Standard Import Utility for Manitou 1.6.2

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Table of Contents

OVERVIEW

The Standard Import Utility is used to import data into Manitou by using either data files or the Common Import Database (CID). This document will explain how data should be added to the Common Import Database or how files should be organized so that importing data is efficient and less prone to import failures.

USING THE COMMON IMPORT DATABASE AS SOURCE DATA

Standard Import can use data from a special set of tables called the Common Import Database (CID) as source data. The tables of the CID are created by Standard Import, populated by the user, and queried by Standard Import to generate an import file.

When using the CID as the primary import source, Standard Import divides the work of importing into two steps. First, Standard Import queries the CID tables and generates an import file. Second, this import file is sent to the Main Processor for normal processing. This has several implications. If an error is encountered during the first step, Standard Import will halt immediately. The user can then correct the error in the CID, resume the process, and Standard Import will begin where it left off. If an error is encountered during the second step, Standard Import reports those errors just as it would if the source data were coming from a user-defined import file, giving line numbers and column information for the error.

For a full import (as opposed to Test Mode), second-step errors result in Standard Import marking CID records with an incremental number. This number also displays in the error message text surrounded by brackets. You can use the number reported in the error message text to locate the offending row in the CID, make the necessary corrections, and restart the import process. You may continue this process until no errors are discovered and the import completes successfully.

COMMON IMPORT DATABASE SCHEMA

The CID Schema matches that of the Record Definitions section below with the following exceptions:

- Each table in the CID is named StdImp*SECTION_NAME* where *SECTION_NAME* is the name of the import file section defining the record data. For example, the table holding PANELTYPE information would be named StdImpPANELTYPE.
- There are two additional columns in each table that do not correspond to any of the column names in the record definition. These should never be augmented by the user. _IMPORTED and _ERRNO are the last two columns of the table. _IMPORTED is set to "1" by Standard Import when that row has been

successfully queried and added to the generated import file. _ERRNO can be used to locate errors reported by Standard Import in the CID so that the user may correct them.

- Some tables may have a column whose name is preceded by an underscore (for example, "_SEQ"). This column is an auto-ID field and cannot be populated by the user.

USING IMPORT FILES AS SOURCE DATA

Standard Import can use one or more import files as source data. The import files contain data in a particular format and order. Even when using the Common Import Database, Standard Import will generate an import file and base its error reporting off of this file, so it is important to be capable of reading it.

Syntax

An import file contains two different elements: comments (inline or block) and records (data).

Comments

Comments may be inline or block. Inline comments apply solely to a specific line and must begin with two forward slashes (//). Any text on that line following the slashes is ignored by Standard Import.

Block comments apply to all text between two symbols - the begin comment symbol (/*) and the end comment symbol (*/). These can appear anywhere in the file. All text between the two symbols is ignored by Standard Import.

Note: An exception exists when the symbols appear inside a quoted string. When a quoted string is present, Standard Import recognizes the text.

Records

Data lines, or records, must appear on a single line and in a specific format. Each data element within a record is called a data field, and all data fields are separated by commas. For example:

```
1016,"CUST-001","Customer 001",,0,1,"USENG","GMT-05:00",1,,1, 0,
"Main Street","Whispering Pines",,,
```

Data Line Syntax Rules

1. Each data line contains a numeric code indicating the type of record being defined. In the example above, 1016 is the code for a CUSTOMER record. (See the Data Record Numeric Codes section below for a list of all record types and their corresponding numeric codes.)
2. Each data line is a single line with no carriage return. To insert carriage returns in a quoted string, use the ASCII character 1. This character will be interpreted as a carriage return and will be stored in the database as a carriage return upon importing.
3. Each data field is separated by a comma. When a data field is optional, a comma is used to separate the optional field from the following field. This is done because the Standard Import must know that this data field is accounted for, even if the data does not exist. In the previous example, the data line ends in a comma because the final field is optional.
4. Spaces between fields are ignored.
5. String (or textual) data is delineated by double quotation marks. This allows you to use commas or other symbols (such as #, / / , /* or commas) inside the string so the utility knows not to interpret them. If a double quotation mark is needed inside the string, use two consecutive double quotation marks with no inserted spaces (for e.g., "A string with ""double"" quotes").

Record Definition

In addition to basic syntax checking, the data provided is checked semantically based on the record definition. The record definition shows how many data fields are expected for the record, the type of data for each data field, and whether or not the data field is optional.

Semantic Rules for a Data Line

1. The data field count is verified. If the record definition indicates ten data fields, the user must provide a position for ten fields, even if some of the fields are optional. For example, there should be nine commas in the data line separating the ten data fields.
2. The length of the string is verified. Strings exceeding the data field length in the record definition will produce a warning and will be truncated.
3. The data type of the data field is verified. The following is a summary of all data types:
   - STRING: Mixed-case textual data
   - CODE: Upper-case textual data
   - LONGTEXT: Mixed-case textual data of variable size
   - YES/NO: Either 1 (Yes) or 0 (No)
   - VALUE: A positive or negative integer number
   - MONEY: A positive or negative floating point number, such as 12.50
   - DATE: A date value in one of the following formats: "MM/dd/yyyy", "MM-dd-yyyy"
   - TIME: A time value in one of the following formats: "HH:mm:ss", "HH:mm"

- DATETIME: A date/time value in one of the following formats: "MM/dd/yyyy H:mm:ss", "MM/dd/yyyy", "MM-dd-yyyy HH:mm:ss", "MM-dd-yyyy"

4. Some data fields refer to other data already defined in the database or in one of the existing data records. For example, the ADDRESS record requires a Region name which must be in the database. The import utility will check to see if the data provided is valid.
5. Some data fields can only accept certain values, such as a range of numbers from 1-10 or codes "A", "B", or "C". These values are checked against the record definition for validity.

   If a VALUE data field is OPTIONAL in the record definition, in most cases it will be interpreted as zero or NULL if no data is supplied. (Note that the Application Server may choose to default this value.)

Organizing Data Files

Ordering records in the data files is extremely important, as it ensures efficiency and provides the import utility with appropriate references. References are necessary and show what entities certain data records belong to. For example, an ADDRESS record must belong to an entity, such as a CUSTOMER:

```
// CUSTOMER
1016, "CUST-001","Customer 001",,0,1,"USENG","GMT-05:00",1,,1, 0,
    "Main Street","Whispering Pines",,,

// ADDRESS
1003, 1,"CUST-001",,0,"548 Crider Avenue",,"Boomtown","OHIO","44663",1
```

In this example, the second and third data fields of the ADDRESS record (ContType and ContID) are references to the data line in the CUSTOMER section above it. The ADDRESS record must come after the CUSTOMER record because it references it. Placing the ADDRESS record before the CUSTOMER record will produce an error.

Entity Grouping

Data records should be grouped according to a single entity. This allows the utility to work with a single entity at a time and therefore be as efficient as possible. Though grouping data in this way is not necessary, spreading out data for an entity over the file or files significantly reduces efficiency. Importing data grouped according to a single entity is three times faster than importing data grouped by record type. For example:

```
// ------------------------------------------------
// Data for Customer 001
```

```
// CUSTOMER
1016, "CUST-001","Customer 001",,0,1,"USENG","GMT-05:00",1,,1,0,
"Main Street","Whispering Pines",,,

// ADDRESS
1003, 1,"CUST-001",,0,"548 Crider Avenue",,"Boomtown","OHIO",
"44663",1,

// ------------------------------------------------
// Data for Customer 002
// CUSTOMER
1016, "CUST-002","Customer 002",,0,1,"USENG","GMT-05:00",1,,1,0,
"Pine Avenue","Edgemont Ranch",,,

// ADDRESS
1003, 1,"CUST-002",,0,"123 Pine Avenue",,"Boomtown","OHIO",
"44663",1,
```

In the example above, data records are grouped together by Customer. This is the most efficient way to import data.

Note: When using multiple import files, an entity should not span multiple files. When the utility hits the end of the file, it assumes the entity is being switched and goes ahead and imports it.

The following example is a suggested order of data records in a file:

NON-ENTITY DATA

TXTYPE, PANELTYPE, TXEVENTPRG, TXTYPEPRG

PERSON

PERSON, GENSCHED, GENSCHED_D, CONTPOINT, ADDRESS, ALTCONTACT, COMMENTS

BRANCH

BRANCH, GENSCHED, GENSCHED_D, CONTLIST, CONTPOINT, CALLLIST, CALLLIST_D, ADDRESS, ALTCONTACT, ATTN, COMMENTS

AGENCY

AGENCY, GENSCHED, GENSCHED_D, CONTLIST, CONTPOINT, CALLLIST, CALLLIST_D, ADDRESS, ALTCONTACT, ATTN, COMMENTS

AUTHORITY

AUTHORITY, GENSCHED, GENSCHED_D, CONTLIST, CONTPOINT, CALLLIST, CALLLIST_D, ADDRESS, ALTCONTACT, ATTN, COMMENTS

INSTALLER

INSTALLER, GENSCHED, GENSCHED_D, CONTLIST, CONTPOINT, CALLLIST, CALLLIST_D, ACTIONS, ACTIONS_D, ATTN, INSTCP, INSTRATE, INSTRATE_D, ADDRESS, ALTCONTACT, COMMENTS, INSTCHG, INSTEVPRG, INSTTX, INSTIDRNG

CUSTOMER

CUSTOMER, CUSTSYS, AC_SECTOR, GENSCHED, GENSCHED_D, OC_SCHED, OC_SCHED_D, SAREA, CONTLIST, CONTLIST_D, CONTPOINT, CALLLIST, CALLLIST_D, ACTIONS, ACTIONS_D, ATTN, STX, EVENTPRG, SZONES, SASSET, REMINDER, STXLINK, STXPRG, ADDRESS, ALTCONTACT, COMMENTS, CUSTOPTIONS, CUSTPW, CUSTUFLD, PERMIT

CLOG

CLOG

Caveats

- When you run the Standard Import Utility for the first time, you must run it as an Administrator. Running the application for the first time as a regular user may result in error.
- In the case of Customer sub-accounts (including STXLINK records where a sub-account is referenced), the sub-account should precede the main account in the file.
- Some records require two or more passes to be completely imported. Be aware that, in Test Mode, these records may produce reference errors that can be completely resolved in Full Import Mode.
- Certain records must be grouped together and may not be spread through the data file or files. These include records that are required for a minimum store. For example, the main entity and its ADDRESS record cannot be separated, because a minimum entity store requires both of these. CALLLIST and CALLLIST_D for a single entity must display together (all Call Lists may

be given, then their details). ACTIONS and ACTIONS_D for a single entity must display together (all Actions may be given, then their details). OC_SCHED and OC_SCHED_D for a single entity must display together (all Schedule headers may be given, then their details).

DATA RECORD NUMERIC CODES

Each data record type has a corresponding numeric code that must be given as the first column of the data record. This code identifies the type of the data record. The following is a list of all record types and their numeric codes:

AC_SECTOR	1000
ACTIONS	1001
ACTIONS_D	1002
ADDRESS	1003
AGENCY	1004
ALTCONTACT	1005
ATTN	1006
AUTHORITY	1007
BRANCH	1008
CALLLIST	1009
CALLLIST_D	1010
CLOG	1011
COMMENTS	1012
CONTLIST	1013
CONTLIST_D	1014
CONTPOINT	1015
CUSTOMER	1016
CUSTOPTIONS	1017
CUSTPW	1018
CUSTSYS	1019
CUSTUFLD	1020
EVENTPRG	1021
GENSCHED	1022
GENSCHED_D	1023
INSTALLER	1024
INSTCHG	1025
INSTCP	1026

INSTEVPRG	1027
INSTIDRNG	1028
INSTRATE	1029
INSTRATE_D	1030
INSTTX	1031
MONSRV	1052
OC_SCHED	1032
OC_SCHED_D	1033
PANELTYPE	1034
PERMIT	1035
PERSON	1036
REMINDER	1037
SAREA	1038
SASSET	1039
STX	1040
STXLINK	1041
STXPRG	1042
SZONES	1043
TXEVENTPRG	1044
TXTYPE	1045
TXTYPEPRG	1046

Record Definitions

The following is a list of all record definitions the Standard Import Utility is capable of importing. Although the following record definitions do not explicitly show it, the first column of each data record is always the data record type's numeric code.

CUSTOMER (1016)

An example of a CUSTOMER string is represented by the following:
// Customer
1016,"SIUTEST0002","Test customer 0001 for the SIU2345678901234567890","TEST CUSTOMER 0001 FOR THE SIU2345678901234567890",0,1,"USENG","GMT-06:00",0,"SIUTEST0001",,1,"Cross Street345678901234567890123456789012345","Subdivision2345678901234567890123456789012345","","","",0,

CONTID must be unique.

CONTID: CODE(12)

This specifies the new customer's Customer ID.

FULLNAME: STRING(50)

This is the customer's name.

FILEAS: STRING(50): OPTIONAL

This field is used to search for a Customer by name and will be converted to be all upper case. Residential names should normally be given as "Last Name, First Name(s)". If left blank, the utility will use the FULLNAME value. For Customers with a SUBTYPE of 0 (residential), the utility will take the last 'word' of the FULLNAME and put it at the beginning followed by a comma and a space, then the rest of the FULLNAME. If the FULLNAME for a Customer record with a SUBTYPE of 0 is "Joe Smith Jr.", and FILEAS is left blank, then the utility will cause FILEAS to be "JR., JOE SMITH" since it sees 'Jr.' as the last word. The import data can properly set FILEAS to be 'SMITH JR., JOE" in these cases.

TIMEFMT: VALUE: OPTIONAL

This refers to the time format to be shown on reports sent to this customer and can be one of the following values: 0=format specified in the Country definition (default), 1=12-hour time format, 2=24-hour time format.

COUNTRY: VALUE

The must reference a valid country in the receiving Manitou database (here and all other occurrences).

LOCALE: CODE(5)

This must reference a valid locale in the receiving Manitou database (here and all other occurrences).

TIMEZONE: CODE(15)

This must reference a valid time zone in the receiving Manitou database (here and all other occurrences).

SUBTYPE: VALUE

This must reference a valid Customer Premises Type. Customer Premises Types can be found in the Supervisor Workstation under Maintenance > Setup > Subtypes. Note that '0' always implies a residential customer type regardless of its description.

MSTID: CODE(12): OPTIONAL

If supplied, this must reference a valid master customer's Customer ID. It can also point to itself (CONTID = MSTID) signifying that this customer is a master customer. Alarm handling distribution and On Test entries are grouped by master customer.

USEMASTER: YES/NO: OPTIONAL.

The Use Master indicator is for future use. Leave blank.

ACCTYPE: VALUE: OPTIONAL:

This is the customer account type: (0=Normal Account, 1=Main Account, 2=Sub-Account, 20=System Account).

CROSSSTREET: STRING(35): OPTIONAL

The cross street of the customer.

SUBDIVISION: STRING(35): OPTIONAL

The subdivision name for the customer.

CMPYID: CODE(12): OPTIONAL:

If supplied, this must reference a valid Accounting Company ID in the receiving Manitou database with an Interface Type of 'Not Interfaced'. Both CMPYID and ACCTID must be supplied or neither (both blank).

ACCTID: CODE(24): OPTIONAL

Both CMPYID and ACCTID must be supplied or neither. The Accounting Company setup may require ACCTID to be unique. This will be enforced at store time by the Manitou system. For push-type accounting companies (like Sedona) that allow the creation of accounts, provide an asterisk as the first character in the ACCTID string to force creation of this account. Use "* (AUTO)" to have the accounting software automatically generate a new Account ID.

MAINID: CODE(12): OPTIONAL

If supplied, this must reference a valid main customer's Customer ID (ACCTYPE is1). This field is required and only valid when ACCTYPE is 2 (Sub-Account).

TEMPNO: VALUE

AGENCY (1004)

CONTID must be unique.

CONTID: CODE(12)

This specifies the new agency's Agency ID.

FULLNAME: STRING(50)

FILEAS: STRING(50): OPTIONAL

TIMEFMT: VALUE: OPTIONAL

COUNTRY: VALUE

LOCALE: CODE(5)

TIMEZONE: CODE(15)

SUBTYPE: VALUE: OPTIONAL

This must reference a valid Agency Type. These are found in the Supervisor Workstation under Maintenance > Setup > Subtypes.

DISPCODE: CODE(25): OPTIONAL

This is the Dispatch Charge Code field.

QUESTION: STRING(100): OPTIONAL

This is the question to be asked as an alternate form of verification.

ANSWER: STRING(50): OPTIONAL

This is the expected answer to the above verification question.

AUTHORITY

CONTID must be unique.

CONTID: CODE(12)

This specifies the new authority's Authority ID.

FULLNAME: STRING(50)

FILEAS: STRING(50): OPTIONAL

TIMEFMT: VALUE: OPTIONAL

COUNTRY: VALUE

LOCALE: CODE(5)

TIMEZONE: CODE(15)

SUBTYPE: VALUE

This is the type of authority. The possible values are 0=Police, 1=Fire, 2=Medical.

DISPCODE: CODE(25): OPTIONAL

This is the Dispatch Charge Code field.

PERMITREQD: YES/NO: OPTIONAL

This indicates whether customer permits are required.

FALSELMT: VALUE: OPTIONAL

This is the number of false alarms that will be allowed before fees or suspension of service.

FALSETYPE: VALUE: OPTIONAL

This is the type of false alarm period: (0=Sliding Window, 1=Calendar Period, 2=Forever - never resets).

FALSEPER: VALUE: OPTIONAL

This is the width of the sliding window (days) or calendar period (months).

FALSEMNTH: VALUE: OPTIONAL

This is the starting calendar month when FALSETYPE is 1 (Calendar Period).
PSAPID: VALUE: OPTIONAL
OSIID: STRING: OPTIONAL

BRANCH (1008)

CONTID must be unique.

CONTID: CODE(12)

This specifies the new branch's Branch ID.

FULLNAME: STRING(50)

FILEAS: STRING(50): OPTIONAL

TIMEFMT: VALUE: OPTIONAL

COUNTRY: VALUE

LOCALE: CODE(5)

TIMEZONE: CODE(15)

INSTALLER (1024)

The INSTALLER record refers to Dealers. CONTID must be unique.

CONTID: CODE(12)

This specifies the new dealer's Dealer ID and must be unique for all dealers in the receiving Manitou database.

FULLNAME: STRING(50)

FILEAS: STRING(50): OPTIONAL

TIMEFMT: VALUE: OPTIONAL

COUNTRY: VALUE

LOCALE: CODE(5)

TIMEZONE: CODE(15)

MSTID: CODE(12): OPTIONAL

If supplied, this must reference a valid master dealer's Dealer ID.

USEMASTER: YES/NO: OPTIONAL

This field indicates if a sub-dealer should show its master's information on an alarm screen. MSTID must be specified to have any effect.

MONGRP: VALUE: OPTIONAL

This is the optionally licensed Monitoring Group to be used for the dealer's customer's alarm activity, if not already directed to a specific monitoring group. A value of 0 is the default monitoring group – no override.

MONSTATUS: VALUE: OPTIONAL

This is the Monitoring Status of the Dealer (0=Normal, 1=Inactive). Please note that if this is set to Inactive, alarm monitoring will be stopped for all of this dealer's customers as if each Active customer was set to Inactive.

CMPYID: CODE(12): OPTIONAL

Accounting Company for Dealer Billing.

ACCTID: CODE(24): OPTIONAL

Accounting Company for Dealer Billing. For push-type accounting companies (like Sedona) that allow the creation of accounts, provide an asterisk as the first character in the ACCTID string to force creation of this account. Use "* (AUTO)" to have the accounting software automatically generate a new Account ID.

CMPYID2: CODE(12): OPTIONAL

Accounting Company for Third-Party Dealer Billing. If using both CMPYID and CMPYID2, they should be different.

ACCTID2: CODE(24): OPTIONAL

Account Number for Third Party Dealer Billing. For push-type accounting companies (like Sedona) that allow the creation of accounts, provide an asterisk as the first character in the ACCTID2 string to force creation of this account. Use "* (AUTO)" to have the accounting software automatically generate a new Account ID.

CUSTOOS: YES/NO: OPTIONAL

This indicates whether customers are allowed to put their own system on test.

ENGSEC: VALUE: OPTIONAL

This is the Technician security modifier: (0=Monitoring Company Level – normal, 1=Prefix Required). If set to 1, a periodically changing value must be given by the Technician in addition to their password.

EXTEMAILCP: VALUE: OPTIONAL

Contact point sequence of email address to use when sending emails to this installer's customers(-1=Use global name/email address)

PERSON (1036)

CONTID must be unique.

CONTID: CODE(12)

NAME: STRING(50)

FILEAS: STRING(50): OPTIONAL

If left blank, the utility will take the last 'word' of the NAME and put it at the beginning followed by a comma and a space, then the rest of the NAME.

