



Location Intelligence
Infrastructure Asset Management

Confirm[®]

Financial Interface XML Agent Specification
v25.20e.AM

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January 20, 2026

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Specifications

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

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Financial Interface XML Agent

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Financial Interface XML Agent

Introduction

The Confirm Financial XML Agent, is a plug-in module for the Confirm Task Processor. Its functionality differs from that of the current Financial Message Transfer Agent (MTA) in that it may export information from Confirm in XML or HTML as well as a text format.

This document aims to provide a full specification of the necessary XML file format.

Reference Documents

XML Schema Part 2: Datatypes. W3C Recommendation 02 May 2001

Overview

Scope

The Financial XML Agent extracts information from Confirm about works orders, variation orders and payments, creates an XML file, transforms this using an XSL stylesheet and exports the newly created file.

The interface is designed to run automatically, at pre-defined intervals from the Confirm Task Processor, but may also be initiated manually from the Scheduled Task window in the Confirm Client.

Format of the XML

OVERALL STRUCTURE AND FORMAT

The data is incorporated into an XML file that uses the tree structure and elements described in the following tables.

FILE NAMING AND DIRECTORIES

The Agent may be configured to poll the Confirm database at set intervals defined by the user.

The Agent generates one file for each Confirm Data Set for which it is configured. The path name of the target file is configurable within the software and existing files are not overwritten.

SIMPLE DATA TYPES

The simple XML schema data types use definitions given by W3C (www.w3.org).

| Data Type | Format | Example | Comments |
|-----------|---------------------|--------------------------------------|---|
| boolean | true, false, 1, 0 | true | |
| date-Time | CCYY-MM-DDThh:mm:ss | 2002-01-31T14:45:34 | |
| date | CCYY-MM-DD | 2002-01-31 | |
| decimal | p,s | a 6,2 decimal could be up to 9999.99 | Positive and negative numbers with decimal point if appropriate. Size shown in the form p,s where p = precision and s = scale |
| string | character value | High Street | Max size shows maximum length |

COMPLEX DATA TYPES

The structure of the schema is relatively flat and complex data types only exist where there are repeating groups. The composition of these complex data types is given in the next section entitled 'Definition of Element Types'.

DEFINITION OF ELEMENT TYPES

In the following tables the "No. of" column indicates whether the element is mandatory and whether repeating groups may occur.

financialInterface

| Element | Type | No. of | Max Size | Confirm Screen | Confirm Label |
|----------------|-----------------------|--------|----------|-----------------------------|---------------|
| batchDate | dateTime | 1 | | Ledger Batch Lookup | Date |
| todaysDate | dateTime | 1 | | n/a | n/a |
| batchNumber | decimal | 1 | 6,0 | Ledger Batch Lookup | Batch No. |
| dataSetID | string | 1 | 10 | System Registration Details | Data Set ID |
| worksOrder | worksOrder | 0-n | | Order Header | |
| variationOrder | variationOrder | 0-n | | Variation Header | |
| paymentBatch | payment-Batch | 0-n | | Payment Batch | |

worksOrder

| Element | Type | No. of | Max Size | Confirm Screen | Confirm Label |
|--------------|--------|--------|----------|----------------|---------------|
| contractCode | string | 1 | 6 | Order Header | Contract Code |
| contractName | string | 1 | 30 | Contract | Name |

| Element | Type | No. of | Max Size | Confirm Screen | Confirm Label |
|---------------------|----------------------------|--------|----------|---------------------------------------|-----------------------|
| creditorCostCode | string | 0-1 | 15 | Contract - Payments | Cost Code |
| vendorId | string | 0-1 | 20 | Contractor – Additional | Vendor ID |
| vendorDivisionId | string | 0-1 | 20 | Contractor - Additional | Vendor Division |
| contractExternalFIS | string | 0-1 | 30 | Cost Code | External FIS |
| orderNotes | string | 0-1 | 2000 | Order Header | Notes |
| orderNumber | decimal | 1 | 8,0 | Order Header | Order Number |
| commitDate | dateTime | 1 | | n/a | n/a |
| userLoginSurname | string | 0-1 | 20 | User Security | Surname |
| workTypeCode | string | 1 | 4 | Work Type | Code |
| priorityCode | string | 0-1 | 4 | Priority | Code (from Work Type) |
| orderDate | dateTime | 1 | | Order Header | Date/Time |
| commitUserId | string | 0-1 | 50 | User Security | User ID |
| contractorCode | string | 1 | 6 | Contractor | Code |
| orderDetail | orderDetail | 0-n | | Order Job | |
| orderDetailRoutine | orderDetail-Routine | 0-n | | Routine Maintenance – Order Header | |

