

## APPENDIX B: ASCII File Format Specifications

While the Unemployment Insurance Electronic Entry System allows for manual entry of data into screen formats, it also allows users to upload a file containing data which was created on a mainframe, PC or elsewhere. As long as the file conforms to the specifications shown below for the given table and passes edits, the system will accept it. Following each UI report table name is a list of expected data cells. The cell names are the same as those appearing on the report's table and match those displayed in the manual entry screens though the ordering may be different. Do not use leading zeros or commas in the entries. The five data types the system will accept: **date**, **smallint**, **integer**, **decimal**, and **character (char)**.

- The date type is a numeric field in the form of mmddyyyy. The month, day, and year components of the date field can be separated by slash (/), dash (-), or nothing. Each date component must be a legitimate date (no month 13). When it is loaded into the entry system, other edits will check that it is a legitimate date for the specified report.
- The **smallint** data type is a numeric field with a permitted range of -32,768 to +32,768.
- The **integer** data type has a permitted range of -2,147,483,648 to +2,147,483,648.
- The **decimal** field is represented by **decimal(m,n)**, where **m** is  $\leq 32$  significant digits (the precision) and **n** represents the number of digits to the right of the decimal point (the scale). The decimal data type is a numeric field with a range up to 32 significant digits with exponents in the range of -128 to +126. The decimal point must be included in the upload file.
- **Character** is a letter or number represented by **char(n)**, where **n** stands for the length of the character field.

The first line of the ASCII file must contain the related **report date**.

### EXCEPTIONS:

**ETA 191.** This report is different from the others because it is stored in two tables but uses only one upload file. The data for Section B of the report follows immediately after the Section A data. Section B consists of agency codes (c1) and expenditures for that agency (c2). As many pairs of c1 and c2 will be used as is necessary to record the data as indicated by the \* shown in the file specifications.

**ETA 204.** This report is also stored in multiple tables. The data for Sections A and B are on one table and follow the general rules. The data for Section C is stored on one of two different tables depending if the data represent a state with a benefit ratio system (ar204b) or a reserve ratio system

## Appendix B

(ar204r) of taxing. Section C consists of reporting six elements, one on each line of the ASCII file, and repeating these six elements for each category associated with the specific taxing system.

**ETA 9056 and ETA 9057 Skeleton-Load File Layouts.** The ETA 9056 and ETA 9057 reports are also different because they require a subset of data (that is, skeleton data) loaded and verified before the rest of the data may be entered. The following are the file layouts for skeleton data for these reports. As the tables below show, the files must have at least two lines, each ending with a carriage return. The data elements of each line are delimited by space.

**Line 1.** Contains the quarter end date of the quarter to which the data applies, followed by a space and then the database table name, either ar9056 or ar9057 as appropriate.

**Line 2 and all subsequent lines.** Each line contains all the skeleton fields pertaining to a single case in the quality sample for the appropriate report delimited by a space with a carriage return at the end of each line.

**Table: ar9056**

Line 1	rptdate	rptname		
Line 2	c1 Case ID decimal (5,0)	c2 Issue Code Char(2)	c10 Week End Date (mmddyyyy)	c24 Determination Date (mmddyyyy)

**Example:** 12311996 ar9056  
 103 10 y 08311996 09061996  
 104 20 n 08311996 09061996  
 105 40 n 08311996 09061996

**Table: ar9057**

Line 1	rptdate	rptname	
Line 2	c1 Case ID decimal(5,0)	c35 Decision Date (mmddyyyy)	c39 Case Docket Number char(12)

**Example:** 12311996 ar9057  
 8 08311996 UT12345612a  
 9 08311996 UT12345612b  
 10 08311996 UT12345613a

**TABLE ar191**

st char(2)  
rptdate date  
mods smallint  
crdate char(12)  
revdate char(12)  
mldate char(12)  
mlflag char(1)  
cm char(1)  
hostname char(8)  
user\_id char(8)  
trans\_id char(8)  
c1 decimal(12,2)  
c2 decimal(12,2)  
c3 decimal(12,2)  
c4 decimal(12,2)  
c5 decimal(12,2)  
c6 decimal(12,2)  
c7 decimal(12,2)  
c8 decimal(12,2)  
c9 decimal(12,2)  
c10 decimal(12,2)  
c11 decimal(12,2)  
c12 decimal(12,2)  
c13 decimal(12,2)  
c14 decimal(12,2)  
c15 decimal(12,2)  
c16 decimal(12,2)  
c17 decimal(12,2)  
c18 decimal(12,2)

**TABLE ar191sb**

st char(2)  
rptdate date  
c1 char(3)  
c2 decimal(12,2)

TABLE ar203

st char(2)	c56 integer
rptdate date	c57 integer
mods smallint	c58 integer
crdate char(12)	c59 integer
revdate char(12)	c60 integer
mldate char(12)	c61 integer
mlflag char(1)	c62 integer
cm char(1)	c63 integer
hostname char(8)	c64 integer
user_id char(8)	c65 integer
c1 char(1)	c66 integer
c2 integer	c67 integer
c3 integer	c68 integer
c4 integer	c69 integer
c12 integer	c70 integer
c13 integer	c71 integer
c14 integer	c72 integer
c15 integer	c73 integer
c16 integer	c74 integer
c17 integer	c75 integer
c18 integer	c76 integer
c19 integer	c77 integer
c20 integer	c78 integer
c40 integer	c79 integer
c41 integer	c80 integer
c42 integer	c81 integer
c43 integer	c82 integer
c44 integer	c83 integer
c45 integer	c84 integer
c46 integer	c85 integer
c47 integer	c86 integer
c48 integer	c87 integer
c49 integer	c88 integer
c50 integer	c89 integer
c51 integer	c90 integer
c52 integer	c91 integer
c53 integer	c92 integer
c54 integer	c93 integer
c55 integer	

**TABLE ar204**

st char(2)  
 rptdate date  
 mods smallint  
 crdate char(12)  
 revdate char(12)  
 mldate char(12)  
 mlflag char(1)  
 cm char(1)  
 hostname char(8)  
 user\_id char(8)  
 trans\_id char(8)  
 c1 date  
 c2 date  
 c3 char(2)  
 c4 date  
 c5 date  
 c6 integer  
 c7 decimal(13,0)  
 c8 decimal(13,0)  
 c9 integer  
 c10 decimal(13,0)  
 c11 decimal(13,0)  
 c12 integer  
 c13 decimal(12,0)  
 c14 decimal(12,0)  
 c15 smallint  
 c16 decimal(13,0)  
 c17 integer  
 c18 decimal(13,0)  
 c19 decimal(13,0)  
 c20 integer  
 c21 decimal(13,0)  
 c22 decimal(13,0)  
 c23 integer  
 c24 decimal(12,0)  
 c25 decimal(12,0)  
 c26 integer  
 c27 decimal(13,0)  
 c28 decimal(12,0)  
 c29 integer

c30 decimal(13,0)  
 c31 decimal(12,0)  
 c32 smallint  
 c33 decimal(11,0)  
 c34 decimal(11,0)  
 c35 date  
 c36 decimal(13,2)  
 c37 decimal(13,2)  
 c38 decimal(13,2)  
 c39 decimal(13,2)  
 c40 decimal(12,2)  
 c41 decimal(12,2)  
 c42 decimal(12,2)  
 c43 decimal(12,2)  
 c44 decimal(11,2)

**TABLE ar204b**

st char(2)  
 rptdate date  
 mods smallint  
 crdate char(12)  
 revdate char(12)  
 mldate char(12)  
 mlflag char(1)  
 cm char(1)  
 hostname char(8)  
 user\_id char(8)  
 trans\_id char(8)  
 c1 decimal(4,1)  
 c2 decimal(5,2)  
 c3 integer  
 c4 decimal(14,0)  
 c5 decimal(14,0)  
 c6 integer  
 c7 integer

**TABLE ar204r**

st char(2)  
 rptdate date  
 mods smallint  
 crdate char(12)  
 revdate char(12)  
 mldate char(12)  
 mlflag char(1)  
 cm char(1)  
 hostname char(8)  
 user\_id char(8)  
 trans\_id char(8)  
 c1 decimal(4,1)  
 c2 decimal(5,2)  
 c3 integer  
 c4 decimal(14,0)  
 c5 decimal(14,0)  
 c6 integer  
 c7 integer

### TABLE arertx

st char(2)  
rptdate date  
mods smallint  
crdate char(12)  
revdate char(12)  
mldate char(12)  
mlflag char(1)  
cm char(1)  
hostname char(8)  
user\_id char(8)  
c1 decimal(4,2)  
c2 decimal(4,2)

