUNT_VW</td>
<td>R</td>
<td>A code used to associate expense accounts with higher-level budgetary accounts used for ISR Budget. Note: sourced from the BUD_TRAN_ACCT_ISR tree.</td>
<td>911100 = Administrative Salaries; 911550 = Respondents/Subjects; 911900 = Research Supplies &amp; Services</td>
</tr>
<tr>
<td>ACCOUNT_GRP_SP_VOL_RES_DESCR</td>
<td>Account Group Sponsored Programs Volume Research Description</td>
<td>Character</td>
<td>30</td>
<td>M_GLDW1</td>
<td>ACCOUNT_TBL CURR_ACCOUNT_VW</td>
<td>R</td>
<td>A textual description of the code used to group accounts by sponsored research.</td>
<td>Salaries and Wages; Transfers and Distributions; Indirect Cost</td>
</tr>
<tr>
<td>CLASS</td>
<td>Class Code</td>
<td>Character</td>
<td>5</td>
<td>M_SMDW2</td>
<td>PLANT_WORKREQUEST_DETAIL RM_ORA_CHARTFIELDS SVY_ORA_CHARTFIELDS M_GLDW1</td>
<td>R</td>
<td>A code used to group related activities directed towards the accomplishment of a set of common identifiable objectives or purposes.</td>
<td>11000 = General Academic Instruction; 21000= Departmental Research; 72000 = Utilities; 1100x = Gen Acad Instr-ICRX</td>
</tr>
</tbody>
</table>
# Changes to DW Data Set Dictionaries

## New Dictionary Format

<table>
<thead>
<tr>
<th>Physical Element Name</th>
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<th>Examples of Valid Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCOUNT_GRP_ISR_BUDGET</td>
<td>Account Group</td>
<td>Character</td>
<td>6</td>
<td>M_GLDW1</td>
<td>ACCOUNT_TBL</td>
<td>R</td>
<td>A code used to associate expense accounts with higher-level budgetary accounts used for ISR Budget. Note: sourced from the BUD_TRAN_ACCT_ISR tree.</td>
<td>Examples of Valid Values: 911100 = Administrative Salaries; 911550 = Respondents/Subjects; 911900 = Research Supplies &amp; Services</td>
</tr>
<tr>
<td>ACCOUNT_GRP_SP_VOL_RES</td>
<td>Account Group</td>
<td>Character</td>
<td>20</td>
<td>M_GLDW1</td>
<td>ACCOUNT_TBL</td>
<td>R</td>
<td>A code used to group accounts by sponsored research. Note: sourced from the SP_VOL_RESRCH_ACCT tree.</td>
<td>Examples of Valid Values: SAL_AND_WAGES = Salaries and Wages; TRANSFERS_AND_DIST = Transfers and Distributions; INDIRECT_COST = Indirect Cost</td>
</tr>
<tr>
<td>CLASS</td>
<td>Class Code</td>
<td>Character</td>
<td>5</td>
<td>M_GLDW1</td>
<td>CLASS_CF_TBL</td>
<td>R</td>
<td>A code used to group related activities directed towards the accomplishment of a set of common identifiable objectives or purposes.</td>
<td>Examples of Valid Values: 11000 = General Academic Instruction; 21000 = Departmental Research; 72000 = Utilities; 1100x = Gen Acad Instr-ICRX</td>
</tr>
<tr>
<td>CLASS</td>
<td>Class Code</td>
<td>Character</td>
<td>5</td>
<td>M_SMDW2</td>
<td>PLANT_WORKREQUEST_DETAIL</td>
<td>R</td>
<td>A code used to group related activities directed towards the accomplishment of a set of common identifiable objectives or purposes.</td>
<td>Examples of Valid Values: 11000 = General Academic Instruction; 21000 = Departmental Research; 72000 = Utilities; 1100x = Gen Acad Instr-ICRX</td>
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8/1/2011