



Location Intelligence  
Infrastructure Asset Management

# Confirm<sup>®</sup>

Import Specification

v26.00b.AM

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# Table of Contents

Specifications

|               |    |                 |    |
|---------------|----|-----------------|----|
| Import        |    | Survey          |    |
| Specification | 7  | Types           | 31 |
| Site Specific |    | Network         |    |
| Files         | 7  | Translations    | 32 |
| Site Optional |    | Data Analysis   |    |
| Files         | 9  | Rule Sets       | 34 |
| Schedule Of   |    | Data Analysis   |    |
| Rates Items   | 11 | Projection      |    |
| SOR           |    | Lookups         | 36 |
| Lookups       | 12 | Data Analysis   |    |
| Asset         |    | Survey          |    |
| Categories    | 13 | Treatments      | 38 |
| Feature       |    | Tab Delimited   |    |
| Types         | 14 | Files with No   |    |
| Attribute     |    | Header          |    |
| Types         | 15 | Row             | 38 |
| Observation   |    | Tab or Comma    |    |
| Lookups       | 17 | Delimited Files |    |
| Features      | 19 | with a Header   |    |
| Feature Text  |    | Row             | 39 |
| Attributes    | 20 |                 |    |
| Feature Smart |    |                 |    |
| Attributes    | 21 |                 |    |
| Feature       |    |                 |    |
| Dates         | 22 |                 |    |
| Connection    |    |                 |    |
| Modes         | 22 |                 |    |
| Asset         |    |                 |    |
| Connections   | 23 |                 |    |
| Asset         |    |                 |    |
| Hierarchy     | 23 |                 |    |
| Maintenance   |    |                 |    |
| Regimes       | 23 |                 |    |
| Contractors   | 24 |                 |    |
| Contractor    |    |                 |    |
| Bids          | 25 |                 |    |
| Contract      |    |                 |    |
| BOQ           | 26 |                 |    |
| Jobs          | 26 |                 |    |
| Contacts      |    |                 |    |
| Import        | 29 |                 |    |
| Inventory     |    |                 |    |
| Lookups       | 30 |                 |    |

# Specifications

The following sections outline all the Specifications that exist within the Confirm functionality.

## In this section

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Import Specification

7

# Import Specification

## Introduction

This document is an import file specification for Confirm.

The document should be used in conjunction with training/consultancy in the use of the system's Data Import Facilities.

There are two different formats of import file:

- Tab or comma delimited text files with the first row in the file a header row indicating which columns are present and in what order.
- Tab delimited text files with no header row, where the columns must be present in the same order as in this specification.

The sections below specify which format is used for each type of record that can be imported, and describe which columns should be present in an import file.

## Site Specific Files

Sites and related lookups are imported as **Tab or Comma Delimited Files with a Header Row**.

### Importing New Site Records

Two tables are populated by the Site import utility - the Central Site Register, and the Site Extension table. The central table contains information that is common to all systems that might maintain Assets on that Site. The Site extension table provides additional details for operational purposes pertinent to the type of asset. Attributes that are stored in the Central Site table are flagged with a "\*" below. When importing Sites not applicable for Maintenance Management, it is only necessary to provide data for the Central Site Register (the fields indicated with the \* symbol below).

| Field              | Size     | Type         | Comment      |
|--------------------|----------|--------------|--------------|
| Code*              | 10       | ASCII / CAPS | Compulsory   |
| Name*              | 40       | ASCII        |              |
| Plan number*       | 15       | ASCII        | Can be blank |
| Category *         | 4        | ASCII / CAPS |              |
| Area *             | 4        | ASCII / CAPS |              |
| Ward *             | 4        | ASCII / CAPS |              |
| Extent 1 Easting*  | 10 (8.2) | Numeric      | Can be zero  |
| Extent 1 Northing* | 10 (8.2) | Numeric      | Can be zero  |
| Extent 1 Altitude* | 10 (8.2) | Numeric      | Can be zero  |
| Extent 2 Easting*  | 10 (8.2) | Numeric      | Can be zero  |
| Extent 2 Northing* | 10 (8.2) | Numeric      | Can be zero  |
| Extent 2 Altitude* | 10 (8.2) | Numeric      | Can be zero  |

| Field              | Size     | Type         | Comment      |
|--------------------|----------|--------------|--------------|
| Centroid Easting*  | 10 (8.2) | Numeric      | Can be zero  |
| Centroid Northing* | 10 (8.2) | Numeric      | Can be zero  |
| Centroid Altitude* | 10 (8.2) | Numeric      | Can be zero  |
| Organisation*      | 8        | ASCII / CAPS |              |
| Street Type*       | 1(1.0)   | Numeric      |              |
| Locality*          | 4(4.0)   | Numeric      |              |
| Version*           | 4(4.0)   | Numeric      | Can be zero  |
| Start Date*        |          | Date         | Can be blank |
| End Date*          |          | Date         | Can be blank |
| Central Notes*     | Variable | ASCII        | Can be blank |
| Address*           | Variable | ASCII        | Can be blank |
| Customer *         | 4        | ASCII / CAPS |              |
| Contract Area      | 4        | ASCII / CAPS |              |
| Classification     | 4        | ASCII / CAPS |              |
| Cost code          | 15       | ASCII / CAPS |              |
| Notes              | Variable | ASCII        | Can be blank |
| External Ref       | 10       | ASCII / CAPS | Can be blank |

**Note:** In Confirm versions prior to V11.60a.AM, different names were used for two of the fields depending on the Confirm product being run. For the 'Classification' field, either 'Classification' or 'Network Priority' was used. For the 'External Ref' field, either 'Site External Ref', 'Site Road' or 'Site DOT' was used

### Organisation

If the Site File is not generated from a National Street Gazetteer (NSG) then the default Organisation set in the system is AUTHOR

### Street Type

If the Site File is not generated from an NSG then a Street Record Type should be set up in the system prior to import and utilised for Non-Gazetteer Sites in the import file. e.g.

### Locality

If the Site File is not generated from an NSG then the default Locality set in the system is 9999

## Importing Site Record Updates

In order to update an existing Site record, the Site Code needs to be specified, to identify the record, along with any of the fields that require updating. Any data fields that are not specified in the file will remain unchanged in the database.

To update Site name, corresponding Site address must also be provided.

For example, Sturmer Court (Site Code 8121221901) is a Site Record already held within the Confirm database. It falls within the Area of Kings Hill and the Ward of Mereworth.

Suppose the user wishes to correct the extent coordinates of the Site. In order to do this, only the Code and the changing data needs to be specified in the import file, as in this comma delimited example:

### Site File

```
Code,Extent 1 Easting,Extent 1 Northing,Extent 2 Easting,Extent 2
Northing
8121221901,340362.22,367888.66,340361.49,367977.31
```

Now suppose the user wishes to change the Ward in which the Site resides due to a local government re-organisation of Ward Boundaries. In order to do this, again only the Code and the changing data needs to be specified in the import file, as in this comma delimited example:

### Site File

```
Code,Ward
8121221901,WEML
```

Here the Site code for Sturmer Court has been specified, along with the Code for the new Ward (West Malling). As the other information about the Site (e.g. the Area) has not been specified in the file it will remain unchanged.

**Note:** In the above example, it is assumed that the new ward of West Malling already exists within the Confirm database. If this is not the case, Confirm would create a new Ward with a code of WEML and a Name of WEML.

In order to provide Confirm with the naming information about the ward via the import procedure, the optional comma delimited Ward file would need to be imported:

### Ward File

```
Code,Name
WEML,West Malling
```

These optional files can be used to cross-reference the Codes specified in the main file if they do not already exist within the database.

## Site Optional Files

Sites and related lookups are imported as **Tab or Comma Delimited Files with a Header Row**.