**TABLE ar207**

st char(2)  
 rptdate date  
 mods smallint  
 crdate char(12)  
 revdate char(12)  
 mldate char(12)  
 mlflag char(1)  
 cm char(1)  
 hostname char(8)  
 user\_id char(8)  
 est char(1)  
 c1 integer  
 c2 integer  
 c3 integer  
 c4 integer  
 c5 integer  
 c6 integer  
 c7 integer  
 c8 integer  
 c9 integer  
 c10 integer  
 c11 integer  
 c12 integer  
 c13 integer  
 c14 integer  
 c15 integer  
 c16 integer  
 c17 integer  
 c18 integer  
 c19 integer  
 c20 integer  
 c21 integer  
 c22 integer  
 c23 integer  
 c24 integer  
 c25 integer  
 c26 integer  
 c27 integer  
 c28 integer  
 c29 integer  
 c30 integer  
 c31 integer

c32 integer  
 c33 integer  
 c34 integer  
 c35 integer  
 c36 integer  
 c37 integer  
 c38 integer  
 c39 integer  
 c40 integer  
 c41 integer  
 c42 integer  
 c43 integer  
 c44 integer  
 c45 integer  
 c46 integer

**TABLE ae207**

st char(2)  
 rptdate date  
 mods smallint  
 crdate char(12)  
 revdate char(12)  
 mldate char(12)  
 mlflag char(1)  
 cm char(1)  
 hostname char(8)  
 user\_id char(8)  
 c1 integer  
 c2 integer  
 c3 integer  
 c4 integer  
 c5 integer  
 c6 integer  
 c7 integer  
 c8 integer  
 c9 integer  
 c10 integer  
 c11 integer  
 c12 integer  
 c13 integer  
 c14 integer  
 c15 integer

c16 integer  
 c17 integer  
 c18 integer  
 c19 integer  
 c20 integer  
 c21 integer  
 c22 integer

**TABLE at207**

st char(2)  
 rptdate date  
 mods smallint  
 crdate char(12)  
 revdate char(12)  
 mldate char(12)  
 mlflag char(1)  
 cm char(1)  
 hostname char(8)  
 user\_id char(8)  
 c1 integer  
 c2 integer  
 c3 integer  
 c4 integer  
 c5 integer  
 c6 integer  
 c7 integer  
 c8 integer  
 c9 integer  
 c10 integer  
 c11 integer  
 c12 integer  
 c13 integer  
 c14 integer  
 c15 integer  
 c16 integer  
 c17 integer  
 c18 integer  
 c19 integer  
 c20 integer  
 c21 integer  
 c22 integer

**TABLE ar218**

st char(2)  
 rptdate date  
 mods smallint  
 crdate char(12)  
 revdate char(12)  
 mldate char(12)  
 mlflag char(1)  
 cm char(1)  
 hostname char(8)  
 user\_id char(8)  
 trans\_id char(8)  
 est char(1)  
 c1 integer  
 c2 integer  
 c3 integer  
 c4 integer  
 c5 integer  
 c6 integer  
 c9 integer  
 c10 integer  
 c11 integer  
 c12 integer  
 c13 integer  
 c14 integer  
 c15 integer  
 c16 integer  
 c17 integer  
 c18 integer  
 c19 integer  
 c20 integer  
 c21 integer  
 c22 integer  
 c23 integer  
 c24 integer  
 c25 integer  
 c26 integer  
 c27 integer  
 c28 integer  
 c29 decimal(4,1)

c30 integer  
 c31 integer  
 c32 integer  
 c33 integer  
 c34 integer  
 c35 integer  
 c36 decimal(4,1)

**TABLE ae218**

st char(2)  
 rptdate date  
 mods smallint  
 crdate char(12)  
 revdate char(12)  
 mldate char(12)  
 mlflag char(1)  
 cm char(1)  
 hostname char(8)  
 user\_id char(8)  
 c1 integer  
 c2 integer  
 c3 integer

**TABLE at218**

st char(2)  
 rptdate date  
 mods smallint  
 crdate char(12)  
 revdate char(12)  
 mldate char(12)  
 mlflag char(1)  
 cm char(1)  
 hostname char(8)  
 user\_id char(8)  
 c1 integer  
 c2 integer  
 c3 integer



TABLE ar227

st char(2)	c31 integer	c117 integer
rptdate date	c32 integer	c118 integer
mods smallint	c33 integer	c119 integer
crdate char(12)	c34 integer	c131 integer
revdate char(12)	c35 integer	c132 integer
mldate char(12)	c36 integer	c133 integer
mlflag char(1)	c37 integer	c134 integer
cm char(1)	c38 integer	c135 integer
hostname char(8)	c39 integer	c136 integer
user_id char(8)	c40 integer	c137 integer
c1 integer	c41 integer	c138 integer
c2 integer	c42 integer	c139 integer
c3 integer	c43 integer	c140 integer
c4 integer	c44 integer	c141 integer
c5 integer	c45 integer	c142 integer
c6 integer	c46 integer	c143 integer
c7 integer	c49 integer	c144 integer
c8 integer	c50 integer	c145 integer
c9 integer	c55 integer	c146 integer
c10 integer	c56 integer	c147 integer
c11 integer	c57 integer	c148 integer
c12 integer	c58 integer	c149 integer
c13 integer	c59 integer	c150 integer
c14 integer	c60 integer	c159 integer
c15 integer	c61 integer	c160 integer
c16 integer	c62 integer	c161 integer
c17 integer	c67 integer	c162 integer
c18 integer	c68 integer	c163 integer
c19 integer	c69 integer	c164 integer
c20 integer	c70 integer	c165 integer
c21 integer	c71 integer	c166 integer
c22 integer	c72 integer	c169 integer
c23 integer	c73 integer	c170 integer
c24 integer	c74 integer	c171 integer
c25 integer	c75 integer	c172 integer
c26 integer	c76 integer	c173 integer
c27 integer	c77 integer	c174 integer
c28 integer	c78 integer	c175 integer
c29 integer	c79 integer	c176 integer
c30 integer	c116 integer	c177 integer

TABLE ar227 cont'd

c178 integer	c218 integer
c179 integer	c219 integer
c180 integer	c220 integer
c181 integer	c221 integer
c182 integer	c222 integer
c183 integer	c223 integer
c184 integer	c224 integer
c185 integer	c225 integer
c186 integer	c230 integer
c187 integer	c231 integer
c188 integer	c232 integer
c189 integer	c233 integer
c190 integer	
c191 integer	
c192 integer	
c193 integer	
c194 integer	
c195 integer	
c196 integer	
c197 integer	
c198 integer	
c199 integer	
c200 integer	
c201 integer	
c202 integer	
c203 integer	
c204 integer	
c205 integer	
c206 integer	
c207 integer	
c208 integer	
c209 integer	
c210 integer	
c211 integer	
c212 integer	
c213 integer	
c214 integer	
c215 integer	
c216 integer	
c217 integer	

TABLE at227

st char(2)	c31 integer	c117 integer
rptdate date	c32 integer	c118 integer
mods smallint	c33 integer	c119 integer
crdate char(12)	c34 integer	c131 integer
revdate char(12)	c35 integer	c132 integer
mldate char(12)	c36 integer	c133 integer
mlflag char(1)	c37 integer	c134 integer
cm char(1)	c38 integer	c135 integer
hostname char(8)	c39 integer	c136 integer
user_id char(8)	c40 integer	c137 integer
c1 integer	c41 integer	c138 integer
c2 integer	c42 integer	c139 integer
c3 integer	c43 integer	c140 integer
c4 integer	c44 integer	c141 integer
c5 integer	c45 integer	c142 integer
c6 integer	c46 integer	c143 integer
c7 integer	c49 integer	c144 integer
c8 integer	c50 integer	c145 integer
c9 integer	c55 integer	c146 integer
c10 integer	c56 integer	c147 integer
c11 integer	c57 integer	c148 integer
c12 integer	c58 integer	c149 integer
c13 integer	c59 integer	c150 integer
c14 integer	c60 integer	c159 integer
c15 integer	c61 integer	c160 integer
c16 integer	c62 integer	c161 integer
c17 integer	c67 integer	c162 integer
c18 integer	c68 integer	c163 integer
c19 integer	c69 integer	c164 integer
c20 integer	c70 integer	c165 integer
c21 integer	c71 integer	c166 integer
c22 integer	c72 integer	c169 integer
c23 integer	c73 integer	c170 integer
c24 integer	c74 integer	c171 integer
c25 integer	c75 integer	c172 integer
c26 integer	c76 integer	c173 integer
c27 integer	c77 integer	c174 integer
c28 integer	c78 integer	c175 integer
c29 integer	c79 integer	c176 integer
c30 integer	c116 integer	c177 integer

TABLE at227 cont'd

c178 integer	c218 integer
c179 integer	c219 integer
c180 integer	c220 integer
c181 integer	c221 integer
c182 integer	c222 integer
c183 integer	c223 integer
c184 integer	c224 integer
c185 integer	c225 integer
c186 integer	c230 integer
c187 integer	c231 integer
c188 integer	c232 integer
c189 integer	c233 integer
c190 integer	
c191 integer	
c192 integer	
c193 integer	
c194 integer	
c195 integer	
c196 integer	
c197 integer	
c198 integer	
c199 integer	
c200 integer	
c201 integer	
c202 integer	
c203 integer	
c204 integer	
c205 integer	
c206 integer	
c207 integer	
c208 integer	
c209 integer	
c210 integer	
c211 integer	
c212 integer	
c213 integer	
c214 integer	
c215 integer	
c216 integer	
c217 integer	

