



FLATE's Engineering Technology Institute III:
 Building Florida's Manufacturing Career Pathways
 47th Annual FACTE Conference & Trade Show
 July 29, 20123

Activity II-Summary Report: Review MSSC production standards & Identify key vocabulary

Goal: To ensure that E. T. instructors and students learn key vocabulary used today in high-performance advanced manufacturing workplace.

Activity description: Using the MSSC standards identify those words in each that students should learn to score higher in MSSC test & improve their success in finding better jobs. Review material by function of production: *Safety, Quality Practices & Measurement, Manufacturing Process & Production, and Maintenance Awareness* Identify/write the word in the provided tables (include definition, page # and item # where you found the word).



Material compiled during FLATE – 2013 FACTE workshop by workshop attendees
 FLATE is a Center of Excellence serving the entire state of Florida, funded by a grant from the National Science Foundation (award # 1204751), and is the go-to organization for manufacturing and advanced technical education best practices and resources supporting the high performance skilled workforce for Florida's manufacturing sectors.



FLATE's Engineering Technology Institute III:
 Building Florida's Manufacturing Career Pathways
 47th Annual FACTE Conference & Trade Show
 July 29, 20123

**Activity II-Summary Report: Review MSSC production standards &
 Identify key vocabulary**

Safety		
Word	In Page #	Item #
MSDS	6	2
HAZARD	4	2
LOCK-OUT-TAG-OUT	6	2.8
HAZ MAT	7	4.9
EFFICIENCY	5	10.D
FRONTLINE PRODUCTION		
PROACTIVE		
OSHA	7	4.6
AUTOMATED PROCESSES	6	3.8
SUB-INDUSTRIES	6	1.3
PNEUMATIC	6	3.8
ERGONOMIC	5	6.A
AUDIT	9	1
HOUSE KEEPING	5	8.G
INTERNAL CUSTOMERS		
EXTERNAL CUSTOMERS		



Material compiled during FLATE – 2013 FACTE workshop
by workshop attendees

FLATE is a Center of Excellence serving the entire state of Florida, funded by a grant from the National Science Foundation (award # 1204751), and is the go-to organization for manufacturing and advanced technical education best practices and resources supporting the high performance skilled workforce for Florida's manufacturing sectors.



FLATE's Engineering Technology Institute III:
 Building Florida's Manufacturing Career Pathways
47th Annual FACTE Conference & Trade Show
 July 29, 20123

**Activity II-Summary Report: Review MSSC production standards &
 Identify key vocabulary**

Safety cont.

Word	In Page #	Item #
PATHOGENS		
REGULATORY REQUIRMENTS		
ALIGN		
CALIBRATION		
CORRECTIVE ACTION	4	2.B, 4.B



Material compiled during FLATE – 2013 FACTE workshop
 by workshop attendees
 FLATE is a Center of Excellence serving the entire state of Florida, funded
 by a grant from the National Science Foundation (award # 1204751), and
 is the go-to organization for manufacturing and advanced technical
 education best practices and resources supporting the high performance
 skilled workforce for Florida's manufacturing sectors.



FLATE's Engineering Technology Institute III:
 Building Florida's Manufacturing Career Pathways
 47th Annual FACTE Conference & Trade Show
 July 29, 20123

**Activity II-Summary Report: Review MSSC production standards &
 Identify key vocabulary**

Quality Practices & Measurement		
Word	In Page #	Item #
NON CONFORMANCE	11	1.1
SUBSTANDARD	11	1.7
VALIDATE	12	3.4
SEGREGATED	12	3.7
VERIFIABLE	12	4.3
PROTOCOL	12	4.4
VISUALIZING	12	5.1
CALIBRATION	11	2.12
ANALYZED	10	8.1
IMPARING	12	3.3
ASSEMBLIES	12	4.2
INSPECTION	12	4.6
ROUTE	12	4.8
MULTI- VIEW	12	5.2
DIMENSIONS	12	5.3
TOLERENCES	12	5.3
GEOMATRIC	12	5.4



Material compiled during FLATE – 2013 FACTE workshop
 by workshop attendees
 FLATE is a Center of Excellence serving the entire state of Florida, funded
 by a grant from the National Science Foundation (award # 1204751), and
 is the go-to organization for manufacturing and advanced technical
 education best practices and resources supporting the high performance
 skilled workforce for Florida's manufacturing sectors.