### Area

| Field | Size | Type         | Comment |
|-------|------|--------------|---------|
| Code  | 4    | ASCII / CAPS | Unique  |

| Field | Size | Type  | Comment |
|-------|------|-------|---------|
| Name  | 30   | ASCII |         |

**Ward**

| Field | Size | Type         | Comment |
|-------|------|--------------|---------|
| Code  | 4    | ASCII / CAPS | Unique  |
| Name  | 30   | ASCII        |         |

**Category**

| Field | Size | Type         | Comment |
|-------|------|--------------|---------|
| Code  | 4    | ASCII / CAPS | Unique  |
| Name  | 30   | ASCII        |         |

**Contract Area**

| Field | Size | Type         | Comment |
|-------|------|--------------|---------|
| Code  | 4    | ASCII / CAPS | Unique  |
| Name  | 30   | ASCII        |         |

**Customer**

| Field | Size | Type         | Comment |
|-------|------|--------------|---------|
| Code  | 4    | ASCII / CAPS | Unique  |
| Name  | 30   | ASCII        |         |

**Cost Code**

| Field       | Size | Type         | Comment  |
|-------------|------|--------------|--|
| Cost Code   | 15   | ASCII / CAPS | Unique   |
| Description | 30   | ASCII        |  |
| Budget      | 15   | ASCII / CAPS | Can be same as Code  |
| Category    | 4    | ASCII / CAPS | Can be blank   |
| Site Code   | 10   | ASCII / CAPS | Can be blank   |
| Customer    | 4    | ASCII / CAPS | Can be blank   |
| Dead Flag   | 1    | ASCII / CAPS | Supply "Y" or "Yes" to set to Dead. Any other value to set |

| Field          | Size | Type         | Comment  |
|----------------|------|--------------|--|
| External FIS   | 30   | ASCII / CAPS | to Live. New records default to Live if not supplied<br>Defaults to the same as the Code if not supplied for new records |
| Send to Device | 1    | ASCII / CAPS | Supply "N" to set off. Any other to set to on. New records default to on if not supplied                                 |

If Category is left blank the default Cost Code Category will be used (this is defined in Site System Defaults). If Site Code is specified it must be the code of a Site already in Confirm, and not one that is in the process of being imported. Category and Customer however, can be either existing Confirm codes or new codes.

### Classification

| Field | Size | Type         | Comment |
|-------|------|--------------|---------|
| Code  | 4    | ASCII / CAPS | Unique  |
| Name  | 30   | ASCII        |         |

### Schedule Of Rates Items

Schedule of Rates Items and related lookups are imported as **Tab Delimited Files with No Header Row**.

### Schedule of Rates Items

| Field                     | Size     | Type         | Comment  |
|---------------------------|----------|--------------|--|
| SOR Item code             | 8        | ASCII / CAPS |  |
| SOR Item name             | 55       | ASCII        |  |
| SOR Item full description | Variable | ASCII        | Optional   |
| Schedule code             | 4        | ASCII / CAPS |  |
| Unit of Measure code      | 4        | ASCII / CAPS |  |
| Estimated quantity        | 10 (8,2) | Numeric      | Can be zero  |
| Pricing quantity          | 6 (6,0)  | Numeric      | Cannot be less than one                                      |
| Target rate               | 12 (8,4) | Numeric      | Can be zero  |
| Parent SOR Code           | 8        | ASCII / CAPS | See note below   |
| Range From Qty            | 10 (8,2) | Numeric      | Can be null  |
| Range To Qty              | 10 (8,2) | Numeric      | Can be null  |
| Perc Item Adj Flag        | 1        | ASCII / CAPS | Optional – defaults to "Yes"                                 |
| Exclude Job Flag          | 1        | ASCII / CAPS | Optional – defaults to "No"                                  |
| Dead Flag                 | 1        | ASCII / CAPS | Ignored for new records. For existing records, supply "Y" or |

| Field | Size | Type | Comment   |
|-------|------|------|---|
|       |      |      | "Yes" to set to Dead, or any other value to set to Live |

This import is primarily for creating new Schedule of Rates Items but can be used for updating the Target Rate and Dead Flag of existing Items. It is not possible to update any other fields.

**Note:** If the 'Range From Qty' and 'Range To Qty' fields have been specified this will denote that the item is a banded item. For these items, the 'Parent SOR Code' field must also be specified.

For banded Parent items the 'Parent SOR Code' field value supplied must be the same as the 'SOR Item code' field.

For regular unbanded items the 'Parent SOR Code' field value supplied should be the same as the 'SOR Item code' field. If the 'Parent SOR Code' field is not supplied then it will be defaulted to the 'SOR Item code' value.

### Schedule (Optional)

| Field                  | Size | Type         | Comment                       |
|------------------------|------|--------------|-------------------------------|
| Schedule Code          | 4    | ASCII / CAPS | Unique                        |
| Schedule Name          | 30   | ASCII        |                               |
| Fee Work Category Code | 4    | ASCII / CAPS | Optional                      |
| Work Category Code     | 4    | ASCII / CAPS | Optional – defaults to "MISC" |

### Unit Of Measure (Optional)

| Field                | Size | Type         | Comment                      |
|----------------------|------|--------------|------------------------------|
| Unit of Measure code | 4    | ASCII / CAPS | Unique                       |
| Unit of Measure name | 15   | ASCII        |                              |
| Rate Uplift          | 1    | ASCII / CAPS | Optional – defaults to "Yes" |
| Length               | 1    | ASCII / CAPS | Optional – defaults to "No"  |
| Width                | 1    | ASCII / CAPS | Optional – defaults to "No"  |
| Depth                | 1    | ASCII / CAPS | Optional – defaults to "No"  |

### SOR Lookups

SOR Groups and SOR Group Items are imported as **Tab or Comma Delimited Files with a Header Row**.

**SOR Groups (Optional)**

| Field      | Size  | Type         | Comment  |
|------------|-------|--------------|----------|
| SORGRPCODE | 4     | ASCII / CAPS | Unique   |
| SORGRPNAME | 30    | ASCII        |          |
| NOTES      | 32000 | ASCII        | Optional |

**SOR Group Items (Optional)**

| Field       | Size    | Type         | Comment  |
|-------------|---------|--------------|--|
| SORGRPCODE  | 4       | ASCII / CAPS | Unique   |
| SORITEMCODE | 8       | ASCII / CAPS | Unique   |
| ITEMNO      | 4 (4.0) | Numeric      | Optional - needs to be unique within SORGRPCODE if supplied. |

**Asset Categories**

Asset Categories and related lookups are imported as **Tab Delimited Files with No Header Row**.

**Asset Categories**

| Field                 | Size     | Type         | Comment   |
|-----------------------|----------|--------------|---|
| Asset Category code   | 4        | ASCII / CAPS | Unique  |
| Asset Category name   | 30       | ASCII        |   |
| Asset Control type    | 4        | ASCII / CAPS | If the Asset Control does not exist and is not being created as part of the import, one will be created using the supplied value as Code and Name.  |
| Function code         | 4        | ASCII / CAPS | If the Asset Function does not exist and is not being created as part of the import, one will be created using the supplied value as Code and Name. |
| Asset Group code      | 4        | ASCII / CAPS | If the Asset Group does not exist and is not being created as part of the import, one will be created using the supplied value as Code and Name.    |
| Replacement Unit Cost | 12 (8.4) | Numeric      |   |
| Residual Unit Cost    | 12 (8.4) | Numeric      |   |
| Costing Quantity      | 6 (6.0)  | Numeric      |   |

| Field                   | Size    | Type         | Comment  |
|-------------------------|---------|--------------|--|
| Costing Unit of Measure | 4       | ASCII / CAPS | If the Unit does not exist, one will be created using the supplied value as Code and Name. |
| Useful Life             | 6 (6.0) | Numeric      | Should be supplied in Days.  |
| Initiation Period       | 6 (6.0) | Numeric      | Should be supplied in Days.  |
| External Reference      | 255     | ASCII        |  |

#### Asset Control Type (Optional)

| Field              | Size | Type         | Comment            |
|--------------------|------|--------------|--------------------|
| Asset Control Code | 4    | ASCII / CAPS | Unique             |
| Asset Control Name | 30   | ASCII        |                    |
| Valuation Flag     | 1    | ASCII        | 'Y'es or 'N'o only |

#### Asset Function (Optional)

| Field               | Size | Type         | Comment |
|---------------------|------|--------------|---------|
| Asset Function Code | 4    | ASCII / CAPS | Unique  |
| Asset Function Name | 30   | ASCII        |         |

#### Asset Group (Optional)

| Field            | Size | Type         | Comment |
|------------------|------|--------------|---------|
| Asset Group Code | 4    | ASCII / CAPS | Unique  |
| Asset Group Name | 30   | ASCII        |         |

### Feature Types

Feature Types and related lookups are imported as **Tab Delimited Files with No Header Row**.