TABLE ar2112

st char(2)	c33 decimal(14,2)	c75 decimal(14,2)
rptdate date	c34 decimal(14,2)	c76 decimal(14,2)
mods smallint	c35 decimal(14,2)	c77 decimal(14,2)
crdate char(12)	c36 decimal(14,2)	c78 decimal(14,2)
revdate char(12)	c37 decimal(14,2)	c79 decimal(14,2)
mldate char(12)	c38 decimal(14,2)	c81 decimal(14,2)
mlflag char(1)	c39 decimal(14,2)	c82 decimal(14,2)
cm char(1)	c40 decimal(14,2)	c83 decimal(14,2)
hostname char(8)	c41 decimal(14,2)	c84 decimal(14,2)
user_id char(8)	c42 decimal(14,2)	c85 decimal(14,2)
trans_id char(8)	c43 decimal(14,2)	c86 decimal(14,2)
c1 decimal(14,2)	c44 decimal(14,2)	c87 decimal(14,2)
c2 decimal(14,2)	c45 decimal(14,2)	c88 decimal(14,2)
c3 decimal(14,2)	c46 decimal(14,2)	c89 decimal(14,2)
c4 decimal(14,2)	c47 decimal(14,2)	c90 decimal(14,2)
c5 decimal(14,2)	c48 decimal(14,2)	c91 decimal(14,2)
c6 decimal(14,2)	c49 decimal(14,2)	c92 decimal(14,2)
c7 decimal(14,2)	c50 decimal(14,2)	c93 decimal(14,2)
c8 decimal(14,2)	c51 decimal(14,2)	c94 decimal(14,2)
c9 decimal(14,2)	c52 decimal(14,2)	c95 decimal(14,2)
c10 decimal(14,2)	c53 decimal(14,2)	c96 decimal(14,2)
c11 decimal(14,2)	c54 decimal(14,2)	c97 decimal(14,2)
c12 decimal(14,2)	c55 decimal(14,2)	c98 decimal(14,2)
c13 decimal(14,2)	c56 decimal(14,2)	c99 decimal(14,2)
c14 decimal(14,2)	c57 decimal(14,2)	c100 decimal(14,2)
c15 decimal(14,2)	c58 decimal(14,2)	c101 decimal(14,2)
c16 decimal(14,2)	c59 decimal(14,2)	c102 decimal(14,2)
c17 decimal(14,2)	c60 decimal(14,2)	c103 decimal(14,2)
c19 decimal(14,2)	c61 decimal(14,2)	c104 decimal(14,2)
c20 decimal(14,2)	c62 decimal(14,2)	c105 decimal(14,2)
c21 decimal(14,2)	c63 decimal(14,2)	c106 decimal(14,2)
c22 decimal(14,2)	c64 decimal(14,2)	c107 decimal(14,2)
c23 decimal(14,2)	c65 decimal(14,2)	c108 decimal(14,2)
c24 decimal(14,2)	c66 decimal(14,2)	c109 decimal(14,2)
c25 decimal(14,2)	c67 decimal(14,2)	c110 decimal(14,2)
c26 decimal(14,2)	c68 decimal(14,2)	c111 decimal(14,2)
c27 decimal(14,2)	c69 decimal(14,2)	c112 decimal(14,2)
c28 decimal(14,2)	c70 decimal(14,2)	c113 decimal(14,2)
c29 decimal(14,2)	c71 decimal(14,2)	c114 decimal(14,2)
c30 decimal(14,2)	c72 decimal(14,2)	c115 decimal(14,2)
c31 decimal(14,2)	c73 decimal(14,2)	
c32 decimal(14,2)	c74 decimal(14,2)	

**TABLE ac2112**

st char(2)  
rptdate date  
mods smallint  
crdate char(12)  
revdate char(12)  
mldate char(12)  
mlflag char(1)  
cm char(1)  
hostname char(8)  
user\_id char(8)  
c1 decimal(11,2)  
c2 decimal(11,2)  
c3 decimal(11,2)  
c4 decimal(11,2)  
c5 decimal(11,2)  
c6 decimal(11,2)  
c7 decimal(11,2)

**TABLE ar538**

st char(2)  
rptdate date  
mods smallint  
crdate char(12)  
revdate char(12)  
mldate char(12)  
mlflag char(1)  
cm char(1)  
hostname char(8)  
user\_id char(8)  
c1 smallint  
c2 date  
c3 integer  
c4 integer  
c5 integer

**TABLE ar539**

st char(2)  
rptdate date  
mods smallint  
crdate char(12)  
revdate char(12)  
mldate char(12)  
mlflag char(1)  
cm char(1)  
hostname char(8)  
user\_id char(8)  
c1 smallint  
c2 date  
c3 integer  
c4 integer  
c5 smallint  
c6 integer  
c7 smallint  
c8 integer  
c9 integer  
c10 integer  
c11 integer  
c12 smallint  
c13 integer  
c14 integer  
c15 integer  
c16 integer  
c17 integer  
c18 integer  
c19 decimal(6,2)  
c20 decimal(7,3)  
c21 decimal(8,2)  
c22 char(1)  
c23 date



TABLE ar581

st char(2)	c41a integer
rptdate date	c42a integer
mods smallint	c43 integer
crdate char(12)	c44 integer
revdate char(12)	c45 integer
mldate char(12)	c46 integer
mlflag char(1)	c47 integer
cm char(1)	c48 integer
hostname char(8)	c49 integer
user_id char(8)	c50 integer
est char(1)	c51 integer
c1 integer	c52 integer
c2 integer	c53 integer
c3 integer	c54 integer
c4 date	c55 integer
c11 integer	c56 integer
c13a integer	c57 integer
c13b integer	c58 integer
c14a integer	c59 integer
c14 integer	c60 integer
c15 integer	c61 integer
c16 integer	c62 integer
c17 integer	c63 integer
c18 integer	c64 integer
c19a integer	c65 integer
c19 integer	c66 decimal(11,0)
c20 integer	c67 decimal(11,0)
c21 integer	c68 integer
c22 integer	c69 integer
c23 integer	
c24 integer	
c25b integer	
c25a integer	
c26a integer	
c28a integer	
c29a integer	
c37a decimal(11,0)	
c38a integer	
c39a integer	
c40a integer	

TABLE ar586

st char(2)	c47 smallint
rptdate date	c48 smallint
mods smallint	c49 smallint
crdate char(12)	c50 smallint
revdate char(12)	c51 smallint
mldate char(12)	c52 smallint
mlflag char(1)	c53 smallint
cm char(1)	c54 smallint
hostname char(8)	c55 smallint
user_id char(8)	c56 smallint
trans_id char(8)	c57 smallint
est char(1)	c58 smallint
c1 smallint	c59 smallint
c2 smallint	c60 smallint
c3 smallint	c61 smallint
c4 integer	c62 smallint
c5 integer	c63 smallint
c6 smallint	c64 smallint
c7 smallint	c65 smallint
c8 smallint	c66 smallint
c9 smallint	c67 smallint
c10 integer	c68 smallint
c25 smallint	c69 smallint
c26 smallint	c70 smallint
c31 integer	c71 smallint
c32 integer	c72 smallint
c33 smallint	c73 smallint
c34 integer	c74 smallint
c35 smallint	c75 smallint
c36 smallint	c76 smallint
c37 smallint	c77 smallint
c38 smallint	c78 smallint
c39 smallint	c79 smallint
c40 smallint	c80 smallint
c41 smallint	c81 smallint
c42 smallint	c82 smallint
c43 smallint	c83 smallint
c44 smallint	c84 smallint
c45 smallint	c85 smallint
c46 smallint	

**TABLE ar5130**

st char(2)  
 rptdate date  
 mods smallint  
 crdate char(12)  
 revdate char(12)  
 mldate char(12)  
 mlflag char(1)  
 cm char(1)  
 hostname char(8)  
 user\_id char(8)  
 trans\_id char(8)  
 est char(1)  
 c1 smallint  
 c2 smallint  
 c3 smallint  
 c4 smallint  
 c5 smallint  
 c6 smallint  
 c7 smallint  
 c9 smallint  
 c10 smallint  
 c11 integer  
 c12 integer  
 c13 integer  
 c14 smallint  
 c15 integer  
 c16 integer  
 c51 integer  
 c52 smallint  
 c53 integer  
 c54 smallint  
 c55 smallint  
 c56 smallint  
 c57 smallint  
 c58 smallint  
 c59 smallint  
 c60 smallint  
 c61 smallint  
 c62 smallint  
 c63 smallint  
 c64 smallint

c65 smallint  
 c66 smallint  
 c67 integer  
 c68 smallint  
 c69 smallint  
 c70 smallint  
 c71 smallint  
 c72 smallint  
 c73 smallint