TIMEFMT: VALUE: OPTIONAL

COUNTRY: VALUE

LOCALE: CODE(5)

TIMEZONE: CODE(15)

SUBTYPE: VALUE: OPTIONAL

This must reference a valid Keyholder Type. Keyholder Types can be found in the Supervisor Workstation under Maintenance > Setup > Subtypes.

PASSWD: CODE(25): OPTIONAL

This is the password for this person.

VRTID: CODE(12): OPTIONAL

This is the Voice Response system login ID.

WEBID: CODE(12): OPTIONAL

This is the Web (BoldNet) link between the Manitou user and the Web user (not necessarily the Web login ID).

SUFFIX: STRING(10): OPTIONAL

This is the person's name suffix (e.g., 'Jr.', 'Sr.'). Suggested suffixes are found in the Supervisor Workstation under Maintenance > Setup > Subtypes, although any value may be imported.

INITIALS: STRING(10): OPTIONAL

This cannot be specified in the client, but is constructed by taking the first letter of each of the First Name, Middle Name and Last Name (typically entered by clicking the ellipsis next to the Name field on the Contact List or Keyholder form, or parsed from the Name field if entered through an import).

JOBTITLE: STRING(35): OPTIONAL

This is the person's Job Title.

SALUTATION: STRING(10): OPTIONAL

This is the person's title or salutation (e.g., 'Mr.', 'Mrs.'). Suggested suffixes are found in the Supervisor Workstation under Maintenance > Setup > Subtypes, although any value may be imported.

QUESTION: STRING(100): OPTIONAL

This is the question to be asked as an alternate form of verification.

ANSWER: STRING(50): OPTIONAL

This is the expected answer to the above verification question.

INACTDATEFRM: DATE: OPTIONAL

This is the start of this person's inactive period. This can be left empty even if INACTDATETO is specified.

INACTDATETO: DATE: OPTIONAL

This is the end of this person's inactive period. This can be left empty even if INACTDATEFRM is specified.

VALDATEFROM: DATE: OPTIONAL

This is the start of this person's valid period. This can be left empty even if VALDATETO is specified.

VALDATETO: DATE: OPTIONAL

This is the end of this person's valid period. This can be left empty even if VALDATEFRM is specified.

DOB: DATETIME: OPTIONAL

This is the Birthday (only month and day are shown – it is recommended that the year be 2000 since it allows leap day).

NOTES: LONGTEXT: OPTIONAL

This is any notes or information of interest regarding this person.

CONTID Notes

In the remaining record definitions, CONTID typically refers to the ID of the entity under which the particular record is to be created. DESCR typically applies to the particular record being entered. Similarly, CONTTYPE typically refers to the contact type of the entity under which the record is to be created (0 = monitoring company, 1 = customer, 2 = installer/dealer, 3 = branch, 4 = agency, 5 = authority, 100 = person). The remainder of the records may or may not share common criteria; items with common criteria will be noted as they arise.

AC_SECTOR (1000)

AC_SECTOR corresponds to the Sectors item under an Access Control system specified on the Systems form. CONTID + SYSNO must be unique.

CONTID: CODE(12):

This must reference a valid customer.

SYSNO: VALUE

Must reference a valid CUSTSYS record for the above customer.

SECTOR: CODE(5)

DESCR: STRING(35)

ACTIONS (1001)

ACTIONS corresponds with the list of the action patterns that display in the main portion of the Action Patterns. CONTTYPE + CONTID + ACTIONS must be unique.

CONTTYPE: VALUE: (0, 1, 2)

CONTID: CODE(12)

CONTTYPE + CONTID must reference a valid entity.

ACTIONS: CODE(8)

Only one occurrence of the same actions code is allowed per entity.

DESCR: STRING(35)

This is the action pattern description.

FIRSTAUTO: YES/NO: OPTIONAL

Should the Action Pattern Auto run first

CATEGORY: VALUE: OPTIONAL

Action Pattern Catecory

AUTORUN: YES/NO: OPTIONAL

Should the action pattern use Auto Run

ACTIONS_D (1002)

ACTIONS_D corresponds with the actual details of the action pattern that display in the Action Patterns form for an entity.

CONTTYPE: VALUE

CONTID: CODE(12)

CONTTYPE + CONTID must reference a valid entity.

ACTIONS: CODE(8)

CONTTYPE + CONTID + ACTIONS must reference a valid action pattern header for this entity.

CMDTYPE: VALUE

QUAL1: VALUE: OPTIONAL

QUAL2: CODE(12): OPTIONAL

CONTID when QUAL2 represents a Serial Number

QUAL2a: STRING(50): OPTIONAL

PERSONNAME when QUAL2 represents a Serial Number for Local Person

QUAL2a: STRING(50): OPTIONAL

PERSONREFID when QUAL2 represents a Serial Number for Local Person

QUAL3: VALUE: OPTIONAL

QUAL4: VALUE: OPTIONAL

QUAL4a: CODE(20): OPTIONAL

QUAL5: VALUE: OPTIONAL

QUAL6: VALUE: OPTIONAL

QUAL7: CODE(12): OPTIONAL

CONTID when QUAL7 represents a sub-Serial Number

QUAL7a: STRING(50): OPTIONAL

PERSONNAME when QUAL7 represents a sub-Serial Number for a Local Person

QUAL7b: STRING(50): OPTIONAL

PERSONREFID when QUAL7 represents a sub-Serial Number for a Local Person

QUAL8: VALUE: OPTIONAL

QUAL9: CODE(4): OPTIONAL

QUAL10: STRING(35): OPTIONAL

QUAL11: STRING(255): OPTIONAL

QUAL12: VALUE: OPTIONAL

QUAL13: VALUE: OPTIONAL

ADDRESS (1003)

An example of an ADDRESS string is represented by the following:
// Address
1003,1,"SIUTEST0002","","",0,"Address 1 for SIU test 0001
012345678901234567890","Address 2 for SIU test 0001
012345678901234567890","Address 3 for SIU test 0001
012345678901234567890","Address 4 for SIU test 0001
012345678901234567890","Kenosha","WI","53142","ADDRESS
1",1,"40.12345678901234,-74.12345678901234",,"","","","","","",""

This record includes all information necessary to create city record if necessary. ADDRTYPE applies only to local PERSONs; all other entities set this to 0, except in the case of alternate addresses, in which case this is used like a sequence number. MAILADDR applies only to PERSONs. The PERSONNAME/PERSONREFID combination is used only to uniquely identify local persons. If PERSONNAME/PERSONREFID is present, CONTTYPE and CONTID refer to the entity to which this person belongs. PERSONNAME is a foreign key to FULLNAME in CONTACT. CONTTYPE + CONTID + PERSONNAME + PERSONREFID + ADDRTYPE must be unique.

CONTTYPE: VALUE

CONTID: CODE(12)

CONTTYPE + CONTID must reference a valid entity.

PERSONNAME: STRING(50): OPTIONAL

If supplied, PERSONNAME + PERSONREFID must reference a valid local person of the above entity.

PERSONREFID: STRING(50): OPTIONAL

If supplied, PERSONNAME + PERSONREFID must reference a valid local person of the above entity.

GPSLOC: STRING(40): OPTIONAL

GPS Location (UPPERCASE)

ADDRTYPE: VALUE: OPTIONAL

The ADDRTYPE must reference a valid Address Type. These are found in the Supervisor Workstation under Maintenance > Setup > Subtypes. For non-person entities, this must be 0 or blank (only one site address allowed). Only one address of the same Address Type is allowed per person.

ADDR1: STRING(50)

Address line 1.

ADDR2: STRING(50): OPTIONAL

Address line 2.

ADDR3: STRING(50): OPTIONAL

Address line 3.

ADDR4: STRING(50): OPTIONAL

Address line 4.

CITYNAME: STRING(50)

Must reference an existing city in the receiving Manitou database

REGIONNAME: CODE(35)

The region name corresponds to the FILEAS column of an existing state or province in the receiving Manitou database. Regions can be edited in the Supervisor Workstation under Maintenance > Setup > Country Setup.

POSTCODE: STRING(15)

STREET: STRING(50): OPTIONAL

Address line 2.

COUNTRY: VALUE

Must reference an existing country in the receiving Manitou database

GPSLOC: STRING(40)

Address line 2.

MAILADDR: YES/NO: OPTIONAL

Leave Empty or set to 0 unless the record of a local persons

NUMBER: STRING(12): OPTIONAL

NAME: STRING(50): OPTIONAL

TYPE: STRING(10): OPTIONAL

POSTDIR: STRING(2): OPTIONAL

UNIT: STRING(20): OPTIONAL

ALTCONTACT (1005)

CONTTYPE: VALUE

CONTID: CODE(12)

CONTTYPE + CONTID must reference a valid entity.

FULLNAME: STRING(50)

ATTN (1006)

ATTN is found in the Attentions form of an entity. This does not apply to persons. CONTTYPE + CONTID + ATTNTYPE must be unique.

CONTTYPE: VALUE: (0, 1, 2, 3, 4, 5)

CONTID: CODE(12)

CONTTYPE + CONTID must reference a valid entity.

ATTNTYPE: VALUE

The ATTNTYPE must reference a valid Attention Type. These are found in the Supervisor Workstation under Maintenance > Setup > Subtypes. For non-person entities, this must be 0 or blank (only one site address allowed). Only one attention entry of the same type is allowed per entity.

REFCONTID: CODE(12) : OPTIONAL

This must reference a valid contact entity of the main entity's contact list. Either REFCONTID or PERSONNAME must be supplied.

PERSONNAME: STRING(50) : OPTIONAL

This, along with PERSONREFID, must reference a valid local person of the main entity's contact list. Either REFCONTID or PERSONNAME/PERSONREFID must be supplied.

PERSONREFID: STRING(50) : OPTIONAL

This, along with PERSONNAME, must reference a valid local person of the main entity's contact list. Either REFCONTID or PERSONNAME/PERSONREFID must be supplied.

CALLLIST (1009)

CALLLIST is the list of call lists in the Call Lists form for an entity. It is also the basic information presented in the upper section of the Call Lists form. CONTTYPE + CONTID + CALLLIST must be unique.

CONTTYPE: VALUE: (0, 1, 2, 3, 4, 5)

CONTID: CODE(12)

CONTTYPE + CONTID must reference a valid entity.

CALLLIST: CODE(4)

This is the call list code. Only one call-list entry of the same code is allowed per entity.

DESCR: STRING(35)

This is the call list description.

CLEVEL: VALUE: OPTIONAL

This is the Call List type (0=Main, 1=Sub List). A sub-list can be referenced (included) by a main list, and can also be used stand-alone.

ROTATEACT: YES/NO: OPTIONAL

This indicates whether this call list has a rotation schedule. Only lists that contain only persons may rotate.

ROTATEINT: VALUE: OPTIONAL

This is the interval (in days) at which a rotating call list will be rotated.

ROTATENXT: DATETIME: OPTIONAL

This is when the next rotation will occur (date and time).

ROTATECONTID: CODE(12) : OPTIONAL

If supplied, this must reference a valid global keyholder entity of this call list. For rotating call lists, either ROTATECONTID or PERSONNAME must be used to point to the current head of the rotating list.

PERSONNAME: STRING(50) : OPTIONAL

If supplied, this, along with PERSONREFID must reference a valid local person of this call list. For rotating call lists, either ROTATECONTID or PERSONNAME/PERSONREFID *in addition to* ROTATECPTYPENO or ROTATETYPETXT must be used to point to the current head of the rotating list.

PERSONREFID: STRING(50) : OPTIONAL

If supplied, this, along with PERSONNAME, must reference a valid local person of this call list. For rotating call lists, either ROTATECONTID or PERSONNAME/PERSONREFID *in addition to* ROTATECPTYPENO or ROTATETYPETXT must be used to point to the current head of the rotating list.

ROTATECPTYPENO: INTEGER : OPTIONAL

Used for pointing to the head of a rotating call list. ROTATECONTID or PERSONNAME/PERSONREFID *in addition to* ROTATECPTYPENO or ROTATETYPETXT must be used to point to the current head of the rotating list.

ROTATETYPETXT: STRING(20) : OPTIONAL

Used for pointing to the head of a rotating call list. ROTATECONTID or PERSONNAME/PERSONREFID *in addition to* ROTATECPTYPENO or ROTATETYPETXT must be used to point to the current head of the rotating list.

CALLSCHED: CODE(4) : OPTIONAL

This is the general schedule that can be applied to this call list. It can be used to control when the list is valid. If supplied, this must reference a valid 'Call List Availability' general schedule for this entity.

DEFERLIST: CODE(4) : OPTIONAL

If a CALLSCHED has been specified, this field can be used to redirect to a different call list should the schedule indicate that this list is 'out of schedule'.

CALLLIST_D (1010)

Notes: REFCONTTYPE/REFCONTID and PERSONNAME/PERSONREFID are used in two ways: (1) to locate a contact in the contact list to get the LISTSEQ number, and (2) to locate an appropriate SUBLIST. REFCONTTYPE and either REFCONTID or PERSONNAME/PERSONREFID are required unless SUBLIST is given, in which case only REFCONTID may be given or not. If SUBLIST is given and no reference contact is given,

LISTSEQ and CPTYPENO should be set to -1. PERSONNAME/PERSONREFID is used only for local persons in which case REFCONTTYPE must be 100 and REFCONTID is null.

This record corresponds primarily with the actual contact list. CONTTYPE + CONTID + CALLLIST + REFCONTTYPE + REFCONTID + PERSONNAME + PERSONREFID + CPTYPENO + TYPETXT must be unique.

CONTTYPE: VALUE

CONTID: CODE(12)

CONTTYPE + CONTID must reference a valid entity.

CALLLIST: CODE(4)

CONTTYPE + CONTID + CALLLIST must reference a valid call list header for this entity.

SEQ: VALUE

This field identifies the order position of the call list entry and must be supplied

REFCONTTYPE: VALUE: (0, 1, 2, 3, 4, 5, 100): OPTIONAL

This field identifies the contact type of a contact to be referenced by REFCONTID below.

REFCONTID: CODE(12): OPTIONAL

This must reference a valid contact entity of the main entity's contact list. Either REFCONTTYPE/REFCONTID or PERSONNAME must be supplied.

PERSONNAME: STRING(50): OPTIONAL

This, along with PERSONREFID, must reference a valid local person of the main entity's contact list. Either REFCONTTYPE/REFCONTID or PERSONNAME/PERSONREFID must be supplied.

PERSONREFID: STRING(50): OPTIONAL

This, along with PERSONNAME, must reference a valid local person of the main entity's contact list. Either REFCONTTYPE/REFCONTID or PERSONNAME/PERSONREFID must be supplied.

CPTYPENO: VALUE: OPTIONAL

If specified, this must reference a valid Contact Point Type of the above contact (identified by either REFCONTID or PERSONNAME). The Contact Point Types can be found in the Supervisor Workstation under Maintenance > Setup > Contact Point Types.

TYPETXT: STRING(20): OPTIONAL

If specified, this must reference the description of a valid Contact Point Type to contact. The Contact Point Types can be found in the Supervisor Workstation under Maintenance > Setup > Contact Point Types.

MUSTCNTCT: YES/NO: OPTIONAL

This indicates whether this contact must be contacted whether or not anyone else on the list has also been contacted.

NOROTATE: YES/NO: OPTIONAL

This indicates whether this contact rotates or not and applies only when a rotating list has been specified. Non-rotating persons will always appear at the bottom of the call list when presented to an operator.

SUBLIST: CODE(4): OPTIONAL

If supplied, this must reference a valid Sub-List of entity REFCONTTYPE/REFCONTID. SUBLIST cannot be specified for a sub-list. Only main lists can contain sub-lists. Either REFCONTID, PERSONNAME/PERSONREFID or SUBLIST must be supplied.

CLOG (1011)

See below.

COMMENTS (1012)

COMMENTS for entities (not persons).

CONTTYPE: VALUE: (0, 1, 2, 3, 4, 5)

CONTID: CODE(12)

CONTTYPE + CONTID must reference a valid entity (not including persons).

COMMENTTYPE: VALUE

This is the type of comment being imported (0=Temporary, 1=Standing, 2=Special Instructions, 100=In-house Comments – dealer only).

DESCR: STRING(35)

This is the description of the comment/instruction. For Special Instructions, this description must reference a Monitoring Company Special Instruction description (not case sensitive) and all other fields below will be ignored.

VALDATEFRM: DATETIME: OPTIONAL

VALDATETO: DATETIME: OPTIONAL

FOLLOWUP: DATETIME: OPTIONAL

This is valid for temporary comments only.

PRIORITY: VALUE: OPTIONAL

This value determines the order in which comments of a given type are displayed for a given entity.

ALERT: VALUE: OPTIONAL

This value determines when this comment will be shown to a user depending upon the context (Bitmask: 0x01=Alarm, 0x02=On Test, 0x04=Pre-Cancel, 0x08=Entity Maintenance, 0x10=Paged Contacts, 0x20=Temporary Comments, 0x40=Temporary Schedules).

MUSTSEE: YES/NO: OPTIONAL

This determines whether the comment must be seen by a user when found for an alarm. The above ALERT field must have the 'Alarm' value (ALERT bit-and 1 = 1). If the 'Alarm' value is set, the alarm will not be eligible for auto-client processing (initial handling must start with a user).

COMMENTS: LONGTEXT: OPTIONAL

SECURITY: VALUE: OPTIONAL

THREAT: VALUE: OPTIONAL

CONTLIST (1013)

Notes: The PERSONNAME/PERSONREFID combination is used only for local persons. To add a local person, use CONTLIST. However, users may add other data to a local person

using the appropriate section. For example, to add an address to a local person, use the ADDRESS section and fill in the appropriate fields required for adding an address to a local person. If PERSONNAME/PERSONREFID is present, CONTTYPE and CONTID refer to the entity to which this person belongs, and REFCONTID must be empty.

AUTHCONTPOINT is used to look up an existing Authority, and must be a properly formatted telephone number. If an appropriate Authority matching this contact point cannot be found, a new Authority will be created and added to the main entity.

CONTLIST corresponds to items found in the Contact Information tab, which is located in the Contact List form. Some items, such as Title, Suffix, Job, Birthday, etc. are stored in the PERSON record for an individual.

CONTTYPE + CONTID + REFCONTTYPE + REFCONTID + PERSONNAME + PERSONREFID must be unique.

CONTTYPE: VALUE: (0, 1, 2, 3, 4, 5)

CONTID: CODE(12)

CONTTYPE + CONTID must reference a valid entity (not including persons).

REFCONTTYPE: VALUE: (0, 1, 2, 3, 4, 5, 100)

This is the Contact Type of the contact.

REFCONTID: CODE(12): OPTIONAL

REFCONTTYPE/REFCONTID must reference a valid entity. Either REFCONTID or PERSONNAME/PERSONREFID must be specified, but not both.

PERSONNAME: STRING(50): OPTIONAL

REFCONTTYPE/PERSONNAME/PERSONREFID must reference a valid local person of this entity. REFCONTTYPE must be 100 for person if PERSONNAME/PERSONREFID is supplied. Either REFCONTID or PERSONNAME/PERSONREFID must be specified, but not both.

PERSONREFID: STRING(50): OPTIONAL

A name to give a local person that, together with PERSONNAME, can be used in other record types to refer to this local person.

AUTHCONTPOINT: STRING(50): OPTIONAL

Only applicable to references of contact type AUTHORITY

SUBTYPE: VALUE: OPTIONAL

If supplied, this must reference a valid SUBTYPE for the given REFCONTTYPE. For Authorities, the only allowed values are 0=Police, 1=Fire, 2=Medical and is not optional.

DISPSEQ: VALUE: OPTIONAL

This determines the order in which contacts are displayed in the contact list for an alarm. If not supplied, or multiple entries have the same DISPSEQ, the contact list order will prevail.

ACCESS: CODE(30): OPTIONAL

This is a list of characters that specify difference access permissions given to this contact. This field must be empty for Authority, Installer, Branch, and Customer – only applies to Person and Agency contact types. The possible characters are: A=Can Open/Close, C=Can Open/Close anytime, B=Can authorize a schedule change, D=Can put system on test, E=Can put designated area on test, F=Can cancel alarm, G=Can edit customer record, H=Can give out customer information, I=Can temporarily open, X=On Stop.

PASSWD: CODE(25) : OPTIONAL

This is valid for Person and Agency contact types only.

PROFNO: VALUE: OPTIONAL

This field, if supplied, must reference a valid Web profile and is only applicable to Person contact types with a PASSWD and a WEBID. Profiles can be edited in the Supervisor Workstation under Maintenance > Setup >Permissions, and expanding the Web Client Permissions tree.

NOMINSTEST: VALUE: OPTIONAL

For Person contact types with either a PASSWD and either a WEBID or a VRTID (or both), this field determines the maximum time allowed in minutes of an On Test event initiated by this person via the Web or VRT applications.