FLATE's Engineering Technology Institute III:
 Building Florida's Manufacturing Career Pathways
 47th Annual FACTE Conference & Trade Show
 July 29, 20123

**Activity II-Summary Report: Review MSSC production standards &
 Identify key vocabulary**

Quality Practices & Measurement, Cont.		
Word	In Page #	Item #
QUALITY	11	1.1
SPECIFICATIONS	11	1.2
DEFECT PATTERNS	11	1.4
INACCURACIES	11	1.9
OCCURRENCES	11	1.6
QUALITY ASSURANCE	11	1.11
SPC	11	2.1
TQM	11	2.1
SIX SIGMA	11	2.1
LEAN MANAGEMENT	11	2.1
PLAN-DO-CHECK-ACT	11	2.1
ISO STANDARDS	11	2.1
PARETO	11	2.3
RCFA	11	2.6
ACCURACY	11	2.8
PRECISION	11	2.8
CORRECTIVE ACTION	12	3.1
DEFECTIVE	12	3.6



Material compiled during FLATE – 2013 FACTE workshop
 by workshop attendees
 FLATE is a Center of Excellence serving the entire state of Florida, funded
 by a grant from the National Science Foundation (award # 1204751), and
 is the go-to organization for manufacturing and advanced technical
 education best practices and resources supporting the high performance
 skilled workforce for Florida's manufacturing sectors.



FLATE's Engineering Technology Institute III:
 Building Florida's Manufacturing Career Pathways
 47th Annual FACTE Conference & Trade Show
 July 29, 20123

**Activity II-Summary Report: Review MSSC production standards &
 Identify key vocabulary**

Quality Practices & Measurement, Cont.		
Word	In Page #	Item #
EVIDENCE	12	4.3
AUDIT	12	4.4
STATISTICAL METHOD	12	4.8
MICROMETER	12	6.5
ASSEMBLY DRAWINGS	12	6.5
DIGITAL CALIPERS	12	6.4
DIAL CALIPERS	12	6.4
DIAL INDICATOR	12	6.6
DIGITAL GAGE	12	6.7



Material compiled during FLATE – 2013 FACTE workshop
 by workshop attendees
 FLATE is a Center of Excellence serving the entire state of Florida, funded
 by a grant from the National Science Foundation (award # 1204751), and
 is the go-to organization for manufacturing and advanced technical
 education best practices and resources supporting the high performance
 skilled workforce for Florida's manufacturing sectors.



FLATE's Engineering Technology Institute III:
 Building Florida's Manufacturing Career Pathways
 47th Annual FACTE Conference & Trade Show
 July 29, 20123

**Activity II-Summary Report: Review MSSC production standards &
 Identify key vocabulary**

Manufacturing Process & Production		
Word	In Page #	Item #
INTERNAL CUSTOMER	13	1A
EXTERNAL CUSTOMER	13	1A
SPECITICATION	13	1B
PRODUCT ASPECT	13	1B
CUSTOMER NEED	13	1C
PROCATIVE	13	1F
SHIFT-TO-SHIFT	13	1E
RAW MATERIAL	13	2A
TOOL	13	2B
EQUIPMENT	13	2B
WORK ORDER	13	2A
RESOURCE	13	2
DISCREPANCY	13	2C
WORK STATION	13	2D
SKILL	13	2E
SET-UP	13	3B
PRODUCTION	13	2



Material compiled during FLATE – 2013 FACTE workshop
 by workshop attendees
 FLATE is a Center of Excellence serving the entire state of Florida, funded
 by a grant from the National Science Foundation (award # 1204751), and
 is the go-to organization for manufacturing and advanced technical
 education best practices and resources supporting the high performance
 skilled workforce for Florida's manufacturing sectors.