**TABLE ae5130**

st char(2)  
 rptdate date  
 mods smallint  
 crdate char(12)  
 revdate char(12)  
 mldate char(12)  
 mlflag char(1)  
 cm char(1)  
 hostname char(8)  
 user\_id char(8)  
 trans\_id char(8)  
 c1 smallint  
 c2 smallint  
 c3 smallint  
 c4 smallint  
 c5 smallint  
 c6 smallint  
 c7 smallint  
 c9 smallint  
 c10 smallint  
 c11 integer  
 c12 integer  
 c13 integer  
 c14 smallint  
 c15 integer  
 c16 integer  
 c51 integer  
 c52 smallint  
 c53 integer

c54 smallint  
 c55 smallint  
 c56 smallint  
 c57 smallint  
 c58 smallint  
 c59 smallint  
 c60 smallint  
 c61 smallint  
 c62 smallint  
 c63 smallint  
 c64 smallint  
 c65 smallint  
 c66 smallint  
 c67 smallint  
 c68 smallint  
 c69 smallint  
 c70 smallint  
 c71 smallint  
 c72 smallint  
 c73 smallint

**TABLE at5130**

st char(2)  
 rptdate date  
 mods smallint  
 crdate char(12)  
 revdate char(12)  
 mldate char(12)  
 mlflag char(1)  
 cm char(1)  
 hostname char(8)  
 user\_id char(8)  
 trans\_id char(8)  
 c1 smallint  
 c2 smallint  
 c3 smallint  
 c4 smallint  
 c5 smallint  
 c6 smallint  
 c7 smallint

c9 smallint  
 c10 smallint  
 c11 integer  
 c12 integer  
 c13 integer  
 c14 smallint  
 c15 integer  
 c16 integer  
 c51 integer  
 c52 smallint  
 c53 integer  
 c54 smallint  
 c55 smallint  
 c56 smallint  
 c57 smallint  
 c58 smallint  
 c59 smallint  
 c60 smallint  
 c61 smallint  
 c62 smallint  
 c63 smallint  
 c64 smallint  
 c65 smallint  
 c66 smallint  
 c67 smallint  
 c68 smallint  
 c69 smallint  
 c70 smallint  
 c71 smallint  
 c72 smallint  
 c73 smallint

**TABLE ar5159**

st char(2)  
 rptdate date  
 mods smallint  
 crdate char(12)  
 revdate char(12)  
 mldate char(12)  
 mlflag char(1)  
 cm char(1)  
 hostname char(8)  
 user\_id char(8)  
 trans\_id char(8)  
 est char(1)  
 c1 integer  
 c2 integer  
 c3 integer  
 c4 smallint  
 c5 integer  
 c6 integer  
 c7 smallint  
 c8 smallint  
 c9 smallint  
 c10 smallint  
 c11 smallint  
 c12 smallint  
 c13 smallint  
 c14 smallint  
 c15 smallint  
 c16 smallint  
 c17 smallint  
 c18 smallint  
 c19 integer  
 c20 smallint  
 c21 integer  
 c22 integer  
 c24 integer  
 c25 smallint  
 c26 smallint  
 c27 integer  
 c28 integer  
 c30 integer  
 c31 integer

c32 integer  
 c33 integer  
 c34 integer  
 c36 integer  
 c38 integer  
 c39 integer  
 c40 integer  
 c41 integer  
 c42 integer  
 c43 integer  
 c45 integer  
 c46 integer  
 c47 integer  
 c48 integer  
 c49 integer  
 c50 integer  
 c51 integer  
 c52 integer  
 c53 integer  
 c54 smallint  
 c55 integer  
 c56 integer  
 c57 smallint  
 c58 smallint  
 c94 smallint  
 c95 integer  
 c96 integer  
 c97 smallint  
 c98 smallint  
 c99 smallint

**TABLE ae5159**

st char(2)  
 rptdate date  
 mods smallint  
 crdate char(12)  
 revdate char(12)  
 mldate char(12)  
 mlflag char(1)  
 cm char(1)  
 hostname char(8)

user\_id char(8)  
 trans\_id char(8)  
 c1 integer  
 c2 integer  
 c3 integer  
 c4 integer  
 c5 integer  
 c6 integer  
 c7 integer  
 c8 integer  
 c9 integer  
 c10 integer  
 c11 smallint  
 c12 integer  
 c13 integer  
 c15 integer  
 c16 integer  
 c17 smallint  
 c18 integer  
 c19 integer  
 c21 integer  
 c22 integer  
 c23 smallint  
 c24 integer  
 c25 integer  
 c27 integer  
 c29 integer  
 c30 integer  
 c31 integer  
 c32 integer  
 c33 integer  
 c35 integer  
 c36 integer  
 c37 integer  
 c38 integer  
 c39 integer  
 c40 integer  
 c41 smallint  
 c42 smallint  
 c43 integer  
 c44 integer  
 c45 integer  
 c46 integer

**TABLE ae5159 cont'd**

c46 integer  
 c47 integer  
 c48 integer  
 c49 smallint  
 c50 smallint  
 c51 smallint

**TABLE at5159**

st char(2)  
 rptdate date  
 mods smallint  
 crdate char(12)  
 revdate char(12)  
 mldate char(12)  
 mlflag char(1)  
 cm char(1)  
 hostname char(8)  
 user\_id char(8)  
 trans\_id char(8)  
 c1 integer  
 c2 integer  
 c3 integer  
 c4 integer  
 c5 integer  
 c6 integer  
 c7 integer  
 c8 integer  
 c9 integer  
 c10 integer  
 c11 smallint  
 c12 integer  
 c13 integer  
 c15 integer  
 c16 integer  
 c17 smallint  
 c18 integer  
 c19 integer  
 c21 integer  
 c22 integer

c23 smallint  
 c24 integer  
 c25 integer  
 c27 integer  
 c29 integer  
 c30 integer  
 c31 integer  
 c32 integer  
 c33 integer  
 c35 integer  
 c36 integer  
 c37 integer  
 c38 integer  
 c39 integer  
 c40 integer  
 c41 smallint  
 c42 smallint  
 c43 integer  
 c44 integer  
 c45 integer  
 c46 integer  
 c47 integer  
 c48 integer  
 c49 smallint  
 c50 smallint  
 c51 smallint

**TABLE aw5159**

st char(2)  
 rptdate date  
 mods smallint  
 crdate char(12)  
 revdate char(12)  
 mldate char(12)  
 mlflag char(1)  
 cm char(1)  
 hostname char(8)  
 user\_id char(8)  
 c1 smallint  
 c2 integer  
 c3 integer  
 c4 integer  
 c5 integer  
 c6 smallint  
 c7 integer  
 c8 smallint  
 c9 integer

**TABLE ar8401**

st char(2)  
rptdate date  
mods smallint  
crdate char(12)  
revdate char(12)  
mldate char(12)  
mlflag char(1)  
cm char(1)  
hostname char(8)  
user\_id char(8)  
c1 decimal(5,0)  
c2 char(30)  
c3 char(20)  
c4 char(1)  
c5 decimal(13,0)  
c6 decimal(12,0)  
c7 decimal(12,0)  
c8 decimal(13,0)  
c9 decimal(12,0)  
c10 decimal(6,2)  
c11 decimal(12,0)  
c12 decimal(12,0)  
c13 decimal(12,0)  
c14 decimal(12,0)  
c15 decimal(12,0)  
c16 decimal(12,0)  
c17 decimal(12,0)  
c18 decimal(15,0)

**TABLE ar8405**

st char(2)  
rptdate date  
mods smallint  
crdate char(12)  
revdate char(12)  
mldate char(12)  
mlflag char(1)  
cm char(1)  
hostname char(8)  
user\_id char(8)  
c1 decimal(5,0)  
c2 char(30)  
c3 char(20)  
c4 char(1)  
c5 decimal(13,0)  
c6 decimal(12,0)  
c7 decimal(12,0)  
c8 decimal(12,0)  
c9 decimal(13,0)  
c10 decimal(12,0)  
c11 decimal(6,2)  
c12 decimal(12,0)  
c13 decimal(12,0)  
c14 decimal(12,0)  
c15 decimal(12,0)  
c16 decimal(15,0)

**TABLE ar8413**

st char(2)  
rptdate date  
mods smallint  
crdate char(12)  
revdate char(12)  
mldate char(12)  
mlflag char(1)  
cm char(1)  
hostname char(8)  
user\_id char(8)  
c1 decimal(5,0)  
c2 char(30)  
c3 char(20)  
c4 decimal(12,0)  
c5 decimal(12,0)  
c6 decimal(12,0)  
c7 decimal(13,0)  
c8 decimal(13,0)  
c9 decimal(12,0)  
c10 decimal(12,0)  
c11 decimal(12,0)  
c12 decimal(5,3)  
c13 decimal(12,0)  
c14 decimal(12,0)  
c15 decimal(5,3)  
c16 decimal(12,0)  
c17 integer  
c18 decimal(10,4)  
c19 decimal(12,0)  
c20 integer  
c21 decimal(10,4)  
c22 decimal(12,0)  
c23 integer  
c24 decimal(10,4)  
c25 decimal(12,0)  
c26 integer  
c27 decimal(10,4)  
c28 decimal(12,0)  
c29 decimal(12,0)  
c30 decimal(12,0)  
c31 decimal(12,0)  
c32 decimal(12,0)  
c33 decimal(12,0)



