

Industry/Segment: Email: Phone:

Multi-State Advanced Manufacturing Consortium

US DOL SPONSORED TAACCCT GRANT: TC23767

MSAMC Master Performance Based Objectives (PBO) Review Template

 Instructions

 The following tab lists PBOs for the topic area Lean . Please review each of the PBOs, and rate each PBO with one of the following ratings:

 1 = Skill or understanding is required for employees.

 2 = Skill is useful, but is not crucial for employees.

 3 = Skill is not useful for employees, or isn't relevant for typical work assignments.

 0 = PBO is unclear.

 Additionally, for each PBO, note any comments or recommendations that you may have about how to improve the PBO. If any PBOs or skill sets seem to be missing from the list, please add them in the space at the bottom of the list.

 Please enter your information below

 Name:

 Company/Plant:

 Department/Division:

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Lean

M-S AMC Industry Partner PBO Review

Please review the following PBOs to identify the appropriate skill set for a given job title / category / classification (see row 10 below).
* In the "Importance" column, identity how important each PBO is for someone in the relevant position. For each PBO, type 1 if the PBO must be covered in the coursework, enter 2 if the PBO is helpful but not necessary and would not impair the performance of the employee in the workplace if missed, and enter 3 if the PBO would not benefit the student or doesn't apply to the typical work assignments. If you don't understand the PBO, enter 0.

* Note any comments or feedback for improving each PBO (in the "Comments" column). Note: It is the intention of competency based instruction to have each student individually demonstrate their proficiency of the skills indicated.

Reviewing PBOs fc TYPE JOB TITLE HERE (from whose perspective are you rating PBO importance?)

Sub-Topic	Level	Торіс	PBO ID	Performance Based Objective (PBO)	Importance 1 = Need 2 = nice to have 3 = N/A 0= Don't understand	Comments Notes to improve the PBO, PBO is unclear, etc.
		LN	1	Identify the seven forms of waste and give an example of each.	Enter 1, 2, 3, or 0 here	
		LN	2	Identify when it is appropriate to use Continuous Improvement activities and give 2 examples of Continuous improvement associated with the student's place of work.		
		LN	3	List several methods that can be demonstrated by management that reflects an understanding for the Respect for Humanity.		
		LN	4	List the characteristics of quality product.		
		LN	5	Given an integrated system, identify all areas (stations) that reflect the principle of "Quality Built In" and list the additions that could be made in the integrated system to improve this principle.		
		LN	6	Identify the advantages to be realized by		
		LN	7	implementing lean. Identify the Challenges to be addressed when		
	-	LN	8	implementing lean. Identify the impact of Lean on the work force, the organization and the customer		
		LN	9	List two examples of visual management that could be applied to the student's plant.		
		LN	10	List two examples of visual Management that is being applied at the student's plant.		
		LN	11	Define Kanban and identify the major functions associated with this tool. List an example of each function.		
		LN	12	List the 5 "S"s and match to a list of activities that exemplifies each.		
		LN	13	Identify applications of visual controls that can be found in the plant environment.		
	-	LN	14	Define a customer needs and expectations		
		LN	15	"PULL" enterprise. List examples of Andon.		
		LN	16	Develop the arguments for part buffering (temporary storage) and contrast the arguments against a levelled and balanced work schedule.		
		LN	17	Calculate Takt time when given Customer Production requirements, Number of shifts, and production time per shift		

LN	18	Given a line layout, stock positions and quantity, daily production requirements, Daily expected product mix, and etc. Calculate Takt time, Make recommendations for line balancing, work sequence, stock levels and ergonomics.	
LN	19	Given a sample of standardized work, identify the strengths and weaknesses of the form.	
LN	20	Define In-Process stock.	
LN	21	Identify the elements of PDCA and give examples.	
LN	22	Define the "5 why" methodology.	
LN	23	Demonstrate error and mistake proofing given a detailed description of a work cell and common operator error.	
LN	24	Define "Value Added."	
LN	25	Identify the roles of the manager to support lean implementation.	
LN	26	Identify the roles of the worker to support lean implementation	
LN	27	Given an integrated line drawing that reflects all sock, manual actions, machine functions and etc. exercise the Value Stream Mapping principles (VSM) to make recommendations on a process redesign or Continuous Improvement. (As time permits)	
LN	28	Given several case studies, using all applicable tools and principles show above, evaluate the manufacturing situation given, identify the opportunities for improvement and develop an action plan to implement your recommendations.	
LN	29	Given a case studyand using all applicable tools and principles show above, evaluate the Office situation given, identify the opportunities for improvement and develop an action plan to implement your recommendations.	
LN	30	Given a case study and using all applicable tools and principles show above, evaluate the Retail situation given, identify the opportunities for improvement and develop an action plan to implement your recommendations.	
LN	31	When comparing typical mass production environments with a lean environment identify the differing characteristics of process Improvement, Quality, and daily operations of each.	
LN	32	Identify what a lean educational model would look like.	
LN	33	Identify the elements and considerations associated with critical thinking.	
LN	34	Given a case study, identify whether it illustrates leveled production or not.	
LN	35	From the case study in objective 4, determine if it illustrates Just-In-Time Production and be able to defend you analysis in class room discussions.	

		LN	36	Given a case study, determine if the example reflects a level and balanced work flow and suggest possible improvements in Levelized production. Using a case study, demonstrate the ability to apply Root Cause analysis techniques to develop a series of next steps – queries – data to be analyzed, etc.		
Additions: Please	add an	y additio	onal ob	jectives that we may have overlooked.		

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