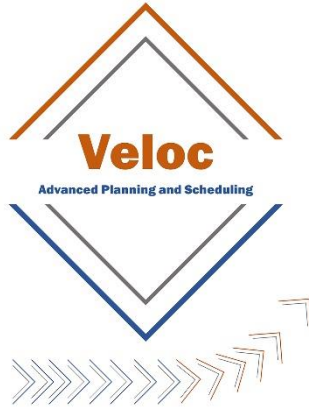


Veloc Implementation Guide - 123 Go.

Input Data Preparation



Introduction

Many years of experience has shown us that a systems implementation can be complex, expensive, time consuming and fraught with difficulties. Although Veloc is a complex and multidimensional planning and scheduling tool we have tried to make the implementation as simple as possible by breaking down the implementation into straightforward steps.

With an appropriate level of planning and preparation we believe that “Go Live” should be achievable within weeks. A target of one month is not unachievable.

At a macro level we have just 3 steps (hence 1, 2, 3 Go) and these are then each also broken down into a number of other steps. At each stage we provide a degree of support appropriate to each implementation.

The macro level steps are

- 1. Business and people preparation.***
- 2. Dataset building and testing.***
- 3. Managing the inputs and outputs.***

At each step, as a registered user, you can call on support from Veloc by using the website Support Helpdesk Functionality.

Additionally, of course, we are able to supply implementation consultants who can assist or lead your implementation process. We will happily provide a quote for these services.

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Managing Inputs

Veloc is designed to interface simply and easily with most other systems – e.g. ERP systems, accounts systems or forecasting systems.

In this section the user will learn how to create files for importing into the system.

It is possible to configure the system both to use non-standard import files, this, though, is beyond the scope of this process. If such customisation is required please contact either Veloc (support@veloc.co.uk) or your implementing consultant.

N.B. The system, as standard, does not connect directly to other system databases. It is the responsibility of the users business to create the extraction routines to put the import files in place. This is the case in order to vastly simplify the implementation process. If such direct connections are required then they can be configured but the cost and time for this should not be underestimated.

Managing Data Inputs



The standard data import routines are those in the imports Exports section of the Veloc menu, for each of them there is a standard data file format. All standard import files are txt files.

The routines also contain a range of data checking algorithms to ensure the data is complete, correct and matches the system settings. (e.g. the import routines for sales forecast and actual orders will test for compatibility between the dates in the data and the dates in the dataset currently loaded in the system.

It is recommended that a routine is established which places all files for import into a specific location prior to them being required by the system.

Import Sales Forecast

Field Name	Field Type	Comments
Item Code	Character	Mandatory
Bucket Date	Character	Mandatory, DD-MMM-YY, e.g. 09-Nov-10
Quantity	Numeric	Mandatory

As with other import routines this routine will ask the user to point to the import file and will then import the data accordingly. It is important to recognise that the sales forecast (and the actual orders) drive the system in terms of which items are planned. The system will attempt to plan all items in the sales forecast and will create error logs for any items not found in the Master Product Data. An item will not be planned if it not either

- a. In the sales forecast
- b. In the imported actual orders or
- c. Linked through the Bill of Materials to a parent item which is in either of the above

Importing Sales Forecast data will cause all actual orders data to be reset and this must be reimported after the import of the sales forecast.

Import Actual Customer Orders

Field Name	Field Type	Comments
Item Code	Character	Mandatory
Bucket Date	Character	Mandatory, DD-MMM-YY, e.g. 09-Nov-04
Quantity	Numeric	Mandatory

Customer orders must be imported after the sales forecast.

When the MPS algorithm is run the forecast will be consumed by the orders in accordance with the rules set out in the [forecast consumption](#) part of the dataset.

Import Stock and Committed MPS

These two elements are linked together as they both form part of the creation of the opening position for the system. It is possible however to import each of the 2 elements independently by simply pressing escape when prompted to point to one or other of the files. The remaining element can then be imported by rerunning the routine when ready. Similarly if one of the elements has changed and requires reimport this can be achieved without affecting the other by importing alone as described above.

Opening Stock

There are two options for opening stock depending on whether the dataset has been configured to respect [shelf life of inventory](#) or not.

If shelf life is not used then the format for the import file is

Field Name	Field Type	Comments
Item Code	Character	Mandatory
Quantity	Numeric	Mandatory

If shelf life is to be respected then the data format must be

Field Name	Field Type	Comments
Item Code	Character	Mandatory
Quantity	Numeric	Mandatory
Date	Character	Optional normally “dd-mmm-yyyy”

If shelf life is to be respected and the data format without is used then no shelf life expiry will be set and if shelf life is set not to be respected but a format with the expiry date is imported the field will be ignored.

Future Stock Arrivals

Particularly where Veloc is used to calculate Material Requirements (MRP) it is important that data on future planned arrivals is imported. The user will be prompted for this data once current stocks have been successfully imported.