TABLE ar8414

st char(2)	c31 decimal(12)
rptdate date	c32 decimal(12)
mods smallint	c33 decimal(12)
crdate char(12)	c34 decimal(12)
revdate char(12)	c35 decimal(12)
mldate char(12)	c36 decimal(12)
mlflag char(1)	
cm char(1)	
hostname char(8)	
user_id char(8)	
c1 decimal(5,0)	
c2 char(30)	
c3 char(20)	
c4 decimal(13,0)	
c5 decimal(12,0)	
c6 decimal(12,0)	
c7 decimal(13,0)	
c8 decimal(13,0)	
c9 decimal(12,0)	
c10 decimal(12,0)	
c11 decimal(12,0)	
c12 decimal(5,3)	
c13 decimal(12,0)	
c14 decimal(12,0)	
c15 decimal(5,3)	
c16 decimal(12,0)	
c17 integer	
c18 decimal(10,4)	
c19 decimal(12,0)	
c20 integer	
c21 decimal(10,4)	
c22 decimal(12,0)	
c23 integer	
c24 decimal(10,4)	
c25 decimal(12,0)	
c26 integer	
c27 decimal(10,4)	
c28 decimal(12,0)	
c29 integer	
c30 decimal(10,4)	

**TABLE ar902**

st char(2)	c65 integer
rptdate date	c66 integer
mods smallint	c67 integer
crdate char(12)	c68 integer
revdate char(12)	c69 char(1)
mldate char(12)	
mlflag char(1)	
cm char(1)	
hostname char(8)	
user_id char(8)	
trans_id char(8)	
c1 integer	
c2 date	
c3 date	
c4 integer	
c5 integer	
c6 integer	
c17 integer	
c21 integer	
c22 integer	
c23 integer	
c33 integer	
c34 integer	
c35 integer	
c45 integer	
c46 integer	
c49 integer	
c50 integer	
c51 integer	
c53 integer	
c54 integer	
c55 integer	
c57 integer	
c58 integer	
c59 integer	
c60 integer	
c61 integer	
c62 integer	
c63 integer	
c64 integer	

TABLE ar9000

st char(2)	c31 smallint	c71 smallint
rptdate date	c32 smallint	c72 smallint
mods smallint	c33 integer	c73 smallint
crdate char(12)	c34 integer	c74 smallint
revdate char(12)	c35 smallint	c75 integer
mldate char(12)	c36 smallint	c76 integer
mlflag char(1)	c37 smallint	c77 smallint
cm char(1)	c38 smallint	c78 smallint
hostname char(8)	c39 integer	c79 smallint
user_id char(8)	c40 integer	c80 smallint
c1 smallint	c41 smallint	c81 integer
c2 smallint	c42 smallint	c82 integer
c3 integer	c43 smallint	c83 smallint
c4 integer	c44 smallint	c84 smallint
c5 smallint	c45 integer	c85 smallint
c6 smallint	c46 integer	c86 smallint
c7 smallint	c47 smallint	c87 integer
c8 smallint	c48 smallint	c88 integer
c9 integer	c49 smallint	c89 smallint
c10 integer	c50 smallint	c90 smallint
c11 smallint	c51 integer	c91 smallint
c12 smallint	c52 integer	c92 smallint
c13 smallint	c53 smallint	c93 integer
c14 smallint	c54 smallint	c94 integer
c15 integer	c55 smallint	c95 smallint
c16 integer	c56 smallint	c96 smallint
c17 smallint	c57 integer	c97 smallint
c18 smallint	c58 integer	c98 smallint
c19 smallint	c59 smallint	c99 integer
c20 smallint	c60 smallint	c100 integer
c21 integer	c61 smallint	c101 smallint
c22 integer	c62 smallint	c102 smallint
c23 smallint	c63 integer	c103 smallint
c24 smallint	c64 integer	c104 smallint
c25 smallint	c65 smallint	c105 integer
c26 smallint	c66 smallint	c106 integer
c27 integer	c67 smallint	c107 smallint
c28 integer	c68 smallint	c108 smallint
c29 smallint	c69 integer	c109 smallint
c30 smallint	c70 integer	c110 smallint

TABLE ar9000 cont'd

c111 integer	c151 smallint
c112 integer	c152 integer
c113 smallint	c153 smallint
c114 smallint	c154 integer
c115 smallint	c155 smallint
c116 smallint	c156 integer
c117 integer	c157 smallint
c118 integer	c158 integer
c119 smallint	c159 smallint
c120 smallint	c160 smallint
c121 smallint	c161 integer
c122 smallint	c162 integer
c123 integer	c163 smallint
c124 integer	c164 smallint
c125 smallint	c165 integer
c126 smallint	c166 integer
c127 smallint	c167 smallint
c128 smallint	c168 smallint
c129 integer	c169 smallint
c130 integer	c170 smallint
c131 smallint	c171 smallint
c132 smallint	c172 smallint
c133 smallint	c173 smallint
c134 smallint	c174 smallint
c135 integer	c175 smallint
c136 integer	c176 smallint
c137 smallint	c177 smallint
c138 smallint	c178 smallint
c139 smallint	c179 smallint
c140 smallint	c180 smallint
c141 integer	c181 smallint
c142 integer	c182 smallint
c143 smallint	c183 smallint
c144 smallint	c184 smallint
c145 smallint	
c146 smallint	
c147 integer	
c148 integer	
c149 smallint	
c150 smallint	

**TABLE ar9016**

st char(2)  
rptdate date  
mods smallint  
crdate char(12)  
revdate char(12)  
mldate char(12)  
mlflag char(1)  
cm char(1)  
hostname char(8)  
user\_id char(8)  
c1 integer  
c2 integer  
c3 integer  
c8 smallint  
c9 smallint

**TABLE ar9047**

st char(2)  
rptdate date  
mods smallint  
crdate char(12)  
revdate char(12)  
mldate char(12)  
mlflag char(1)  
cm char(1)  
hostname char(8)  
user\_id char(8)  
trans\_id char(8)  
c1 integer  
c2 integer  
c3 integer  
c4 integer  
c5 integer  
c6 integer

**TABLE ar9048**

st char(2)  
rptdate date  
mods smallint  
crdate char(12)  
revdate char(12)  
mldate char(12)  
mlflag char(1)  
cm char(1)  
hostname char(8)  
user\_id char(8)  
trans\_id char(8)  
c1 integer  
c2 integer  
c3 integer  
c4 integer  
c5 integer  
c6 integer  
c7 integer  
c8 integer  
c9 integer  
c10 integer  
c11 integer  
c12 integer  
c13 integer  
c14 integer  
c15 integer  
c16 integer  
c17 integer  
c18 integer  
c19 integer  
c20 integer

**TABLE ar9049**

st char(2)  
rptdate date  
mods smallint  
crdate char(12)  
revdate char(12)  
mldate char(12)  
mlflag char(1)  
cm char(1)  
hostname char(8)  
user\_id char(8)  
trans\_id char(8)  
c1 integer  
c2 decimal(3,1)  
c3 integer  
c4 integer  
c5 date  
c6 date  
c7 date  
c8 date  
c9 integer  
c10 integer  
c11 integer  
c12 integer  
c13 integer  
c14 integer  
c15 integer  
c16 integer  
c17 integer  
c18 integer  
c19 integer  
c20 integer  
c21 integer  
c22 integer  
c23 integer  
c24 integer



TABLE ar9050

st char(2)	c30 smallint	c70 smallint
rptdate date	c31 smallint	c71 smallint
mods smallint	c32 smallint	c72 smallint
crdate char(12)	c33 integer	c73 integer
revdate char(12)	c34 integer	c74 integer
mldate char(12)	c35 smallint	c75 smallint
mlflag char(1)	c36 smallint	c76 smallint
cm char(1)	c37 smallint	c77 smallint
hostname char(8)	c38 smallint	c78 smallint
user_id char(8)	c39 smallint	c79 smallint
trans_id char(8)	c40 smallint	c80 smallint
c1 integer	c41 integer	c81 integer
c2 integer	c42 integer	c82 integer
c3 smallint	c43 smallint	c83 smallint
c4 smallint	c44 smallint	c84 smallint
c5 smallint	c45 smallint	c85 smallint
c6 smallint	c46 smallint	c86 smallint
c7 smallint	c47 smallint	c87 smallint
c8 smallint	c48 smallint	c88 smallint
c9 integer	c49 integer	c89 integer
c10 integer	c50 integer	c90 integer
c11 smallint	c51 smallint	c91 smallint
c12 smallint	c52 smallint	c92 smallint
c13 smallint	c53 smallint	c93 smallint
c14 smallint	c54 smallint	c94 smallint
c15 smallint	c55 smallint	c95 smallint
c16 smallint	c56 smallint	c96 smallint
c17 integer	c57 integer	
c18 integer	c58 integer	
c19 smallint	c59 smallint	
c20 smallint	c60 smallint	
c21 smallint	c61 smallint	
c22 smallint	c62 smallint	
c23 smallint	c63 smallint	
c24 smallint	c64 smallint	
c25 integer	c65 integer	
c26 integer	c66 integer	
c27 smallint	c67 smallint	
c28 smallint	c68 smallint	
c29 smallint	c69 smallint	