#### Feature Type

| Field               | Size | Type         | Comment  |
|---------------------|------|--------------|----------|
| Feature Type code   | 4    | ASCII / CAPS | Unique   |
| Feature Type name   | 30   | ASCII        |          |
| Feature Group code  | 4    | ASCII / CAPS |          |
| Asset Category code | 4    | ASCII / CAPS | Optional |

| Field                          | Size    | Type         | Comment  |
|--------------------------------|---------|--------------|----------|
| UKPMS Import Feature           | 4       | ASCII / CAPS | Optional |
| UKPMS Cons Type                | 4       | ASCII / CAPS | Optional |
| UKPMS Number of Lanes          | 8 (8,0) | Numeric      | Optional |
| Feature Type Order             | 9 (9,0) | Numeric      | Optional |
| UKPMS Number of Nearside Lanes | 8 (8,0) | Numeric      | Optional |

### Feature Group (Optional)

| Field                   | Size    | Type         | Comment                               |
|-------------------------|---------|--------------|---------------------------------------|
| Feature Group code      | 4       | ASCII / CAPS | Unique                                |
| Feature Group name      | 30      | ASCII        |                                       |
| Measurement Type code   | 4       | ASCII / CAPS |                                       |
| UKPMS Group Class       | 1       | ASCII / CAPS | Optional - defaults to "Feature Only" |
| UKPMS Inventory Type    | 4       | ASCII / CAPS | Optional                              |
| UKPMS Inventory Certain | 6 (6,0) | ASCII        | Optional                              |
| UKPMS Allow Obs Trans   | 1       | ASCII / CAPS | Optional – defaults to "No"           |

### Group Measurement (Optional)

| Field                 | Size | Type         | Comment |
|-----------------------|------|--------------|---------|
| Feature Group code    | 4    | ASCII / CAPS | Unique  |
| Measurement Type code | 4    | ASCII / CAPS | Unique  |

### Measurement Type (Optional)

| Field                 | Size    | Type         | Comment  |
|-----------------------|---------|--------------|----------|
| Measurement Type code | 4       | ASCII / CAPS | Unique   |
| Measurement Type name | 30      | ASCII        |          |
| Unit of Measure code  | 4       | ASCII / CAPS |          |
| Display Order         | 4 (4,0) | Numeric      | Optional |

### Attribute Types

Attribute Types and related lookups are imported as **Tab or Comma Delimited Files with a Header Row**.

Attribute Types and Values must be imported together, i.e. you cannot import new Attribute Values for an Attribute Type already in the database. Hence although all files are optional it is not valid to supply an Attribute Value file on its own.

### Attribute Types (Optional)

| Field        | Size    | Type         | Comment   |
|--------------|---------|--------------|---|
| ATTRCODE     | 4       | ASCII / CAPS | Unique  |
| ATTRNAME     | 30      | ASCII        |   |
| ORDER        | 4 (4,0) | Numeric      | Optional – defaults to 0  |
| NAVALUE      | 4       | ASCII / CAPS |   |
| TYPEFLAG     | 1       | ASCII / CAPS | Optional<br>'N' or 'Number'<br>'A' or 'Date'<br>'D' or 'Date Time'<br>'P' or 'Pick List' (Default)<br>'T' or 'Text' |
| PROPORTIONAL | 1       | ASCII / CAPS | Optional<br>'Y'<br>'N' (Default)  |
| UNITCODE     | 4       | ASCII / CAPS | Optional  |
| NUMDPS       | 3 (3,0) | Numeric      | Optional – defaults to 0  |
| MAXWIDTH     | 6 (6,0) | Numeric      | Optional – defaults to 0  |
| CASE         | 1       | ASCII / CAPS | Optional<br>'A' or 'All' (Default)<br>'U' or 'Upper'<br>'L' or 'Lower'  |

### Attribute Values (Optional)

| Field    | Size      | Type         | Comment                         |
|----------|-----------|--------------|---------------------------------|
| ATTRCODE | 4         | ASCII / CAPS |                                 |
| VALCODE  | 4         | ASCII / CAPS | Unique within attribute type    |
| VALNAME  | 30        | ASCII        |                                 |
| ORDER    | 11 (11,0) | Numeric      | Optional – defaults to 0        |
| VALMIN   | 17 (11,6) | Numeric      | Optional – defaults to 0        |
| VALMAX   | 17 (11,6) | Numeric      | Optional – defaults to 0        |
| VALNOM   | 17 (11,6) | Numeric      | Optional – defaults to 0        |
| INACTIVE | 1         | ASCII / CAPS | Optional – 'Y' or 'N' (Default) |
| WARN     | 1         | ASCII / CAPS | Optional – 'Y' or 'N' (Default) |

| Field         | Size | Type         | Comment                              |
|---------------|------|--------------|--------------------------------------|
| STATUS UPDATE | 1    | ASCII / CAPS | Optional – 'Y', 'N' or 'X' (Default) |

### Group Attributes (Optional)

| Field    | Size | Type         | Comment                     |
|----------|------|--------------|-----------------------------|
| FEATGRP  | 4    | ASCII / CAPS |                             |
| ATTRCODE | 4    | ASCII / CAPS |                             |
| ONORDER  | 1    | ASCII / CAPS | Optional – defaults to 'No' |

**Note:** Only Pick List and Text Attribute Types may be linked to a Feature level Feature Group. Any Attribute Type may be linked to an Inventory level Feature Group.

### Observation Lookups

Observation lookups are imported as **Tab or Comma Delimited Files with a Header Row**.

Observation Parameters and Observation Parameter Options must be imported together i.e. you cannot import Observation Parameter Options for existing Observation Parameters already in the database.

### Impacts (Optional)

| Field   | Size | Type         | Comment |
|---------|------|--------------|---------|
| IMPCODE | 4    | ASCII / CAPS | Unique  |
| IMPNAME | 30   | ASCII        |         |

### Observation Parameters (Optional)

If supplied, Observation Parameter Options must be as well.

| Field        | Size    | Type         | Comment                       |
|--------------|---------|--------------|-------------------------------|
| OBSPARAMCODE | 4       | ASCII / CAPS | Unique                        |
| OBSPARAMNAME | 30      | ASCII        |                               |
| UNITCODE     | 4       | ASCII / CAPS | Optional                      |
| PERCFLAG     | 1       | ASCII        | Optional – defaults to "No"   |
| AGGRFLAG     | 1       | ASCII        | Optional – defaults to "No"   |
| DESC         | 32000   | ASCII        | Optional                      |
| DEFFACT      | 8 (6.2) | Numeric      | Optional – defaults to 1      |
| DEFDIM       | 1       | ASCII / CAPS | Optional – defaults to "None" |
| NAVALUE      | 4       | ASCII / CAPS |                               |

**Observation Parameter Options (Optional)**

If supplied, Observation Parameters must be as well.

| Field        | Size     | Type         | Comment                       |
|--------------|----------|--------------|-------------------------------|
| OBSPARAMCODE | 4        | ASCII / CAPS | Unique                        |
| OPTCODE      | 4        | ASCII / CAPS |                               |
| OPTNAME      | 30       | ASCII        | Optional                      |
| DESC         | 32000    | ASCII        | Optional                      |
| DEFVAL       | 12 (8.4) | Numeric      | Optional – defaults to 1      |
| OPTMIN       | 12 (8.4) | Numeric      | Optional – defaults to "None" |
| OPTMAX       | 12 (8.4) | Numeric      |                               |

**Observation Types (Optional)**

| Field        | Size    | Type         | Comment                                       |
|--------------|---------|--------------|---|
| OBSCODE      | 6       | ASCII / CAPS | Unique  |
| OBSNAME      | 30      | ASCII        |   |
| DESC         | 32000   | ASCII        | Mandatory                                     |
| DEADFLAG     | 1       | ASCII        | Optional – defaults to "No"                   |
| BRKFLAG      | 1       | ASCII        | Optional – defaults to "No"                   |
| ZEROFLAG     | 1       | ASCII        | Optional – defaults to "Yes"                  |
| ORDER        | 4 (4.0) | Numeric      | Optional                                      |
| AGGMETHOD    | 1       | ASCII        | Optional – defaults to "Length Weighted Mean" |
| CONDASS      | 1       | ASCII        | Optional – defaults to "Yes"                  |
| OBSPARAMCODE | 4       | ASCII / CAPS |   |
| IMPCODE      | 4       | ASCII / CAPS |   |
| FAILMODE     | 1       | ASCII        | Optional – defaults to "No"                   |

**Observation Type Feature Groups (Optional)**

| Field     | Size    | Type         | Comment                     |
|-----------|---------|--------------|-----------------------------|
| OBSCODE   | 6       | ASCII / CAPS |                             |
| FEATGRP   | 4       | ASCII / CAPS |                             |
| WEIGHTING | 8 (4.4) | Numeric      | Optional                    |
| DEFCODE   | 6       | ASCII / CAPS | Optional                    |
| DEFVER    | 4 (4.0) | Numeric      | Optional                    |
| SEVLEVEL  | 4 (4.0) | Numeric      | Optional                    |
| SEVDEF    | 1       | ASCII / CAPS | Optional – defaults to "No" |

## Features

Features and Feature Measurements are imported as **Tab Delimited Files with No Header Row**.