FLATE's Engineering Technology Institute III:
 Building Florida's Manufacturing Career Pathways
 47th Annual FACTE Conference & Trade Show
 July 29, 20123

**Activity II-Summary Report: Review MSSC production standards &
 Identify key vocabulary**

<i>Manufacturing Process & Production, Cont.</i>		
Word	In Page #	Item #
PROCESS	13	3A
PROCESS REQUIREMENT	13	3A
PROCUTION RUN	13	3C
PIECE	13	3C
FIRST PIECE	13	3C
REPEATABILITY	13	3D
ERGONOMIC	13	3E
ENVIRONMENTAL STANDARDS	13	3F
HEALTH STANDARDS	13	3F
TEAM GOAL	13	4A
TEAM	13	4A
BUSINESS NEED	13	4B
OBJECTIVE	13	4C
PRODUCTION SCHEDULE	14	6A
DOWN TIME	14	6D
MATERIAL SPECIFICATION	14	7B



Material compiled during FLATE – 2013 FACTE workshop
 by workshop attendees

FLATE is a Center of Excellence serving the entire state of Florida, funded by a grant from the National Science Foundation (award # 1204751), and is the go-to organization for manufacturing and advanced technical education best practices and resources supporting the high performance skilled workforce for Florida's manufacturing sectors.



FLATE's Engineering Technology Institute III:
 Building Florida's Manufacturing Career Pathways
 47th Annual FACTE Conference & Trade Show
 July 29, 20123

**Activity II-Summary Report: Review MSSC production standards &
 Identify key vocabulary**

<i>Manufacturing Process & Production, Cont.</i>		
Word	In Page #	Item #
CROSS FUNCTIONALITY	14	7D
PRODUCT	14	7E
PROCESS CONTROL	14	8A
DATA	14	8A
COMPLIANCE	14	8D
NON-COMPLIANCE	14	8D
SHIPPING	14	9
DISTRIBUTION	14	9
SIGN OFF	14	9D
REGULATION	14	10F
SHIPPING SPECIFICATION	14	10A
SHIPPING INSTRUCTION	14	10B
PACKAGING	14	10A
CUSTOMER PACKAGING	14	10B
LABELLING	14	10A
DESTINATION	14	10A
STAGED FOR SHIPPING	14	10E



Material compiled during FLATE – 2013 FACTE workshop
 by workshop attendees

FLATE is a Center of Excellence serving the entire state of Florida, funded by a grant from the National Science Foundation (award # 1204751), and is the go-to organization for manufacturing and advanced technical education best practices and resources supporting the high performance skilled workforce for Florida's manufacturing sectors.



FLATE's Engineering Technology Institute III:
 Building Florida's Manufacturing Career Pathways
 47th Annual FACTE Conference & Trade Show
 July 29, 20123

**Activity II-Summary Report: Review MSSC production standards &
 Identify key vocabulary**

<i>Manufacturing Process & Production, Cont.</i>		
MATERIAL HANDLING	14	10G
PRODUCT DAMAGE	14	10G
RELEVANT	14	10D
BOTTLENECK	15	1.6
DOCUMENTED	14	7F
MANUFACTURING PROCESS CYCLE	14	8B
LEAD TIME	15	1.7
ADDITIVE MANUFACTURING	15	2.13
VERNIER	15	13.3
SUB-ASSEMBLY	16	4.5
COMPLIANCE TAG	16	4.5
LEGIBLE	14	9D



Material compiled during FLATE – 2013 FACTE workshop
 by workshop attendees
 FLATE is a Center of Excellence serving the entire state of Florida, funded
 by a grant from the National Science Foundation (award # 1204751), and
 is the go-to organization for manufacturing and advanced technical
 education best practices and resources supporting the high performance
 skilled workforce for Florida's manufacturing sectors.



FLATE's Engineering Technology Institute III:
 Building Florida's Manufacturing Career Pathways
 47th Annual FACTE Conference & Trade Show
 July 29, 20123

**Activity II-Summary Report: Review MSSC production standards &
 Identify key vocabulary**

<i>Maintenance Awareness</i>		
Word	In Page #	Item #
TPM	18	1.1
COLLECTIVE BARGANING	18	1.5
TROUBLE SHOOTING	18	1.3
PREVENTATIVE MAINTENANCE	18	1.4
LOGGING	18	1.4
MSDS	18	4.4
SCHEMATIC	18	3.3
LOCK-OUT-TAG-OUT	18	5.5
PNEUMATIC	19	5.2
HYDRAULIC	19	5.3



Material compiled during FLATE – 2013 FACTE workshop
 by workshop attendees
 FLATE is a Center of Excellence serving the entire state of Florida, funded
 by a grant from the National Science Foundation (award # 1204751), and
 is the go-to organization for manufacturing and advanced technical
 education best practices and resources supporting the high performance
 skilled workforce for Florida's manufacturing sectors.