## Appendix B

**TABLE ar9050p**

st char(2)	c30 smallint	c70 smallint
rptdate date	c31 smallint	c71 smallint
mods smallint	c32 smallint	c72 smallint
crdate char(12)	c33 integer	c73 integer
revdate char(12)	c34 integer	c74 integer
mldate char(12)	c35 smallint	c75 smallint
mlflag char(1)	c36 smallint	c76 smallint
cm char(1)	c37 smallint	c77 smallint
hostname char(8)	c38 smallint	c78 smallint
user_id char(8)	c39 smallint	c79 smallint
trans_id char(8)	c40 smallint	c80 smallint
c1 integer	c41 integer	c81 integer
c2 integer	c42 integer	c82 integer
c3 smallint	c43 smallint	c83 smallint
c4 smallint	c44 smallint	c84 smallint
c5 smallint	c45 smallint	c85 smallint
c6 smallint	c46 smallint	c86 smallint
c7 smallint	c47 smallint	c87 smallint
c8 smallint	c48 smallint	c88 smallint
c9 integer	c49 integer	c89 integer
c10 integer	c50 integer	c90 integer
c11 smallint	c51 smallint	c91 smallint
c12 smallint	c52 smallint	c92 smallint
c13 smallint	c53 smallint	c93 smallint
c14 smallint	c54 smallint	c94 smallint
c15 smallint	c55 smallint	c95 smallint
c16 smallint	c56 smallint	c96 smallint
c17 integer	c57 integer	
c18 integer	c58 integer	
c19 smallint	c59 smallint	
c20 smallint	c60 smallint	
c21 smallint	c61 smallint	
c22 smallint	c62 smallint	
c23 smallint	c63 smallint	
c24 smallint	c64 smallint	
c25 integer	c65 integer	
c26 integer	c66 integer	
c27 smallint	c67 smallint	
c28 smallint	c68 smallint	
c29 smallint	c69 smallint	

**TABLE aw9050**

st char(2)  
rptdate date  
mods smallint  
crdate char(12)  
revdate char(12)  
mldate char(12)  
mlflag char(1)  
cm char(1)  
hostname char(8)  
user\_id char(8)  
trans\_id char(8)  
c1 smallint  
c2 smallint  
c3 smallint  
c4 smallint  
c5 smallint  
c6 smallint  
c7 smallint  
c8 smallint  
c9 smallint  
c10 smallint  
c11 smallint  
c12 smallint

TABLE ar9051

st char(2)	c30 integer	c70 integer
rptdate date	c31 smallint	c71 smallint
mods smallint	c32 smallint	c72 smallint
crdate char(12)	c33 integer	c73 integer
revdate char(12)	c34 integer	c74 integer
mldate char(12)	c35 integer	c75 integer
mlflag char(1)	c36 integer	c76 integer
cm char(1)	c37 integer	c77 integer
hostname char(8)	c38 integer	c78 integer
user_id char(8)	c39 smallint	c79 smallint
trans_id char(8)	c40 smallint	c80 smallint
c1 integer	c41 integer	c81 integer
c2 integer	c42 integer	c82 integer
c3 integer	c43 integer	c83 integer
c4 integer	c44 integer	c84 integer
c5 integer	c45 integer	c85 integer
c6 integer	c46 integer	c86 integer
c7 smallint	c47 smallint	c87 smallint
c8 smallint	c48 smallint	c88 smallint
c9 integer	c49 integer	c89 integer
c10 integer	c50 integer	c90 integer
c11 integer	c51 integer	c91 integer
c12 integer	c52 integer	c92 integer
c13 integer	c53 integer	c93 integer
c14 integer	c54 integer	c94 integer
c15 smallint	c55 smallint	c95 smallint
c16 smallint	c56 smallint	c96 smallint
c17 integer	c57 integer	
c18 integer	c58 integer	
c19 integer	c59 integer	
c20 integer	c60 integer	
c21 integer	c61 integer	
c22 integer	c62 integer	
c23 smallint	c63 smallint	
c24 smallint	c64 smallint	
c25 integer	c65 integer	
c26 integer	c66 integer	
c27 integer	c67 integer	
c28 integer	c68 integer	
c29 integer	c69 integer	

TABLE ar9051p

st char(2)	c30 smallint	c70 smallint
rptdate date	c31 smallint	c71 smallint
mods smallint	c32 smallint	c72 smallint
crdate char(12)	c33 integer	c73 integer
revdate char(12)	c34 integer	c74 integer
mldate char(12)	c35 smallint	c75 smallint
mlflag char(1)	c36 smallint	c76 smallint
cm char(1)	c37 smallint	c77 smallint
hostname char(8)	c38 smallint	c78 smallint
user_id char(8)	c39 smallint	c79 smallint
trans_id char(8)	c40 smallint	c80 smallint
c1 integer	c41 integer	c81 integer
c2 integer	c42 integer	c82 integer
c3 smallint	c43 smallint	c83 smallint
c4 smallint	c44 smallint	c84 smallint
c5 smallint	c45 smallint	c85 smallint
c6 smallint	c46 smallint	c86 smallint
c7 smallint	c47 smallint	c87 smallint
c8 smallint	c48 smallint	c88 smallint
c9 integer	c49 integer	c89 integer
c10 integer	c50 integer	c90 integer
c11 smallint	c51 smallint	c91 smallint
c12 smallint	c52 smallint	c92 smallint
c13 smallint	c53 smallint	c93 smallint
c14 smallint	c54 smallint	c94 smallint
c15 smallint	c55 smallint	c95 smallint
c16 smallint	c56 smallint	c96 smallint
c17 integer	c57 integer	
c18 integer	c58 integer	
c19 smallint	c59 smallint	
c20 smallint	c60 smallint	
c21 smallint	c61 smallint	
c22 smallint	c62 smallint	
c23 smallint	c63 smallint	
c24 smallint	c64 smallint	
c25 integer	c65 integer	
c26 integer	c66 integer	
c27 smallint	c67 smallint	
c28 smallint	c68 smallint	
c29 smallint	c69 smallint	

**TABLE aw9051**

st char(2)  
rptdate date  
mods smallint  
crdate char(12)  
revdate char(12)  
mldate char(12)  
mlflag char(1)  
cm char(1)  
hostname char(8)  
user\_id char(8)  
trans\_id char(8)  
c1 integer  
c2 integer  
c3 integer  
c4 integer  
c5 integer  
c6 integer  
c7 integer  
c8 integer  
c9 integer  
c10 integer  
c11 integer  
c12 integer

TABLE ar9052

st char(2)	c30 integer	c70 integer
rptdate date	c31 smallint	c71 smallint
mods smallint	c32 smallint	c72 smallint
crdate char(12)	c33 integer	c73 integer
revdate char(12)	c34 integer	c74 integer
mldate char(12)	c35 smallint	c75 smallint
mlflag char(1)	c36 smallint	c76 smallint
cm char(1)	c37 integer	c77 integer
hostname char(8)	c38 integer	c78 integer
user_id char(8)	c39 smallint	c79 smallint
trans_id char(8)	c40 smallint	c80 smallint
c1 integer	c41 integer	c81 integer
c2 integer	c42 integer	c82 integer
c3 smallint	c43 smallint	c83 smallint
c4 smallint	c44 smallint	c84 smallint
c5 integer	c45 integer	c85 integer
c6 integer	c46 integer	c86 integer
c7 smallint	c47 smallint	c87 smallint
c8 smallint	c48 smallint	c88 smallint
c9 integer	c49 integer	c89 integer
c10 integer	c50 integer	c90 integer
c11 smallint	c51 smallint	c91 smallint
c12 smallint	c52 smallint	c92 smallint
c13 integer	c53 integer	c93 integer
c14 integer	c54 integer	c94 integer
c15 smallint	c55 smallint	c95 smallint
c16 smallint	c56 smallint	c96 smallint
c17 integer	c57 integer	c97 integer
c18 integer	c58 integer	c98 integer
c19 smallint	c59 smallint	c99 smallint
c20 smallint	c60 smallint	c100 smallint
c21 integer	c61 integer	c101 integer
c22 integer	c62 integer	c102 integer
c23 smallint	c63 smallint	c103 smallint
c24 smallint	c64 smallint	c104 smallint
c25 integer	c65 integer	c105 integer
c26 integer	c66 integer	c106 integer
c27 smallint	c67 smallint	c107 smallint
c28 smallint	c68 smallint	c108 smallint
c29 integer	c69 integer	c109 integer