This utility can be used to create new Features but cannot be used to update existing Features.

For each Feature imported, default Attributes, Conditions, Dates, Measures, and Smart Attributes are created. Each default is inherited from the Feature Group of the imported Feature. Measurements are only created where they are not supplied within the optional Measurement file.

For each Feature imported, all applicable Regimes – which do not have a different Classification set from that of the Feature - are allocated from the Feature Type.

### Features

| Field                    | Size     | Type         | Comment                             |
|--------------------------|----------|--------------|-------------------------------------|
| Site code                | 10       | ASCII / CAPS |                                     |
| Plot number              | 10 (8.2) | Numeric      | Unique within a Site code           |
| Feature Type code        | 4        | ASCII / CAPS |                                     |
| Site Classification code | 4        | ASCII / CAPS |                                     |
| Customer code            | 4        | ASCII / CAPS |                                     |
| Cost code                | 15       | ASCII / CAPS |                                     |
| Area code                | 4        | ASCII / CAPS |                                     |
| Ward code                | 4        | ASCII / CAPS |                                     |
| Contract Area code       | 4        | ASCII / CAPS |                                     |
| Extent 1 Easting         | 10 (8.2) | Numeric      | Optional                            |
| Extent 1 Northing        | 10 (8.2) | Numeric      | Optional                            |
| Extent 1 Altitude        | 10 (8.2) | Numeric      | Optional                            |
| Extent 2 Easting         | 10 (8.2) | Numeric      | Optional                            |
| Extent 2 Northing        | 10 (8.2) | Numeric      | Optional                            |
| Extent 2 Altitude        | 10 (8.2) | Numeric      | Optional                            |
| Centroid Easting         | 10 (8.2) | Numeric      | Optional                            |
| Centroid Northing        | 10 (8.2) | Numeric      | Optional                            |
| Centroid Altitude        | 10 (8.2) | Numeric      | Optional                            |
| External Asset Ref.      | 20       | ASCII        | Optional                            |
| Feature location         | Variable | ASCII        | Optional                            |
| Feature notes            | Variable | ASCII        | Optional                            |
| Survey date              |          | Date         | Optional                            |
| Primary measurement      | 10(8.2)  | Numeric      | Optional                            |
| Central Asset ID         | 20       | ASCII / CAPS | Optional                            |
| Hierarchy Level Code     | 2(2.0)   | Numeric      | Optional, not automatically created |
| Property ID              | 20       | ASCII / CAPS | Optional                            |
| Feature ID               | 15       | ASCII / CAPS | Optional                            |

| Field               | Size | Type         | Comment                             |
|---------------------|------|--------------|-------------------------------------|
| Asset Category Code | 4    | ASCII / CAPS | Optional                            |
| Asset Control Type  | 4    | ASCII / CAPS | Optional, not automatically created |
| Function Code       | 4    | ASCII / CAPS | Optional, not automatically created |
| Active from date    |      | Date         | Optional                            |
| Active to date      |      | Date         | Optional                            |

The External Asset Ref. allows cross-referencing to another Asset register that is not able to use the same Asset identification technique used by Confirm.

If the Central Asset ID is not supplied, then Confirm will assign a unique ID to the asset on import.

The hierarchy level determines the level of the asset in the hierarchical data model (1 being the top, 99 the bottom). Steps of 10 are recommended.

When a feature being imported is a point feature the spatial geometry will be updated, provided that geometry is also a point.

#### Feature Measurements (Optional)

| Field                 | Size     | Type         | Comment |
|-----------------------|----------|--------------|---------|
| Site code             | 10       | ASCII / CAPS | Unique  |
| Plot number           | 10 (8.2) | Numeric      | Unique  |
| Measurement Type code | 4        | ASCII / CAPS | Unique  |
| Measurement           | 10(8.2)  | Numeric      |         |

**Note:** If an unrecognized Measurement Type is encountered, it will be created automatically, with a corresponding Unit of Measure if necessary. Importing Feature Measurements does NOT automatically add Measurement Types to the Feature Group.

#### Feature Text Attributes

Feature Text Attributes are imported as **Tab Delimited Files with No Header Row**.

Attribute Types and Values must already exist in Confirm, otherwise the import will be rejected.

| Field                | Size     | Type         | Comment |
|----------------------|----------|--------------|---------|
| Site code            | 10       | ASCII / CAPS | Unique  |
| Plot number          | 10 (8.2) | Numeric      | Unique  |
| Attribute Type Code  | 4        | ASCII / CAPS | Unique  |
| Attribute Value Code | 4        | ASCII / CAPS |         |
| Attribute Notes      | 2000     | ASCII        |         |

## Feature Smart Attributes

Feature Smart Attributes and related lookups are imported as **Tab Delimited Files with No Header Row**.

### Feature Smart Attributes

| Field            | Size     | Type         | Comment |
|------------------|----------|--------------|---------|
| Site code        | 10       | ASCII / CAPS | Unique  |
| Plot Number      | 10 (8.2) | Numeric      | Unique  |
| Smart Type code  | 4        | ASCII / CAPS |         |
| Smart Value code | 10       | ASCII / CAPS |         |

### Group Smart Attributes (Optional)

| Field                     | Size | Type         | Comment |
|---------------------------|------|--------------|---------|
| Feature Group code        | 4    | ASCII / CAPS | Unique  |
| Smart Attribute Type code | 4    | ASCII / CAPS | Unique  |

### Smart Attribute Types (Optional)

| Field                      | Size     | Type         | Comment  |
|----------------------------|----------|--------------|----------|
| Smart Type code            | 4        | ASCII / CAPS | Unique   |
| Smart Type name            | 30       | ASCII        | Unique   |
| N/A Smart Type             | 10       | ASCII / CAPS |          |
| Smart Attribute Value name | 30       | ASCII        |          |
| Smart Type display order   | 10 (8.2) | Numeric      |          |
| Attribute Type 1           | 4        | ASCII / CAPS | Optional |
| Attribute Type 2           | 4        | ASCII / CAPS | Optional |
| Attribute Type 3           | 4        | ASCII / CAPS | Optional |
| Attribute Type 4           | 4        | ASCII / CAPS | Optional |
| Attribute Type 5           | 4        | ASCII / CAPS | Optional |
| Measurement code           | 4        | ASCII / CAPS | Optional |

### Smart Attribute Values (Optional)

| Field           | Size | Type         | Comment |
|-----------------|------|--------------|---------|
| Smart Type code | 4    | ASCII / CAPS | Unique  |

| Field             | Size     | Type         | Comment |
|-------------------|----------|--------------|---------|
| Smart Value code  | 4        | ASCII / CAPS | Unique  |
| Smart Value name  | 30       | ASCII        |         |
| Smart Value notes | 255      | ASCII        |         |
| Smart Type name   | 30       | ASCII        |         |
| Measurement value | 10 (8.2) | Numeric      |         |

## Feature Dates

Feature Dates and related lookups are imported as **Tab Delimited Files with No Header Row**.

### Feature Dates

| Field          | Size     | Type         | Comment |
|----------------|----------|--------------|---------|
| Site code      | 10       | ASCII / CAPS | Unique  |
| Plot Number    | 10 (8.2) | Numeric      | Unique  |
| Date Type Code | 4        | ASCII / CAPS | Unique  |
| Feature Date   |          | Date         |         |

### Group Dates (Optional)

| Field              | Size | Type         | Comment |
|--------------------|------|--------------|---------|
| Feature Group name | 30   | ASCII        | Unique  |
| Feature Group code | 4    | ASCII / CAPS | Unique  |
| Date Type code     | 4    | ASCII / CAPS | Unique  |

### Date Types (Optional)

| Field          | Size | Type         | Comment |
|----------------|------|--------------|---------|
| Date Type code | 4    | ASCII / CAPS | Unique  |
| Date Type name | 30   | ASCII        | Unique  |

## Connection Modes

Connection Modes are imported as **Tab Delimited Files with No Header Row**.

| Field                | Size | Type         | Comment |
|----------------------|------|--------------|---------|
| Connection Mode Code | 4    | ASCII / CAPS | Unique  |
| Connection Mode Name | 30   | ASCII        |         |

| Field              | Size | Type         | Comment                      |
|--------------------|------|--------------|------------------------------|
| Opposite Mode Code | 4    | ASCII / CAPS | Must not be an existing Mode |
| Opposite Mode Name | 30   | ASCII        |                              |

## Asset Connections

Asset Connections are imported as **Tab Delimited Files with No Header Row**.

