Download Specification

1. Overview

This document outlines the specification for providing a csv or text file for downloading works orders from MRP/ERP into the Intouch i4 Cloud system.

2. File Format

The download file will be a simple, flat, delimited text file.

The file will contain one line for each job to be downloaded. All lines will have the same format. The fields of each line will be as follows:

Field #	Field Name	Type	Required	Notes
1	Unique Identifier	string		a
2	Order Number	string		a/b
3	Part Code	string		b
4	Description	string		b
5	Order Quantity	Number	✓	
6	Due Date	Date/Time		
7	Part Weight	Number		
8	Material	string		
9	Machine	string		c
10	Cavities	Number	✓	
11	Tool Number	string		
12	Standard Cycle Time	Number	✓	d
13	Setup Time	Number		e
14	Text 1	string		f
15	Text 2	string		f
16	Text 3	string		f
17	Text 4	string		f
18	Text 5	string		f
19	Number 1	Number		f
20	Number 2	Number		f
21	Number 3	Number		f
22	Number 4	Number		f
23	Number 5	Number		f

Notes:

a) If you want to download changes to orders that have already been downloaded then each job must have a unique identity field. This can be the order number. If the order number is not unique then a separate unique identifier must be supplied in the first field.

b) Order Number, Part Code and Description are not strictly required for Intouch to operate, but they are likely to be needed to get full benefit from the system.

c) If the machine name is specified, the job will be downloaded to that machine.

d) Standard cycle time.
   i)   For discreet production processes such as injection moulding, blow moulding etc. this is the standard cycle time of the process, specified in seconds.
   ii) In the case of continuous production processes such as extrusion, this should represent the expected rate of production. This could be in Kg/hour, feet/s, m/hour etc. This rate must be specified in a way that is compatible with the method used to monitor the machine (e.g. if we are counting meters of extrusion, the standard rate needs to be specified in meters per second, hour or minute).

e) Setup time to be specified in minutes.

f) These fields enable the inclusion of other additional text or number fields. You may for example want to include the customer name, material or product packing information.

The file may contain all live jobs on your MRP/ERP system, or just new jobs. If it contains all live jobs then there must be a unique identifier for each job (see note a) so that Intouch can determine if that job has already been downloaded previously.

3. Field Formats

3.1 Date Format

Any dates in the file will be in one of the two following formats:

- DD/MM/YYYY hh:mm   (time portion is optional)
- MM/DD/YYYY hh:mm   (time portion is optional)

You must agree with Intouch which date format you will be using.

3.2 Number Format

Any numbers in the file will be in one of the three following formats:

- 0
- 0.00
- 0,00

You must agree with Intouch which number format(s) you will be using.

4. Downloading

You will agree with Intouch the location where the download file will be posted. This is normally a folder on a computer on your factory's network. Intouch will poll this location continuously. When a file is posted to this location Intouch will automatically consume the file and then delete it.