NOMINSOPEN: VALUE: OPTIONAL

For Person or Agency contact types, this field determines the time in minutes of an allowed temporary open window. This ACCESS attribute 'I' must also be specified.

INACTDATEFRM: DATETIME: OPTIONAL

INACTDATETO: DATETIME: OPTIONAL

VALDATEFROM: DATETIME: OPTIONAL

VALDATETO: DATETIME: OPTIONAL

SUPPRESS: YES/NO: OPTIONAL

If this field is a 'Yes', then it will not be shown on the full contact list display of an alarm.

PERSON_DOB: DATE: OPTIONAL

Local person's date of birth.

PERSON_VRTID: CODE(12): OPTIONAL

Local person's VRT ID.

PERSON_WEBID: CODE(12): OPTIONAL

Local person's Web ID.

PERSON_SUFFIX: STRING(10): OPTIONAL

Local person's suffix (e.g. "Jr.").

PERSON_JOBTITLE: STRING(35): OPTIONAL

Local person's job title.

PERSON_SALUTATION: STRING(10): OPTIONAL

Local person's salutation (e.g. "Mr.").

PERSON_QUESTION: STRING(100): OPTIONAL

Local person's security question.

PERSON_ANSWER: STRING(50): OPTIONAL

Local person's answer to security question.

NOTES: LONGTEXT: OPTIONAL

VALIDATED: YES/NO: OPTIONAL

CONTLIST_D (1014)

CONTLIST_D corresponds to the specific access permissions for an item in the CONTLIST. Though contacts in a customer will have every System and Area listed in the USER ID tab, only areas to be allowed will need an entry in the CONTLIST_D.

Notes: SEQ is automatically generated at insertion time, and LISTSEQ is recovered from corresponding CONTLIST record. PANUSRID requires AREA (which may be "*")

CONTTYPE: VALUE

CONTID: CODE(12)

CONTTYPE + CONTID must reference a valid entity.

REFCONTTYPE: VALUE

REFCONTID: CODE(12) : OPTIONAL

REFCONTTYPE / REFCONTID must reference a valid Person or Agency CONTLIST entry for this entity. Either REFCONTID or PERSONNAME must be specified, but not both.

PERSONNAME: STRING(50): OPTIONAL

REFCONTTYPE/PERSONNAME/PERSONREFID must reference a valid local person entry of this entity. REFCONTTYPE must be 100 for person if PERSONNAME/PERSONREFID is supplied. Either REFCONTID or PERSONNAME/PERSONREFID must be specified, but not both.

PERSONREFID: STRING(50): OPTIONAL

REFCONTTYPE/PERSONNAME/PERSONREFID must reference a valid local person entry of this entity. REFCONTTYPE must be 100 for person if PERSONNAME/PERSONREFID is supplied. Either REFCONTID or PERSONNAME/PERSONREFID must be specified, but not both.

SYSNO: VALUE

This must reference a valid system number for this entity.

AREA: CODE(4)

This is the area designation that this Person/Agency will be allowed to access and must reference a valid area for the above system number or '*' to indicate all areas of the system.

PANUSRID: CODE(12): OPTIONAL

This specifies the Panel User ID for the Person/Agency for the above Area and system. If AREA is '*', then this Panel User ID applies to all areas of the system. Specific Area/Panel User ID access can be specified including specific area overrides of the 'all' areas entry.

CONTPOINT (1015)

CONTPOINT corresponds to the various contact points found in the Contact Details tab in the Contact List form for an entity.

CONTTYPE: VALUE: (0, 1, 2, 3, 4, 5, 100)

CONTID: CODE(12)

If supplied, CONTTYPE + CONTID must reference a valid entity.

PERSONNAME: STRING(50): OPTIONAL

If supplied, CONTTYPE/PERSONNAME/PERSONREFID must reference a valid local person by name.

PERSONREFID: STRING(50): OPTIONAL

If supplied, CONTTYPE/PERSONNAME/PERSONREFID must reference a valid local person by name.

DISPSEQ: VALUE

This determines the order in which contact points are displayed. If not supplied, or multiple entries have the same DISPSEQ, the contact point list order will prevail.

CPTYPENO: VALUE: OPTIONAL

This must reference a valid Contact Point Type and is mutually exclusive of TYPETXT.

TYPETXT: STRING(20): OPTIONAL

This must reference a valid Contact Point Type by description and is mutually exclusive of CPTYPENO. Contact Point Types can be found in the Supervisor Workstation under Maintenance > Setup > Contact Point Types.

CONTPOINT: STRING(50) : OPTIONAL

The format depends upon the Contact Point Type which will indicate a phone number, pager number, fax number, retransmission address, email address or web address.

FILEAS: STRING(50): OPTIONAL

HIDDEN: YES/NO: OPTIONAL

This is indicates whether the Contact Point information is "Private" and should be hidden from general view.

DOCTYPE: VALUE: OPTIONAL

For email Contact Point Types, this specifies the document output type: 0=PDF, 1=RTF.

OUTDEVCDE: CODE(12): OPTIONAL

This is the Output Device Type for this Contact Point and applies to pager, retransmission and email Contact Point Types. If supplied, this must reference a valid Output Device Type. Output Device Types can be found in Supervisor Workstation under Maintenance > Setup > Output Device Types.

SVCECDE: CODE(12): OPTIONAL

If supplied, this must reference a valid Service Provider Device code. Not all Output Device Types require a Service Provider Device code. Service Provider Devices can be found in Supervisor Workstation under Maintenance > Setup > Service Provider Devices.

PAGERNO: CODE(10): OPTIONAL

This field specifies the extension number if the Contact Point Type is 'Phone Number' (non-pager) or the Pager Access Code if the Contact Point Type is 'Pager'.

SCHEDNO: CODE(4): OPTIONAL

If supplied, this must reference a valid 'Keyholder Availability' general schedule of the contact.

SCRIPTNO: VALUE: OPTIONAL:

If supplied, this must reference a valid Script Message number. This is valid for all contact types other than 'Web'.

COUNTRY: VALUE

This is the country to be used for formatting phone numbers and determining country access codes. This must reference a valid country in the receiving Manitou database.

CUSTOPTIONS (1017)

An example of a CUSTOPTIONS string is represented by the following:
// Custoptions
1017,"SIUTEST0002","11/01/2014",1,"","GRPCD","Generic group code description12345","CLS","Generic class code description12345",0,,"","",,0,0,0,0,1,2,

CUSTOPTIONS corresponds to options for a customer, both in the Options form as well as other places in Customer Maintenance.

Notes: GRPCODE and CLASSCODE can be automatically inserted into the database upon import if the appropriate options are turned on in the Standard Import Utility. If they are turned on, the utility will attempt to find the code in the database using the GRPCODE or CLASSCODE. If this fails, it will attempt to use the GRPCODEDESCR or CLASSCODEDESCR, but only if they are given. If this fails, the utility will automatically insert a new GRPCODE or CLASSCODE record in the database at import time. CONTID must be unique.

CONTID: CODE(12)

This must reference a valid customer.

STARTDATE: DATE: OPTIONAL

This item corresponds to the date the system was first started.

COMMSTATE: VALUE: OPTIONAL

This is the commission state and can be one of the following values: -1=New Customer/Pending, 0=Not Commissioned/Inactive, 1=Commissioned/Active, 2=Decommissioned/Deactivated.

PAGERMSG: LONGTEXT: OPTIONAL

This field contains the Default Script Message for the customer.

GRPCODE: CODE(5) : OPTIONAL

This field, if specified, can reference a valid Group Code or be added as a new Group Code if the proper import option is enabled. Group Codes can be found in Supervisor Workstation under Maintenance > Group Codes.

GRPCODEDESCR: STRING(35): OPTIONAL

This field, if specified, can reference a valid Group Code by description. It can also be the new Group Code description if GRPCODE is supplied and the proper import option is enabled to create Group Codes.

CLASSCODE: CODE(3) : OPTIONAL

This field, if specified, can reference a valid Class Code or be added as a new Class Code if the proper import option is enabled. Class Codes can be found in Supervisor Workstation under Maintenance > Class Codes.

CLASSCODEDESCR: STRING(35): OPTIONAL

This field, if specified, can reference a valid Class Code by description. It can also be the new Class Code description if CLASSCODE is supplied and the proper import option is enabled to create Class Codes.

MONGRP: VALUE: OPTIONAL

This is the Monitoring Group value to be applied to all alarms that are not already directed to a specific Monitoring Group. Monitoring Group '0' is the default and always allowed. Monitoring Groups can be found in Supervisor Workstation under Maintenance > Setup > Monitoring Groups.

CODE: VALUE: OPTIONAL

This is the delete or deactivation code – user defined.

REASON: STRING(50) : OPTIONAL

This is the delete or deactivation reason comment.

ULGRADE: CODE(12) : OPTIONAL

This specifies the UL Grade code. Default UL Grades can be found in Supervisor Workstation under Maintenance > Setup > Subtypes under the UL Grades section. Please note that the UL Grade information will not display in the client unless the UL Policy Licensed checkbox in the Country Options section found in Maintenance > Setup > Country Setup in Supervisor Workstation is checked.

ULRESPTIME: VALUE: OPTIONAL

This is the expected UL Response Time in minutes.

IGNOREABORT: YES/NO: OPTIONAL

AUTOCANC: YES/NO: OPTIONAL

GENUREST: YES/NO: OPTIONAL

SIGSUSR: YES/NO: OPTIONAL

AREAFILL: VALUE: OPTIONAL

This field determines what should happen if a signal is received having an area value that does not exist and must be one of the following values: 0=Ignore, 1=Add/Update Area if System on Test, 2=Add/Update Area Always, 3=Use First Area.

ZONEFILL: VALUE: OPTIONAL

This field determines what should happen if a signal is received having an zone value that does not exist and must be one of the following values: 0=Ignore, 1=Add/Update Area if System on Test, 2=Add/Update Area Always.

THREAT: VALUE: OPTIONAL

Current threat level for customer.

CUSTPW (1018)

This is the Passwords section of the Options Jump To item in Customer Maintenance

CONTID: CODE(12)

This must reference a valid customer.

DESCR: STRING(35)

PASSWD: CODE(25)

DURESS: YES/NO: OPTIONAL

CUSTSYS (1019)

An example CUSTSYS string is represented as follows:
// Custsys
1019,"SIUTEST0002",1,"System 1 for SIU test customer 0001",0,1,

This is the Systems form in Customer Maintenance. CONTID + SYSNO must be unique.

CONTID: CODE(12)

This must reference a valid customer.

SYSNO: VALUE

This field specifies the System Number of the desired system.

DESCR: STRING(35)

SYSTYPE: VALUE

This field specifies the type of system and must be one of the following values: 0 = Event Monitoring, 1 = Access Control, 2 = GPS, 3= Other.

MONTYPE: VALUE

This must reference a valid Monitoring Type with an Attribute of 'M' if SYSTPYE is 0, 'X' if SYSTPE is 1, 'G' if SYSTPYE is 2, or 'N' if SYSTPYE is 3 and be of the correct Subtype for the referenced customer. Monitoring Types can be found in Supervisor Workstation under Maintenance > Setup > Monitoring Types.

PANELTYPE: CODE(25): OPTIONAL

This must reference a valid Panel Type. This is only applicable if SYSTYPE is 0. Panel Types can be found in Supervisor Workstation under Maintenance > Control Panels.

CUSTUFLD (1020)

CONTID: CODE(12)

This must reference a valid customer. CONTID + CUSTFIELDNO must be unique.

CUSTFIELDNO: VALUE

This must reference a valid user defined field number (1-8). Customer User Defined fields are found in Supervisor Workstation under Tools > Options > Account Creation/Maintenance > Customer user defined fields. Open the Field Properties dialog to verify the field number.

VALUE: STRING(60): OPTIONAL

This is the data or value for the user defined field. Its format is determined by the field properties of the specific user defined field. The possible types are Numeric, Alpha (text), Upper Case (text), Date, Phone Number, Yes/No.

EVENTPRG (1021)

EVENTPRG corresponds to the Event Actions Programming section for a customer system, found in the Systems form as well as in the Programming item in the Systems tree.

CONTID: CODE(12)

This must reference a valid customer.

SYSNO: VALUE

This must reference a valid system for the referenced customer and qualifies when the supplied Actions code will be applied to alarm signals.

STCODE: CODE(8)

This must reference a valid Event Code. Event Codes are found in Supervisor Workstation under Maintenance > Events > Event Codes and qualifies when the supplied Actions code will be applied to alarm signals and may determine default values if not supplied here.

COMMSNO: CODE(4)

This must reference a valid transmitter for the referenced customer system or be "*" which means 'all' transmitters and qualifies when the supplied Actions code will be applied to alarm signals.

AREA: CODE(4): OPTIONAL

This field qualifies when the supplied Actions code will be applied to alarm signals. It must match the area of the signal or can be "*" which will match any area.

ZONE: CODE(5): OPTIONAL

This field qualifies when the supplied Actions code will be applied to alarm signals. It must match the zone of the signal or can be "*" which will match any zone or any partial match (e.g., "2*" which would match any zone that starts with a '2').

For GPS systems, this specifies the TRACKID for an Asset.

ALARM: VALUE: OPTIONAL

This field determines the behavior of the signal (whether it will be an alarm or not) when the signal matches this entry. The possible values are: 0=No (will not be an alarm – value assigned if not supplied), 1=Yes (will be an alarm), 2=Default (use alarm setting of the Event Code).

ACTIONMODE: VALUE

ACTIONS: CODE(8): OPTIONAL

This field specifies the action pattern code to execute for matching alarm signals. This is optional and if left empty, the default actions code of the Event Code will be used.

SIGINST: LONGTEXT: OPTIONAL

This is signal instruction text that will be presented to an alarm handling user for matching alarm signals.

GENSCHED (1022)

GENSCHED corresponds to an entity's General Schedules in entity maintenance. As with the ACTIONS, CONTLIST and CALLLIST, the GENSCHED record applies primarily to the basic general schedule identification; full details for a given GENSCHED will be defined in GENSCHED_D below. CONTTYPE + CONTID + TYPE + SCHEDNO must be unique.

CONTTYPE: VALUE: (0, 1, 2, 3, 4, 5, 100)

CONTID: CODE(12)

CONTTYPE + CONTID must reference a valid entity.

TYPE: VALUE

This field specifies the type of general schedule and must be one of the following: 0=Keyholder Availability, 1=Programming, 2=On Test, 5=Access Control, 6=Call List Availability. Type 1 and 5 are only acceptable for Customers. Type 2 is only acceptable for Agency, Branch and Dealer. Global Keyholders can only have Type 0.

SCHEDNO: CODE(4)

This specifies the schedule code.

DESCR: STRING(35)

This is the description of the schedule.

WEEKMOD: VALUE: OPTIONAL

This is the modulus number to apply to week number.

INTERVAL: VALUE: OPTIONAL

This is the interval in minutes for Exec Protection.

GENSCHED_D (1023)

GENSCHED_D corresponds to specific date and time information within a general schedule.

CONTTYPE: VALUE

CONTID: CODE(12)

CONTTYPE + CONTID must reference a valid entity.

TYPE: VALUE

SCHEDNO: CODE(4)

CONTTYPE + CONTID + TYPE + SCHEDNO must reference a valid General Schedule.

MON: YES/NO: OPTIONAL

TUE: YES/NO: OPTIONAL

WED: YES/NO: OPTIONAL

THU: YES/NO: OPTIONAL

FRI: YES/NO: OPTIONAL

SAT: YES/NO: OPTIONAL

SUN: YES/NO: OPTIONAL

TIMES1: TIME: OPTIONAL

All times are to be formatted as HH:mm (no seconds).

TIMEF1: TIME: OPTIONAL

TIMES2: TIME: OPTIONAL

TIMEF2: TIME: OPTIONAL

DATEFRM: DATE: OPTIONAL

If DATEFRM is specified, DATETO must also be supplied.

DATETO: DATE: OPTIONAL

If DATETO is specified, DATEFRM must also be supplied.

INSTCHG (1025)

INSTCHG is specific to dealers and corresponds with the Billing Charges in the Dealer Maintenance form. CONTTYPE + CONTID + TYPE + ITEMCODE must be unique.

CONTTYPE: VALUE

0 for Company-level charges, 2 for Installer-level charges.

CONTID: CODE(12)

If CONTTYPE is 2 (installer), CONTID must reference a valid dealer. Otherwise, this value should be empty.

TYPE: VALUE

This refers to the type of charge. 0 = Recurring, 1 = Add Charges, 2 = Signal Overages, 3 = Time Overages.

ITEMCODE: CODE(25)

ITEMCODE refers to either a valid CLASSCODE (limited to 3 characters) or BILLCODE (from Monitoring Type of each Monitoring Service) – see Dealer Billing system option found in Supervisor Workstation under Tools > Options > System > Dealer billing by monitoring service.

BILLCODE: CODE(25): OPTIONAL

RATE1: CODE(5): OPTIONAL

RATE2: CODE(5): OPTIONAL

QUAL1: VALUE: OPTIONAL

For Type of 0: Number of months in cycle (1, 3, 6, or 12)
For Type of 2: Signal Limit Count
For Type of 3: Pricing Unit (0 = Seconds, 1 = Minutes)

QUAL2: VALUE: OPTIONAL

For Type of 2: Alarm Limit Count
For Type of 3: Time Limit Count (Seconds)

QUAL3: VALUE: OPTIONAL

For Type of 2: Total Limit Count
For Type of 3: Time Increment (Seconds per incident, e.g. 15 second increments)

PRICE1: MONEY: OPTIONAL

For Type of 0: Price for active customers.
For Type of 1 or 3: Price for the add or time overages.

For Type of 2: If PRICE2 is not given, this is the total price to charge; otherwise, it is the price for signal overages.

PRICE2: MONEY: OPTIONAL

For Type of 0: Price for inactive customers.
For Type of 1 or 3: Ignored.
For Type of 2: Price for alarm overages.

INSTCP (1026)

INSTCP corresponds to the Control Panels in the Dealer Maintenance form. CONTID + PANELTYPE must be unique.

CONTID: CODE(12)

CONTID must reference a valid dealer.

PANELTYPE: CODE(25)

This must reference a valid Panel Type code. Control Panel information can be found in Supervisor Workstation under Maintenance > Control Panels.

REMTYPE: VALUE: OPTIONAL

This field refers to the Remote Reset type to be used for this control panel type, which is only available in the UK (Country 44) configurations.

SEED: CODE(8): OPTIONAL

This field refers to the Seed Code to be used with the supplied Remote Reset type, which is also only available in the UK (Country 44) configurations.

INSTEVPRG (1027)

INSTEVPRG corresponds to the Programming form in the Dealer Maintenance form. It is functionally identical to the EVENTPRG record, without Transmitter, Area and Zone information. CONTID + STCODE must be unique.

CONTID: CODE(12)

CONTID must reference a valid dealer.

STCODE: CODE(8)

This must reference a valid Event Code. Event Codes are found in Supervisor Workstation under Maintenance > Events > Event Codes and qualifies when the supplied Actions code will be applied to alarm signals and may determine default values if not supplied here.

ALARM: VALUE: OPTIONAL

This field determines the behavior of the signal (whether it will be an alarm or not) when the signal matches this entry. The possible values are: 0=No (will not be an alarm – value assigned if not supplied), 1=Yes (will be an alarm), 2=Default (use alarm setting of the Event Code).

ACTIONMODE: VALUE

ACTIONS: CODE(8): OPTIONAL

This field specifies the action pattern code to execute for matching alarm signals. This is optional and if left empty, the default actions code of the Event Code will be used.

SIGINST: LONGTEXT: OPTIONAL

This is signal instruction text that will be presented to an alarm handling user for matching alarm signals.

INSTIDRNG (1028)

This item corresponds to the TX ID Ranges Jump To item in Dealer Maintenance. As with INSTCHG, the fields listed are in order as they appear in the client from left to right. Range Full and Restart are not included. CONTID + RLDES + TXIDFRM must be unique.

CONTID: CODE(12)

CONTID must reference a valid dealer.

RLDES: CODE(5)

This must reference a valid Receiver Line Prefix. Receiver Line Prefix information can be found in Supervisor Workstation under Maintenance > Setup > Receivers, in the 'Rec Line Prefixes' section of the tree.

TXIDFRM: CODE(12)

This is the starting transmitter ID of the transmitter range being assigned to this dealer (inclusive). The length of TXIDFRM and TXIDTO should be the same (leading zeros do not count and will be removed) since the comparisons are alpha-numeric to allow for hexadecimal values. A range of 950 – 1050 would be invalid. This would need to be assigned in two ranges, 950 – 999 and 1000 – 1050.

TXIDTO: CODE(12)

This is the ending transmitter ID of the transmitter range (inclusive).