orderDetail

| Element | Type | No. of | Max Size | Confirm Screen | Confirm Label |
|-------------------|----------|--------|----------|--------------------|-----------------|
| jobNumber | decimal | 1 | 8 | Order Job | Job Number |
| costCodeCode | string | 1 | 15 | Order Item | Cost Code |
| externalFIS | string | 1 | 30 | Cost Code | External FIS |
| costCodeCatCode | string | 1 | 4 | Cost Code Category | Code |
| jobDescription | string | 0-1 | 2000 | Order Job | Description |
| jobLocation | string | 0-1 | 2000 | Order Job | Location |
| siteCode | string | 1 | 10 | Order Job | Site |
| siteName | string | 1 | 40 | Site | Name |
| areaName | string | 1 | 30 | Area | Name |
| plotNumber | decimal | 1 | 10,2 | Order Job | Plot Number |
| featureId | string | 0-1 | 15 | Order Job | Feature ID |
| featureLocation | string | 0-1 | 2000 | Order Job | Locn |
| estCompletionDate | dateTime | 0-1 | | Order Job | Est Completion |
| orderValue | decimal | 1 | 10,2 | Order Header | Order Value |
| officerName | string | 1 | 30 | Order Job | Allocated To |
| jobPriorityCode | string | 1 | 4 | Priority | Code (from Job) |

| Element | Type | No. of | Max Size | Confirm Screen | Confirm Label |
|-------------------|----------|--------|----------|--------------------|----------------------|
| jobStartDate | dateTime | 0-1 | | Job | Estimated Start Date |
| budgetCode | string | 1 | 15 | Cost Code | Budget Code |
| budgetExternalFIS | string | 1 | 30 | Cost Code | External FIS |
| budgetCatCode | string | 1 | 4 | Cost Code Category | Code |
| jobTypeCode | string | 1 | 4 | Job | Job Type |

orderDetailRoutine

| Element | Type | No. of | Max Size | Confirm Screen | Confirm Label |
|-----------------|---------|--------|----------|---------------------------------|---------------|
| costCodeCode | string | 1 | 15 | Routine maintenance - Order Job | Cost Code |
| externalFIS | string | 1 | 30 | Cost Code | External FIS |
| costCodeCatCode | string | 1 | 4 | Cost Code Category | Code |
| regimeCode | string | 1 | 6 | Routine Maintenance – Order Job | Regime Code |
| regimeName | string | 1 | 50 | Maintenance regime | Description |
| siteCode | string | 1 | 10 | Routine Maintenance - Order Job | Site |
| siteName | string | 1 | 40 | Site | Name |
| areaName | string | 1 | 30 | Area | Name |
| plotNumber | decimal | 0-1 | 10,2 | Routine Maintenance - Order Job | Plot Number |
| featureId | string | 0-1 | 15 | Routine Maintenance - Order Job | Feature ID |
| featureLocation | string | 0-1 | 2000 | Routine Maintenance - Order Job | Locn |
| orderValue | decimal | 1 | 10,2 | Routine Maintenance – Order Job | Value |

variationOrder

| Element | Type | No. of | Max Size | Confirm Screen | Confirm Label |
|------------------|---------|--------|----------|-------------------------|------------------|
| contractCode | string | 1 | 6 | Variation Order | Contract Code |
| contractName | string | 1 | 30 | Contract | Name |
| creditorCostCode | string | 0-1 | 15 | Contract – Payments | Cost Code |
| vendorId | string | 0-1 | 20 | Contractor – Additional | Vendor ID |
| vendorDivisionId | string | 0-1 | 20 | Contractor - Additional | Vendor Division |
| variationNumber | decimal | 1 | 8,0 | Variation Header | Variation Number |

