

Shared: Attendee Import, Version 2

Specification

Last Revised: February 21, 2019

Applies to these SAP Concur solutions:

- Expense
 - Professional/Premium edition
 - Standard edition

- Travel
 - Professional/Premium edition
 - Standard edition

- Invoice
 - Professional/Premium edition
 - Standard edition

- Authorization Request
 - Professional/Premium edition
 - Standard edition

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Revision History

Date	Notes / Comments / Changes
February 21, 2019	Corrected the sample for the 100 and 200 records
February 12, 2019	Updated the copyright; no other changes; cover date not updated
April 16, 2018	Changed the check boxes on the front cover; no other changes; cover date not updated
February 27, 2018	Added the following note: Best practice is to not allow personal, sensitive, or uniquely identifying information in custom fields.
February 2, 2018	Updated the cover and footer; no other changes; cover date not updated
January 23, 2018	Updated the copyright and the cover; no other changes; cover date not updated
August 18, 2017	If a blank field is imported, it clears the contents of the field.
January 22, 2016	Changed from book "chapters" to stand-alone guides; no content changes
May 6, 2015	Copyright and formatting changes; no other content changes
November 30, 2014	Integration Administrator has changed to Import/Extract Administrator; no other content changes
July 19, 2013	Initial publication Addition of 3 attendee fields, additional Custom fields (including "Sunshine" regulatory fields for HCP Attendee form), and Future Use fields Added this chapter and renumbered subsequent chapters

Attendee Import, Version 2

Section 1: IMPORTANT - Two Import Guides

There are separate guides for the different versions of the import:

- Attendee Import, Version 1
- Attendee Import, Version 2
Added Middle Initial, Suffix, and five new custom fields

Before creating your data file, verify with SAP Concur that you are using the proper import guide.

Section 2: Overview

A client uses this feature to import attendee data for one or more attendee types. These attendees are then available for users to search for and select from when entering expenses or managing their list of attendees.



Refer to the *Expense: Attendees Setup Guide* for more information about the Attendees feature.

Section 3: Attendee Import – The Basic Process

The basic steps are described ***briefly*** here and then described ***in detail*** on the following pages:

- **Step 1:** The client creates an import data file, ensuring that it complies with the requirements of this specification.
- **Step 2:** The client moves the import data file to SAP Concur.
- **Step 3:** SAP Concur runs a batch job that imports the data file.

Section 4: Step 1: Creating the Import Data File

The client assembles the import data file, formatting it according to the specifications in this document. The import data file specifications are as follow:

- **Format Type:** Delimiter-Separated Value, UTF8
- **Supported Field Delimiter:** Comma
- **Enclosing Character:** Quotation Mark
- **Record Delimiter:** CRLF

- **Data Record Layout:** There are the record types in the attendee import file. The record types are:
 - ◆ 100 (Attendee fields)
 - ◆ 200 (Employee-Attendee Map Fields)

The record types are referenced in the tables on the following pages.

File Naming Conventions

The data file name should be of the format "jobtype_entitycode_datetime.txt". The job type for an attendee import data file is "attendee." If an entity has the code t0000123abcd, then the file name for the import data file would be "attendee_t0000123abcd_yyyymmddhhmns.txt".

Update/Replace

The attendee import will update an existing record if one is found, or it will create a new record. If a blank field is imported, it clears the contents of the field.

The correct record to update is found by matching on the External ID field:

- If no match is found then a new record is created.
- If one and only one match is found, then that record is updated. If the found record is marked as deleted, it will be reactivated (based on the import record inactive field setting) and updated.
- If more than one matching record is found
 - ◆ If only one is active, that record will be updated.
 - ◆ If more than one is active or none are active, the record will fail to import and be logged as a warning in the error log.

External ID - Required for Changes and Deletions

The External ID is required in order to make changes to attendees (edit or delete) via the import. In most cases, the External ID is a company-generated unique identifier, which is imported with the initial import of attendees. However, for attendees who are manually entered by Expense users, there likely is no External ID. Without that information, you cannot change or remove those attendees via the import.