NEXTTXID: CODE(12): OPTIONAL

This is the next transmitter ID to be assigned from this transmitter range.

TXIDTYPE: VALUE: OPTIONAL

This is the transmitter numbering type. 0 = Unknown (this is also the default value), 1 = Decimal, 2 = Hexadecimal, 3 = Hexadecimal excluding A.

INSTRATE (1029)

CONTID + RATECODE must be unique.

CONTID: CODE(12)

CONTID must reference a valid dealer.

RATECODE: CODE(5)

DESCR: STRING(35): OPTIONAL

Description.

TYPE: VALUE: OPTIONAL

Count Type (0 = Dealer, 1= Customer)

INSTRATE_D (1030)

CONTID: CODE(12)

CONTID must reference a valid dealer.

RATECODE: CODE(5)

Rate Code.

MINQTY: VALUE: OPTIONAL

Minimum quantity required for this rate level.

BASEPRICE: MONEY: OPTIONAL

Base price for this rate level.

ADDLPRICE: MONEY: OPTIONAL

Additional price per unit above MinQty.

INSTTX (1031)

INSTTX is the Tx Types in the Dealer Maintenance form. CONTID + TXTYPE must be unique.

CONTID: CODE(12)

CONTID must reference a valid dealer.

TXTYPE: CODE(12)

This must reference a valid Transmitter Type. Transmitter Type information can be found in Operator Workstation under Maintenance > Transmitter Types.

MONSRV (1052)

MONSRV corresponds to the Services Jump To item in Customer Maintenance. Only monitoring types with an "other" attribute can be specified and must already exist in the

database (entered via Supervisor Workstation). The monitoring type *number* as stored in the database must be specified in the import data. Unfortunately, there is not a good way to obtain the number other than executing a SQL query to see the information in the database table. Executing the query select * from MONTYPE where ATTR = 'Z' will list the monitoring types that can be used when importing a service.

The MONLEVEL (see results of above query) of the MONTYPE must correspond to the information provided in the import data. The following MONLEVEL values expect the import data to be as listed:

MONLEVEL 0 (customer service) requires SYSNO = -1. Any COMMSNO or AREA provided will be ignored.

MONLEVEL 2 (sub-system service) requires a valid SYSNO and no COMMSNO or AREA.

MONLEVEL 3 (transmitter service) requires a valid SYSNO and COMMSNO. Any AREA provided will be ignored.

MONLEVEL 4 (area service) requires a valid SYSNO and AREA, and no COMMSNO.

In other words:

- If a customer-level service is being added, the specified MONTYPE must have a MONLEVEL of 0 and the SYSNO must be -1.
- If a sub-system-level service is being added, the specified MONTYPE must have a MONLEVEL of 2 and the SYSNO must be a valid system of the customer and COMMSNO and AREA must be blank.
- If a transmitter-level service is being added, the specified MONTYPE must have a MONLEVEL of 3 and the SYSNO must be a valid system of the customer and COMMSNO must be a valid transmitter of the customer.
- If an area-level service is being added, the specified MONTYPE must have a MONLEVEL of 4 and the SYSNO must be a valid system of the customer and AREA must be supplied and COMMSNO must be blank.

CONTID: CODE(12)

CONTID must reference a valid customer.

SYSNO: VALUE

This must be -1 for a customer-level service, or a valid system number of the customer.

COMMSNO: VALUE

This is only provided for a transmitter-level service and would have to be a valid transmitter of the customer.

AREA: CODE(4)

This is only provided for an area-level service and would have to be a valid area of the customer.

MONTYPE: VALUE

This is the *number* of the desired monitoring type (see above explanation) of the service being added. The MONLEVEL of the monitoring type must correspond to the SYSNO/COMMSNO/AREA being specified.

QUAL1: VALUE: OPTIONAL

Not used at this time and will be ignored.

QUAL2: STRING(12): OPTIONAL

Not used at this time and will be ignored.

CHARGE: YES/NO

This specifies whether or not the service is billable.

DATETOST: DATE: OPTIONAL

This specifies the start date of the service

DATETOTM: DATE: OPTIONAL

This specifies the end date of the service.

OC_SCHED (1032)

OC_SCHED corresponds to the O/C Schedules Jump To item in Customer Maintenance. As with CALLLIST and others, this item corresponds primarily with labels and identifiers for schedules. The bulk of actual schedule data is found in OC_SCHED_D. CONTID + SCHEDNO must be unique.

CONTID: CODE(12)

CONTID must reference a valid customer.

SCHEDNO: CODE(4)

This is the code or ID of this schedule.

DESCR: STRING(35)

WCODE: CODE(8): OPTIONAL

If supplied, this must reference a valid Window Code. Window Codes can be found in the Supervisor Workstation under Maintenance > Schedule Window Codes.

OC_SCHED_D (1033)

OC_SCHED_D corresponds to actual schedule definitions, such as dates and times. CONTID + SCHEDNO + TYPE + WINMONTH + WINDAY + WINMIN must be unique.

CONTID: CODE(12)

CONTID must reference a valid customer.

SCHEDNO: CODE(4)

CONTID + SCHEDNO must reference a valid Open/Close schedule for this customer.

TYPE: VALUE

This refers to the type of Open/Close schedule and must be one of the following values: 0=Permanent Schedule, 1=Alternate Schedule, 2=Global Holiday, 3=Customer Holiday, 4=Temporary Schedule. Global Holiday information can be found in Supervisor Workstation under Maintenance > Global Holidays.

WINMONTH: VALUE

This specifies the month (1-12) for holiday type schedules. For all schedule types, this value must be '0'.

WINDAY: VALUE

This specifies the day of the month for holiday type schedules and the day of the week for all other schedule types where 0=Monday and 6 = Sunday.

WINMIN: VALUE

This specifies the time of the day in minutes for the required status. 0 corresponds to 00:00 and 1439 (the maximum allowed value) corresponds to 23:59.

DATEFRM: DATE: OPTIONAL

This specifies the first date that this schedule entry will be active and is valid for schedule types 1 and 4 only. For schedule type 1 (Alternate), all detail lines must have the same DATEFRM and DATETO values. For schedule type 4 (Temporary), DATETO must equal DATEFRM.

STATUS: VALUE

This specifies the status for the window beginning or ending at the above specified time and must be one of the following values: 0=Must Open, 1=Must Close, 2=May Open, 3=May Close, 4=May Open/Close, 5=May Open/Close Once, 6=No Activity, 7=May Temp Open, 8=May Temp Open Once.

DATETO: DATE: OPTIONAL

This specifies the last date that this schedule entry will be active and is valid for schedule types 1 and 4 only. For schedule type 1 (Alternate), all detail lines must have the same DATEFRM and DATETO values. For schedule type 4 (Temporary), DATETO must equal DATEFRM.

PANELTYPE (1034)

PANELTYPE corresponds to the control panel types configured in Manitou. For examples, extant control panel information can be found in Supervisor Workstation under Maintenance > Control Panels. PANELTYPE must be unique.

PANELTYPE: CODE(25)

This is the Panel Type code.

DESCR: STRING(35)

This is the Panel Type description.

DEFTXTYPE: CODE(35): OPTIONAL

This is the default Transmitter Type to be used when adding transmitters for a customer system with this Panel Type. Transmitter Type information can be found in Operator Workstation under Maintenance > Transmitter Types.

REMTYPE: VALUE: OPTIONAL

This is the default Remote Reset type, which is only available in the UK (Country 44) configurations.

MAXAREAS: VALUE: OPTIONAL

This specifies the maximum number of areas that will be allowed for a customer system with this Panel Type. A value of -1 means that there is no limit.

MAXZONES: VALUE: OPTIONAL

This specifies the maximum number of zones that will be allowed for a customer system with this Panel Type. A value of -1 means that there is no limit.

MAXTX: VALUE: OPTIONAL

This specifies the maximum number of transmitters that will be allowed for a customer system with this Panel Type. A value of -1 means that there is no limit.

MAXUSRS: VALUE: OPTIONAL

This specifies the maximum number of Open/Close user ID's that will be allowed for a customer system with this Panel Type. A value of -1 means that there is no limit.

HELP: LONGTEXT: OPTIONAL

This is text that will be presented to the user on the customer system maintenance form when this Panel Type is selected.

PERMIT (1035)

PERMIT corresponds to the Permits form in Customer Maintenance. CONTID + AUTHTYPE + PERMTYPE must be unique.

CONTID: CODE(12)

CONTID must reference a valid customer.

AUTHTYPE: VALUE

This is the Authority subtype and must be one of the following: 0=Police, 1=Fire, 2=Medical.

PERMTYPE: VALUE

This must reference a valid Permit Type. Permit Types can be found in Supervisor Workstation under Maintenance > Permit Types and are defined by country.

PERMIT: CODE(15)

PERMSTAT: VALUE: OPTIONAL

This specifies the Permit Status and must be one of the following values: 0=Unknown, 1=Level 1 (Authority will attempt to respond – normal), 2=Level 2 (Authority may respond), 3=Level 3 (no response).

PERMSTATDATE: DATE: OPTIONAL

This specifies the date at which the above status went into effect.

EXPDATE: DATE: OPTIONAL

This specifies the date at which the permit will expire.

REMINDER (1037)

REMINDER corresponds to the Reminder section of a customer system.

CONTID: CODE(12)

CONTID must reference a valid customer.

SYSNO: VALUE

CONTID + SYSNO must reference a valid customer system.

STCODE: CODE(8)

This specifies a standard alarm code.

DESCR: STRING(35): OPTIONAL

This specified a description for the reminder.

QUAL1: CODE(4) : OPTIONAL

This specifies an Area for Event Monitoring systems and should be Null for other system types.

QUAL2: CODE(5) : OPTIONAL

This specifies a Zone for Event Monitoring systems, an Asset for GPS systems, and should be Null for other system types.

POINTID: STRING(50) : OPTIONAL

This specifies the Point ID description from location.

SCHEDNO: CODE(4) : OPTIONAL

This specifies a general schedule number. It must be of type 7 (Reminder Schedule).

RANDOMIZE: YES/NO: OPTIONAL

This specifies if reminder randomization is active, enabling the STARTMINUS, INTVLMINUS, INTVLPLUS, and ENDPLUS fields.

STARTMINUS: VALUE: OPTIONAL

This specifies the number of minutes preceding the beginning of the schedule window where the first reminder may occur.

INTVLMINUS: VALUE: OPTIONAL

This specifies the number of minutes preceding the next reminder within a schedule window where the reminder may occur.

INTVLPLUS: VALUE: OPTIONAL

This specifies the number of minutes past the next reminder within a schedule window where the reminder may occur.

ENDPLUS: VALUE: OPTIONAL

This specifies the number of minutes past the end of a schedule window where the last reminder may occur.

REMUNIT: VALUE

This specifies the interval unit (0 = Minutes, 1 = Hours, 2 = Days).

REMINTVL: VALUE

This specifies the interval value.

REMCNT: VALUE: OPTIONAL

This specifies the number of occurrences (mutually exclusive of SCHEDNO)

REMTYPE: VALUE: OPTIONAL

This specifies the type of reminder (0 = Create Signal, 1 = Create Maintenance Issue).

NEXTBASE: DATETIME

This specifies the next reminder will occur (UTC). Does not take randomization variables into account.

DATETOTM: DATETIME: OPTIONAL

This specifies the termination date for the service.

AUTOPURGE: YES/NO: OPTIONAL

This specifies whether to automatically purge reminders once they are expired.

HELP: LONGTEXT: OPTIONAL

This specifies help text about the reminder.

SAREA (1038)

An example SAREA string is represented as follows:
// Sarea
1038,"SIUTEST0002",1,"2","",,,"Area 2 on System 1-0123456789012345"

SAREA corresponds to the Area section of a customer system. CONTID + SYSNO + AREA must be unique.

CONTID: CODE(12)

CONTID must reference a valid customer.

SYSNO: VALUE

CONTID + SYSNO must reference a valid customer system.

AREA: CODE(4)

This specifies the number or identifier of the area.

SCHEDNO: CODE(4): OPTIONAL

If specified, this must reference a valid Open/Close schedule for this customer, or else represent the "All" option by specifying four asterisks ("****").

OCTYPE: VALUE: OPTIONAL

Qualifier for the Open/Close Schedule monitoring service; 0 = Monitor, 1 = Record

MANVERTYPE: VALUE: OPTIONAL

Qualifier for the Open/Close Manual Verify monitoring service; 0 = Both, 1 = Open, 2 = Close

DESCR: STRING(35)

This is the description for the area.

SASSET (1039)

SASSET corresponds to the Asset section of a customer system. CONTID + SYSNO + TRACKID must be unique.

CONTID: CODE(12)

CONTID must reference a valid customer.

SYSNO: VALUE

CONTID + SYSNO must reference a valid customer system.

TRACKID: CODE(5)

This specifies the number or identifier of the Asset.

DESCR: STRING(35): OPTIONAL

This is the description for the Asset.

REFCONTTYPE: VALUE: OPTIONAL

This specifies the type of contact in the customer's contact list that represents the Asset to be tracked.

REFCONTID: CODE(12) : OPTIONAL

This specifies the ID of the contact in the customer's contact list that represents the Asset to be tracked.

PERSONNAME: STRING(50) : OPTIONAL

This, along with PERSONREFID, specifies the person in the customer's contact list that represents the Asset to be tracked. This field is mutually exclusive of REFCONTID. REFCONTTYPE must be 100 (Person) if PERSONNAME/PERSONREFID is used.

PERSONREFID: STRING(50) : OPTIONAL

This, along with PERSONNAME, specifies the person in the customer's contact list that represents the Asset to be tracked. This field is mutually exclusive of REFCONTID. REFCONTTYPE must be 100 (Person) if PERSONNAME/PERSONREFID is used.

SCHEDNO: CODE(4) : OPTIONAL

This specifies the schedule to use. It must be of type 4 (Check-In Schedule).

INTERVAL: VALUE

This specifies the interval, in minutes, for check in.

STATUS: VALUE

This specifies the last tracking status (0 = Stopped, 1 = Late to Start, 2 = Late to Check In, 3 = Current).

LASTLOC: STRING(80) : OPTIONAL

This specifies the last location received as GPS coordinates.

NXTCHKST: DATETIME: OPTIONAL

This specifies the next check window start.

NXTCHKLATE: DATETIME: OPTIONAL

This specifies the next check window late.

CURCYCLEND: DATETIME: OPTIONAL

This specifies the current cycle end.

NXTCYCLST: DATETIME: OPTIONAL

This specifies the next cycle window start.

NXTCYCLLATE: DATETIME: OPTIONAL

This specifies the next cycle window late.

NXTCYCLEND: DATETIME: OPTIONAL

This specifies the next cycle end.

ADHOC: YES/NO: OPTIONAL

This specifies if *ad hoc* check-ins are allowed.

STX (1040)

An example STX string is represented as follows:
// Stx
1040,"SIUTEST0002",1,"Transmitter 1 for SIU test
customer","99","123456789",1,"DFLT",2,15,"9995551234","9995554321",,,,,,0,1,0,0,0,0,0,"
","","","These are notes about this transmitter.",0

STX corresponds to the Transmitters section of a customer system. CONTID + COMMSNO must be unique.

CONTID: CODE(12)

CONTID must reference a valid customer.

COMMSNO: VALUE

This is the transmitter number.

DESCR: STRING(35): OPTIONAL

This is the description of the transmitter.

RLDES: CODE(5)

This must reference a valid Receiver Line Prefix. Receiver Line Prefix information can be found in Supervisor Workstation under Maintenance > Setup > Receivers, in the 'Rec Line Prefixes' section of the tree.

TXID: CODE(128)

This specifies the ID of the transmitter. RLDES + TXID must be unique throughout all of Manitou.

SYSNO: VALUE

This must reference a valid system for the specified customer.

TXTYPE: CODE(12)

This must reference a valid Transmitter Type. Transmitter Type information can be found in Operator Workstation under Maintenance > Transmitter Types.

TESTUNIT: VALUE

This specifies the transmitter test unit for this transmitter and must be one of the following values: 0=minutes, 1=hours, 2=days.

TESTINTVL: VALUE: OPTIONAL

This specifies the transmitter test interval for this transmitter. A value of 0 means that this transmitter will not be sending a 'test' signal.

REF1: CODE(20) : OPTIONAL

This specifies the Caller-Id (phone number) of this transmitter.

REF2: CODE(20) : OPTIONAL

This specifies the secondary Caller-Id (phone number) of this transmitter.

PATHENBLDATE: DATE : OPTIONAL

This is the communications path enabled date.

CONNECTDATE: DATE : OPTIONAL

This is the date that the transmitter was connected.

TERMDATE: DATE : OPTIONAL

This is the date that the transmitter was disconnected.

NETADDR: CODE(50) : OPTIONAL

This is the transmitter's network address.

ATTR: CODE(10) : OPTIONAL

This specifies various attributes of the transmitter and may contain any combination of the following characters: A=Audio Capable, V=Video Capable, M=Mobile Device, L=Late-to-test only when closed, N=Monitored transmission path, X=VertX Access Control device (this applies only to Access Control systems).

PROTTYPE: CODE(8) : OPTIONAL: Must reference a valid TXPROTFMT

If supplied, this must reference a valid Transmitter Protocol Type. Transmitter Protocol Type information can be found in Supervisor Workstation under Maintenance > Setup > Transmitter Protocol Types.

RESTODUE: YES/NO: OPTIONAL

This specifies whether unrestored alarms from this transmitter will raise a 'Restore Overdue' alarm if not restored in the allotted time.

ANYTEST: YES/NO: OPTIONAL

This specifies whether any signal from this transmitter will satisfy the 'test' signal requirements.

EXTENDED: YES/NO: OPTIONAL

This is an information only field that indicates whether this transmitter sends signals in extended format.

INSTDEF: YES/NO: OPTIONAL

This specifies whether Dealer Programming will be examined or ignored. A 'Yes' value will cause signals from this transmitter to ignore any dealer specific event programming.

RAWPRG: YES/NO: OPTIONAL

This specifies whether 'raw' programming will be allowed for this transmitter from Transmitter Programming maintenance.

REGACT: YES/NO: OPTIONAL

This specifies whether regular ("frequent") signal activity is expected from this transmitter. This indicator can be used in reporting.

BCKUP: YES/NO: OPTIONAL

This specifies whether this is a backup transmitter.

AREAOFFS: CODE(4) : OPTIONAL

This specifies the offset to be applied to the Area portion of all signals from this transmitter.

ZONEOFFS: CODE(5) : OPTIONAL

This specifies the offset to be applied to the Zone portion of all signals from this transmitter.

SENSOROFFS: CODE(12) : OPTIONAL

This specifies the offset to be applied to the Sensor portion of all signals from this transmitter.

NOTES: LONGTEXT: OPTIONAL

This specifies the notes or comments associated with this transmitter and are available for viewing on an alarm screen.

MONTHREAT: YES/NO: OPTIONAL

Monitors threat level changes (one YES per customer)

STXLINK (1041)

STXLINK corresponds to the Transmitter Linking item in the Systems form.

Notes: Key is not unique. SUBACC must be NULL if the CONTID refers to a Customer that is not a MAIN account. If SUBACC is NULL, then SYSNO, OAREA, and OZONE refer to the Customer referred to be CONTID. The SYSNO can only refer to an even monitoring system.

CONTID: CODE(12)

CONTID must reference a valid customer.

COMMSNO: VALUE

Must reference a valid STX. This must reference a valid transmitter number for this customer.

AREA: CODE(4)

This is the Area of signals to match for linking. A value of "*" is allowed which indicates any area.

ZONE: CODE(5)

This is the Zone of signals to match for linking. A value of "*" is allowed which indicates any zone.

EVCAT: CODE(8): OPTIONAL

If supplied this must reference a valid Event Category.

SUBACC: CODE(12): OPTIONAL

Must reference a valid CUSTOMER. If this customer is a main customer (has sub-accounts), then the sub-account's Contact ID can be specified here to redirect matching signal to this sub-account. If supplied, this must reference a sub-account of this customer.

SYSNO: VALUE

This must reference a valid system of this customer or sub-account if SUBACC supplied above.

OAREA: CODE(4)

This is the Area value that will be applied to matching signals. A value of "=" is allowed which indicates that the signal's area value should be left unchanged.

OZONE: CODE(5)

This is the Zone value that will be applied to matching signals. A value of "=" is allowed which indicates that the signal's zone value should be left unchanged.

STXPRG (1042)

STXPRG Transmitter Programming section of a customer system, found in the Systems form of Customer Maintenance.

CONTID: CODE(12)

CONTID must reference a valid customer.

SYSNO: VALUE

This must reference a valid system for the specified customer.

COMMSNO: CODE(4)

This must reference a valid transmitter number for this customer. A value of "*" is allowed to indicate any transmitter of this system.