Note that only one side of the connection should be supplied, the opposite connection will be created automatically.

| Field                | Size | Type         | Comment |
|----------------------|------|--------------|---------|
| Central Asset ID     | 20   | ASCII / CAPS | Unique  |
| Connects to Asset ID | 20   | ASCII / CAPS | Unique  |
| Connection Mode      | 4    | ASCII / CAPS |         |

## Asset Hierarchy

Asset Hierarchy is imported as **Tab Delimited Files with No Header Row**.

Note that relationships can only be created between assets that have their hierarchy level set.

| Field             | Size | Type         | Comment |
|-------------------|------|--------------|---------|
| Central Asset ID  | 20   | ASCII / CAPS | Unique  |
| Contains Asset ID | 20   | ASCII / CAPS | Unique  |

## Maintenance Regimes

Maintenance Regimes and related lookups are imported as **Tab Delimited Files with No Header Row**.

### Maintenance Regimes

| Field         | Size | Type         | Comment   |
|---------------|------|--------------|---|
| Regime code   | 6    | ASCII / CAPS | Unique  |
| Regime name   | 50   | ASCII        | May be duplicated in the file if a regime has more than one SOR Item  |
| Regime type   | 1    | ASCII / CAPS | W = Routine (default)<br>J = Cyclic<br><br><b>Note:</b> It is not currently possible to import Repeating Regimes. |
| SOR Item code | 8    | ASCII / CAPS | Unique  |

| Field               | Size     | Type         | Comment                      |
|---------------------|----------|--------------|------------------------------|
| Factor Flag         | 1        | ASCII / CAPS | Y/N (default = N)            |
| Factor Value        | 12 (8.4) | Numeric      | Can be omitted (default = 1) |
| Measurement code    | 4        | ASCII / CAPS |                              |
| Period 1 Occasions  | 3 (3.0)  | Numeric      | Can be zero                  |
| Period 2 Occasions  | 3 (3.0)  | Numeric      | Can be zero                  |
| Period 3 Occasions  | 3 (3.0)  | Numeric      | Can be zero                  |
| Period 4 Occasions  | 3 (3.0)  | Numeric      | Can be zero                  |
| Period 5 Occasions  | 3 (3.0)  | Numeric      | Can be zero                  |
| Period 6 Occasions  | 3 (3.0)  | Numeric      | Can be zero                  |
| Period 7 Occasions  | 3 (3.0)  | Numeric      | Can be zero                  |
| Period 8 Occasions  | 3 (3.0)  | Numeric      | Can be zero                  |
| Period 9 Occasions  | 3 (3.0)  | Numeric      | Can be zero                  |
| Period 10 Occasions | 3 (3.0)  | Numeric      | Can be zero                  |
| Period 11 Occasions | 3 (3.0)  | Numeric      | Can be zero                  |
| Period 12 Occasions | 3 (3.0)  | Numeric      | Can be zero                  |
| Period 13 Occasions | 3 (3.0)  | Numeric      | Can be zero                  |

### Regime Weeks (Optional)

| Field         | Size    | Type         | Comment     |
|---------------|---------|--------------|-------------|
| Regime code   | 6       | ASCII / CAPS | Unique      |
| SOR Item code | 8       | ASCII / CAPS | Unique      |
| Week Number   | 2 (2.0) | Numeric      | Unique      |
| Monday        | 1 (1.0) | Numeric      | Can be zero |
| Tuesday       | 1 (1.0) | Numeric      | Can be zero |
| Wednesday     | 1 (1.0) | Numeric      | Can be zero |
| Thursday      | 1 (1.0) | Numeric      | Can be zero |
| Friday        | 1 (1.0) | Numeric      | Can be zero |
| Saturday      | 1 (1.0) | Numeric      | Can be zero |
| Sunday        | 1 (1.0) | Numeric      | Can be zero |
| Week Total    | 2 (2.0) | Numeric      | Can be zero |

### Contractors

Contractors are imported as **Tab or Comma Delimited Files with a Header Row**.

| Field | Size | Type      | Comment   |
|-------|------|-----------|-----------|
| Code  | 6    | Character | Mandatory |

| Field                  | Size | Type      | Comment   |
|------------------------|------|-----------|-----------|
| Name                   | 50   | Character | Mandatory |
| Notes                  | 2000 | Character |           |
| Import Dir             | 55   | Character |           |
| Export Dir             | 55   | Character |           |
| Interface Type         | 4    | Character |           |
| Gang Code              | 4    | Character |           |
| Contractor Parent Code | 6    | Character |           |
| Work Value Limit       | 10.2 | Numeric   |           |
| Disqualified Flag      | 1    | Character |           |
| Vendor ID              | 20   | Character |           |
| Vendor Division ID     | 20   | Character |           |
| Contact Name           | 50   | Character | Mandatory |
| Contact Title          | 8    | Character |           |
| Contact Forename       | 40   | Character |           |
| Phone 1                | 20   | Character |           |
| Phone 2                | 20   | Character |           |
| Fax                    | 20   | Character |           |
| Email                  | 100  | Character |           |
| Contact Reference      | 20   | Character |           |
| Customer Type          | 4    | Character |           |
| Sub-Building           | 60   | Character |           |
| Property               | 20   | Character |           |
| Street                 | 100  | Character |           |
| Locality               | 35   | Character |           |
| Town                   | 35   | Character |           |
| County                 | 35   | Character |           |
| Post Code              | 10   | Character |           |
| Append Address         | 1    | Character |           |
| Tax Status Code        | 4    | Character | Mandatory |

### Contractor Bids

Contractor Bids are imported as **Tab Delimited Files with No Header Row**.

| Field             | Size | Type         | Comment  |
|-------------------|------|--------------|----------|
| Price Factor Code | 4    | ASCII / CAPS |          |
| Site Code         | 10   | ASCII / CAPS | Optional |
| SOR Item Code     | 8    | ASCII / CAPS | Unique   |

| Field    | Size     | Type    | Comment     |
|----------|----------|---------|-------------|
| Bid Rate | 12 (8.4) | Numeric | Can be Zero |

## Contract BOQ

Contract BOQs are imported as **Tab or Comma Delimited Files with a Header Row**.

Import Contract BOQ allows the importing of BOQ items and prices directly into the Contract Rates library. This may be done for:

- Un-awarded contracts where no bidding contractor is entered on the Bidding Contractors tab of the Contract
- Awarded Contracts

For un-awarded Contracts the BOQ SOR items and rates will be transferred to the Bidding Contractor as Bid Items and Bids when a Bidding Contractor is added.

Where there is no existing BOQ Item, one will be inserted; and where there is an existing BOQ, the rate will be updated.

When a Site BOQ is being imported, a Contract BOQ Item must already exist or be in the import file.

Price Factors which are based on another Price Factor cannot be imported - however, these will be updated in line with changes in rate of the Base Price Factor as a result of the import.

| Field        | Size     | Type         | Comment     |
|--------------|----------|--------------|-------------|
| Price Factor | 4        | ASCII / CAPS |             |
| Site         | 10       | ASCII / CAPS | Optional    |
| SOR Item     | 8        | ASCII / CAPS | Unique      |
| Rate         | 12 (8.4) | Numeric      | Can be Zero |

## Jobs

Jobs, Job Items and Job Status Logs are imported as **Tab or Comma Delimited Files with a Header Row**.

The Import Jobs utility can only be used to import new Jobs into Confirm, but not to update existing Jobs.

All imported Jobs will have a uncommitted status and can then be processed as any other manually entered Job.

If historical Jobs are being imported set their current Job Status to a completed one. They can then be archived from within Confirm.

Every Job must have at least one Job Item (and can have up to 9,999 Job Items). If a Job doesn't have any Items it will not be imported.

The current (most recent) status of the Job will be specified in the Job file. In addition an optional Job Status file can be used to document the progression of a Job's status over time.

