Student Attributes
in the Data Warehouse

Effective April 2005, Decision Support has modified the processing logic used to populate the EDW table T_STUDENT_ATTR_HIST. These changes effectively design T_STUDENT_ATTR_HIST as a copy of the Banner Student Attribute table SGRATT. Both the Banner and the EDW tables are Term Code Effective.

- DS has accommodated deleted ATTR Codes by adding current info indicators of D = Delete or Y = Current (add/update table). So, for every row that is in the Banner SGRSATT table, there will be the same row in the ATTR_HIST table, with the current info indicator = Y. If a row is deleted from the SGRSATT table, we will mark the row as deleted in the ATTR_HIST table by setting the current info indicator = D. The mapping does not, however, set any row's current info indicator = N. It is not behaving as a true "Historical" table; we only do inserts and logical "deletes".

- DS has accommodated 1, 2, and 4 99999 term codes by updating the ETL to recognize these rows and bring them into the EDW.

- DS has confirmed the T_STUDENT_ATTR table contains only ACTIVE attributes for students who have a registration header record. Essentially this means that students who have attempted to register or have registered for a term will have a row in the T_STUDENT_ATTR table with their active attributes. If a student has not registered or attempted to register for a term, they will NOT appear in this table, even if they have active attributes.

In addition, NULL rows are appropriate in the EDW; these rows serve to 'end-term' attributes like the Banner application. For example in the T_STUDENT_ATTR_HIST table,

SELECT   term_cd_eff, student_attr_cd   FROM t_student_attr_hist   WHERE ((edw_pers_id = '1930467')
        AND (student_attr_hist_cur_info_ind = 'Y')) ORDER BY term_cd_eff

Query Results:

TERM_CD_EFF	STUDENT_ATTR_CD
120058	1DIS
120058	1RHS
120058	1URH
120058	1UT1
120061	1DIS
120061	1RHS
120065	"Appears blank"
199999	"Appears blank"

In the Banner Table, SGRSATT table

SELECT   sgrsatt_term_code_eff , sgrsatt_atts_code   FROM sgrsatt   WHERE ((sgrsatt_pidm = '807546'))
ORDER BY sgrsatt_term_code_eff

Query Results:

SGRSATT_TERM_CODE_EFF	SGRSATT_ATTS_CODE
120058	1DIS
120058	1RHS
120058	1URH
120058	1UT1
120061	1DIS
120061	1RHS
120065	"Appears blank"
199999	"Appears blank"

Any row on SGRSATT, whether the ATTR Code is null or not, ends all other rows with a prior Term Code Effective. So in this case the 120061 records end the 120058 records (although note that they restart 2 of the 4 attributes) and the 120065 record ends the 120061 records. The 199999 record is a safety net that end-terms all UIUC Attributes so they don't impact UIC and/or UIS records.

In this example, therefore:
- 1DIS is effective 120058 to 120061 and again 120061 to 120065
- 1RHS is effective 120058 to 120061 and again 120061 to 120065
- 1URH is effective 120058 to 120061
- 1UT1 is effective 120058 to 120061

Data in the T_STUDENT_ATTR_HIST table prior to April 2005 may not match Banner in the manner described in this document.