

## **7.0 SYSTEM TESTING AND VERIFICATION**

### **NOTES FOR GUIDANCE:**

System testing and verification is a crucial part of the system acceptance and is the opportunity to ensure that the system meets all aspects of the specification. The programme vendor will also use this as a means of gaining acceptance of the system and its installation although a period of 'live' use should precede any formal acceptance.

Testing should be carried out in a test database that must be populated with applicable data that will be used in a live environment and not test data. Pre-configured test data should only be used for testing the impact of system adjustments or for training purposes once the system is installed, established and operating correctly.

### **TEST TYPES:**

Testing should take the following form:

- Parametric testing (eg Yields, AOQ, pan size, Unit of measure, source code etc.)
- BOM testing
- Testing of transactions
- Reports
- MPS output validity (Single level and multi level if applicable)
- MRP output validity (Full regeneration and net change)

The following table represents the minimum testing requirement in terms of processes and transactions that should be verified as working correctly for system acceptance:

Item	Description of item to be tested	Done?	Concerns	Owner
<b>1.0</b>	<b>FUNCTIONAL TESTING</b>			
1.1	Demand sources			
1.2	Product configurations			
1.3	Forecast consumption			
1.4	System triggers (credit limit exceeded, escalation of overdue orders, kanbans etc.)			
1.5	Inventory movements			
1.6	Re-order points			
1.7	Time fencing			
1.8	Reschedule and order action validity			
1.9	Capacity limits, workstation loading			
1.10	Pick logic			
1.11	Ship consolidation logic			
1.12	Cycle count logic			
1.13	Sales order price field "pick-up" from pricing table			
	<b>Continued</b>			