| Element | Type | No. of | Max Size | Confirm Screen | Confirm Label |
|------------------------|-------------------------------|--------|----------|-------------------------------------|------------------------------|
| commitDate | dateTime | 1 | | n/a | n/a |
| workTypeCode | string | 1 | 4 | Work Type | Code (from Variation Header) |
| priorityCode | string | 0-1 | 4 | Priority | Code (from Work Type) |
| contractExternalFIS | string | 0-1 | 30 | Cost Code | External FIS |
| variationDate | dateTime | 0-1 | | Variation Order | Date/Time |
| commitUserId | string | 0-1 | 50 | User Security | User ID |
| contractorCode | string | 1 | 6 | Contractor | Code |
| variationDetail | variationDetail | 0-n | | Variation Job | |
| variationDetailRoutine | variationDetailRoutine | 0-n | | Routine maintenance - Variation Job | |

variationDetail

| Element | Type | No. of | Max Size | Confirm Screen | Confirm Label |
|-------------------|----------|--------|----------|--------------------|----------------------|
| orderNumber | decimal | 1 | 8,0 | Variation Job | Order Number |
| jobNumber | decimal | 1 | 8 | Variation Job | Job Number |
| costCodeCode | string | 0-1 | 15 | Variation Item | Cost Code |
| jobDescription | string | 0-1 | 2000 | Variation Job | Description |
| siteCode | string | 1 | 10 | Variation Job | Site |
| siteName | string | 1 | 40 | Site | Name |
| plotNumber | decimal | 1 | 10,2 | Variation Job | Plot Number |
| featureId | string | 0-1 | 15 | Variation Job | Feature ID |
| variationValue | decimal | 1 | 10,2 | Variation Header | Variation Value |
| jobPriorityCode | string | 1 | 4 | Priority | Code (from Job) |
| externalFIS | string | 1 | 30 | Cost Code | External FIS |
| costCodeCatCode | string | 1 | 4 | Cost Code Category | Code |
| jobStartDate | dateTime | 0-1 | | Job | Estimated Start Date |
| budgetCode | string | 1 | 15 | Cost Code | Budget Code |
| budgetExternalFIS | string | 1 | 30 | Cost Code | External FIS |
| budgetCatCode | string | 1 | 4 | Cost Code Category | Code |
| jobTypeCode | string | 1 | 4 | Job | Job Type |

variationDetailRoutine

| Element | Type | No. of | Max Size | Confirm Screen | Confirm Label |
|-----------------|---------|--------|----------|--------------------------------------|-----------------|
| orderNumber | decimal | 1 | 8,0 | Routine maintenance - Variation Job | Order Number |
| costCodeCode | string | 0-1 | 15 | Routine maintenance - Variation Item | Cost Code |
| regimeCode | string | 1 | 6 | Routine Maintenance – Order Job | Regime Code |
| regimeName | string | 1 | 50 | Maintenance regime | Description |
| siteCode | string | 1 | 10 | Routine maintenance - Variation Job | Site |
| siteName | string | 1 | 40 | Site | Name |
| plotNumber | decimal | 0-1 | 10,2 | Routine maintenance - Variation Job | Plot Number |
| featureId | string | 0-1 | 15 | Routine maintenance - Variation Job | Feature ID |
| variationValue | decimal | 1 | 10,2 | Variation Header | Variation Value |
| externalFIS | string | 1 | 30 | Cost Code | External FIS |
| costCodeCatCode | string | 1 | 4 | Cost Code Category | Code |

