



Company Name:

Date Completed:

Digital Manufacturing Evaluation

Instructions for filling out evaluation:

The purpose of the Digital Manufacturing Evaluation is to assess current capabilities in key areas of managing company information. It is part of a larger assessment that CCAT conducts for a company's entire manufacturing operations. The answers are intended to be determined from your *entire* company in group consensus. Each key stakeholder provides a unique perspective on answering the question and an answer with the entire group's input is critical to the success of the evaluation. More accuracy and objectivity may be achieved if information consultants/subject matter experts such as Triple Helix Corporation are involved to ask qualifying questions and facilitate the discussion.

Scoring:

- One point is awarded for each checked answer.
- Objectively qualify with your team that an item checked is truly being performed and adding value to the company. If it is not, enter "0" as the answer.
- Some items may have different qualitative 'levels' depending on your company's specific activities. If the spirit/intent of the item is being performed by your company's operations, then it is valid. Conversely, if you are doing the item, but you feel there is significant room for improvement, this is a topic worthy of further investigation by your team.

Final Scoring: <10 points = Opportunities for Improvement, 10-19 points = Baseline Level, 20+ points = Exceptional

Information Management

Score each item either 1 (condition exists) or 0 (does not exist)

1	A Manufacturing Execution System (MES), Enterprise Resource Planning (ERP) or other similar production control software is used to run the business.	
2	Information from this system (MES or ERP/MRP) is available without the need to export data manually (e.g. Excel spreadsheets).	
3	Information system (MES or ERP/MRP) eliminates/minimizes need to manually collect/manipulate data.	
4	Visible electronic signaling and messaging (not white boards) exists in the shop areas and is updated automatically from your information system.	
5	Production data is collected/sent electronically, either through wireless or other means (e.g. MT-Connect).	
6	Work instructions are delivered to and used by operators on the shop floor electronically.	
7	Production, quality, lean, and other key metrics are updated automatically and reported from your information management system.	
8	Data/information is exchanged with customers or suppliers electronically (e.g. EDI).	

Data Visibility

9	Critical data (e.g. customer satisfaction, financials, operations, inventory) is easily and visually available.	
10	Company interacts with critical data in real-time and uses it to make decisions.	
11	Customer demand and production capacity is monitored in real-time and visible to management.	
12	Gaps in demand or capacity trigger automated notifications to management to make changes.	
13	Inventory is tracked with visibility to turns and impact to financials in real-time.	

Data-Driven Process

14	Feedback from production process is real-time/continuous and used to manage the process.	
15	Data captured from process is used for process analysis.	
16	Measurement information is captured electronically and stored for future reference.	
17	Customer feedback is captured electronically.	
18	Customer feedback feeds into a root cause, corrective action system which categorizes, tracks and reports automatically.	
19	Scrap/rework is tracked automatically, with impact to financials reported and accessible in real-time.	
20	Supplier performance is tracked automatically within your systems.	
21	Suppliers are provided reports/feedback/scorecards generated automatically from your systems.	
22	Material traceability and certificates are tracked electronically and information easily recalled	

Information Security and Protection

23	Data is categorized in terms of its value or sensitivity level, and policies/procedures are implemented to protect it.	
24	Monitoring controls are in place to track who is accessing data based on its value or sensitivity.	
25	Backup systems are in place which have been tested and verified to fully recover your data in the event of a disaster.	