



Certification Project Requirements

		Green Belt	Black Belt	
			Project 1	Project 2
Project Results	Summary statement of project results tying metric performance back to the Charter statement mission.	✓	✓	✓
Prioritize and Define	Project Charter	✓	✓	✓
	Thought Process Map	✓	✓	
	S-I-P-O-C Process Flow Chart	✓	✓	
	Pareto Chart	✓	✓	
	Gantt Chart	✓	✓	
	CTQC Tree Diagram	✓	✓	
	CTQC's Identified with Operational Definition	✓	✓	
Measure	Measurement System Analysis	✓	✓	
	Trend Chart	✓	✓	
	Defect Opportunities Defined	✓	✓	
	DPMO Baseline and Sigma Level	✓	✓	
	Histogram	✓	✓	
	Statistical Process Control	✓	✓	
	Capability Analysis	✓	✓	
Analyze	Hypothesis Testing	✓	✓	
	Design of Experiments: Full or Fractional Factorial Design	N/A	✓	
	Select from the following tools: <ul style="list-style-type: none"> • Cause & Effect Diagram (Fishbone Diagram) • FMEA – Failure Mode and Effects Analysis • 5-Why, 1-How Analysis • Regression & Correlation Analysis • One-Way Anova 	Select 3	Select 4	N/A
Improve	Select from the following tools: <ul style="list-style-type: none"> • Brainstorming • Error-Proofing • System Dynamics • Solution Selection Matrix • Corrective Action Matrix • Set-up Reduction 	Select 4	Select 4	N/A
Control	Control Plan	✓	✓	
	Control Chart(s) showing BEFORE and AFTER data	✓	✓	
	Select from the following tools: <ul style="list-style-type: none"> • Revised Work Instructions (Standardized Work) • Total Productive Maintenance • 5-S • Best Practices – Improvement Integration 	Select 3	Select 3	N/A
Affadavit	Signed document from company executive		✓	✓