DES: CODE(9)

This specifies the designation or original event code of the signal to be programmed. If 'raw programming' is enabled for this transmitter, '#' plus the pre-mapped event designation of the signal is allowed.

DESCR: STRING(20): OPTIONAL

This specifies the Description that will be shown for matching signals. If this field is left blank, the event description from the Event Code specified below will be used.

AREA: CODE(4): OPTIONAL

This specifies the Area value to be used to match signals. A value of "*" is allowed to indicate any area.

ZONE: CODE(5): OPTIONAL

This specifies the Zone value to be used to match signals. The '*' wildcard indicator is allowed as the last character of the zone value. For example, "*" and "3*" are allowed.

For GPS systems this specifies the TRACKID for an Asset.

SENSOR: CODE(12): OPTIONAL

This specifies the Sensor value to be used to match signals. A value of "*" is allowed to indicate any sensor.

OAREA: CODE(4): OPTIONAL

This specifies the Area value that the matching signal will be assigned. A value of "=" is allowed which indicates that the signal's area value should be left unchanged.

OZONE: CODE(5): OPTIONAL

This specifies the Zone value that the matching signal will be assigned. The '=' replacement indicator is allowed which be replaced with any wild carded characters of the ZONE field. For example, if ZONE was "3*" OZONE was "57=", and the signal's zone was "31", the signal's zone will be assigned a value of "571".

OSENSOR: CODE(12): OPTIONAL

This specifies the Sensor value that the matching signal will be assigned. A value of "=" is allowed which indicates that the signal's sensor value should be left unchanged.

STCODE: CODE(8)

This specifies the Event Code that matching signals will be assigned. Event Codes can be found in Supervisor Workstation under Maintenance > Events > Event Codes.

POINTID: STRING(50): OPTIONAL

This specifies the Point ID description to be assigned to matching signals.

PROCESS: STRING(128): OPTIONAL

This specifies the Processing Commands to be applied to matching signals. Please note that this must match the proper command syntax.

HELP: LONGTEXT: OPTIONAL

This specifies the 'help' instructions to be assigned to matching signals. This help text is available on the alarm screen.

SZONES (1043)

SZONES are located in the Zones section of a customer system. The fields listed correspond to the layout of the Zones form as read from left to right. CONTID + SYSNO + AREA + ZONE must be unique.

CONTID: CODE(12)

CONTID must reference a valid customer.

SYSNO: VALUE

CONTID + SYSNO must reference a valid customer system.

AREA: CODE(4)

This specifies the number or identifier of the area. CONTID + SYSNO + AREA must reference a valid customer area. A value of "*" is allowed to indicate any area of this system.

ZONE: CODE(5)

This specifies the number or identifier of the zone.

DESCR: STRING(3550

This is the description of the zone.

EVCAT: CODE(8): OPTIONAL

If supplied, this must reference a valid Event Category. The field should only be used if the option to redirect by event codes for non-intelligent panels is set. This option can be found in Supervisor Workstation under Tools > Options > Signal Processing > Redirect event codes for non-intelligent panels. Event Category information can be found in Supervisor Workstation under Maintenance > Events > Event Categories.

TXEVENTPRG (1044)

TXEVENTPRG corresponds to the bottom portion of the Event Programming tab for a transmitter, and is largely identical to the Event Action Programming on customer systems (the EVENTPRG record), only applied at the Transmitter level.

Note: Key is not unique.

TXTYPE: CODE(12)

This must reference a valid Transmitter Type. Transmitter Type information can be found in Operator Workstation under Maintenance > Transmitter Types.

STCODE: CODE(8)

This specifies the Event Code that matching signals will be assigned. Event Codes can be found in Supervisor Workstation under Maintenance > Events > Event Codes.

AREA: CODE(4): OPTIONAL

This field qualifies when the supplied Actions code will be applied to alarm signals. It must match the area of the signal or can be "*" which will match any area.

ZONE: CODE(5): OPTIONAL

This field qualifies when the supplied Actions code will be applied to alarm signals. It must match the zone of the signal or can be "*" which will match any zone or any partial match (e.g., "2*" which would match any zone that starts with a '2').

For GPS systems, this specifies the TRACKID for an Asset.

ALARM: VALUE: OPTIONAL

This field determines the behavior of the signal (whether it will be an alarm or not) when the signal matches this entry. The possible values are: 0=No (will not be an alarm – value assigned if not supplied), 1=Yes (will be an alarm), 2=Default (use alarm setting of the Event Code).

ACTIONMODE: VALUE

ACTIONS: CODE(8): OPTIONAL

This field specifies the action pattern code to execute for matching alarm signals. This is optional and if left empty, the default actions code of the Event Code will be used.

SIGINST: LONGTEXT: OPTIONAL

This is signal instruction text that will be presented to an alarm handling user for matching alarm signals.

THREAT: VALUE: OPTIONAL

Threat level (-1=any)

TXTYPE (1045)

TXTYPE corresponds with the transmitter types set up in Operator Workstation under Maintenance > Transmitter Types. TXTYPE must be unique.

TXTYPE: CODE(12)

This specifies the transmitter type code and must be unique.

DESCR: STRING(35): OPTIONAL

This is the description for the transmitter type.

SYSTYPE: VALUE

This specifies the type of transmitter and must be one of the following values: 0=Event Monitoring, 1=Access Control, 2=GPS.

PROTOCOL: VALUE: OPTIONAL

If supplied, this must reference a valid Reverse Command Protocol. Reverse Command Protocol information can be found in Supervisor Workstation under Maintenance > Setup > Subtypes, in the Reverse Command Types section.

PROTTYPE: CODE(8): OPTIONAL

If supplied, this must reference a valid Protocol Type. Protocol information can be found in Supervisor Workstation under Maintenance > Setup > Transmitter Protocol Types.

ATTR: CODE(8): OPTIONAL

This specifies various default attributes that will be applied to a transmitter when this transmitter type is selected and may contain any combination of the following

characters: A=Audio Capable, V=Video Capable, L=Late-to-test only when closed, N=Monitored transmission path.

AUDIOTYPE: CODE(8): OPTIONAL: Must reference a valid AUDIO

If supplied, this must reference a valid Audio Type and ATTR above must contain an 'A'. Audio Type information can be found in Supervisor Workstation under Maintenance > Setup > Audio Types.

VIDEOTYPE: CODE(8): OPTIONAL: Must reference a valid VIDEO

If supplied, this must reference a valid Video Type and ATTR above must contain a 'V'. Video Type information can be seen from the Operator Workstation in the drop-down list of Video Types on the Transmitter Types maintenance form.

RAWPRG: YES/NO

This specifies whether 'raw' programming will be allowed for this transmitter type from Transmitter Type > Programming tab maintenance.

TXTYPEPRG (1046)

TXTYPEPRG corresponds to the top portion of the Event Programming tab for a transmitter. As with TXEVENTPRG, this is largely identical to the Transmitter Programming in customer accounts (the STXPRG record), only applied at the transmitter level.

TXTYPE: CODE(12)

This must reference a valid Transmitter Type. Transmitter Type information can be found in Operator Workstation under Maintenance > Transmitter Types.

DES: CODE(9)

This specifies the designation or original event code of the signal to be programmed. If 'raw programming' is enabled for this transmitter, '#' plus the pre-mapped event designation of the signal is allowed.

DESCR: STRING(20): OPTIONAL

This specifies the Description that will be shown for matching signals. If this field is left blank, the event description from the Event Code specified below will be used.

AREA: CODE(4): OPTIONAL

This specifies the Area value to be used to match signals. A value of "*" is allowed to indicate any area.

ZONE: CODE(5): OPTIONAL

This specifies the Zone value to be used to match signals. The '*' wildcard indicator is allowed as the last character of the zone value. For example, "*" and "3*" are allowed.

For GPS systems, this specifies the TRACKID for an Asset.

SENSOR: CODE(12): OPTIONAL

This specifies the Sensor value to be used to match signals. A value of "*" is allowed to indicate any sensor.

OAREA: CODE(4): OPTIONAL

This specifies the Area value that the matching signal will be assigned. A value of "=" is allowed which indicates that the signal's area value should be left unchanged.

OZONE: CODE(5): OPTIONAL

This specifies the Zone value that the matching signal will be assigned. The '=' replacement indicator is allowed which be replaced with any wild carded characters of the ZONE field. For example, if ZONE was "3*" OZONE was "57=", and the signal's zone was "31", the signal's zone will be assigned a value of "571".

OSENSOR: CODE(12): OPTIONAL

This specifies the Sensor value that the matching signal will be assigned. A value of "=" is allowed which indicates that the signal's sensor value should be left unchanged.

STCODE: CODE(8)

Must reference a valid EVENTDEF. This specifies the Event Code that matching signals will be assigned. Event Codes can be found in Supervisor Workstation under Maintenance > Events > Event Codes.

POINTID: CODE(50): OPTIONAL

This specifies the Point ID description to be assigned to matching signals.

PROCESS: STRING(128): OPTIONAL

This specifies the Processing Commands to be applied to matching signals. Please note that this must match the proper command syntax.

HELP: LONGTEXT: OPTIONAL

This specifies the 'help' instructions to be assigned to matching signals. This help text is available on the alarm screen.

THREAT (1047)

THREAT corresponds the threat form in Supervisor Workstation. THREATID must be unique

THREATID: VALUE

DESCR: STRING(35): OPTIONAL

COLOR: VALUE: OPTIONAL

ICONINDEX: VALUE: OPTIONAL

CLOG (1011)

Notes: Key is not unique. Each EVTYPE dictates which fields will be used and the semantics of each. (See the guide below.) Remember that, when using import files, CLOG records are inserted in the order you provide them in the file; therefore, be sure to begin with the oldest records first.

Standard Import will create the appropriate CLOG table in the Manitou database for you if one does not already exist for the LOGDATE specified in the data row.

CONTID: CODE(12)

CONTID must reference a valid customer.

***ORDERSEQ*:** VALUE: OPTIONAL: *CID ONLY*

This optional value is used to order the CLOG rows when they are coming from the CID. Because CLOG rows must be in a specific order (i.e. a summary row followed

by all its details), ORDERSEQ is provided to allow explicit ordering. This value is not valid when using import files.

LOGDATE: DATETIME

This is the date/time of the event or action in UTC time.

EVTYPE: VALUE

This refers to the event type and must be of of the following values: 0,1,2,3,4,6,9,14,15,16,26,27,28,29,32,36,37,40,41. See examples below.

DETAIL: YES/NO: OPTIONAL

This indicates whether this line is a detail line or not. Detail lines will be added to the previous Summary line. The first line of activity cannot be a detail line. The default setting is 'No'.

STRING1: STRING(50) : OPTIONAL

STRING2: STRING(80) : OPTIONAL

STRING3: CODE(8) : OPTIONAL

STRING4: CODE(8) : OPTIONAL

STRING5: STRING(20) : OPTIONAL

STRING6: CODE(8) : OPTIONAL

STRING7: CODE(12) : OPTIONAL

SMALLINT1: VALUE : OPTIONAL

STRING8: CODE(4) : OPTIONAL

STRING9: CODE(5) : OPTIONAL

STRING10: CODE(5) : OPTIONAL

SMALLINT2: VALUE: OPTIONAL

SMALLINT3: VALUE: OPTIONAL

STRING11: CODE(8) : OPTIONAL

STRING12: CODE(8) : OPTIONAL

DATETIME1: DATETIME: OPTIONAL

DATETIME2: DATETIME: OPTIONAL

STRING13: CODE(4) : OPTIONAL

SMALLINT4: VALUE: OPTIONAL

SMALLINT5: VALUE: OPTIONAL

INTEGER1: VALUE: OPTIONAL

INTEGER2: VALUE: OPTIONAL

STRING14: STRING(512) : OPTIONAL

The following guide shows all possible fields for each EVTYPE:

EVTYPE = 0: Signal and
EVTYPE = 9: Ignored Signal

STRING1: "POINTID": OPTIONAL
STRING2: "EVSTRING": OPTIONAL
STRING3: "STCODE"
STRING4: "EVCAT"
STRING5: "EVENTNAME"
STRING6: "RLDES": OPTIONAL
STRING7: "TXID": OPTIONAL
SMALLINT1: "SYSNO": OPTIONAL
STRING8: "AREA": OPTIONAL
STRING9: "ZONE": OPTIONAL
STRING10: "SECTOR": OPTIONAL

EVTYPE = 1: Alarm

STRING1: "POINTID": OPTIONAL
STRING2: "EVSTRING": OPTIONAL
STRING3: "STCODE"
STRING4: "EVCAT"
STRING5: "EVENTNAME"
STRING6: "RLDES": OPTIONAL
STRING7: "TXID": OPTIONAL

SMALLINT1: “SYSNO”: OPTIONAL
STRING8: “AREA”: OPTIONAL
STRING9: “ZONE”: OPTIONAL
STRING10: “SECTOR”: OPTIONAL
SMALLINT2: “TYPE”: (0=False Alarm, 1=Genuine Alarm)
SMALLINT3: “CLOSESTATUS”: (0=Normal, 1=Customer Cancel, 2=Operator Force Close, 4=Bulk Force Close, 8=Storm Mode)
STRING11: “CONTACTED”: OPTIONAL: C=Customer site, K=Keyholder, P=Police, F=Fire, M=Medical, A=Agency, D=Dealer, B=Branch
STRING 12: “FACHRS”: OPTIONAL: Alarm Resolution code
DATETIME1: “GSECTIME”: Date/Time alarm was closed (UTC)

EVTYPE = 2: Handled

SMALLINT1: “PRIORITY”
INTEGER1: “RESPONSESECS”

EVTYPE = 3: Action

SMALLINT1: “ACTIONTYPE”
ACTIONTYPE = 1: Contact
STRING2: “FULLNAME”
STRING7: “CONTID”: OPTIONAL
SMALLINT2: “CONTTYPE”
SMALLINT3: “RESULTCODE”: (-1=Dialed, 0=Unknown, 1=Contacted, 2=Busy, 3=Not In, 4=Error, 5=Left Message, 6=No Answer, 7=Abort Contact Attempt, 8=Wont’ Respond)
ACTIONTYPE = 7: Suspend
SMALLINT2: “TIME”
INTEGER1: “UNITS”: (1=Seconds, 2=Minutes, 3=Hours)
ACTIONTYPE = 11: Report
STRING1: “CONTPOINT”
STRING2: “FULLNAME”
SMALLINT2: “CPTYPE”: OPTIONAL
ACTIONTYPE = 12: Close
STRING2: “COMMENT”: OPTIONAL
STRING5: “FACHRS”: OPTIONAL
SMALLINT2: “CLOSETYPE”: (0=Normal, 1=Customer Cancel, 2=Operator Force Close, 4=Bulk Force Close, 8=Storm Mode)
ACTIONTYPE = 13: Cancel
(No additional fields necessary.)
ACTIONTYPE = 18: Defer
(No additional fields necessary.)
ACTIONTYPE = 19: Ignore

STRING2: “COMMAND”: OPTIONAL

EVTYPE = 4: Response Time

SMALLINT1: “RESPONSECAT”: (-1=No Category, 0=Fast Life, 1=Medium Life, 2=Slow Life, 3=Fast Other, 4=Medium Other, 5=Slow Other)
SMALLINT2: “PRIORITY”
INTEGER1: “VIEWED”
INTEGER2: “VIEWEDTOACTION”

EVTYPE = 6: Alarm Confirmation

(No additional fields necessary.)

EVTYPE = 14: Temporary On Test

STRING1: “COMMENT”: OPTIONAL
STRING3: “STCODE”: OPTIONAL
STRING4: “EVCAT”: OPTIONAL
STRING7: “TICKETNO”: OPTIONAL
SMALLINT1: “SYSNO”: OPTIONAL
STRING8: “AREA”: OPTIONAL
STRING9: “ZONE”: OPTIONAL
SMALLINT2: “TYPE”
DATETIME1: “GSRVSTART”: Date/time On Test period started (UTC)
DATETIME2: “GSRVEND”: Date/time of On Test period expiration (UTC)
STRING13: “COMMSNO”: OPTIONAL
INTEGER1: “OUTOFSERVICEID”: OPTIONAL
STRING14: “LIST”: OPTIONAL

EVTYPE = 15: Permanent On Test

STRING1: “COMMENT”: OPTIONAL
STRING3: “STCODE”: OPTIONAL
STRING4: “EVCAT”: OPTIONAL
STRING7: “TICKETNO”: OPTIONAL
SMALLINT1: “SYSNO”: OPTIONAL
STRING8: “AREA”: OPTIONAL
STRING9: “ZONE”: OPTIONAL
SMALLINT2: “TYPE”
DATETIME1: “GSRVSTART”: Date/time On Test period started (UTC)
STRING13: “COMMSNO”: OPTIONAL

EVTYPE = 16: Service Full (On Test cancelled)

(No additional fields necessary.)

EVTYPE = 26: Contact Password Verified

STRING1: “PASSWORD”
STRING2: “FULLNAME”
SMALLINT1: “VERIFIED”: (0=False, 1=True)

EVTYPE = 27: Police Name/ID and Ref/Incident Number

STRING2: “COMMENT”: OPTIONAL

EVTYPE = 28: Fire Name/ID and Ref/Incident Number

STRING2: “COMMENT”: OPTIONAL

EVTYPE = 29: Comment

STRING2: “COMMENT”

EVTYPE = 32: Resolution

STRING3: “FACHARS”
SMALLINT1: “ALMCOND”: (0=False Alarm, 1=Genuine Alarm)

EVTYPE = 36: Called-In (Contact Called Back)

STRING2: “FULLNAME”
SMALLINT1: “CONTTYPE”
SMALLINT2: “NOTIFYTYPE”: (0=Notify, 1=On-location, 2=Cleared)

EVTYPE = 37: Medical Name/ID Number and Ref/Incident Number

STRING2: “COMMENT”: OPTIONAL

EVTYPE = 40: Pre-Cancel

STRING1: “FULLNAME”
STRING2: “COMMENT”: OPTIONAL
STRING3: “ORIGIN”
STRING4: “FACHRS”: OPTIONAL
STRING5: “CALLBACKNO”: OPTIONAL
SMALLINT1: “CONTTYPE”
SMALLINT2: “ISVALID”: (0=False, 1=True)

EVTYPE = 41: Agency Ref/Name

STRING2: “REFNAME”
STRING7: “REFID”
SMALLINT1: “CONTMETHOD”: (0=Unknown, 1=Radio, 2=Phone)
SMALLINT2: “KEYUSED”: (0=False, 1=True)
DATETIME1: “ARRIVALTIME” (UTC)
INTEGER1: “RESPMIN”

EVTYPE = 45: Workflow Text

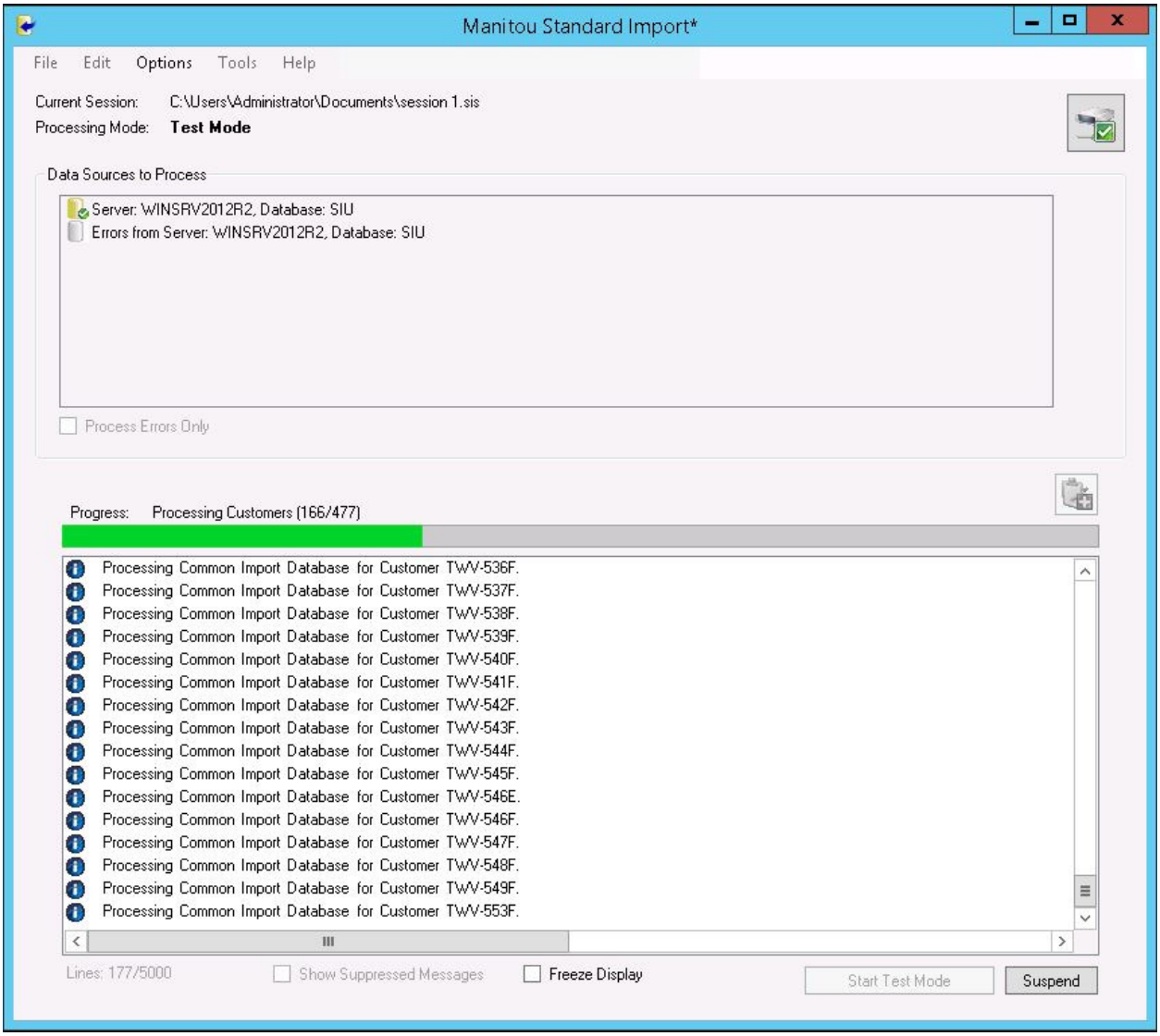
STRING2: “WORKFLOW_TEXT”: OPTIONAL

RUNNING STANDARD IMPORT UTILITY

Once you have configured the data files properly, you can run Standard Import Utility.

