
Inventory Data Format

How to upload your data into OneAero
Version 3

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Introduction

Accuracy is the goal of the OneAero inventory system. Please use the data transfer method that keeps your data as accurate as possible.

There are three steps to submitting your data:

1. Create the data file
2. Submit the data file
3. Review the results (success or error messages)

Each step above has a few options. You can create the data file in a number of formats with a multitude of data fields. There are four required fields. Please see the *Inventory Format* section below.

You can submit your data using a variety of methods. These include web form upload, email, FTP (push or pull), web services (SOAP or REST), or edit your data directly through our web forms. See the *Upload Methods* section below.

Create Your Data File

Inventory Format

Inventory data can be uploaded at any time. Please format your data file following these guidelines:

1. Make your data file a tab-delimited (or other delimiter) text file, an XML file, or if you have 65,000 lines or less in your inventory data file you can also upload an Excel file.
2. Field names are **not** case-sensitive and spaces can be replaced by an underscore or eliminated. The following column headers are all acceptable: PartNumber, part_number, or part number.
3. Columns can be in any order.
4. The field name must be the first row of the file for delimited text files. All columns must have a column name.
5. Each record must be on its own line (separated by new line and/or a carriage return.)
6. You can have one part per line or group multiple parts on the same line as long as the conditions are the same. The ideal file will have one part per line and include the serial number of the part and a URL that provides the potential buyer with a link to more detailed information about the part on your website.

The following fields can be included in your data file.

Fields marked with an * are required.

Field	Data Type	Notes	Example
Aircraft	Varchar(254)	A comma-delimited list of aircraft this part can be used on.	B747-200,A320
ATA Chapter	Char(8)	The ATA Chapter.	10-11-12
Alt Part Number	Varchar(254)	Another number that this part is know by. Separate multiple part numbers with a comma (.). This is not an interchangeable part number.	95900000-1
Cage Code	Char(5)	The 5-character cage code of the OEM.	123C5
Category	Varchar(254)	The category that this part is.	Avionic
Condition*	Char(2)	The 2-character code for the part's condition: NE or FN: Factory new NS: New surplus OH: Overhauled RP: Repaired SV: Serviceable AR: As removed US: Unserviceable	NS
Description*	Varchar(254)	Describe the part	Dual DME Indicator
Engine	Varchar(254)	The engine(s) that this part is used on. Comma-delimited	
Hazardous Material Code	Varchar(254)		
Interchangeable Part Number	Varchar(254)	A comma-delimited list of part numbers that this part can be interchanged with.	59500000-2
International Commodity Code	Varchar(254)	ISO commodity code.	
Lead Time	Integer	The number of days until the part can be shipped.	1
Location Code	Varchar(254)	The code that corresponds to your location in the OneAero database. Each company can have one or more locations. You assign your own location codes.	LAX2
NSN	Varchar(254)	The National Stock Number of the part.	1260-01-165-3959
Nearest Airport Code	Char(3)	The 3-character IATA airport code that this inventory is closest to.	DEN
Notes	Varchar(254)	Any notes about the part not included above.	
OEM	Varchar(254)	The manufacturer's name	Collins
Part Number*	Varchar(254)	All part number will be converted to upper case.	59500000-1
Price	Float	The US dollar price for the part related to the Unit or Measure. (See UOM below.)	2549.95

Field	Data Type	Notes	Example
Quantity*	Integer	The number of items you have in stock of this condition. If you are an OEM and have 'unlimited' supply, please enter a realistic value in this field (like 100 or 1000) of how many you could deliver in a few days. Quantities of zero are accepted and mean that you normally have the part but are temporarily out of stock.	12
RFQ Email	Varchar(254)	One or more email address separated by a comma where RFQ should be sent. This value will override the settings in the company record and user records. Do not include this field unless you want specific part numbers RFQs to be sent to specific individuals.	sales@example.com
Serial Number	Varchar(254)	The unique serial number of the part.	3238732-A7
Shelf Location	Varchar(254)	The shelf location or other identifier where the part is located.	A54-3
SKU	Varchar(254)	Your internal unique ID for this part.	34623400074
Tag Date	Date	An ISO 8601 date stamp of the last tag date. (YYYY-MM-DD)	2004-10-26
Tag Information	Varchar(254)	Any notes about the tag	FAA 8130
Traceability Notes	Varchar(254)	Notes related to the traceability.	
Traceable	Boolean	An indicator of whether or not the part is traceable. The following values are accepted for true: 1, T, True, Y, Yes, X. The following values are accepted for false: 0, F, False, N, No. (not case-sensitive)	1
Transaction Type	Varchar(254)	A comma-delimited list of how the part may be acquired. Please use the following values (any case): Sell, Loan, Lease, Exchange, or Any. If you use "Any", that indicates you will accept any transaction type.	Sell,Exchange
UOM	Varchar(254)	The unit of measure the part is sold as.	EA
UOM Note	Varchar(254)	Any comments about the unit of measure.	12 per case
URL	Varchar(254)	The URL (website address) containing detailed part information like 8130, pictures, etc. Please include the protocol (http://, https://, ftp://, etc.).	http://example.com/part/view/1234

Upload Methods

Data can be uploaded into OneAero in five ways.