paymentBatch

| Element | Type | No. of | Max Size | Confirm Screen | Confirm Label |
|---------------------|----------|--------|----------|----------------------------|--------------------------|
| contractCode | string | 1 | 6 | Payment Batch | Contract Code |
| contractName | string | 1 | 30 | Contract | Name |
| creditorCostCode | string | 0-1 | 15 | Contract - Payments | Cost Code |
| contractorCode | string | 1 | 6 | Contractor | Code |
| vendorId | string | 0-1 | 20 | Contractor – Additional | Vendor ID |
| vendorDivisionId | decimal | 0-1 | 8,0 | Contractor - Additional | Vendor Division |
| contractExternalFIS | string | 0-1 | 30 | Cost Code | External FIS |
| paymentText | string | 0-1 | 2000 | Payment Batch | Payment Text |
| paymentNumber | decimal | 1 | 10 | Payment Batch | Payment Number |
| ledgerBatchNumber | decimal | 1 | 8 | Assigned by Agent | Ledger Batch |
| commitDate | dateTime | 1 | | Assigned by Payment Commit | Payment Commit Date/Time |
| commitLogin | string | 1 | 10 | Assigned by Payment Commit | Payment Commit Login |
| finYearStart | date | 0-1 | | Finance Year | Start |

| Element | Type | No. of | Max Size | Confirm Screen | Confirm Label |
|----------------------|-----------------------------|--------|----------|----------------|----------------|
| finYearEnd | date | 0-1 | | Finance Year | End |
| taxStatusCode | string | 1 | 4 | Contractor | Tax Status |
| commitUserId | string | 0-1 | 50 | User Security | User ID |
| invoiceNumber | string | 0-1 | 20 | Payment Batch | Invoice Number |
| invoiceReceivedDate | dateTime | 0-1 | | Payment Batch | Received |
| paymentDetail | paymentDetail | 0-n | | | |
| routinePaymentDetail | paymentDetailRoutine | 0-n | | | |

paymentDetail

| Element | Type | No. of | Max Size | Confirm Screen | Confirm Label |
|---------------------|----------|--------|----------|--------------------------------------|--|
| orderNumber | decimal | 1 | 8,0 | Payment Job | Order No |
| purchaseOrderNumber | string | 0-1 | 15 | Assigned when authorisation imported | PO Number |
| orderNotes | string | 0-1 | 2000 | Order Header | Notes |
| orderCommitDate | dateTime | 0-1 | | n/a | n/a |
| orderExternalRef | String | 0-1 | 20 | Order Header | External Ref. |
| jobNumber | decimal | 1 | 8 | Payment Job | Job Number |
| costCodeCode | string | 0-1 | 15 | Cost Code | Cost Code |
| externalFIS | string | 1 | 30 | Cost Code | External FIS |
| costCodeCatCode | string | 1 | 4 | Cost Code Category | Code |
| jobDescription | string | 0-1 | 2000 | Payment Job | Description |
| estCompletionDate | dateTime | 0-1 | | Job, Additional | Est. Completion (terminology set in Job System Settings) |
| siteCode | string | 1 | 10 | Payment Job | Site |
| siteName | string | 1 | 40 | Site | Name |
| plotNumber | decimal | 1 | 10,2 | Payment Job | Plot No |
| featureId | string | 0-1 | 15 | Payment Job | Feature ID |
| taxPercentage | decimal | 1 | 5,2 | Tax Rate | Percentage |
| taxValue *1 | decimal | 1 | 10,2 | Payment Item | Job Payment Tax Total |
| taxTypeCode | string | 1 | 4 | Tax Type | Code |
| jobClose | boolean | 1 | | Payment Job | Job Complete |
| jobCustRef | String | 0-1 | 20 | Job | Customer Reference |
| requestRef | string | 0-1 | 20 | Payment Request Header | Request Ref. |