TABLE ar9052 cont'd

c110 integer	c150 integer	c190 integer
c111 smallint	c151 smallint	c191 smallint
c112 smallint	c152 smallint	c192 smallint
c113 integer	c153 integer	c193 smallint
c114 integer	c154 integer	c194 smallint
c115 smallint	c155 smallint	c195 smallint
c116 smallint	c156 smallint	c196 smallint
c117 integer	c157 integer	c197 smallint
c118 integer	c158 integer	c198 smallint
c119 smallint	c159 smallint	c199 smallint
c120 smallint	c160 smallint	c200 smallint
c121 integer	c161 integer	c201 smallint
c122 integer	c162 integer	c202 smallint
c123 smallint	c163 smallint	c203 smallint
c124 smallint	c164 smallint	c204 smallint
c125 integer	c165 integer	c205 smallint
c126 integer	c166 integer	c206 smallint
c127 smallint	c167 smallint	c207 smallint
c128 smallint	c168 smallint	c208 smallint
c129 integer	c169 integer	c209 smallint
c130 integer	c170 integer	c210 smallint
c131 smallint	c171 smallint	c211 smallint
c132 smallint	c172 smallint	c212 smallint
c133 integer	c173 integer	c213 smallint
c134 integer	c174 integer	c214 smallint
c135 smallint	c175 smallint	c215 smallint
c136 smallint	c176 smallint	c216 smallint
c137 integer	c177 integer	c217 smallint
c138 integer	c178 integer	c218 smallint
c139 smallint	c179 smallint	c219 smallint
c140 smallint	c180 smallint	c220 smallint
c141 integer	c181 integer	c221 smallint
c142 integer	c182 integer	c222 smallint
c143 smallint	c183 smallint	c223 smallint
c144 smallint	c184 smallint	c224 smallint
c145 integer	c185 integer	c225 smallint
c146 integer	c186 integer	c226 smallint
c147 smallint	c187 smallint	c227 smallint
c148 smallint	c188 smallint	c228 smallint
c149 integer	c189 integer	



TABLE ar9053

st char(2)	c30 integer	c70 integer
rptdate date	c31 smallint	c71 smallint
mods smallint	c32 smallint	c72 smallint
crdate char(12)	c33 integer	c73 integer
revdate char(12)	c34 integer	c74 integer
mldate char(12)	c35 smallint	c75 smallint
mlflag char(1)	c36 smallint	c76 smallint
cm char(1)	c37 integer	c77 integer
hostname char(8)	c38 integer	c78 integer
user_id char(8)	c39 smallint	c79 smallint
trans_id char(8)	c40 smallint	c80 smallint
c1 integer	c41 integer	c81 integer
c2 integer	c42 integer	c82 integer
c3 smallint	c43 smallint	c83 smallint
c4 smallint	c44 smallint	c84 smallint
c5 integer	c45 integer	c85 integer
c6 integer	c46 integer	c86 integer
c7 smallint	c47 smallint	c87 smallint
c8 smallint	c48 smallint	c88 smallint
c9 integer	c49 integer	c89 integer
c10 integer	c50 integer	c90 integer
c11 smallint	c51 smallint	c91 smallint
c12 smallint	c52 smallint	c92 smallint
c13 integer	c53 integer	c93 integer
c14 integer	c54 integer	c94 integer
c15 smallint	c55 smallint	c95 smallint
c16 smallint	c56 smallint	c96 smallint
c17 integer	c57 integer	c97 integer
c18 integer	c58 integer	c98 integer
c19 smallint	c59 smallint	c99 smallint
c20 smallint	c60 smallint	c100 smallint
c21 integer	c61 integer	c101 integer
c22 integer	c62 integer	c102 integer
c23 smallint	c63 smallint	c103 smallint
c24 smallint	c64 smallint	c104 smallint
c25 integer	c65 integer	c105 integer
c26 integer	c66 integer	c106 integer
c27 smallint	c67 smallint	c107 smallint
c28 smallint	c68 smallint	c108 smallint
c29 integer	c69 integer	c109 integer

TABLE ar9053 cont'd

c110 integer	c150 integer	c190 integer
c111 smallint	c151 smallint	c191 smallint
c112 smallint	c152 smallint	c192 smallint
c113 integer	c153 integer	c193 smallint
c114 integer	c154 integer	c194 smallint
c115 smallint	c155 smallint	c195 smallint
c116 smallint	c156 smallint	c196 smallint
c117 integer	c157 integer	c197 smallint
c118 integer	c158 integer	c198 smallint
c119 smallint	c159 smallint	c199 smallint
c120 smallint	c160 smallint	c200 smallint
c121 integer	c161 integer	c201 smallint
c122 integer	c162 integer	c202 smallint
c123 smallint	c163 smallint	c203 smallint
c124 smallint	c164 smallint	c204 smallint
c125 integer	c165 integer	c205 smallint
c126 integer	c166 integer	c206 smallint
c127 smallint	c167 smallint	c207 smallint
c128 smallint	c168 smallint	c208 smallint
c129 integer	c169 integer	c209 smallint
c130 integer	c170 integer	c210 smallint
c131 smallint	c171 smallint	c211 smallint
c132 smallint	c172 smallint	c212 smallint
c133 integer	c173 integer	c213 smallint
c134 integer	c174 integer	c214 smallint
c135 smallint	c175 smallint	c215 smallint
c136 smallint	c176 smallint	c216 smallint
c137 integer	c177 integer	c217 smallint
c138 integer	c178 integer	c218 smallint
c139 smallint	c179 smallint	c219 smallint
c140 smallint	c180 smallint	c220 smallint
c141 integer	c181 integer	c221 smallint
c142 integer	c182 integer	c222 smallint
c143 smallint	c183 smallint	c223 smallint
c144 smallint	c184 smallint	c224 smallint
c145 integer	c185 integer	c225 smallint
c146 integer	c186 integer	c226 smallint
c147 smallint	c187 smallint	c227 smallint
c148 smallint	c188 smallint	c228 smallint
c149 integer	c189 integer	

TABLE ar9054h

st char(2)  
 rptdate date  
 mods smallint  
 crdate char(12)  
 revdate char(12)  
 mldate char(12)  
 mlflag char(1)  
 cm char(1)  
 hostname char(8)  
 user\_id char(8)  
 trans\_id char(8)  
 c1 integer  
 c2 integer  
 c3 smallint  
 c4 integer  
 c5 integer  
 c6 smallint  
 c7 integer  
 c8 integer  
 c9 smallint  
 c10 integer  
 c11 integer  
 c12 smallint  
 c13 integer  
 c14 integer  
 c15 smallint  
 c16 integer  
 c17 integer  
 c18 smallint  
 c19 integer  
 c20 integer  
 c21 smallint  
 c22 integer  
 c23 integer  
 c24 smallint  
 c25 integer  
 c26 integer  
 c27 smallint

c28 integer  
 c29 integer  
 c30 smallint  
 c31 integer  
 c32 integer  
 c33 smallint  
 c34 integer  
 c35 integer  
 c36 smallint  
 c37 integer  
 c38 integer  
 c39 smallint  
 c40 integer  
 c41 integer  
 c42 smallint  
 c43 integer  
 c44 integer  
 c45 smallint

TABLE ar9054i

st char(2)  
 rptdate date  
 mods smallint  
 crdate char(12)  
 revdate char(12)  
 mldate char(12)  
 mlflag char(1)  
 cm char(1)  
 hostname char(8)  
 user\_id char(8)  
 trans\_id char(8)  
 c1 integer  
 c2 integer  
 c3 integer  
 c4 integer  
 c5 integer  
 c6 integer  
 c7 integer  
 c8 integer  
 c9 integer  
 c10 integer  
 c11 integer  
 c12 integer  
 c13 integer  
 c14 integer  
 c15 integer  
 c16 integer  
 c17 integer  
 c18 integer  
 c19 integer  
 c20 integer  
 c21 integer  
 c22 integer  
 c23 integer  
 c24 integer

## Appendix B

**TABLE ar9055h**

st char(2)	trans_id char(8)
rptdate date	c1 integer
mods smallint	c2 integer
crdate char(12)	c3 integer
revdate char(12)	c4 integer
mldate char(12)	c5 integer
mlflag char(1)	c6 integer
cm char(1)	c7 integer
hostname char(8)	c8 decimal(7,1)
user_id char(8)	c9 decimal(7,1)

**TABLE ar9055l**

st char(2)	c1 integer
rptdate date	c2 integer
mods smallint	c3 integer
crdate char(12)	c4 integer
revdate char(12)	c5 integer
mldate char(12)	c6 integer
mlflag char(1)	c7 integer
cm char(1)	c8 integer
hostname char(8)	c9 decimal(7,1)
user_id char(8)	c10 decimal(7,1)
trans_id char(8)	

TABLE ar9056

st char(2)	c8 char(4)
rptdate date	c10 date
mods smallint	c11 char(1)
crdate char(12)	c12 date
revdate char(12)	c13 date
mldate char(12)	c14 char(1)
mlflag char(1)	c15 date
cm char(1)	c16 char(1)
hostname char(8)	c17 char(1)
user_id char(8)	c18 char(1)
trans_id char(8)	c20 char(1)
c1 decimal(5,0)	c21 char(1)
c2 char(2)	c24 date
c3 char(1)	c26 char(1)
c4 char(2)	c27 smallint
c5 char(1)	c28 char(4)
c6 char(1)	c29 char(1)
c7 char(1)	c30 date