**Jobs**

| <b>Field</b>        | <b>Size</b> | <b>Type</b>  | <b>Comment</b>   |
|---------------------|-------------|--------------|--|
| Job Number          | 8 (8.0)     | Numeric      | Compulsory, must be unique (see Note below)  |
| Site Code           | 10          | ASCII / CAPS | Compulsory   |
| Plot Number         | 10 (8.2)    | Numeric      | Compulsory   |
| Description         | 2000        | ASCII        |  |
| Work Location       | 2000        | ASCII        |  |
| Cost Code           | 15          | ASCII / CAPS |  |
| Priority            | 4           | ASCII / CAPS | Compulsory   |
| Price Factor        | 4           | ASCII / CAPS | Compulsory   |
| Customer Ref        | 20          | ASCII / CAPS |  |
| Customer Code       | 4           | ASCII / CAPS | Compulsory   |
| Contract Code       | 6           | ASCII / CAPS |  |
| Entry Date          |             | DateTime     | Compulsory   |
| Start Date          |             | DateTime     |  |
| Est Completion Date |             | DateTime     |  |
| Act Completion Date |             | DateTime     |  |
| Easting             | 10 (8.2)    | Numeric      |  |
| Northing            | 10 (8.2)    | Numeric      |  |
| Altitude            | 10 (8.2)    | Numeric      |  |
| From Distance       | 8 (6.2)     | Numeric      |  |
| To Distance         | 8 (6.2)     | Numeric      |  |
| XSP                 | 6           | ASCII / CAPS |  |
| Partial Payments    | 1           | ASCII / CAPS | Compulsory, 'Y' or 'N'   |
| Status Code         | 4           | ASCII / CAPS | Compulsory   |
| Login Name          | 10          | ASCII / CAPS | Compulsory   |
| Allocated Officer   | 4           | ASCII / CAPS | Compulsory   |
| Effective Date      |             | DateTime     | Compulsory   |
| Follow Up Code      | 4           | ASCII / CAPS | Can be supplied if the Job Status is an Outstanding one, otherwise will be ignored and a warning shown   |
| Follow Up Date      |             | DateTime     | Required if the Job Status is an outstanding one. However can be left blank if a Follow Up Code is supplied, in which case the date will be calculated using the Follow Up Code and Effective Date |
| Status Desc         | 2000        | ASCII        |  |

**Note:** The imported Job Number cannot be the same as an existing Job within CONFIRM and cannot be within the range of existing Work Group Asset Maintenance Seed Numbers (Job Seed Numbers).

**Note:** The Effective Date is the date when the Job Status is effective from.

### Job Items

| Field           | Size     | Type         | Comment                                   |
|-----------------|----------|--------------|---|
| Job Number      | 8 (8.0)  | Numeric      | Compulsory                                |
| Job Item Number | 4 (4.0)  | Numeric      | Compulsory, must be unique within the Job |
| SOR Item Code   | 8        | ASCII / CAPS | Compulsory                                |
| Cost Code       | 15       | ASCII / CAPS | Compulsory                                |
| Quantity        | 10 (8.2) | Numeric      | Compulsory                                |
| Notes           | Variable | ASCII        |   |
| Width           | 8 (6.2)  | Numeric      | Optional, defaults to zero                |
| Length          | 8 (6.2)  | Numeric      | Optional, defaults to zero                |
| Depth           | 8 (6.2)  | Numeric      | Optional, defaults to zero                |

**Note:** The Job Item Number is usually numbered in increments of ten (i.e. 10, 20, 30, etc...). Note also that Item Number 9999 is reserved by Confirm and so cannot be used here.

**Note:** For SOR Items whose measurement uses any of these qualities then these fields can be used to give a breakdown of how the Quantity is arrived at. However these fields will not be verified by the import process.

### Job Status Logs

| Field                 | Size    | Type         | Comment  |
|-----------------------|---------|--------------|--|
| Job Number            | 8 (8.0) | Numeric      | Compulsory   |
| Job Status Log Number | 4 (4.0) | Numeric      | Compulsory, must be unique within the Job  |
| Status Code           | 4       | ASCII / CAPS | Compulsory   |
| Login Name            | 10      | ASCII / CAPS | Compulsory   |
| Allocated Officer     | 4       | ASCII / CAPS | Compulsory   |
| Effective Date        |         | DateTime     | Compulsory   |
| Follow Up Code        | 4       | ASCII        | Can be supplied if the Job Status is an Outstanding one, otherwise will be ignored and a warning shown   |
| Follow Up Date        |         | DateTime     | Required if the Job Status is an outstanding one. However can be left blank if a Follow Up Code is supplied, in which case the date will be calculated |

| Field       | Size | Type  | Comment                                     |
|-------------|------|-------|---|
| Status Desc | 2000 | ASCII | using the Follow Up Code and Effective Date |

**Note:** The Job Status Log Number (as well as being unique for each Job) should be sequenced so that the Job's first status has the lowest number for the Job (1) and the status immediately prior to the most recent status has the highest number for the Job (remembering that the most recent status is that specified in the Job file).

## Contacts Import

Contacts are imported as **Tab or Comma Delimited Files with a Header Row.**

| Field              | Size | Type         | Comment  |
|--------------------|------|--------------|--|
| Contact Name       | 50   | ASCII / CAPS | Mandatory  |
| Contact Title      | 8    | ASCII        |  |
| Contact Forename   | 40   | ASCII        |  |
| Contact Phone 1    | 20   | ASCII / CAPS |  |
| Contact Phone 2    | 20   | ASCII / CAPS |  |
| Contact Fax        | 20   | ASCII / CAPS |  |
| Email Address      | 40   | ASCII        |  |
| Property Address   | 60   | ASCII        |  |
| Street Description | 60   | ASCII        |  |
| Locality Name      | 35   | ASCII        |  |
| Town Name          | 35   | ASCII        |  |
| County Name        | 35   | ASCII        |  |
| Post Code          | 8    | ASCII        |  |
| Append Site        | 1    | ASCII        | Y or N (defaults to Y if not supplied). If set to "Y" then the Street Description is appended to the Property Address when displayed (as for a house number) |
| Contact Reference  | 20   | ASCII        | See below  |
| Property Reference | 20   | ASCII        | Must equate to a valid Property in Confirm if supplied   |
| Cust Type Code     | 4    | ASCII / CAPS | Must equate to a valid Customer Type in Confirm if supplied  |

**Note:** If the Contact Reference is supplied, this utility will update the details for an existing Contact in the Confirm database where a match is found, and add a new contact where the reference does not currently exist. When updating an existing contact, only those columns supplied

in the data file are updated - other columns are left unchanged. If no reference is supplied, then the utility will always generate a new Contact record, even if all of the supplied details match an existing contact in Confirm.

## Inventory Lookups

Inventory lookups are imported as **Tab or Comma Delimited Files with a Header Row**.

### Inventory Types

| Field    | Size | Type      | Comment   |
|----------|------|-----------|---|
| INVTYPE  | 4    | Character | Mandatory   |
| INVNAME  | 30   | Character | Mandatory   |
| ITEMTYPE | 1    | Character | Mandatory   |
|          |      |           | <ul style="list-style-type: none"> <li>• N – No Distance or Width</li> <li>• X – Point (No Width)</li> <li>• P – Point (Width)</li> <li>• T – Linear (No Width)</li> <li>• L – Linear (Width)</li> <li>• R – Area (One Width)</li> <li>• A – Area (Two Widths)</li> </ul> |
| WIDPRIOR | 6.0  | Numeric   |   |
| LANELOC  | 1    | Character | Mandatory   |
| MULTIMIN | 1    | Character | Defaults to "N" (No)  |
| MLTALLOW | 1    | Character | Defaults to "N" (No)  |
| USRMEAS  | 1    | Character | Defaults to "N" (No)  |
| GROUP    | 4    | Character | Mandatory. Must be an existing Feature Group  |
| TAB NAME | 50   | Character | Mandatory. Can be an existing or new Tab on the Feature Group   |

### Feature Group Transformations

| Field     | Size | Type      | Comment  |
|-----------|------|-----------|--|
| FEATGRP   | 4    | Character | Mandatory. Must be a Feature Group already in the database |
| TRANSGRP  | 4    | Character | Mandatory. Must be a Feature Group already in the database |
| TRANSFLAG | 1    | Character | Defaults to "X" (Not Allowed)                              |

**Inventory Widths**

| Field    | Size | Type      | Comment   |
|----------|------|-----------|---|
| INVTTYPE | 4    | Character | Mandatory   |
| FEATTYPE | 4    | Character | Mandatory. Must be a section feature type already in the database |
| DEFWIDTH | 6.2  | Numeric   | Mandatory   |

**XSPs**

| Field      | Size | Type      | Comment                          |
|------------|------|-----------|----------------------------------|
| XSPCODE    | 6    | Character | Mandatory                        |
| XSPNAME    | 30   | Character | Mandatory                        |
| MODEL      | 1    | Character | Defaults to "F" (Full Model)     |
| TRANSVERSE | 1    | Character | Defaults to "N" (Not Transverse) |
| REVERSE    | 6    | Character | Mandatory                        |
| OFFSET     | 6.0  | Numeric   | Defaults to 0                    |
| CWAYFLAG   | 1    | Character | Defaults to 1 (On Carriageway)   |
| MINIMAL    | 6    | Character | Mandatory                        |

**Survey Types**

Survey Types are imported as **Tab or Comma Delimited Files with a Header Row**.