1. Email your inventory.
2. Upload your data file (HTTP or FTP).
3. Copy and paste your data from Excel.
4. Edit your inventory directly on OneAero.
5. Web services (SOAP or REST).

Each method is described in detail below. Options 1-3 are suitable for batch publishing (daily or weekly). Options 4 and 5 are suitable for batch or real-time publishing. Options 1 and 5 are suitable for automated computer-to-computer communication. Options 2-4 require a person to be involved.

Email

The email option is suitable for companies that publish and replace their inventory at a regular interval (daily or weekly batch process). The email can be sent by a person or automated by a server process.

Once you have created your inventory file in the OneAero standard format, you will receive a unique email address for your company's inventory uploads. These are similar to company_name@inventory.oneaero.com and a unique key to put in the subject of your message to ensure that no unauthorized people upload inventory to your account. When you are ready for this option, please email inventory@oneaero.com and request an inventory email address and a unique access key for the subject of your email message. The data file can be sent as an attachment or the data can be placed directly in the body of the email in plain text format.

When you first get started with OneAero, you can email your inventory in any format to inventory@oneaero.com and we will process it for you.

Upload File FTP

You may upload your file via FTP to the OneAero FTP server. Please contact us for an account. We can also pull your data file from your FTP or HTTP server on a scheduled interval.

Upload File (Web Form)

The upload option requires that a person is involved in the upload.

Create your text or Excel file as defined above and follow these instructions:

1. Go to https://oneaero.com/fast/company_inventory/upload or navigate to: Inventory » Administration » Upload Inventory
2. Click the "Browse" button and locate your file.
3. Click the "Upload" button.

4. The file will be uploaded. The delimiter will normally be detected automatically and you will be asked to match any column names that are not recognized.
5. Click “Import Data” and your data will be imported.

Data uploads take approximately 1 minute per 100,000 lines in the file. Inventory data will become “live” or searchable by other OneAero users within approximately 15 minutes of your successful upload.

Copy and Paste From Excel

If you keep your inventory in Excel you can use this option to update your inventory.

Follow these instructions to copy and paste from Excel:

1. Open your Excel file and highlight (select) the column headers and all the data and copy it. (A shortcut for this is to click cell A1 or the first column header and then type Ctrl + Shift + Down Arrow and then Ctrl + Shift + Right Arrow and then Ctrl + C)
2. Go to https://oneaero.com/fast/company_inventory/upload or navigate to: Inventory » Administration » Upload Inventory
3. Right click in the Paste Data area and select Paste.
4. Click the “Upload” button.
5. The data will be uploaded. You will be asked to match any column names that are not recognized.
6. Click “Import Data” and your data will be imported.

Inventory data will become “live” or searchable by other OneAero users within 30 minutes of your successful upload.

Edit Inventory

If you would like to use OneAero as your master inventory database, you can go to: https://oneaero.com/fast/company_inventory/list and add, edit, and delete your inventory one item at a time. You can export your inventory from OneAero at any time by clicking the Download button from within Inventory Administration.

Web Services

SOAP and REST web services can be used to manage inventory on OneAero in real time or as a batch process. Web services are suitable for server-to-server communication. In an ideal world, all companies would provide real-time data so that buyers always have accurate information available to them. To this end, we highly recommend that inventory be synchronized in real time. If you would like to learn more about this option, please email inventory@oneaero.com or call Dan Fitzpatrick at 800-331-3133 x411 to discuss this option. You can learn more about SOAP here: <http://en.wikipedia.org/wiki/SOAP>. You can learn more about REST here: http://en.wikipedia.org/wiki/Representational_State_Transfer

RFQs

Requests For Quotes (RFQs) will be sent via email to your specified email address(es). The email address to send RFQs to can be specified in three places:

1. In the **company record** (go to Administration » Company) set the Inventory RFQ Email Address field. This is best for generic email addresses like customer_service@example.com. Multiple email addresses can be added here separated by a comma.
2. In one or more **employee records** (go to Administration » Users » click a User) check the box Receives RFQs for Inventory option. If you are sending the RFQs to a specific person or persons, this is the best option. Multiple people can have this option checked. Ensure that each person that has this option checked also has an accurate email address.
3. In your **inventory data file** enter the email address in the RFQ Email field that RFQs for the specific part should go to. Only use this option if RFQs for different parts need to be sent to different people. If this field is blank or not defined, then the RFQ emails will be sent to the addresses defined in options 1 and 2 above.

If an email address is specified in the data file, the RFQ will only be sent to that email address. If no email address is specified in the data file, then emails will be sent to the address specified in the company record **and** all the employee records.