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Location Intelligence
Infrastructure Asset Management

Confirm®

Import Addess Agent Specification

v19.00a.AM

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Specifications

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

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Import Address Specifications

Introduction

The purpose of this document is to describe the specifications of the files for importing address records into Confirm, using 'Import Address Agent'.

The ‘Import Address Agent’ imports records in XML format.

A comma delimited (.csv) file can also be imported, but it needs to transformed into XML format readable by Confirm, using a stylesheet.

The following table details the XML format applicable to this type of address import:

XML Tag	Type	Size	Details
PropertyRef	Character	20	Mandatory - A unique reference, up to 20 characters.
SiteCode	Character	10	Optional
SiteAddress	Character	2000	Optional - Truncated, if there are more than 2000 characters.
SubAddress	Character	60	Optional - Truncated, if there are more than 60 characters.
PropertyAddress	Character	60	Mandatory - Truncated, if there are more than 60 characters.
AppendSite	Boolean	True/False	Optional - Defaults to False, if left blank.
Locality	**Locality**		Optional. Inherits the locality of Site, if left blank. Refer to the Note below the table.
LocalityId	Number	6,0	
PostCode	Character	10	Optional
AddressEasting	Number	10,2	Optional
AddressNorthing	Number	10,2	Optional
GazTypeCode	Character	4	Optional - Refer to the rules below the table.
CoordTolCode	Character	4	
Delete	Boolean	True/False	Optional - Use True to delete record. Defaults to False, if left blank.

Locality

XML Tag	Type	Size	Details
Key	Number	6,0	Provide either Key or Name.
Name	Character	35	

XML Tag	Type	Size	Details
TownId	Number	6,0	Provide either TownId or Town.
Town	**Town**		

Town

XML Tag	Type	Size	Details
Key	Number	6,0	Provide either Key or Name.
Name	Character	35	
CountyId	Number	6,0	Provide either CountyId or County.
County	**County**		

County

XML Tag	Type	Size	Details
Key	Number	6,0	Provide either Key or Name.
Name	Character	35	

Note: Provide only one XML tag, either <LocalityId> or <Locality>.

If <LocalityId> is provided, the import will search for an existing locality in the system. If <Locality> is provided, the import will search for the unique combination of the specified locality, town and county in the system. If this combination is not found, then the missing data will be created in order to obtain this combination.

<Locality> needs to be in one of the following formats:

1. <TownId> is provided, to uniquely identify (or create) locality.

```
<Locality>
  <Name>LOCALITY NAME</Name>
  <TownId>1</TownId>
</Locality>
```

2. A combination of <County> and <Town> is provided, to uniquely identify (or create) locality.

```
<Locality>
  <Name>LOCALITY NAME</Name>
  <Town>
     <Name>TOWN NAME</Name>
     <County>
        <Name>COUNTY NAME</Name>
     </County>
  </Town>
</Locality>
```

Rules for Gazetteer and Coordinate Tolerance:

- If no gazetteer type code is supplied, then the system setting default will be applied to the address.
- If the system setting default is applied, then the corresponding coordinate tolerance code for the system setting default will be set against the address unless the coordinate tolerance code is explicitly supplied.
- If the coordinate tolerance code supplied is not present in Confirm, then the corresponding coordinate tolerance code for the specified gazetteer type will be used instead.

Below is an example to illustrate the transformation process to be followed for importing delimited (.csv) files into Confirm.

Sample: Import File

This is a sample .csv file to import addresses into Confirm:

```
21,AP101A8H5R25DT7085,47700365,"SITE ADDRESS","SUB ADDRESS","PROPERTY AD-
DRESS",True, "LOCALITY NAME","TOWN NAME","COUNTY NAME","POST
CODE",274426.40,192847.40,ADD,NA
```

Sample: Stylesheet

This is the stylesheet to be supplied to transform the .csv file to a format readable by Confirm :

```
<?xml version="1.0" encoding="utf-8"?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Trans-
form">
  <xsl:output method="xml" indent="yes"/>

  <xsl:template match="*">
    <xsl:copy>
      <xsl:apply-templates select="table"/>
    </xsl:copy>
  </xsl:template>
  <xsl:template match="table">
    <Entities>
      <xsl:for-each select="tr">
        <CentralProperty>
          <PropertyRef>
            <xsl:value-of select="td[2]"/>
          </PropertyRef>
          <SiteCode>
            <xsl:value-of select="td[3]"/>
          </SiteCode>
          <SiteAddress>
            <xsl:value-of select="td[4]"/>
          </SiteAddress>
          <SubAddress>
            <xsl:value-of select="td[5]"/>
          </SubAddress>
          <PropertyAddress>
            <xsl:value-of select="td[6]"/>
          </PropertyAddress>
          <xsl:if test="TD[7]!=''">
            <AppendSite>
              <xsl:value-of select="td[7]"/>
            </AppendSite>
          </xsl:if>
          <Locality>
            <Name>
              <xsl:value-of select="td[8]"/>
            </Name>
            <Town>
              <Name>
                <xsl:value-of select="td[9]"/>
              </Name>
              <County>
                <Name>
                  <xsl:value-of select="td[10]"/>
                </Name>
              </County>
            </Town>
```

```
          </Locality>
          <PostCode>
            <xsl:value-of select="td[11]"/>
          </PostCode>
          <AddressEasting>
            <xsl:value-of select="td[12]"/>
          </AddressEasting>
          <AddressNorthing>
            <xsl:value-of select="td[13]"/>
          </AddressNorthing>
          <GazTypeCode>
            <xsl:value-of select="td[14]"/>
          </GazTypeCode>
          <CoordTolCode>
            <xsl:value-of select="td[15]"/>
          </CoordTolCode>
        </CentralProperty>
      </xsl:for-each>
    </Entities>
  </xsl:template>
</xsl:stylesheet>
```

Sample: Transformed XML

Confirm internally generates an .xml file and saves it in the database:

```
<?xml version="1.0" encoding="utf-8"?>
<Entities>
  <CentralProperty>
    <PropertyRef>AP101A8H5R25DT7085</PropertyRef>
    <SiteCode>47700365</SiteCode>
    <SiteAddress>SITE ADDRESS</SiteAddress>
    <SubAddress>SUB ADDRESS</SubAddress>
    <PropertyAddress>PROPERTY ADDRESS</PropertyAddress>
    <AppendSite>True</AppendSite>
    <Locality>
       <Name>LOCALITY NAME</Name>
       <Town>
          <Name>TOWN NAME</Name>
          <County>
             <Name>COUNTY NAME</Name>
          </County>
       </Town>
    </Locality>
    <PostCode>POST CODE</PostCode>
    <AddressEasting>274426.40</AddressEasting>
    <AddressNorthing>192847.40</AddressNorthing>
    <GazTypeCode>ADD</GazTypeCode>
    <CoordTolCode>NA</CoordTolCode>
  </CentralProperty>
</Entities>
```