| Element | Type | No. of | Max Size | Confirm Screen | Confirm Label |
|--------------------|----------|--------|----------|------------------------------------|-----------------------------|
| requestText | string | 0-1 | 2000 | Payment Request Header | Text |
| requestDate | dateTime | 0-1 | | Payment Request Header | Request Date |
| requestLogDate | dateTime | 0-1 | | Payment Request Header, Status Log | Log Date where Log No. is 1 |
| paymentDate | dateTime | 1 | | Payment Batch | Payment Date |
| periodEndDate | dateTime | 1 | | Finance Period | End |
| paymentValue | decimal | 1 | 12,2 | Payment Item | This Payment |
| orderOriginalValue | decimal | 1 | 12,2 | Order Item | Original Order Value |
| priorityCode | string | 0-1 | 4 | Priority | Code (from Work Type) |
| workTypeCode | string | 1 | 4 | Work Type | Code (from Order Header) |
| jobPriorityCode | string | 1 | 4 | Priority | Code (from Job) |
| requestClassCode | string | 0-1 | 6 | Request Classification | Code |
| requestClassName | string | 0-1 | 50 | Payment Request Header | Request Classification |
| jobStartDate | dateTime | 0-1 | | Job | Estimated Start Date |
| budgetCode | string | 1 | 15 | Cost Code | Budget Code |
| budgetExternalFIS | string | 1 | 30 | Cost Code | External FIS |
| budgetCatCode | string | 1 | 4 | Cost Code Category | Code |
| jobTypeCode | string | 1 | 4 | Job | Job Type |

*1 The taxValue includes the tax adjustment value. In Confirm this is on the Payment Item screen.

paymentDetailRoutine

| Element | Type | No. of | Max Size | Confirm Screen | Confirm Label |
|---------------------|----------|--------|----------|--------------------------------------|---------------|
| orderNumber | decimal | 1 | 8,0 | Routine maintenance - Payment Job | Order No |
| purchaseOrderNumber | string | 0-1 | 15 | Assigned when authorisation imported | PO Number |
| orderNotes | string | 0-1 | 2000 | Routine maintenance - Order Header | Notes |
| orderCommitDate | dateTime | 0-1 | | n/a | n/a |
| orderExternalRef | String | 0-1 | 20 | Routine maintenance - Order Header | External Ref. |
| costCodeCode | string | 0-1 | 15 | Cost Code | Cost Code |
| externalFIS | string | 1 | 30 | Cost Code | External FIS |
| costCodeCatCode | string | 1 | 4 | Cost Code Category | Code |

| Element | Type | No. of | Max Size | Confirm Screen | Confirm Label |
|--------------------|----------|--------|----------|------------------------------------|--------------------------|
| regimeCode | string | 1 | 6 | Routine Maintenance – Payment Job | Regime Code |
| regimeName | string | 1 | 50 | Maintenance regime | Description |
| siteCode | string | 1 | 10 | Routine maintenance - Payment Job | Site |
| siteName | string | 1 | 40 | Site | Name |
| plotNumber | decimal | 0-1 | 10,2 | Routine maintenance - Payment Job | Plot No |
| featureId | string | 0-1 | 15 | Routine maintenance - Payment Job | Feature ID |
| taxPercentage | decimal | 1 | 5,2 | Tax Rate | Percentage |
| taxValue | decimal | 1 | 10,2 | | |
| taxTypeCode | string | 1 | 4 | Tax Type | Code |
| paymentDate | dateTime | 1 | | Payment Batch | Payment Date |
| periodEndDate | dateTime | 1 | | Finance Period | End |
| paymentValue | decimal | 1 | 12,2 | Routine maintenance - Payment Item | This Payment |
| orderOriginalValue | decimal | 1 | 12,2 | Routine Maintenance - Order Item | Original Order Value |
| workTypeCode | string | 1 | 4 | Work Type | Code (from Order Header) |

Import Format

FILE FORMAT

General

The format of the file will be comma delimited at field level with each record delimited by the appropriate new-line character(s).

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

Extensible Markup Language (XML) can also be used as the files format. The XML file has a XSL Stylesheet applied to it that converts the file into a composite comma format.

Delimited Files

Field names must be specified, i.e. the first line of each file should include the field names of those fields being supplied, as per the import definition for the entity concerned.

Composite Delimited Files

Each row contains several delimited items. The first is a number identifying the row type and the second identifies the Data Type. The file can contain any or all of the Data Types mentioned in the Data Type Descriptions section of this document (the format is called Composite Delimited as data of different types are contained in a single file). The different row types are described here.

The Header Definition row (type 1) contains the field names of all data being supplied, in the order in which it is supplied. There should be only one header for each Data Type.