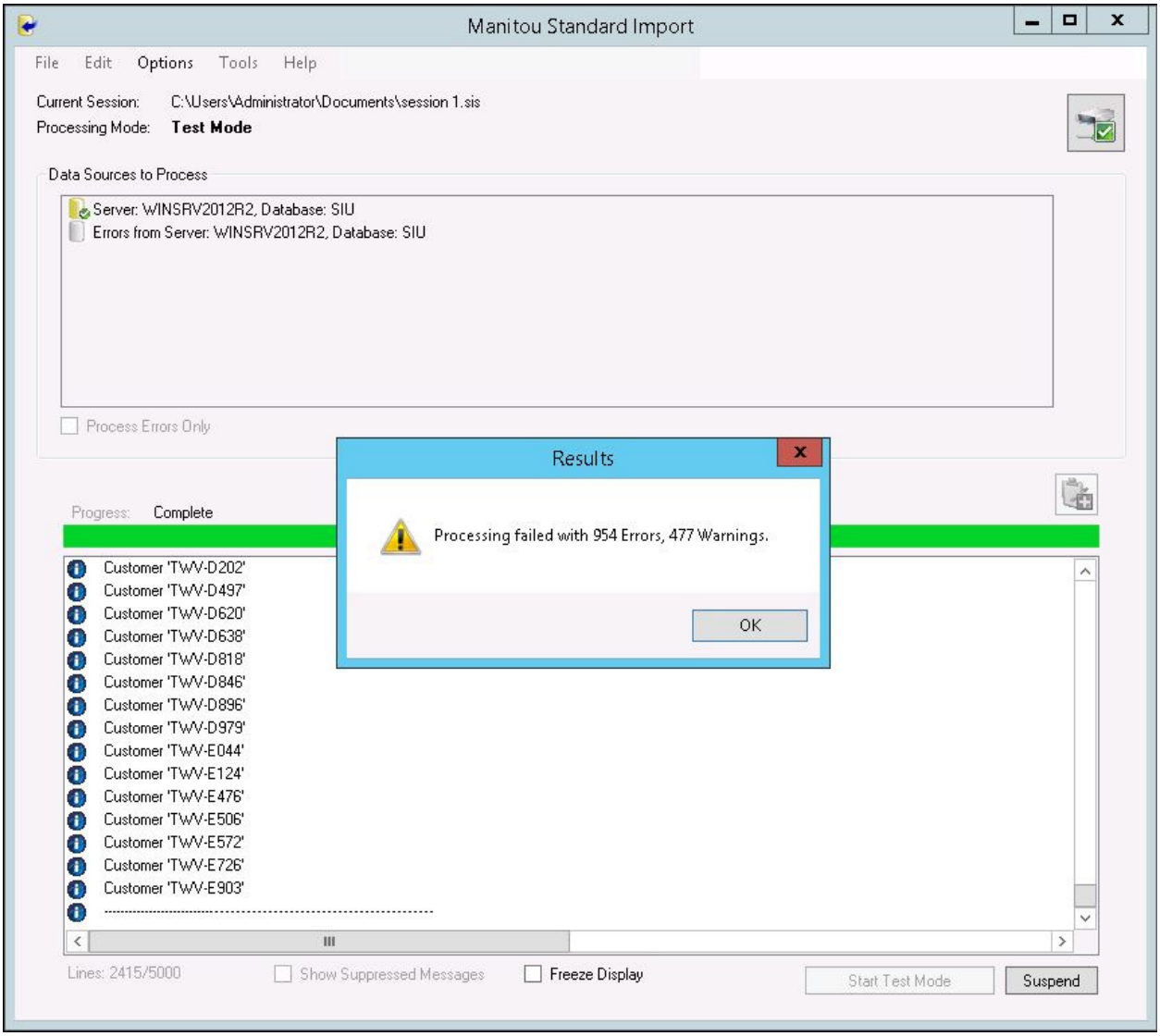
First, you must create a session. A session is a set of data files to import, a variety of processing options, rollback information, and error logs that are saved and maintained even when the Import Utility is closed. To create a new session, click on the File menu and select **New Session**. Then, create a new session file and save it to the destination of your choice.

The Current Session area of the import form displays the destination of the imported files. The Processing Mode displays the mode in which you are running the application. In the example below, the import is running in Test Mode:



Note: Running the Standard Import Utility in Test Mode confirms that syntax and references are intact. This helps you to avoid unnecessary errors during the actual import process.

When you are ready to begin the session, click **Start**. The progress of the import displays in the progress bar. When the import finishes, the Results window displays as shown in the following screenshot:



The Results window notifies you of the errors, if any, that were discovered during the import process.

Note: During processing, the progress automatically scrolls to show the last line. Selecting a single line in the progress list stops the list from scrolling. Additionally, when you click a single line, the list temporarily stops updating. Updating resumes when you page down on the list.

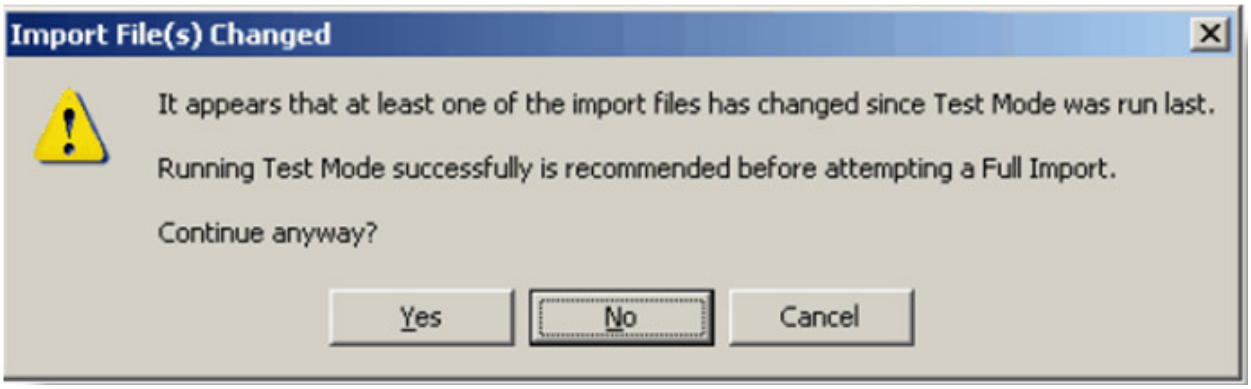
Process Error Files Only

Selecting the Process Error File Only checkbox creates a repository for data records that could not be successfully processed. When selected, all data files display grayed-out, except the error files. This allows you to process the error files more easily. After an

initial import, you can fix any errors, and then reimport the error file until all errors are fixed.

Points to Consider

- If the import files have changed since the initial import, the following warning message displays:



This ensures that the latest import files have been imported or that the import files have accidentally changed.

- The limit of the number of lines the system can display in the user interface is 5,000. When this limit is reached, the oldest messages get thrown away as new messages are displayed. Additionally, the bottom of the window displays the number of lines out of the maximum that are currently displayed. This indicates that old messages are being thrown away. If the line reads 5000/5000, the message list has reached its capacity.

- Log files are split when they reach 100,000 lines. After that, a new log file is created. The file name displays as "SIMySession_000_Log.txt", where "000" is incremented for each log file that is created.

Edit Menu

The Edit menu contains the following five editing commands:

- Copy Log Data to Clipboard
- Find Next Error or Warning in Log Data
- Find Previous Error or Warning in Log Data
- Find Next Error in Log Data
- Find Previous Error in Log Data

Copy Log Data to Clipboard

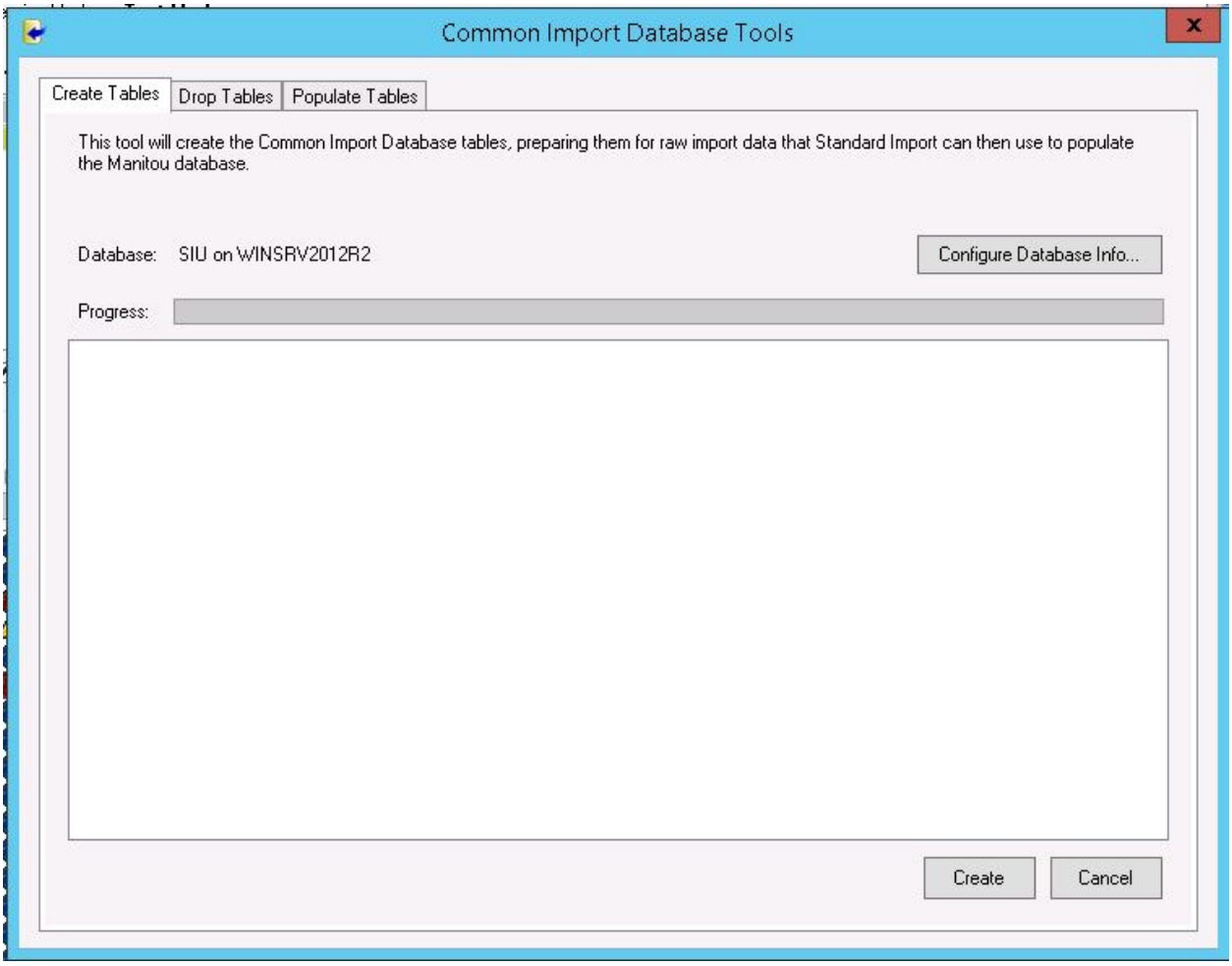
Selecting the "Copy Log Data to Clipboard" command copies all of the log data to a clipboard, where you can paste it into another document for logging purposes. This command can also be executed by clicking on the Copy Log Data button.

Find Next or Previous Warning or Error

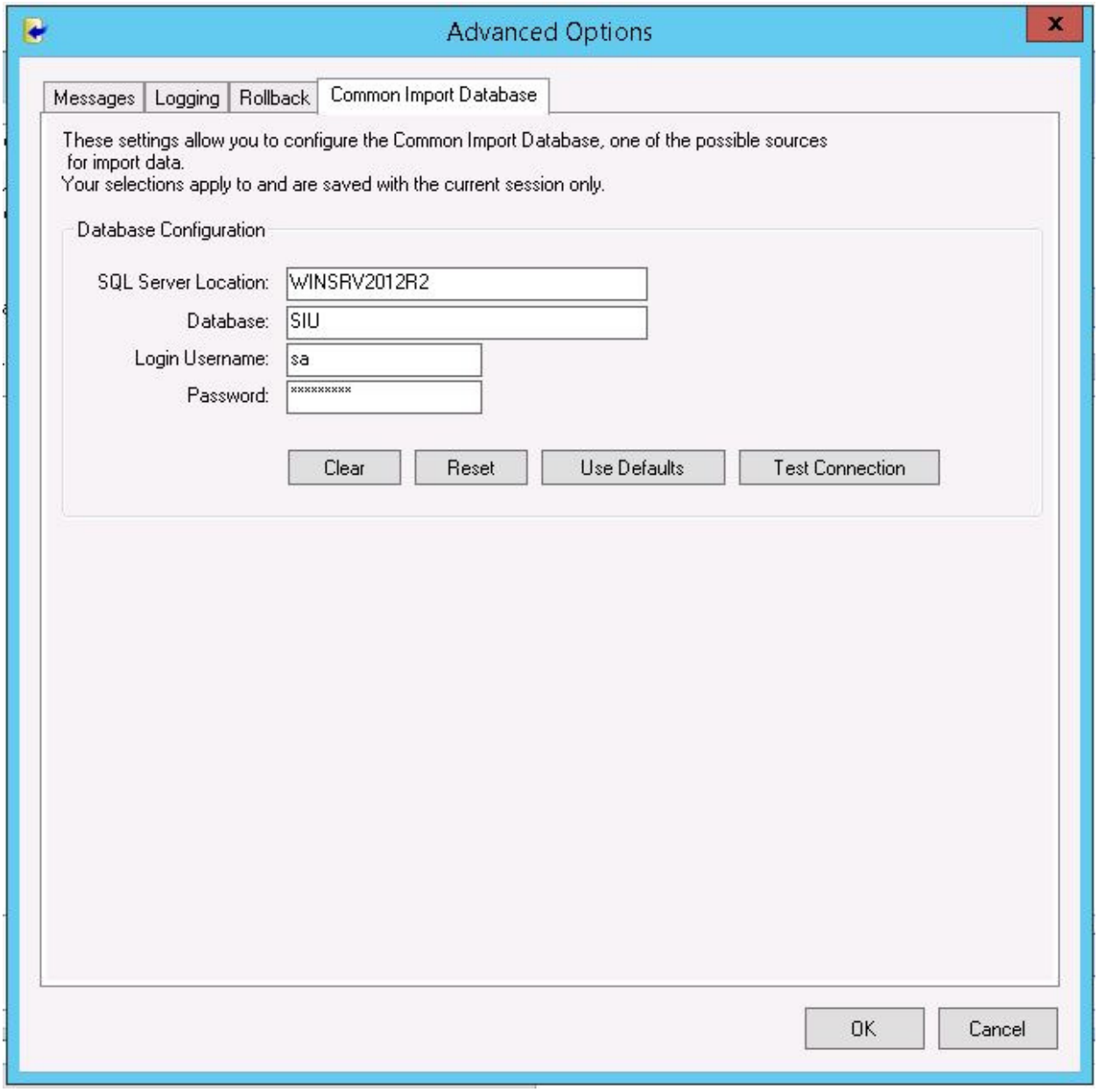
Selecting any of these options allows the user to find the next or previous warning or error or in the log data. This is a useful and efficient tool that eliminates the need for you to manually scroll through the log data to find warnings and errors.

Tools Menu

The Tools menu contains functions for creating a Common Import Database, including creating the tables, populating the tables, and removing tables from the database. When you select the Common Import Database function, the following window displays:



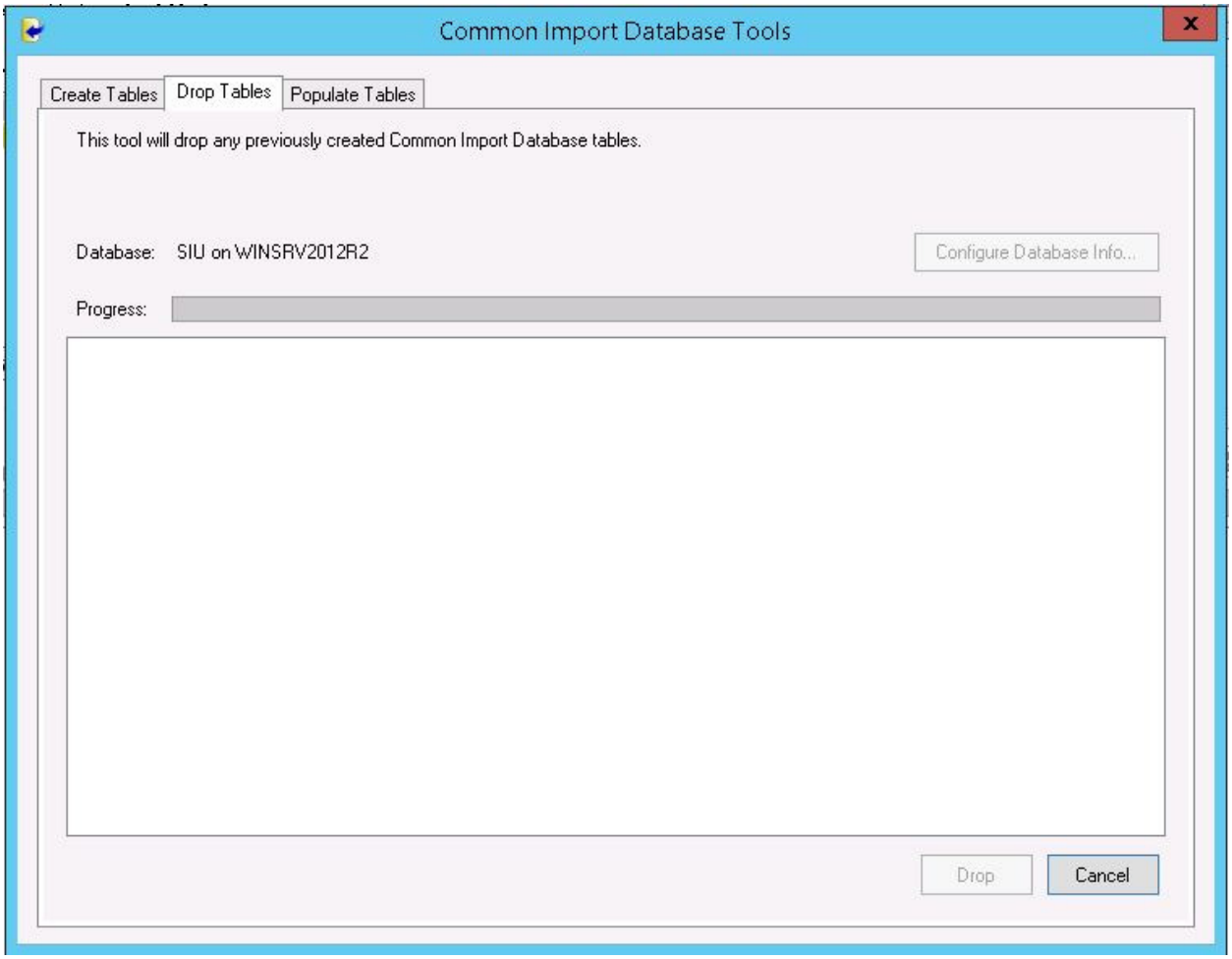
The first step in creating a database is to configure the database information. Click **Configure Database Info** to display the Advanced Options menu as shown in the following screenshot:



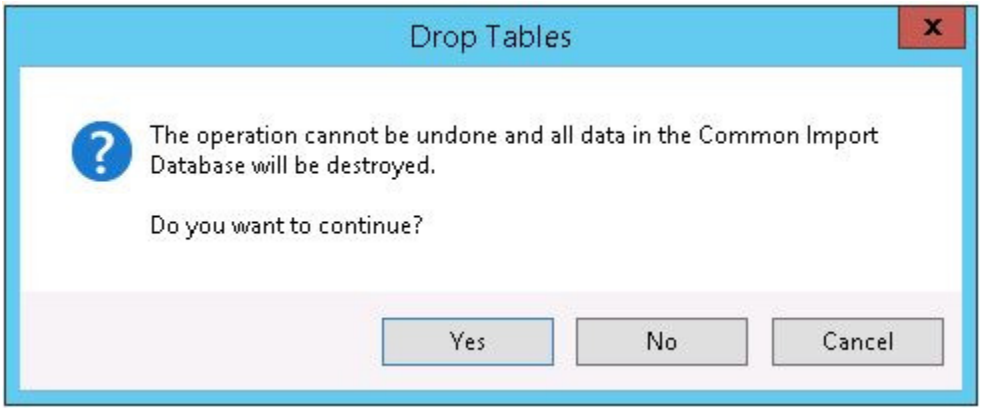
Enter the SQL server location, the location of the Common Import Database, and the associated username and password. Click **Test Connection** to confirm the login and password to the SQL database is correct. Once the database is configured, click **OK** to return to the Common Import Database Tools screen.

