



Manufacturing Planning and Control Information Systems

MC00 What commercial software does your facility use for manufacturing planning and control (e.g., SAP, JD Edwards, BPCS, software developed in-house, etc. or none)? _____

MC01 If the facility uses commercial software, to what extent has it been customized?	Not at all			Some Customization			Highly customized
	1	2	3	4	5	6	7

MC02 How many years has this facility used a computerized information system for manufacturing? _____years

MC03 How many months has the current information system been in place? _____months

MC04 To what extent is the software used for manufacturing strategic planning (more than one year into the future)?	Not at all			Some			Always
	1	2	3	4	5	6	7

MC05 Using the information system, how frequently does manufacturing communicate manufacturing data with the following areas?	Not at all	Annually	Monthly Meeting	Weekly meeting	Several times a week	Daily	Several times a day
MC05.A Engineering	1	2	3	4	5	6	7
MC05.B Marketing	1	2	3	4	5	6	7
MC05.C Accounting	1	2	3	4	5	6	7
MC05.D Finance	1	2	3	4	5	6	7
MC05.E Personnel	1	2	3	4	5	6	7
MC05.F Customers	1	2	3	4	5	6	7
MC05.G Suppliers	1	2	3	4	5	6	7

MC06 What are the primary methods of communication between manufacturing and the following areas?	Do not Communicate	Personal Discussions	Company Memo	Phone call	E-mails	Intranet/ Extranet	Electronic Data Interchange
MC06.A Engineering	1	2	3	4	5	6	7
MC06.B Marketing	1	2	3	4	5	6	7
MC06.C Accounting	1	2	3	4	5	6	7
MC06.D Finance	1	2	3	4	5	6	7
MC06.E Personnel	1	2	3	4	5	6	7
MC06.F Customers	1	2	3	4	5	6	7
MC06.G Suppliers	1	2	3	4	5	6	7

MC07 Please indicate how manufacturing operations data are recorded (Inventory transactions, production order status)	Manually written or typed on paper files	Manually typed into computerized system	Bar codes	Automatic data capture (using, RFID, etc)
	1	2	3	4



MC08 Please indicate the frequency of revising MPC data.	Less than annually	Annually	Monthly	Weekly	Every order
MC08.A How often are manufacturing bills of material revised?	1	2	3	4	5
MC08.B How often are routings revised?	1	2	3	4	5
MC08.C How often are manufacturing batch sizes revised?	1	2	3	4	5
MC08.D How often are safety mechanisms (safety stocks, safety times, etc) revised?	1	2	3	4	5
MC08.E How often are manufacturing lead times revised?	1	2	3	4	5

MC09 Primarily, how are each of the following major planning and control activities performed?	No Formal System	Manually	Desktop Software	Custom Software	Commercial Software	Modified Commercial Software
MC09.A Material planning (Material Requirements Planning	0	1	2	3	4	5
MC09.B Inventory Control (quantity/ location accuracy)	0	1	2	3	4	5
MC09.C Labor planning (Capacity Requirements Planning)	0	1	2	3	4	5
MC09.D Shop Floor Control (Production Activity Control)	0	1	2	3	4	5
MC09.E Cost planning (Pro forma statements)	0	1	2	3	4	5

MC10 Overall, to what extent are you satisfied with the current manufacturing planning and control systems?	Very Dissatisfied			Neither Satisfied nor Dissatisfied			Very Satisfied
MC10.A Material planning (Material Requirements Planning	1	2	3	4	5	6	7
MC10.B Inventory Control (quantity/ location accuracy)	1	2	3	4	5	6	7
MC10.C Labor planning (Capacity Requirements Planning)	1	2	3	4	5	6	7
MC10.D Shop Floor Control (Production Activity Control)	1	2	3	4	5	6	7
MC10.E Cost planning (Pro forma statements)	1	2	3	4	5	6	7

MC11 Over the last two years, to what extent have the benefits and costs affected the total operations benefits and total operations costs? (Example, for an increase in cost of ten percent would be "5".)	Decreased more than 30%	Decreased 16-30%	Decreased 1-15%	0% (no change)	Increased 1-15%	Increased 16-30%	Increased more than 30%
MC11.A How have total operations benefits changed by the manufacturing information system?	1	2	3	4	5	6	7
MC11.B How have total operations costs changed by the manufacturing information system including the cost of buying and maintaining and information system?	1	2	3	4	5	6	7

MC12 Please indicate the primary way of determining Manufacturing data.	Experience	Statistical methods	Mathematical Optimization
MC12.A Manufacturing batch sizes	1	2	3
MC12.B Lead times and routings	1	2	3
MC12.C Safety stocks, safety lead times	1	2	3