**Functional Specification**

**Mega Market Logistics Addon**

Release: Draft

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# Report History

## Document Location

This document is only valid on the day it was printed.

The source of the document will be found at

## Revision History

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| --- | --- | --- | --- | --- |
| **Revision date** | **Author** | **Version** | **Summary of Changes** | **Changes marked** |
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## Approvals

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# Purpose

The purpose of this document is to summarise the functional requirements of developments that are required as either modifications or add on to the SAP Business One system. It is not a system solution, but a guideline of the required system functionality.

The document sets out detail of

* Metrics
* User types
* The modules
* User tasks
* Functional requirements of each module.

# Background

Mega Market is distributor of frozen and dry foods, they import rice, macaroni, spaghetti, kapenta and tomato sauce. There are using the purchase module for the procurement with the standard function, the general ledger for debtors’ management, banking module for their banking, payments and receipts. The Sales module is used on for orders, invoicing and credit notes. The inventory module is used for inventory management, the Pick and Pack List is then used to group the Sales orders for delivery plan and to also pick the truck, driver and delivery person assigned to the delivery. The logistics departments has its own trucks and manages the workshop.

# Metrics

The system is required to cater for the following approximate current volumes

|  |  |
| --- | --- |
| Number of Trucks |  |
| Number of drivers | 22 |
| Number of Delivery people |  |
| Number of Trailers |  |

# 

# Scope Logistics Departments

## In Scope

From the entrance there should be login platform to put in the Registration Number of the truck, the name of the driver and delivery person this will automatically add to the master data of trucks, drivers and delivery people and make them available. The truck goes to the workshop a job card created if there is need to repair then the truck is repaired and costs should be linked to expenses. At the pick list process a user should be able to see the available trucks, driver and delivery men available and the tonnage of the truck so as to be able to pick the truck’s tonnage and make the pick list basing on the tonnage of the truck picked. When the truck, driver and delivery men are picked on the pick list process from inventory module the status should then change from available to committed then the truck goes to the weigh bridge to be weighed while its empty and the tonnage is recorded on the truck. It goes the warehouse and it’s loaded with the goods and goes to the weighbridge again and the tonnage recorded on the truck. When the truck leave the premises and log out on the platform there should all change to not available. When the delivery truck leaves with the driver it should have a checklist when it comes back, to tick off the items that they would have brought back i.e signed delivery note and confirmation of receipt of invoice and the process starts again when the vehicle come back.

## Out of Scope

Tracking of vehicles after they leave the Mega Market

# Timescales and Priorities

The functional process of the software is required by the client to be up and running on the 31th of March 2017 and the priority is high as the delivery planning and tracking process will be based on software.

# Summary of Business Requirements

The logistics department where we need to have a database of all delivery trucks, tonnage, Registration, drivers and delivery people. Have a login platform to enter the details as the truck enters the premises then track tem up until they logout when existing to make a delivery.

# Policy and Issues

It should be created in a more user friendly manner and easy to navigate and the users are not that well vested with using the computer.

# Summary of Functional Areas



# Functional Requirements by Module

This section sets out the functional requirements of the system by module. It would include details of key functions that the system must perform:

* Key processes (including bulk processes, workflows etc)
* Creation/Amendment/Deletion of records

The requirements set out here are ranked in **M**o**SC**o**W** order:

M – Must Have  
S – Should Have  
C – Could Have  
W – Would like to have

## Module 1 : PROG

To manage and administer an overall Programme for a Department

| **Function Id** | **1. PROGRAMME Functional description** | **Priority Level**  **(MoSCoW)** | **Key Analysis Points/Notes** | **Business Requirement (in SoR)** |
| --- | --- | --- | --- | --- |
| 1.1 | Allow users at login to pick items in the database for selection  Have a field to tick on if drivers that bring documents back  Have an attachments field to attach documents | M  M  M |  |  |
| 1.2 | Ability to select, cut and paste departmental information above into Excel for further off-system data analysis | M |  |  |

# Screens and Workflows

# User Interface Description

The UID should be basic and similar to SAP Business One UID

# Interfaces to other systems

# *The logistics add on is to sync its database with the Stock management. The fields for driver name and vehicle can be selected as a pick list is being constructed such that a driver or vehicle can be selected preferably filtered according to the log in time. The add on should show the type of vehicle, tonnage as well as the driver. Although the database holds a pool of all the checked in vehicles, only vehicles that have been checked and deemed fit at e workshop should be availed for selection. Vehicles in Once the pack list is completed then the vehicle should show that its unavailable for selection.*

# Reporting

*Details of any reports required including:*

* *Selection criteria*
* *Sorting and sub-totalling criteria*
* *Values to be shown in output columns*
* *All fields selected and created*

*Variants between*

*The intended recipients of each report should be recorded.*

# Users and Security

* *There should be 3 type of users*

1. *Those who input the details at login and logout by the truck and the driver*
2. *Those who are able to see the available driver, truck and delivery person and select to assign to a pick and pack list*
3. *Those who view reports and are super users*

* *On security when you login to SAP Business one you should be able to use the add-on*

# System administration and maintenance

*The data in the system will be administered by the client and DBS will be in charge of system administration and upgrades.*

# Non-Functional Requirements