To solve this problem, you can have the system auto-generate an External ID for each attendee so that the External ID will never be blank.



Refer to the *Expense: Attendees Setup Guide* for more information about the Attendees feature.

Specifications

Record Type 100 – Attendee Fields


This record type is used to add new or update existing attendee records.

The following fields are controlled by the form design and values are not imported if the field is not part of the form design:

- First_name
- Last_name
- Title
- Company
- Custom 1-20

NOTE: Best practice is to **not** allow personal, sensitive, or uniquely identifying information in custom fields.

Table 1: Data for Record Type 100 – Attendee Fields

Name	Definition	Required?	Description	Client Field Definition
Record Type	100	Y		
External ID	48 characters maximum	Y	<p>Unique identifier for the attendee</p> <p>This is the identifier used to determine whether this is an <i>add</i> or <i>update</i> to an existing record.</p> <p> Refer to the <i>Update/Replace</i> section above for specific logic.</p>	
Attendee Type Code	8 characters maximum	Y	<p>Attendee type code for the attendee type assigned to this attendee</p> <p>Must represent an active attendee type or the record will not be imported</p>	
Currency Code	3 characters; case insensitive	Y	<p>Defines the currency to be used for totaling costs for this attendee</p> <p>This value is used for a new attendee record and is ignored for an update.</p> <p>Must be an existing ISO 3-character alpha or 3-digit numeric code for the currency</p>	

Section 4: Step 1: Creating the Import Data File

Name	Definition	Required?	Description	Client Field Definition
Last Name	132 characters maximum	Y	Attendee last name	
First Name	50 characters maximum	N	Attendee first name Value is not imported if field is not defined on the applicable form	
Middle Initial	1 character maximum	N*	Attendee middle initial * Value is required for US regulations	
Suffix	32 characters maximum	N*	Attendee suffix * Value is required for US regulations	
Company	150 characters maximum	N	Name of the attendee's company Value is not imported if field is not defined on the applicable form	
Title	32 characters maximum	N	Title of the attendee Value is not imported if field is not defined on the applicable form	
Inactive	1 character; Y or N	N	If null or N, the attendee is marked as active. If set to Y, the existing attendee record will be marked as inactive. Additionally, the attendee will be removed from all employee My Attendees lists.	
YTD Total	Amount	N	Starting YTD total for the current year This value is used for a new attendee record to set a starting value, and is ignored for an update	
Custom 1 - 20	100 characters maximum (for each of the fields)	N	Custom field data is validated: <ul style="list-style-type: none"> Value is not imported if the field is not defined on the applicable form First, check the attendee type form for any custom fields that are required. If the form specifies custom 	

Name	Definition	Required?	Description	Client Field Definition
			<p>fields and the import row does not provide them, this is treated as an error and the record is not processed.</p> <ul style="list-style-type: none"> • If a custom field is required and the value does not pass a validation, this is treated as an error. • If a custom field is not required and the value does not pass a validation, a warning is logged. • For each custom field defined in the form, an appropriate validation is performed based on the data type specified: <ul style="list-style-type: none"> ◆ List (custom): Validated against the code value, not the long name, for the list item ◆ Date: Must be a valid date, in the following format YYYYMMDD ◆ Boolean: Value must be Y or N ◆ Numeric: Value must be a number (e.g. "10000.00") ◆ Text: Value must be less than or equal to max_length and pass whatever validation is specified for the field. <p>NOTE: Best practice is to not allow personal, sensitive, or uniquely identifying information in custom fields.</p>	
Custom 21 (Taxonomy)	48 characters maximum	N		
Custom 22 (Tax ID)	48 characters maximum	N		
Custom 23 (Covered Recipient ID)	48 characters maximum	N		