Survey Type Feature Groups and Survey Type Observation Types are not applicable to Process Types whereas Survey Type Processes are only applicable to Process Types.

**Survey Types**

If THROBS or THRFEAT are specified then both of them must be. The Threshold Observation Type must be a valid Survey Type Observation and the Threshold Feature Group must be a valid Survey Type Feature Group. These two values must also be compatible i.e. a valid Observation Type Feature Group record exists.

| Field    | Size | Type      | Comment              |
|----------|------|-----------|----------------------|
| SURVCODE | 6    | Character | Mandatory. Unique    |
| VERSION  | 4.0  | Numeric   | Mandatory            |
| SURVNAME | 30   | Character | Mandatory            |
| DETAIL   | 1    | Character | Mandatory            |
| SOURCE   | 1    | Character | Mandatory            |
| DEAD     | 1    | Character | Defaults to "N" (No) |

| Field   | Size | Type      | Comment              |
|---------|------|-----------|----------------------|
| THROBS  | 6    | Character | See note above       |
| THRFEAT | 4    | Character | See note above       |
| ABSTOL  | 5.0  | Numeric   |                      |
| PERTOL  | 5.0  | Numeric   |                      |
| TRIM    | 1    | Character | Defaults to "N" (No) |

### Survey Type Feature Groups

| Field    | Size | Type      | Comment  |
|----------|------|-----------|--|
| SURVCODE | 6    | Character | Mandatory  |
| EATGRP   | 4    | Character | Mandatory. Must be a feature group already in the database |

### Survey Type Observations

| Field    | Size | Type      | Comment  |
|----------|------|-----------|--|
| SURVCODE | 6    | Character | Mandatory  |
| OBSCODE  | 6    | Character | Mandatory. Must be an observation type already in the database |

### Survey Type Processes

| Field     | Size | Type      | Comment  |
|-----------|------|-----------|--|
| SURVCODE  | 6    | Character | Mandatory  |
| PROCSTAGE | 8.0  | Numeric   | Mandatory. Unique within Survey Type                         |
| RSETCODE  | 4    | Character | Must be a rule set already in the database                   |
| PROCTYPE  | 4    | Character | Mandatory. If INDX or TREA then RSETCODE must be a specified |
| CREATEDS  | 1    | Character | Defaults to "N" (No)   |

### Network Translations

Network Translations are imported as **Tab or Comma Delimited Files with a Header Row**.

**Network**

Should contain codes and names for all new Networks. The base Network record cannot be imported from a file.

| Field   | Size | Type      | Comment   |
|---------|------|-----------|---|
| NETCODE | 6    | Character | Mandatory. Must be unique in file and not exist already |
| NETNAME | 50   | Character | Mandatory   |

**Network Section**

This can contain Network Sections for new Networks, and also new Network Sections for existing non-base Networks.

The Network Section Code must be unique within a Network, although two Network Sections on different Networks may share the same code.

| Field       | Size | Type      | Comment  |
|-------------|------|-----------|--|
| NETCODE     | 6    | Character | Mandatory. Must be in the Network file or the database |
| EXTSECT     | 20   | Character | Mandatory  |
| DESCRIPTION | 50   | Character |  |
| LENGTH      | 8.2  | Numeric   | Mandatory  |

**Network Section Link**

The Network and Network Section Code combination must correspond to a record in the Network Section import file. It is not possible to import new Network Section Links to a Network Section already in the database.

The SECTLAB specified must uniquely identify a live Base Network Section within the database. The system checks for overlaps within the import files and in the database if importing to an already existing Network.

| Field    | Size | Type      | Comment                                      |
|----------|------|-----------|--|
| NETCODE  | 6    | Character | Mandatory. Must be in Section file           |
| EXTSECT  | 20   | Character | Mandatory. Must be in Section file           |
| EXTFROM  | 8.2  | Numeric   | Mandatory                                    |
| EXTTO    | 8.2  | Numeric   | Mandatory                                    |
| SECTLAB  | 15   | Character | Mandatory. Must identify an existing section |
| BASEFROM | 8.2  | Numeric   | Mandatory                                    |
| BASETO   | 8.2  | Numeric   | Mandatory                                    |

## Data Analysis Rule Sets

Data Analysis Rule Sets are imported as **Tab or Comma Delimited Files with a Header Row.**

### Rule Sets

| Field    | Size | Type      | Comment               |
|----------|------|-----------|-----------------------|
| RSETCODE | 4    | Character | Mandatory             |
| RSETNAME | 30   | Character | Mandatory             |
| VERSION  | 4.0  | Numeric   | Defaults to 1         |
| NOTES    | 2000 | Character |                       |
| DEAD     | 1    | Character | Defaults to "N" (No)  |
| CHOP     | 1    | Character | Defaults to "Y" (Yes) |
| CARRY    | 1    | Character | Defaults to "Y" (Yes) |
| TYPE     | 1    | Character | Mandatory             |

### Rule Set Constants

| Field     | Size | Type      | Comment   |
|-----------|------|-----------|-----------|
| RSETCODE  | 4    | Character | Mandatory |
| CONSTCODE | 8    | Character | Mandatory |
| CONSTNAME | 30   | Character | Mandatory |
| CONSTVAL  | 8.4  | Numeric   | Mandatory |

### Transforms

Transform and Transform Points must be imported together i.e. you cannot import Transform Points for existing Transforms already in the database.

| Field     | Size | Type      | Comment   |
|-----------|------|-----------|-----------|
| TRANSNAME | 30   | Character | Mandatory |
| DESC      | 2000 | Character |           |

### Transform Points

| Field      | Size | Type      | Comment       |
|------------|------|-----------|---------------|
| TRANSNAME  | 6    | Character | Mandatory     |
| TRANSPTSEQ | 4.0  | Numeric   | Mandatory     |
| TRANSPTX   | 8.4  | Numeric   | Defaults to 0 |
| TRANSPTY   | 8.4  | Numeric   | Defaults to 0 |

### Index Rules

Index Rules, Index Calculations and Index Rule Applicability must be imported together.

| Field    | Size | Type      | Comment  |
|----------|------|-----------|--|
| RSETCODE | 4    | Character | Mandatory. Must be an Index Rule Set                           |
| INDNAME  | 30   | Character | Mandatory. Unique within Rule Set                              |
| DESC     | 2000 | Character |  |
| OBSCODE  | 6    | Character | Mandatory. Must be an observation type already in the database |
| COMBIN   | 1    | Character | Defaults to "M" (Maximum)                                      |

### Index Calculations

Index Rules, Index Calculations and Index Rule Applicability must be imported together.

| Field     | Size | Type      | Comment       |
|-----------|------|-----------|---------------|
| RSETCODE  | 4    | Character | Mandatory     |
| INDNAME   | 30   | Character | Mandatory     |
| TRANSNAME | 30   | Character |               |
| PRIORGRP  | 1.0  | Numeric   | Defaults to 1 |
| CALCTXT   | 255  | Character |               |

### Index Rule Applicability

Index Rules, Index Calculations and Index Rule Applicability must be imported together.

| Field    | Size | Type      | Comment  |
|----------|------|-----------|--|
| RSETCODE | 4    | Character | Mandatory  |
| INDNAME  | 30   | Character | Mandatory  |
| FEATGRP  | 4    | Character | Mandatory. Must be a feature group already in the database |

### Treatment Rules

Treatment Rules, Treatment Rule Lines, and Treatment Rule applicability must be imported together.

| Field    | Size | Type      | Comment                              |
|----------|------|-----------|--------------------------------------|
| RSETCODE | 4    | Character | Mandatory. Must be an Index Rule Set |
| TRTNAME  | 30   | Character | Mandatory. Unique within Rule Set    |

### Treatment Rule Lines

Treatment Rules, Treatment Rule Lines, and Treatment Rule applicability must be imported together.