TABLE ar9056t

st char(2)	pop_nonseps integer
rptdate date	num_seps smallint
user_id char(8)	num_nonseps smallint
lock_date date	num_seps_nomat smallint
samp_size smallint	num_nonseps_nomat smallint
load_type char(1)	num_seps_noiss smallint
seps_score decimal(5,2)	num_nonseps_noiss smallint
nonseps_score decimal(5,2)	num_seps_redet smallint
weight_score decimal(5,2)	num_nonseps_redet smallint
pop_seps integer	overall_flag char(1)
	missing_flag char(1)

## Appendix B

**TABLE ar9057**

st char(2)	c16 char(1)
rptdate date	c17 char(1)
mods smallint	c18 char(1)
crdate char(12)	c19 char(1)
revdate char(12)	c20 char(1)
mldate char(12)	c21 char(1)
mlflag char(1)	c22 char(1)
cm char(1)	c23 char(1)
hostname char(8)	c24 char(1)
user_id char(8)	c25 char(1)
trans_id char(8)	c26 char(1)
c1 decimal(5,0)	c27 char(1)
c2 char(1)	c28 char(1)
c3 char(1)	c29 char(1)
c4 char(1)	c30 char(1)
c5 char(1)	c31 char(1)
c6 char(1)	c32 char(1)
c7 char(1)	c33 char(1)
c8 char(1)	c34 char(1)
c9 char(1)	c35 date
c10 char(1)	c36 date
c11 char(1)	c37 char(2)
c12 char(1)	c38 smallint
c13 char(1)	c39 char(12)
c14 char(1)	c40 smallint
c15 char(1)	c41 char(1)

**TABLE ar9057t**

st char(2)
rptdate date
user_id char(8)
lock_date date
score decimal(5,2)
samp_size smallint
load_type char(1)
num_cases smallint
num_cases_unscored smallint
missing_flag char(1)

**TABLE ar9128**

st char(2)  
rptdate date  
mods smallint  
crdate char(12)  
revdate char(12)  
mldate char(12)  
mlflag char(1)  
cm char(1)  
hostname char(8)  
user\_id char(8)  
trans\_id char(8)  
c1 integer  
c2 integer  
c3 integer  
c4 integer  
c5 integer  
c6 integer  
c7 integer  
c8 integer  
c9 integer  
c10 integer  
c11 integer  
c12 integer  
c13 integer  
c14 decimal(12,0)  
c15 integer  
c16 integer  
c17 integer  
c18 integer  
c19 integer  
c20 decimal(12,0)  
c21 integer  
c22 integer

**TABLE ar9129**

st char(2)  
rptdate date  
mods smallint  
crdate char(12)  
revdate char(12)  
mldate char(12)  
mlflag char(1)  
cm char(1)  
hostname char(8)  
user\_id char(8)  
trans\_id char(8)  
c1 integer  
c2 integer  
c3 decimal(12,0)  
c4 integer  
c5 integer  
c6 integer  
c7 decimal(10,1)  
c8 decimal(12,0)  
c9 integer  
c10 integer  
c11 decimal(12,0)  
c12 integer  
c13 integer  
c14 integer  
c15 decimal(10,1)  
c16 decimal(12,0)



**TABLE arui1**

st char(2)  
rptdate date  
mods smallint  
crdate char(12)  
revdate char(12)  
mldate char(12)  
mlflag char(1)  
cm char(1)  
hostname char(8)  
user\_id char(8)  
c11 decimal(7,2)  
c12 decimal(6,2)  
c13 decimal(6,2)  
c14 decimal(6,2)  
c15 decimal(6,2)  
c16 decimal(7,2)  
c17 decimal(6,2)  
c18 decimal(6,2)  
c19 decimal(6,2)  
c20 decimal(6,2)

TABLE arui3

st char(2)	c36 decimal(13,2)
rptdate date	c38 decimal(5,4)
mods smallint	c39 integer
crdate char(12)	c40 decimal(4,2)
revdate char(12)	c41 integer
mldate char(12)	c42 integer
mlflag char(1)	c43 integer
cm char(1)	c44 integer
hostname char(8)	c45 decimal(10,3)
user_id char(8)	c46 decimal(7,2)
reg_id char(8)	c47 decimal(7,2)
reg_date char(12)	c48 decimal(7,2)
c1 decimal(7,2)	c49 decimal(6,2)
c2 decimal(7,2)	c50 decimal(6,2)
c3 decimal(7,2)	c51 decimal(6,2)
c4 decimal(6,2)	c52 integer
c5 decimal(6,2)	c53 decimal(7,2)
c6 decimal(6,2)	c54 decimal(7,2)
c7 decimal(5,2)	c55 integer
c8 decimal(5,2)	c56 decimal(7,2)
c9 decimal(6,2)	c57 decimal(7,2)
c10 decimal(7,2)	c62 integer
c11 decimal(7,2)	c63 decimal(7,2)
c12 decimal(7,2)	c64 decimal(7,2)
c13 decimal(5,2)	c65 integer
c14 decimal(6,2)	c66 decimal(7,2)
c15 decimal(6,2)	c67 decimal(7,2)
c16 decimal(7,2)	c68 decimal(7,2)
c17 decimal(7,2)	c71 integer
c18 decimal(7,2)	c72 decimal(6,3)
c19 decimal(5,0)	c73 decimal(7,2)
c20 char(1)	c74 decimal(7,2)
c23 decimal(6,3)	c75 decimal(7,2)
c24 integer	c76 decimal(7,2)
c25 decimal(6,3)	c77 decimal(7,2)
c26 integer	c78 decimal(7,2)
c28 decimal(6,3)	c79 integer
c29 integer	c80 integer
c30 decimal(10,3)	c81 integer
c31 integer	c82 integer
c32 integer	c83 decimal(9,2)
c35 smallint	

TABLE abui3

st char(2)  
 rptdate date  
 mods smallint  
 crdate char(12)  
 revdate char(12)  
 mldate char(12)  
 mlflag char(1)  
 cm char(1)  
 hostname char(8)  
 user\_id char(8)  
 reg\_id char(8)  
 reg\_date char(12)  
 c1 integer  
 c2 decimal(6,3)  
 c3 integer  
 c4 decimal(6,3)  
 c5 integer  
 c6 decimal(6,3)  
 c7 integer  
 c8 decimal(6,3)  
 c9 decimal(4,2)  
 c10 decimal(5,0)  
 c11 decimal(5,4)  
 c12 integer  
 c13 decimal(4,2)  
 c14 integer  
 c15 integer  
 c16 integer  
 c17 decimal(6,3)  
 c18 decimal(6,2)  
 c19 decimal(6,2)  
 c20 decimal(6,2)  
 c21 decimal(8,2)  
 c22 decimal(8,2)  
 c23 decimal(8,2)  
 c24 decimal(8,2)  
 c25 decimal(8,2)  
 c26 decimal(8,2)  
 c27 decimal(8,2)  
 c28 integer  
 c29 integer  
 c30 char(1)

TABLE asui3

st char(2)  
 rptdate date  
 mods smallint  
 crdate char(12)  
 revdate char(12)  
 mldate char(12)  
 mlflag char(1)  
 cm char(1)  
 hostname char(8)  
 user\_id char(8)  
 reg\_id char(8)  
 reg\_date char(12)  
 c1 integer  
 c2 decimal(6,3)  
 c3 decimal(6,2)  
 c4 decimal(5,4)  
 c5 integer  
 c6 decimal(4,2)  
 c7 integer  
 c8 integer  
 c9 decimal(6,2)  
 c10 decimal(6,2)  
 c11 decimal(6,2)  
 c12 decimal(7,2)  
 c13 decimal(7,2)  
 c14 decimal(7,2)  
 c15 integer  
 c16 integer  
 c17 decimal(5,0)  
 c18 char(1)

TABLE atui3

st char(2)  
 rptdate date  
 mods smallint  
 crdate char(12)  
 revdate char(12)  
 mldate char(12)  
 mlflag char(1)  
 cm char(1)  
 hostname char(8)  
 user\_id char(8)  
 reg\_id char(8)  
 reg\_date char(12)  
 c1 integer  
 c2 decimal(6,3)  
 c3 integer  
 c4 decimal(6,3)  
 c5 integer  
 c6 decimal(6,3)  
 c7 integer  
 c8 decimal(6,3)  
 c9 decimal(4,2)  
 c10 decimal(5,0)  
 c11 decimal(5,4)  
 c12 integer  
 c13 decimal(4,2)  
 c14 integer  
 c15 integer  
 c16 integer  
 c17 decimal(6,3)  
 c18 decimal(6,2)  
 c19 decimal(6,2)  
 c20 decimal(6,2)  
 c21 decimal(8,2)  
 c22 decimal(8,2)  
 c23 decimal(8,2)  
 c24 decimal(8,2)  
 c25 decimal(8,2)  
 c26 decimal(8,2)  
 c27 decimal(8,2)  
 c28 integer  
 c29 integer  
 c30 char(1)

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