Click **Create** to create an empty table with keys. You can then manually populate the tables with raw import data.

Use the Drop Tables tab to remove any previously created tables for the current session.

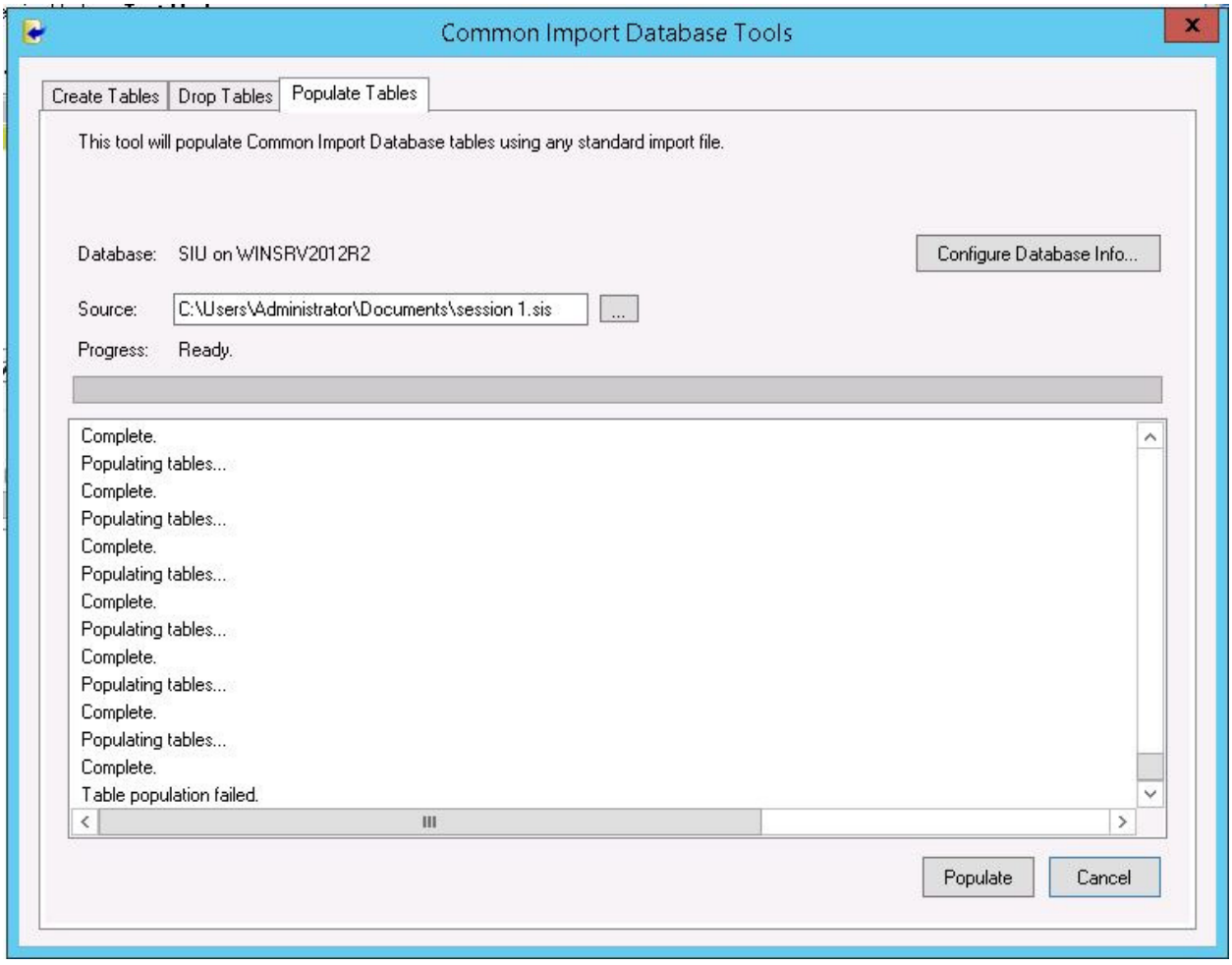


Clicking **Drop** causes the following window to display:



Click **Yes** only if you want to destroy all data in the Common Import Database.

The "Populate Tables" tab creates tables and inputs data in the empty tables. This is helpful for testing a common database for errors.



Once you have created the database and populated the tables with the raw data you want, create an import file from the database. When completed, run the import file in Test Mode. This will highlight errors that occurred during the file creation process. When the system discovers errors, the import session will stop. You can now suspend the session, and fix the errors. Because the data source is in the database, you should make any necessary corrections directly in the database tables.

Options Menu

The Options menu allows you to select various modes for the import utility and to generate

class/group codes and log files. Once you select them, the options are saved to the session.

Primary Import Source

Choose whether to import from the Common Import Database or from import files as your source of data.

Test Mode/Full Import

Running the import in Test Mode checks the syntax and ensures that references are intact. This helps prevent unnecessary errors during import. To run the import in Test Mode, select the Test Mode option from the Options menu.

Running the import in Full Import mode checks for unnecessary errors, but causes the import of the current entity to fail. We recommended running the Full Import only after you have first successfully run it in Test Mode.

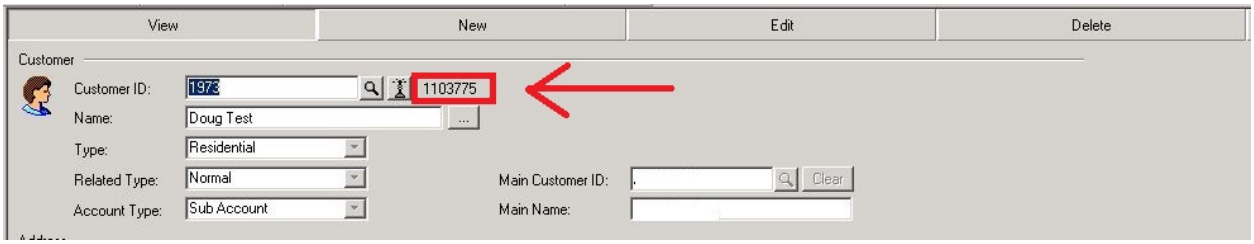
Rollback Mode

Rollback Mode returns any data that was actually imported to its original state. It is useful when errors occur during import, and you want to undo them.

In order to run a session in Rollback Mode, you must first enter the location of the Manitou database in the Options menu, under Advanced Options.

Auto Generate Customer IDs

The Auto Generate Customer IDs option allows the Import Utility to automatically produce Customer IDs based on the database serial number found in the Manitou Operator Workstation.



For example, if the last serial number ends at 1103775 and the option to generate Customer IDs is selected, the Utility begins generating Customer IDs beginning at 1103776. The new Customer IDs will be identical to database serial numbers, so if a

differing Customer ID numbering scheme is already in place for existing Customers, it is best not to use this option.

Auto Generate Class and Group Codes

The Auto Generate Class Codes and Auto Generate Group Codes options work independently from each other, but in an identical manner. If the import finds a Class or Group Code in the CUSTOPTIONS record but cannot find it in the database, it automatically generates one so that the reference check does not fail. There is no way to import a Class or Group Code independent from this function. The Auto Generate Class Codes and Auto Generate Group Codes options are preselected by default.

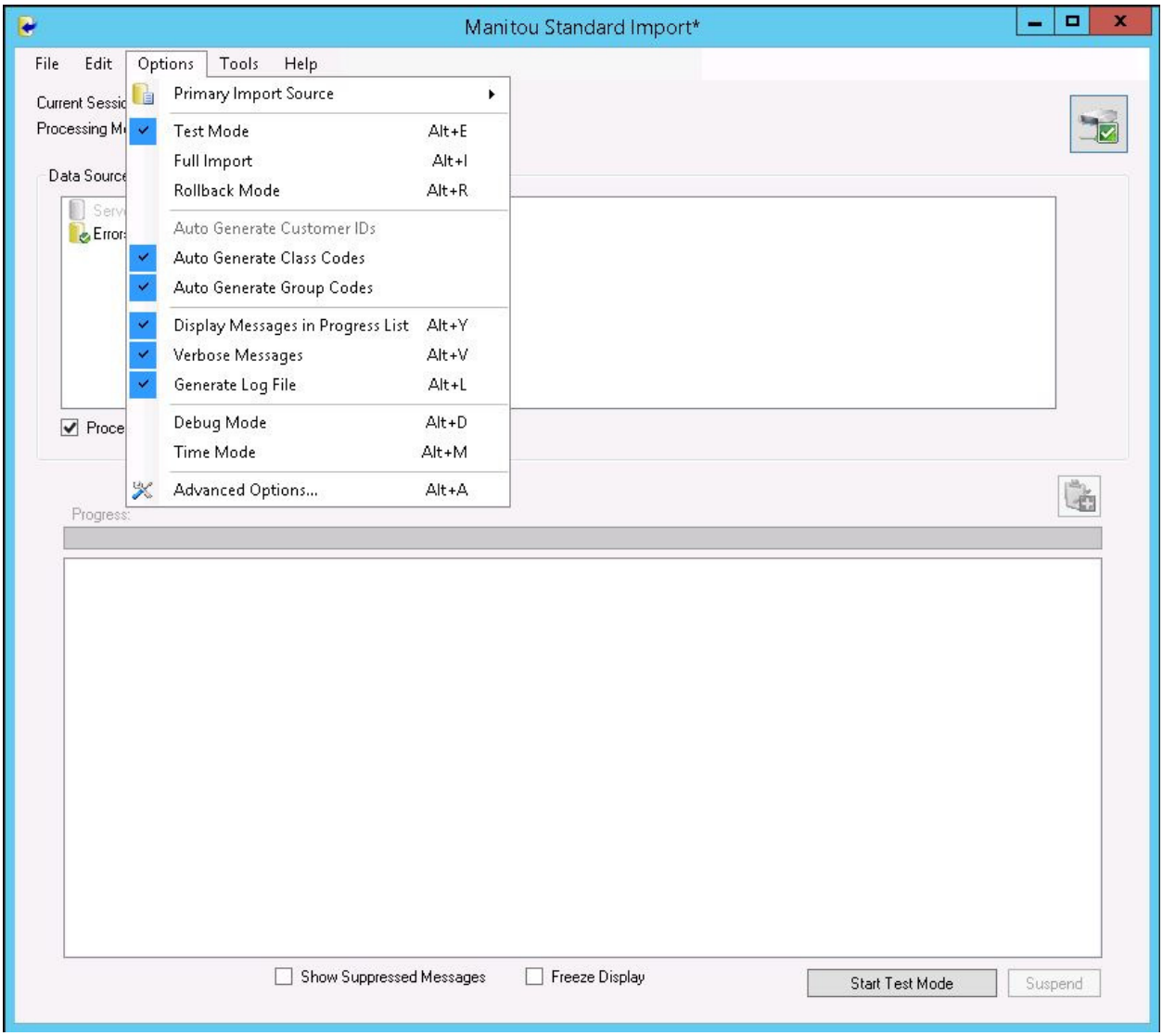
The Class Code and Group Code fields are paired with an optional description that it uses to locate and/or automatically generate a new code.

If a code is provided, Standard Import attempts to locate it in the database. If the code can be found, it uses it. However, if the code cannot be found, it moves on to the description to try to find it. The description must exactly match the database's description for the code in order for Standard Import to locate it.

If the description can be found, Standard Import uses the code associated with it. If the description cannot be found, then the system attempts to auto-generate the code. This is done by using the given code and inserting it into the database. Then, a description of the code is added.

Display Messages in Progress List

The Display Messages in Progress List option allows you the option of stopping the display of messages in the Standard Import Utility. The option displays as preselected. Deselect it if you want to stop displaying messages.



If you deselect the Display Messages in Progress List option and leave the Generate Log File option selected, messages still display in the log file, just not in the user interface. A warning will display if both the Display Messages in Progress List and Generate Log File options are deselected.

Verbose Messages

The Verbose Messages option displays as preselected. If you want to limit the amount of information displayed in the messages you receive, deselect the Verbose Messages option.

Generate Log File

As discussed in relation to the Display Messages in Progress List option, the Generate Log file option displays as preselected and allows messages to display in the log file even when they do not display as part of the user interface. A warning will display if both the Display Messages in Progress List and Generate Log File options are deselected.

Debug Mode/Time Mode

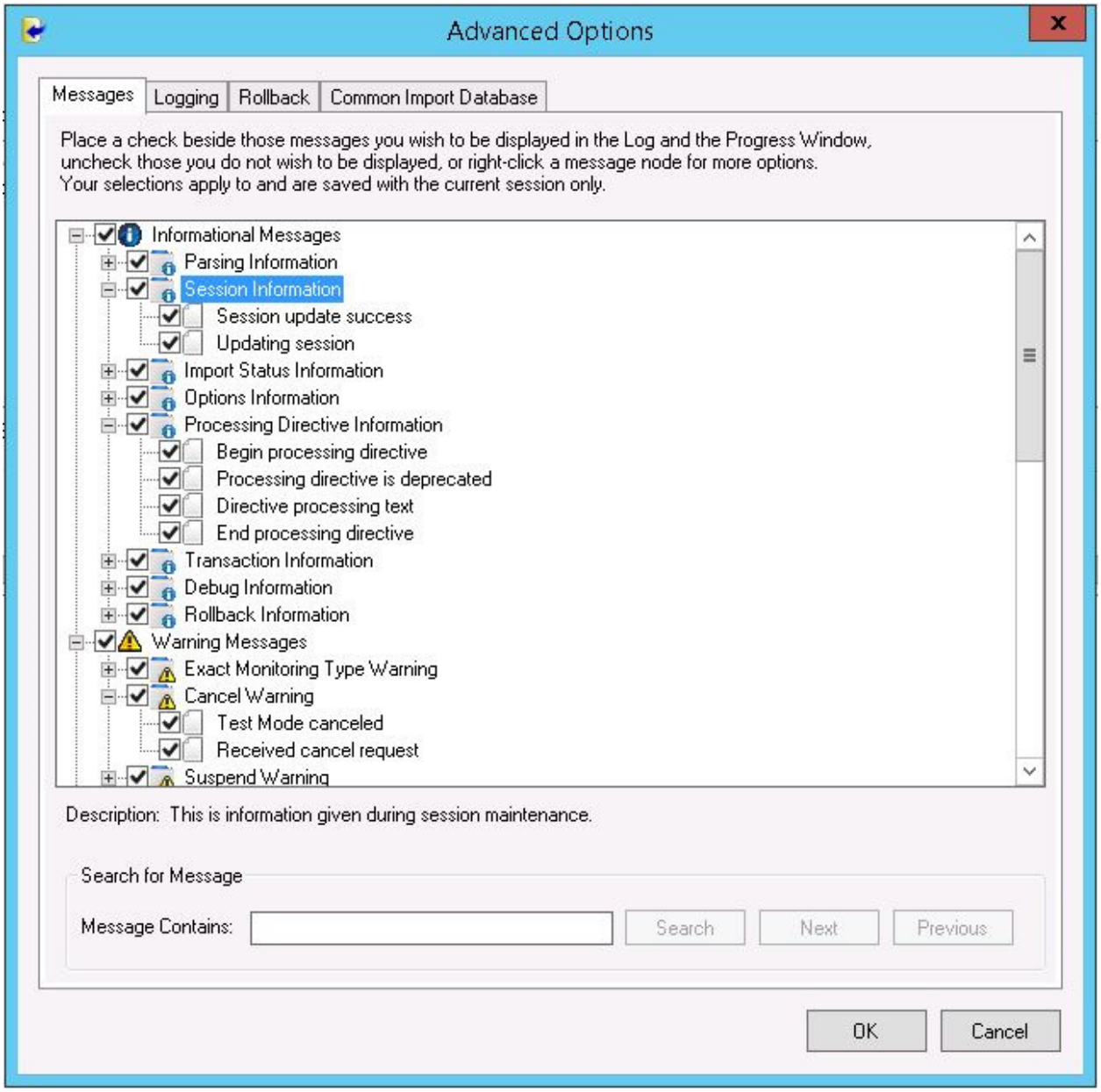
Do not select either of these options unless directed to do so by Bold Technical Support.

Advanced Options

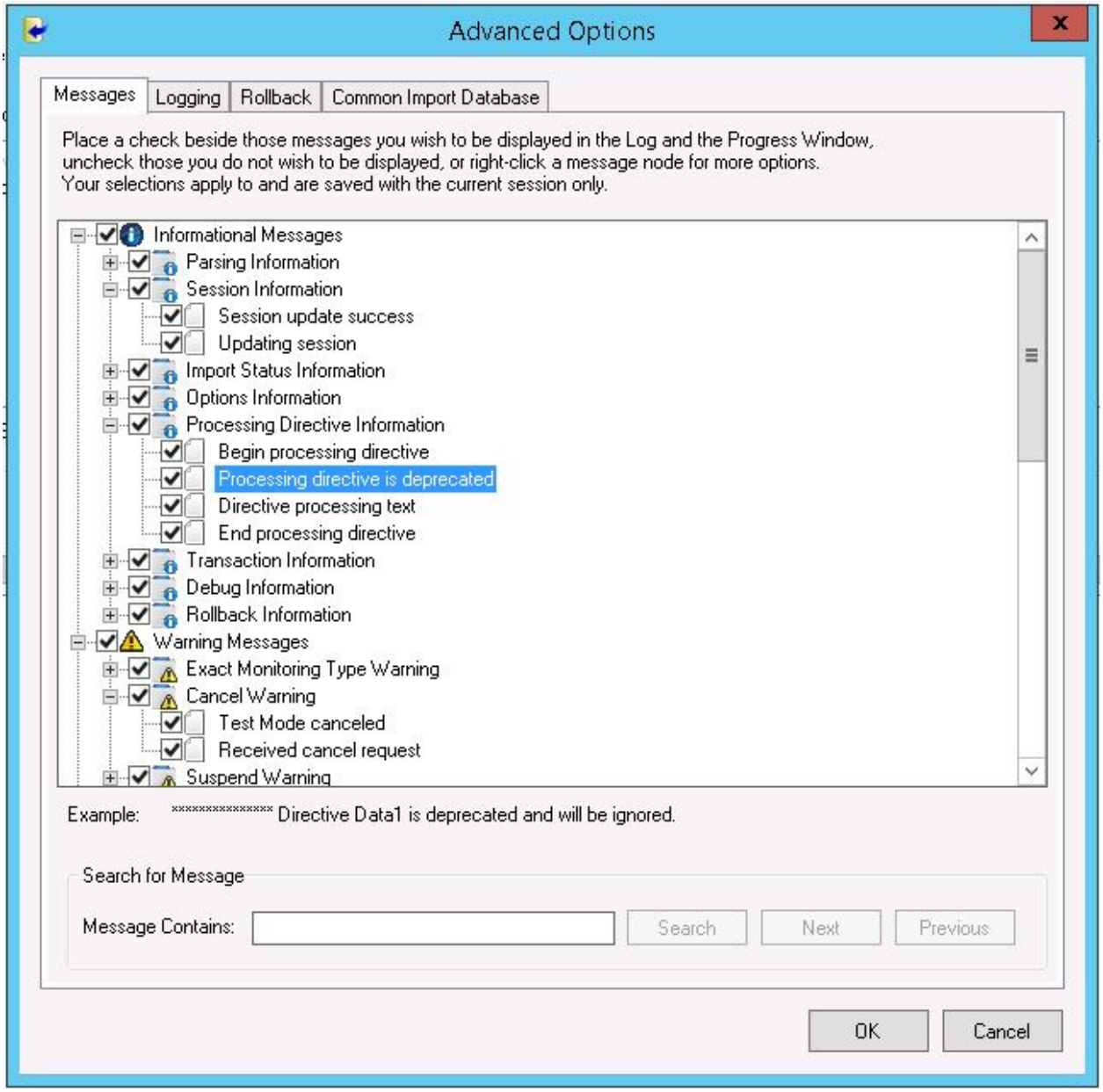
Advanced Options is the last menu choice under the Options menu. The Advanced Options window includes the following four tabs: Messages, Logging, Rollback, and Common Import Database.

