Measurement Criteria and Core Actions		Level One Novice	Level Two Approaching Proficiency	Level Three Proficiency	Level Four Expert/Leader
III.A. DEFINES A PROBLEM IN THE WORKPLACE.	III.Aa. Describes	III.A.1.a. Recognizes a problem while it occurs.	III.A.2.a. Provides a general description of the problem.	III.A.3.a. Articulates the problem or opportunity with specificity, taking all factors into account.	III.A.4.a. Persuades others that problem is described accurately.
	III.Ab. Diagnoses	III.A.1.b. Detects non- routine incidents or situations.	III.A.2.b. Explores potential causes of incident or situation, e.g., runs tests to collect more data, reviews operational manuals.	III.A.3.b. Analyzes evidence to determine cause of incident or situation, e.g., connects similar situations to issue, recognizes anomalies in the data.	III.A.4.b. Intuits (expert deduction) cause of incident or situation, e.g., diagnoses problem when system says it is fine; does not rely on automation.
	III.Ac. Uses resources to define a problem	III.A.1.c. Uses available technology, tools, and approaches to collect data.	III.A.2.c. Searches for new technology, tools, and approaches to collect and process data.	III.A.3.c. Applies new technology, tools, and approaches with conventional wisdom synthesized from multiple resources to define a workplace problem.	III.A.4.c. Creates new technology, tools, approaches to collect and synthesize data.
III.B. PRACTICES INQUIRY AND REFLECTION (I/R) TO TAKE ACTION IN THE WORKPLACE.	III.Ba. Maintains attitude of openness	III.B.1.a. Expresses curiosity about the entire work environment, e.g., asks questions about workplace practices, the field/industry, and the work at hand.	III.B.2.a. Seeks multiple viewpoints for processing one's work, e.g., learns from novices as well as experts, reads industry articles, asks for explanation of opposing opinions.	criticism of one's work, i.e.,	III.B.4.a. Interacts with others to improve workplace I/R practices and procedures.
	III.B.1.b. Explores for deeper understanding	III.B.2.b. Inquires into specific aspects of workplace practices, the field/industry, and the work at hand.	III.B.3.b. Seeks rationale behind workplace practices and policies, i.e., the reason things are done in one way rather than another.	to demonstrate deeper understanding of workplace	III.B.4.b. Evaluates workplace practices in light of impact on the organization, e.g., relates to policies and procedures.

Measurement Criteria and Core Actions		Level One Novice	Level Two Approaching Proficiency	Level Three Proficiency	Level Four Expert/Leader
III.B. PRACTICES INQUIRY AND REFLECTION (I/R) TO TAKE ACTION IN THE WORKPLACE (CONTINUED).	III.BC. Uses resources for I/R	III.B.1.c. <b>Identifies</b> <b>resources for I/R,</b> e.g., industry events and organizations (trade shows, roundtable discussions, sensitivity training); industry-related articles; industry technology trends.	III.B.2.c. Selects resources for I/R, e.g., seeks continuing education opportunities; reads divergent & unrelated materials (to one's field) to make intellectual connections.	III.B.3.c. Integrates resources into ongoing I/R practices, e.g. relates new learning to workplace events and current work; incorporates informal learning into job, such as coffee breaks, lunch.	III.B.4.c. Ensures I/R resources are available to others in the workplace, e.g., reports, newsletters, workshops.
	III.Bd. Evaluates self	III.B.1.d. <b>Describes activities</b> <b>performed to meet job</b> <b>expectations,</b> e.g., states what was done to meet timelines.	III.B.2.d. <b>Conducts self-</b> <b>assessment</b> , e.g., gathers input on work performance from supervisor and customers; identifies gaps in personal skills.	III.B.3.d. <b>Implements a self</b> - improvement plan.	III.B.4.d. Incorporates practices for continuous improvement.
III.C. TAKES ACTION SUPPORTED BY EVIDENCE AND REASONING TO EXPLAIN CONCLUSIONS AND ACCOMPLISH WORK.	III.Ca. Composes a plan	III.C.1.a. Clarifies the problem or opportunity that requires a course of action.	III.C.2.a. Proposes possible courses of action to address the problem or opportunity, taking into account existing solutions.	III.C.3.a. Selects a course of action after assessing potential alternatives.	III.C.4.a. Establishes a process for planning in the workplace, e.g., template, procedure, process map.
	III.Cb. Constructs a model (visual, symbolic, or linguistic)	III.C.1.b. Identifies factors/patterns related to the problem or opportunity in the work environment, e.g., a chef is missing one ingredient but has extra of another; a retail sales person is overwhelmed with customers and needs a quick solution; an auto tech's diagnostic equipment is not working.	III.C.2.b. Provides a model (visual, symbolic, or linguistic representation) of the key factors/patterns in the problem or opportunity, e.g., creates a diagram, flow chart, map, software program, outlines a recipe, SWAT team diagrams a situation.	III.C.3.b. Uses the model to propose solutions to the problem or opportunity, e.g., changing the recipe, developing a new software, adjusting pattern of work flow.	III.C.4.b. Transfers model to other applications in the workplace.