The import format is

Field Name	Field Type	Comments
Item Code	Character	Mandatory
Quantity	Numeric	Mandatory
Date	Character	Mandatory “dd-mmm-yyyy”

Where the date is the planned arrival date.

Bucket Zero MPS (or remaining/outstanding/committed production)

Field Name	Field Type	Comments
Item Code	Character	Mandatory
Quantity	Numeric	Mandatory

N.B. All of the above imported elements – opening stock, committed production, forecasted sales and actual sales are constantly changing and impacting one on the other. It is essential that the business decides upon a snapshot time when all these elements are used to create the import files so that they accurately reflect a starting position.

Without proper consideration this can lead to errors and apparent planning discrepancies. It is highly recommended that this is thought through in a structured way and that the accuracy and compatibility of all import data is tested and verified.

The accurate starting position is essential for proper system function,

[See also here for more information](#)

Import Product Data

All of the Master Product Data can be imported and indeed it is highly recommended that if the business has an ERP system then this should form the main repository of the system parameters and they should be imported each time the system is run.

It is possible to enable a routine which always forces new data import with or without user confirmation on connecting to a dataset. If this is required contact Veloc or your implementing consultant and this will be set for your deployment of the system.

Field Name	Field Type	Comments
Item Code	Character	Mandatory
Description	Character	Optional
Descriptor 1	Character	Optional
Descriptor 2	Character	Optional
Descriptor 3	Character	Optional
Product Change Group	Character	Optional - Used for Sequencer Setup Groups
Target Minimum Stock (Days)	Numeric	Mandatory
PSU per Tonne*	Numeric	Optional
PSU per Pallet*	Numeric	Optional
PSU per Std Unit*	Numeric	Optional
Cost per PSU*	Numeric	Optional
Lead Time	Numeric	Mandatory
Max Stock (Days)	Numeric	Optional
Number of possible Production Routes	Integer	Mandatory, must equal the number of options
Priority Line 1**	Character	Mandatory, must be a valid Resource
Priority Line 2	Character	Optional, must be a valid Resource
Priority Line 3	Character	Optional, must be a valid Resource
Priority Line 4	Character	Optional, must be a valid Resource
Priority Line 5	Character	Optional, must be a valid Resource
Run rate per hour Option 1	Numeric	Mandatory
Run rate per hour Option 2	Numeric	Optional
Run rate per hour Option 3	Numeric	Optional
Run rate per hour Option 4	Numeric	Optional
Run rate per hour Option 5	Numeric	Optional
Minimum Batch Size Option 1	Numeric	Mandatory
Minimum Batch Size Option 2	Numeric	Optional
Minimum Batch Size Option 3	Numeric	Optional
Minimum Batch Size Option 4	Numeric	Optional
Minimum Batch Size Option 5	Numeric	Optional
Incremental Lot Size Option 1	Numeric	Mandatory
Incremental Lot Size Option 2	Numeric	Optional
Incremental Lot Size Option 3	Numeric	Optional
Incremental Lot Size Option 4	Numeric	Optional
Incremental Lot Size Option 5	Numeric	Optional

Set Up Time Option 1	Numeric	Mandatory
Set Up Time Option 2	Numeric	Optional
Set Up Time Option 3	Numeric	Optional
Set Up Time Option 4	Numeric	Optional
Set Up Time Option 5	Numeric	Optional
Production Pattern Option 1***	Integer	Mandatory, must be a valid pattern number
Production Pattern Option 2***	Integer	Optional, must be a valid pattern number
Production Pattern Option 3***	Integer	Optional, must be a valid pattern number
Production Pattern Option 4***	Integer	Optional, must be a valid pattern number
Production Pattern Option 5***	Integer	Optional, must be a valid pattern number

Import Product Component Structure (Bill of Materials)

Again this data should ideally be re-imported on connection to a dataset to ensure it is up to date and complete.

Field Name	Field Type	Comments
Item Code	Character	Mandatory
Component 1 Item	Character	Mandatory
Component 1 Multiplier	Character	Mandatory
Component 2 Item	Character	Optional
Component 2 Multiplier	Character	Optional

The structure of the Bill of Materials is based upon a “Quantity per” so for each parent item the quantity of each of the components is the amount required to complete one planning unit. N.B. Waste should be built into these quantities in sufficient quantities to reflect reality.

Import Promotional Data

Field Name	Field Type	Comments
Item Code	Character	Mandatory
Bucket Date	Character	Mandatory, DD-MMM-YY, e.g. 09-Nov-04
Quantity of Base Volume	Numeric	Mandatory
Quantity of Promotional Volume	Numeric	Mandatory

Promotional volume is NOT used as a source of demand for planning purposes. Importing promotional data will not impact on the plans created by the system. The purpose of importing

promotional data is to be able to highlight capacity consumption by promotional vs. standard or base volume in certain reports.

This completes the import of data into the Veloc system. Importing of data should be relatively simple and straightforward. It is our view that this is often overcomplicated by the desire of IT functions to tie system databases together. Whilst this is possible with Veloc we do not place this as part of the stand implementation. We are happy to quote for creating such integration.