Messages

The Messages tab allows you to define which Standard Import messages display to you. Messages are divided into three different categories: Informational, Warning, and Error. You can expand the tree to display the specific messages available for each message category and subcategory as shown in the following screenshot:

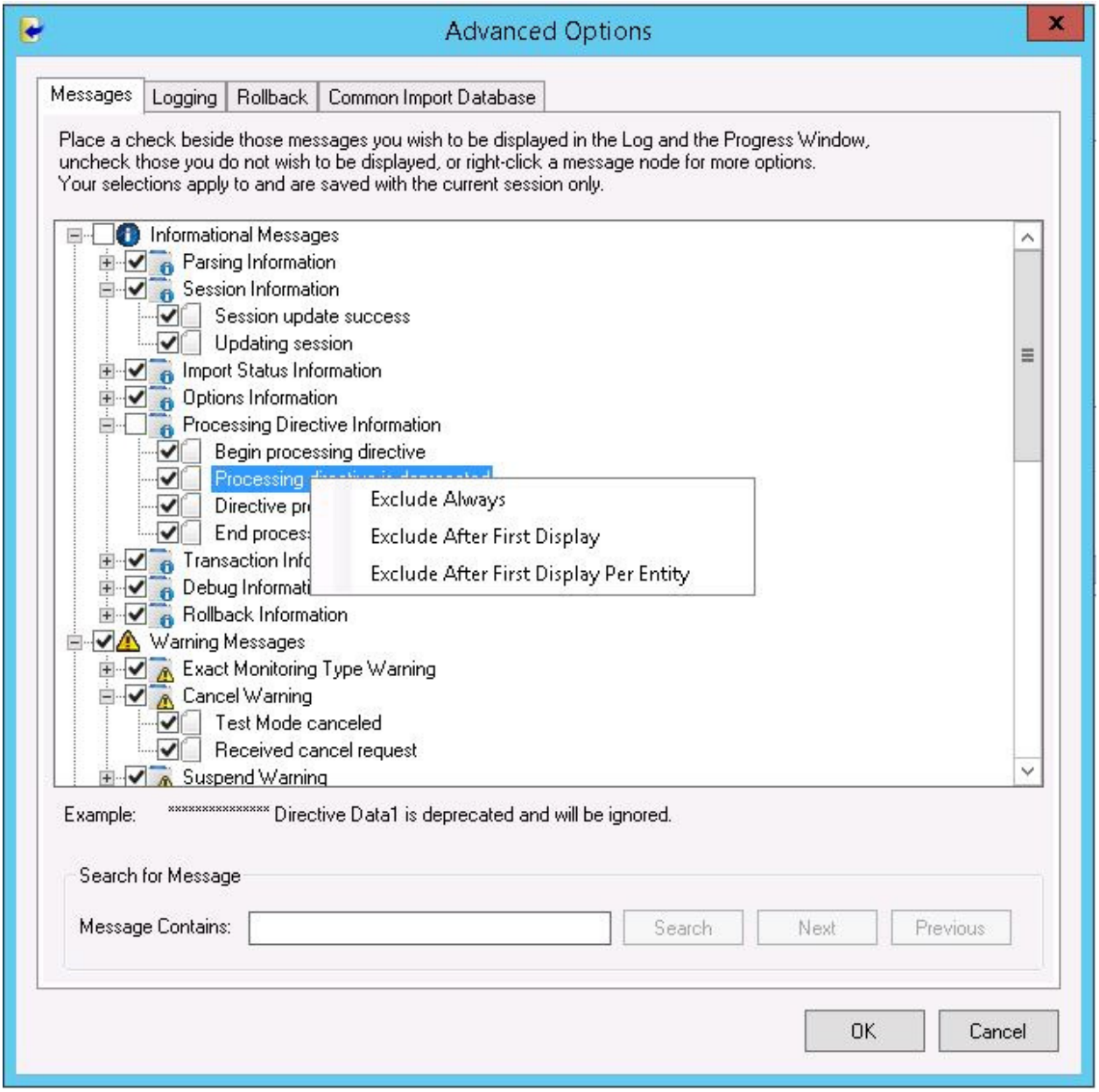


You can click on a specific message to display information about it. Depending on the type of message, this information displays either as a description or as an example. A description displays background information relevant to the particular message (for e.g., as in the "Session Information" message above – during which part of the import process the message is likely to display to the user). An example shows how the message is likely to display to the user (for e.g., as in the "Processing directive is deprecated" message shown below).



A check next to a message indicates that it will display whenever Standard Import encounters the importing issue for which the message was created. You can check or uncheck an entire message category, or an individual message. All message categories and individual messages display as preselected by default. When a message category is selected or deselected, all individual messages in that category will also have the same selection status.

You have the following three options for deselected messages: Exclude Always, Exclude After First Display, and Exclude After First Display Per Entity. You can access these options by right-clicking on a message as shown in the following screenshot:



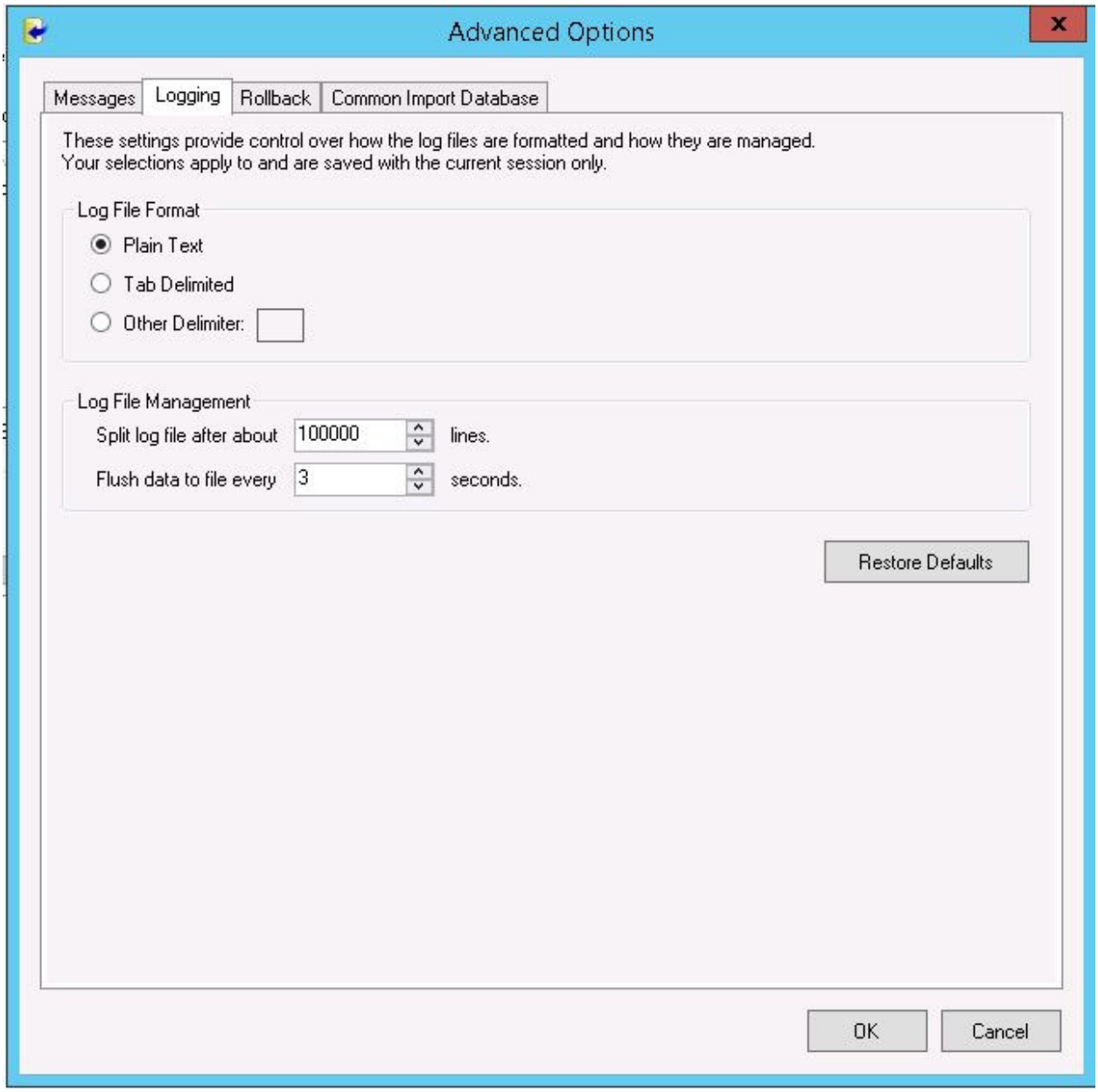
Select the option you want to apply to the message. The display on the messages tree changes to reflect your selection. Your designations regarding message categories and individual messages are saved along with your session.

An additional feature on the Advanced Options window is the Search for Message function. It allows you to search for a message using either the exact text of the message or its name in the list.

Enter the text for which you want to search in the “Message Contains:” field, and then click **Search**. The first matching item the system finds will display as highlighted in the tree.

Logging

The Logging tab allows you to specify how the log files are formatted and managed. As with the Messages tab, these settings apply to the current session only.



The Log File Format area of the tab has the following three options: Plain Text, Tab Delimited, and Other Delimiter.

The Plain Text option writes the file without delimiters. The Tab Delimited option indicates that major fields are delimited by the Tab character. The Other Delimiter option allows you to specify a single printable character to use as a delimiter.

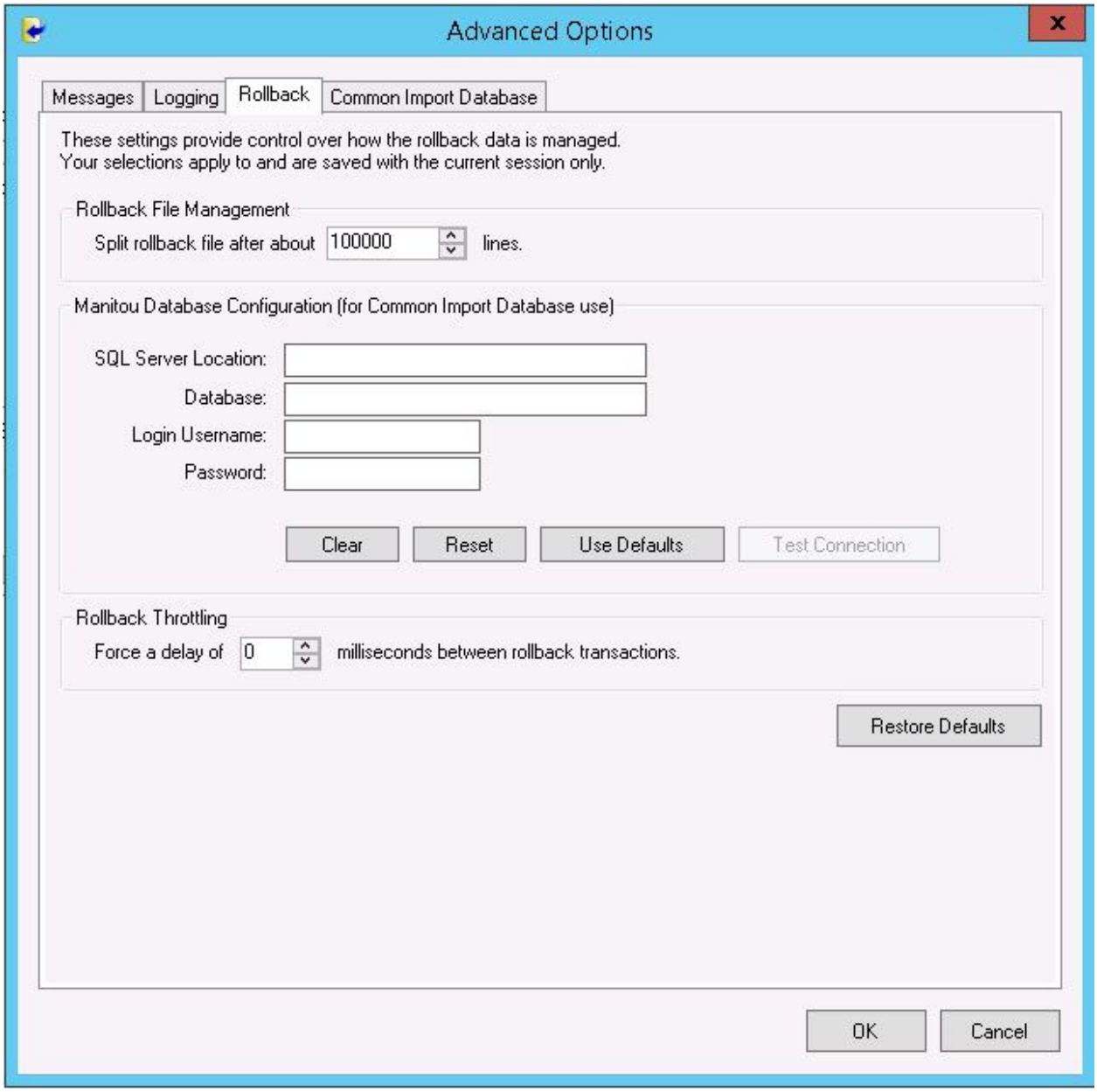
The Log File Management area of the tab includes the following two settings: “Split log file after about **** lines”, and “Flush data to file every ****seconds”.

The first setting defines the number of lines after which the system stops writing to one file and begin writing to a new one.

The second setting defines the time interval that passes before the application sends its data to the log file.

Rollback

The Rollback tab allows you to define how large rollback files can become before the system splits them off into separate files, and the amount of time to delay between each rollback transaction.



In the Rollback File Management area of the tab, define the number of lines after which you want the system to split off the current rollback file and create a separate one.

In the Manitou Database Configuration (for Common Import Database use) area of the form, enter the location of the Manitou database. The system cannot run the Standard Import Utility in Rollback Mode until you enter this information

In the Rollback Throttling area of the tab, define the number of milliseconds you want to pass between ending a rollback transaction and beginning a new one.

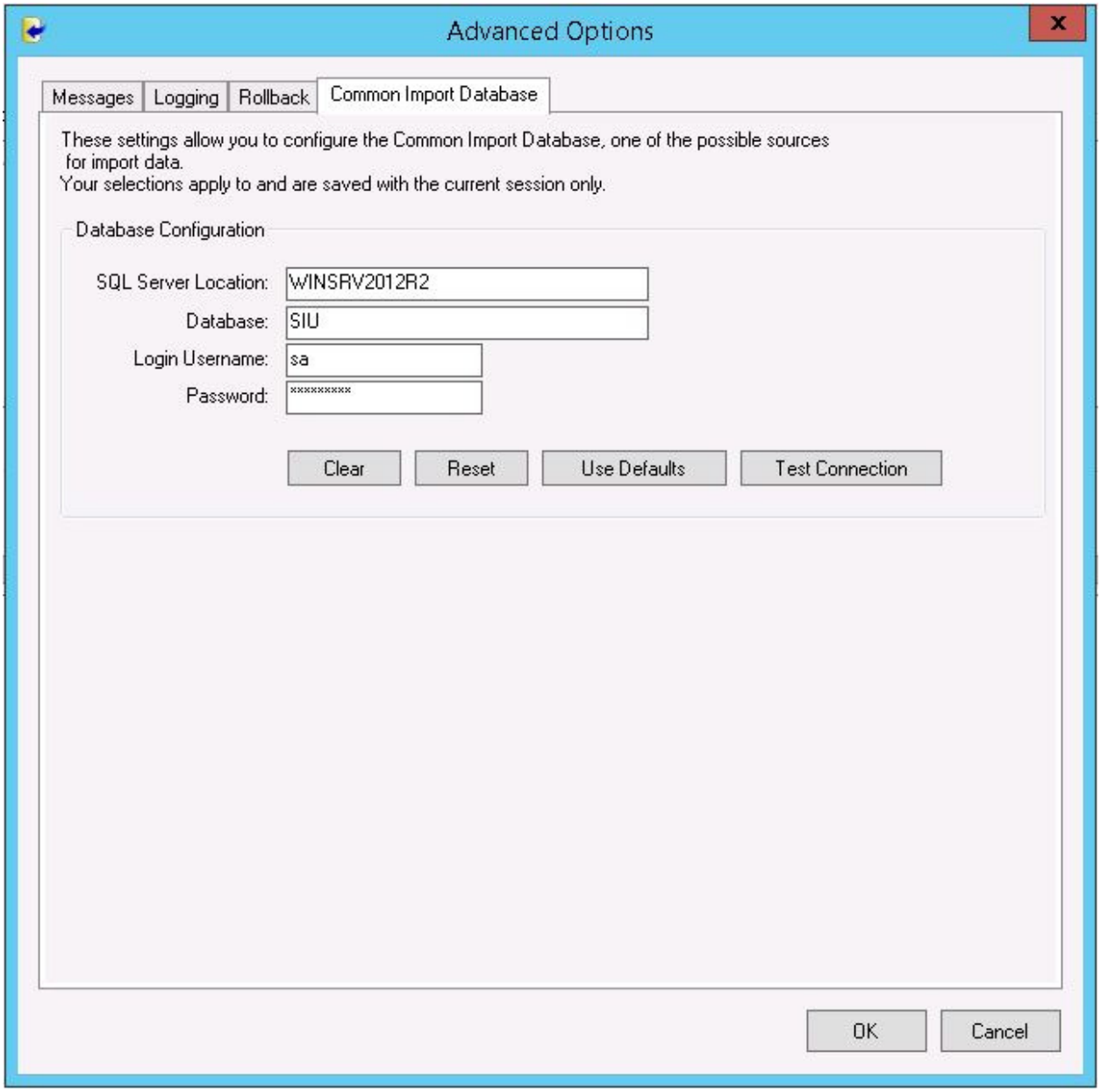
Rollback Backup File

Previously, when you ran a new import after a successful import, the old rollback file was deleted and rewritten with the new rollback information. If the data was not rolled back before the new import was run, the new import failed because it was trying to add the same data to the database that already existed from the previous import. Because the rollback file was deleted, however, there was no way to roll back that original data.

To remedy the situation, the previous rollback file is now copied and named the same as the normal rollback file, except that it has a _BCK attached to the file name (for e.g., SINewSession_Rollback_BCK.sql). You can always roll back from one previous import using this feature.

Common Import Database

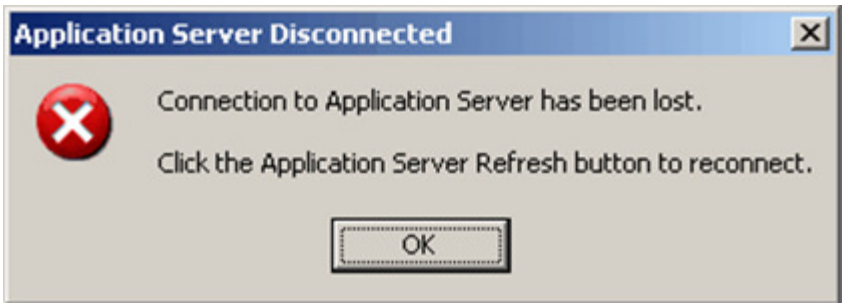
The Common Import Database allows you to import a database of tables that correspond to a record set.



Enter the location of the SQL Server, the database where the Common Import Database resides, and the SQL username and password, and click **OK**.

Troubleshooting

If the Application Server stops running, the following warning message displays:



If you lose your connection to the Application Server, click **Refresh** to reconnect .

The Application Server cache may experience problems when re-running imports for Panel Types, Group Codes, Class Codes, and Transmitter Types. If this occurs, restart the Application Server.