Section 4: Step 1: Creating the Import Data File

Name	Definition	Required?	Description	Client Field Definition
Custom 24 - 25	100 characters maximum (for each of the fields)	N	<p>Custom field data is validated:</p> <ul style="list-style-type: none"> • Value is not imported if the field is not defined on the applicable form • First, check the attendee type form for any custom fields that are required. If the form specifies custom fields and the import row does not provide them, this is treated as an error and the record is not processed. • If a custom field is required and the value does not pass a validation, this is treated as an error. • If a custom field is not required and the value does not pass a validation, a warning is logged. • For each custom field defined in the form, an appropriate validation is performed based on the data type specified: <ul style="list-style-type: none"> ◆ List (custom): Validated against the code value, not the long name, for the list item ◆ Date: Must be a valid date, in the following format YYYYMMDD ◆ Boolean: Value must be Y or N ◆ Numeric: Value must be a number (e.g. "10000.00") ◆ Text: Value must be less than or equal to max_length and pass whatever validation is specified for the field. <p>NOTE: Best practice is to not allow personal, sensitive, or uniquely identifying information in custom fields.</p>	

Name	Definition	Required?	Description	Client Field Definition
Future Use 1 - 20		N	Reserved for future use	

Below is a sample of the 100 records in the data file.

100,33,BUSGUEST,USD,Smith,Sam,B,Suffix,ACME,Technician,N,680,,,,,,,,,,,,,,,,,,,,, 193200000X,TAX23344,RECEIPIENTID00345,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
100,34,BUSGUEST,USD,Jones,John,J,Suffix,ACME,Foreman,N,500,,,,,,,,,,,,,,,,,,,,, 193400000X,TAX87230,RECEIPIENTID01934,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

Record Type 200 – Employee-Attendee Map Fields

Map records add or remove an existing attendee on the individual user's Favorite Attendees list.

This is a data-entry convenience for the user to allow the company to add the attendee to the user's favorites - it does not mark the attendee as owned by that employee and the employee will be able to *use* but not *edit* that attendee.

Table 2: Data for Record Type 200 – Employee-Attendee Map Fields

Name	Definition	Required?	Description	Client Field Definition
Record Type	200	Y		
Employee ID	48 characters maximum	Y	Defines the employee ID used to look up the employee for the record	
Attendee External ID	48 characters maximum	Y	Defines the external ID used to look up the attendee for the record; must be unique	
Delete	1 character; Y or N	N	If null or N, the attendee should be added to the employee's My Attendees list or validated as already present. If set to Y, the existing employee-attendee map record will be marked as inactive.	

Below is a sample of the 200 records in the data file.

200,UserID-1,33,N
200,UserID-2,34,N
200,UserID-3,34,N

Sample Data File (Complete)

Here is a sample of the entire file (100 and 200 records).

```
100,33,BUSGUEST,USD,Smith,Sam,B,Suffix,ACME,Technician,N,680,,,,,,,,,,,,,  
,193200000X,TAX23344,RECEIPIENTID00345,,,,,,,,,,,,,  
100,34,BUSGUEST,USD,Jones,John,J,Suffix,ACME,Foreman,N,500,,,,,,,,,,,,,  
193400000X,TAX87230,RECEIPIENTID01934,,,,,,,,,,,,,  
200,UserID-1,33,N  
200,UserID-2,34,N  
200,UserID-3,34,N
```

Section 5: Step 2: Move the Import Data File to SAP Concur

When the file is complete and the client is ready to submit the import data file, the client works with SAP Concur support to move the import data file to SAP Concur.

New clients have most imports set up as part of implementation. Existing clients who want to use this import must contact SAP Concur support for assistance.

NOTE: Clients can confirm whether or not an import schedule has been set up. A user assigned the Import/Extract Monitor role can view the import definitions and schedules that are configured for the entity.

Section 6: Step 3: SAP Concur Imports the Data

On a pre-determined schedule, SAP Concur runs the job that loads the import data file into the client's database. When the process is complete, SAP Concur notifies the client by means of an automated job success email that the locations information has been updated. The changes are immediately available to users.