A Data row (type 2) contains the actual values to go into the fields. The data should be in the order defined by the header record. If the file contains any data before the header record, an error will be reported.

The Record Count row (type 9) is optional. If supplied, this will contain a single numeric item, which is checked against the number of rows of this Data Type in the file. If there is a mismatch, it is assumed that the file is incomplete or otherwise invalid, and an error is reported. There should be no more than one record count for each Data Type.

Key Fields

Key fields must be unique where specified or the whole file will be rejected and an error generated. Generally alpha key fields will be capitalised.

Lookup Fields

Where fields in a file being imported reference the database as lookups, the appropriate lookup record must exist to maintain database integrity. These can usually be supplied as a code or as a name (the tables below will say “6 or 50” where something can be supplied as a 6 character code or a 50 character name).

Checks for these lookups are case sensitive. Where a lookup is referenced which does not already exist an error will be reported and the file rejected.

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.

- 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.
- To prevent problems when files are imported on a different system to the one where the files were prepared, fields specified as date should be supplied in the format DDMMYYYY or DD/MM/YYYY, except when importing XML files.
- All fields specified as time should be supplied in the format HH:MM, e.g. 18:30.
- The field lengths need not be as shown in the definition tables but any characters in excess of those specified will be truncated. A warning will be given if this happens.

Validation

This facility will accept a PO number allocated by a Financial System, and will accept multiple files for import.

If there are any syntactical errors in the file, such as invalid data types used or an invalid record count, then the entire file will be rejected.

Any semantic errors, such as an Authorisation being received for a non-existent Order, will cause the items in error to be ignored. All complete records that are acceptable will be updated even though other records in the same input file are not accepted.

The Task Processor will email the error log (see below) to a designated systems administrator if there are any problems with a file.

File Processing

Import Transformations are stored in Confirm detailing:

- The directory where the files to be imported are located.
- File mask to be applied to limit the files in the directory to be selected (e.g. *.* will cater for selecting all files in the specified directory.
- The field delimiter.
- The location and name of the stylesheet to be used to convert the files to the SBSCSV format detailed below.

Files successfully imported will be written to a “READ” sub-directory of the Import Directory with no warning given before overwriting existing files. If the sub-directory does not exist then an error / alert will be generated and the Financial Interface XML Agent Scheduled Task will stop.

Error Logging

The import will detect various errors in the Import data. When a file of data is imported an error file will be generated containing any errors found in the data, this will happen whether or not the update takes place. An indication of the line in the text file where the problem has been detected will also be included. This will allow location and correction of such errors.

The error file will take the same name as the imported file but will take the extension “.ERR”.

Where errors mean that the entire file cannot be read (e.g. incorrect format or inconsistent totals), then the original import file and error file will be placed in an “INVALID” sub-directory of the import directory. If the “INVALID” sub-directory does not exist, then an error / alert will be generated, and the Financial Interface XML Agent Scheduled Task will stop.

If the error(s) only applied to certain records in the file, but others may have been imported, then the error file is placed in the “READ” sub-directory with the main file.

FILE DEFINITION

This import facility caters for an external financial system issuing a Purchase Order number to be held against Works Orders.

Works Orders need to be in a pending state, i.e. Uncommitted with the Pending state flag set, in order to be valid for this process.

When a Works Order number is imported with a Purchase Order number, the Works Order will be deemed to be authorised, and will, therefore, be moved on to a Committed Status, and the Cost Code commitments will be updated.

When a Works Order number is imported with no Purchase Order number, the Works Order will be deemed to have failed the authorisation process, and will, therefore, have its Pending state flag reset, making it an amendable Uncommitted Works Order.

Works Order Authorisation

| Field | Size | Type | Comment |
|-----------------------|---------|---------------|---|
| Contract Code | 6 | ASCII / CAPS | Mandatory |
| Works Order Number | 8 (8.0) | Numeric | Mandatory |
| Purchase Order Number | 15 | Alpha-Numeric | If blank, Work Order will be set to uncommitted |

Composite File Example

```
1, FIXML, contract code, order number, po number  
2, FIXML, C1, 150, PO Number 150  
2, FIXML, C1, 255, PO Number 255
```