| Field      | Size | Type      | Comment  |
|------------|------|-----------|--|
| RSETCODE   | 4    | Character | Mandatory  |
| TRTNAME    | 30   | Character | Mandatory  |
| SORGRPCODE | 4    | Character | Mandatory. Must be a SOR Group already in the database         |
| ORDER      |      | Numeric   | Mandatory  |
| NOTES      | 2000 | Character | Mandatory  |
| PRIORITY   | 4    | Character | Mandatory  |
| OBSCODE    | 6    | Character | Mandatory. Must be an Observation Type already in the database |
| TRANSNAME  | 30   | Character |  |
| LINETXT    | 255  | Character |  |

### Treatment Rule Feature Groups

Treatment Rules, Treatment Rule Lines, and Treatment Rule applicability must be imported together.

| Field    | Size | Type      | Comment  |
|----------|------|-----------|--|
| RSETCODE | 4    | Character | Mandatory  |
| TRTNAME  | 30   | Character | Mandatory  |
| FEATGRP  | 4    | Character | Mandatory. Must be a feature group already in the database |

### Treatment Rule Site Classifications

Treatment Rules, Treatment Rule Lines, and Treatment Rule applicability must be imported together.

| Field       | Size | Type      | Comment  |
|-------------|------|-----------|--|
| RSETCODE    | 4    | Character | Mandatory  |
| TRTNAME     | 30   | Character | Mandatory  |
| SITECLACODE | 4    | Character | Mandatory. Must be a Site Classification already in the database |

### Data Analysis Projection Lookups

Projection lookups are imported as **Tab or Comma Delimited Files with a Header Row**.

**Effects of Treatment**

| Field        | Size | Type      | Comment  |
|--------------|------|-----------|--|
| RULESET      | 4    | Character | Mandatory. Must be a rule set already in the database      |
| SCHEDULE     | 4    | Character | Mandatory  |
| FEATGRP      | 4    | Character | Mandatory. Must be a feature group already in the database |
| IMPACT       | 4    | Character | Mandatory  |
| AGE          | 8.4  | Numeric   |  |
| ADDEDLIFE    | 8.4  | Numeric   |  |
| USEADDEDLIFE | 1    | Character | Mandatory. Y or N  |

**Feature Group after Treatment**

| Field    | Size | Type      | Comment  |
|----------|------|-----------|--|
| RULESET  | 4    | Character | Mandatory. Must be a rule set already in the database      |
| FEATGRP  | 4    | Character | Mandatory. Must be a feature group already in the database |
| SCHEDULE | 4    | Character | Mandatory  |
| AFTERGRP | 4    | Character | Mandatory. Must be a feature group already in the database |

**Projection Relationships**

| Field     | Size | Type      | Comment   |
|-----------|------|-----------|---|
| RULESET   | 4    | Character | Mandatory. Must be a rule set already in the database     |
| FEATGRP   | 4    | Character | Must be a feature group already in the database           |
| FEATTYPE  | 4    | Character |   |
| OBSTYPE   | 6    | Character |   |
| SITECLASS | 4    | Character |   |
| TRAFLEVEL | 4    | Character |   |
| URBAN     | 4    | Character |   |
| FWYTRAF   | 4    | Character |   |
| FWYOPEN   | 4    | Character |   |
| DRAIN     | 4    | Character |   |
| PROJTYPE  | 1    | Character | Mandatory. U for UKPMS projection and I for Interpolation |
| TRANSFORM | 30   | Character | Mandatory   |

| Field | Size | Type    | Comment |
|-------|------|---------|---------|
| AVAL  | 8.4  | Numeric |         |
| BVAL  | 8.4  | Numeric |         |
| CVAL  | 8.4  | Numeric |         |
| DVAL  | 8.4  | Numeric |         |

### Data Analysis Survey Treatments

Survey Treatments are imported as **Tab or Comma Delimited Files with a Header Row**.

#### Survey Treatments

| Field                  | Size | Type      | Comment   |
|------------------------|------|-----------|---|
| SECTLAB                | 20   | Character | Mandatory. Must identify a valid section in the database  |
| FEATGRP                | 4    | Character | Mandatory. Must be a feature group already in the database  |
| SORGRPCODE             | 4    | Character | Alternatively supply generic treatment, treatment type and treatment and the SORGRPCODE will be worked out automatically. |
| GENERIC TREATMENT      | 10   | Character |   |
| TREATMENT TYPE         | 10   | Character |   |
| TREATMENT              | 10   | Character |   |
| START CHAINAGE         | 8.2  | Numeric   |   |
| END CHAINAGE           | 8.2  | Numeric   |   |
| CROSS SECTION POSITION | 6    | Character |   |
| COSTCODE               | 15   | Character |   |
| WORKS COST             | 10.2 | Numeric   |   |
| DATE                   |      | Date      |   |
| SURVEY                 | 20   | Character | Must be a Data Analysis already in the database   |
| DATA SET               | 8.0  | Numeric   | Must be a Data Analysis data set already in the database  |

### Tab Delimited Files with No Header Row

Each of the entities specified must have its data supplied in a separate ASCII text file.

**Format**

The format of the files must be ASCII text, tab delimited at field level with each record delimited by the appropriate new-line character(s).

The order of the fields in each file must match the order in this specification.

The field lengths need not be as shown in the definition tables but any characters in excess of those specified will be truncated. In some cases a warning will be given if this happens.

Text qualifiers (“”) may be supplied if the data contains one of the delimiting characters.

**Key Fields**

Key fields must be unique where specified or the duplicate record will be ignored and an error generated. Generally alpha key fields will be capitalised.

Where fields in a file being imported reference other files as lookups, the appropriate lookup record must exist to maintain database integrity. Where a lookup is referenced that does not already exist, the import process will automatically create it, unless otherwise stated. Any such lookups created will have the appropriate code, with descriptive or other additional fields set to the same text as the code.

**Field Details**

Where “CAPS” is shown in the definition tables it means that the relevant field will have its contents converted to capitals during the import, regardless of the case of the supplied data.

Multi-valued fields will not be supported and will cause an error if any invalid characters are encountered. They will otherwise be treated as plain text fields. Example fields are given below:

- Numeric fields are specified in the format 6 (4.2), meaning 6 digits in total, 4 to the left of the decimal point, 2 digits to the right. e.g. 1234.56.
- Date fields should be supplied in the format DD/MM/YYYY, e.g. 17/05/2013.
- Date/Time fields should be supplied in the format DD/MM/YYYY HH:MM, e.g. 17/05/2013 18:30.

Variable fields such as Address for a Site or the long description of an SOR Item will be stored in single fields within Confirm. If carriage returns are required within these long fields the “~R” (tilde) character with a capital R should be used. Two consecutive tabs will be interpreted as a blank field.

All fields are compulsory unless otherwise indicated.

**Tab or Comma Delimited Files with a Header Row**

Each of the entities specified must have its data supplied in a separate ASCII text file.

**Format**

The format of the files will be ASCII text, tab or comma delimited at field level, with each record delimited by the appropriate new-line character(s).

The first row in each file must be a header row containing the names of the fields being imported, in any order. The order of the fields in subsequent data rows must match the order in the header row.

Only those fields that are to be updated and all mandatory fields need to be included in the import file

The field lengths need not be as shown in the definition tables but any characters in excess of those specified will be truncated. In some cases a warning will be given if this happens.

Text qualifiers (""") may be supplied if the data contains one of the delimiting characters.

### **Key Fields**

Key fields must be unique where specified or the duplicate record will be ignored and an error generated. Generally alpha key fields will be capitalised.

Where fields in a file being imported reference other files as lookups, the appropriate lookup record must exist to maintain database integrity.

### **Field Details**

Where "CAPS" is shown in the definition tables it means that the relevant field will have its contents converted to capitals during the import, regardless of the case of the supplied data.

Multi-valued fields will not be supported and will cause an error if any invalid characters are encountered. They will otherwise be treated as plain text fields. Example fields are given below:

- Numeric fields are specified in the format 6 (4.2), meaning 6 digits in total, 4 to the left of the decimal point, 2 digits to the right. e.g. 1234.56.
- Date fields should be supplied in the format DD/MM/YYYY, e.g. 17/05/2013.
- Date/Time fields should be supplied in the format DD/MM/YYYY HH:MM, e.g. 17/05/2013 18:30.

Variable fields such as Address for a Site or the long description of an SOR Item will be stored in single fields within Confirm. If carriage returns are required within these long fields the "~R" (tilde) character with a capital R should be used. Two consecutive tabs will be interpreted as a blank field.

Fields are optional unless otherwise indicated.