Measurement Criteria and Core Actions		Level One Novice	Level Two Approaching Proficiency	Level Three Proficiency	Level Four Expert/Leader
III.C. TAKES ACTION SUPPORTED BY EVIDENCE AND REASONING TO EXPLAIN CONCLUSIONS AND ACCOMPLISH WORK (CONTINUED).	III.CC. Makes decisions	III.C.1.c. Responds only to information in the immediate environment when taking action, i.e., takes the problem or opportunity at face value.	III.C.2.c. Considers multiple sources of information before taking action, e.g., reviews company policies, consults resources on hand, calculates time-on-task required, compares similar problems /opportunities.	III.C.3.c. Acts in a timely manner after evaluating sufficiency and relevance of information and potential consequences.	III.C.4.c. Evaluates consequences of decision on the organization, e.g., checks against policies and procedures.
	III.Cd. Uses tools strategically	III.C.1.d. Uses tools designated for workplace tasks.	III.C.2.d. Develops knowledge of the strengths and weaknesses of various approaches, tools, and strategies for analyzing problems and opportunities in the workplace, e.g., divergent/convergent thinking exercises, computational modeling, visual mapping.	III.C.3.d. Matches approaches, tools, and strategies to workplace problems and opportunities to optimize productivity.	III.C.4.d. Creates tools, approaches, and strategies to accomplish work.
	III.Ce. Argues a case	III.C.1.e. Documents data, patterns, and research needed to support an argument.	III.C.2.e. Analyzes information and context to construct an argument.	III.C.3.e. Makes a well-reasoned case: drawing upon evidence, knowledge of patterns, research, understanding of audience, and connections made to prior experience, e.g., report, presentation.	III.C.4.e. Anticipates challenges to an argument.
III.D. TRANSFERS KNOWLEDGE AND SKILLS FROM ONE WORK SITUATION TO ANOTHER.	III.D Builds capacity to transfer skills	III.D.1. Recognizes skills and knowledge required in a new work situation.	III.D.2. Compares repertoire of skills and knowledge used in current work situation to the requirements of a new work situation.	III.D.3. Applies skills and knowledge to a new work situation.	III.D.4. Analyzes commonalities (patterns) in skills required for different work situation.

Measurement Criteria and Core Actions		Level One	Level Two	Level Three	Level Four
		Novice	Approaching Proficiency	Proficiency	Expert/Leader
III.E. CREATES/INNOVATES TO IMPROVE WORKPLACE PRODUCTIVITY.	III.E Builds capacity to create/innovate	III.E.1. Selects familiar approaches to address workplace challenges.	approaches to address workplace challenges, e.g.,		III.E.4. Builds a culture for innovation in the workplace.