

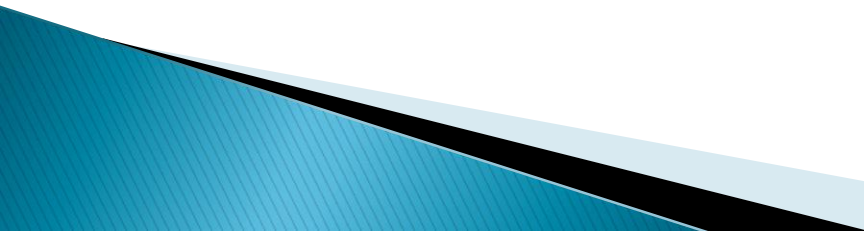
Professional Development Needs Thru Six Sigma

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APICS Golden Gate Chapter

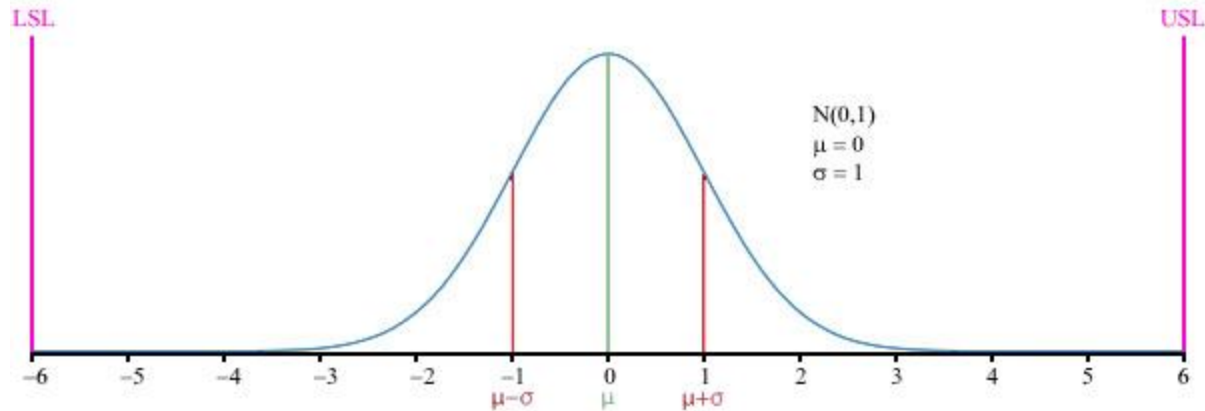
Why Six Sigma?

- ▶ Increasing importance in identifying business and operations improvements
- ▶ Emerging methodology in the services industries (e.g., healthcare and retail)
- ▶ An enterprise discipline
- ▶ Requires executive commitment
- ▶ High-level knowledge
- ▶ Materially significant to bottomline

6σ



What is Six Sigma?



- ▶ History
- ▶ Business Strategy Management tool
- ▶ Statistical process to reduce variability
- ▶ DMAIC – improving business process
- ▶ DMADV – improving product design
- ▶ Quality Management

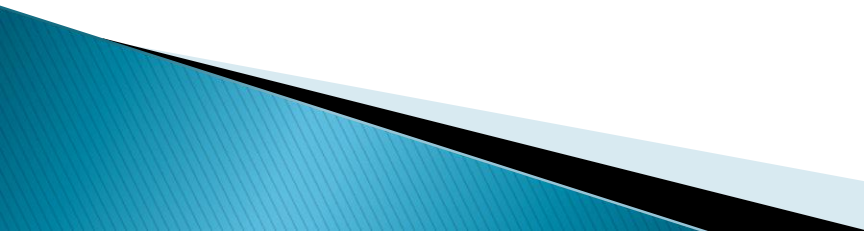


The Sigma Scale

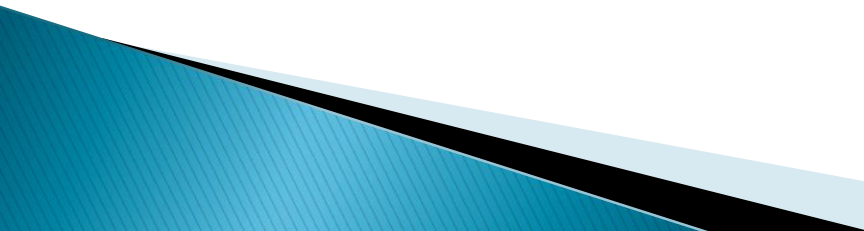
shows how well a vital feature performs compared to its requirements. The higher the sigma score, the more efficient the feature is. This table shows the universal Six Sigma scale:

Sigma Level (Z)	Defects per Million Opportunities (DPMO)	Percent Defects (%)	Percent Success (Yield %)	Capability (CP)
1	691,462	69	31	0.33
2	308,538	31	69	0.67
3	66,807	6.7	93.3	1.00
4	6,210	0.62	99.38	1.33
5	233	0.023	99.977	1.67
6	3.4	0.00034	99.99966	2.00

A professional development tool

- ▶ Certification
 - ▶ Knowledge
 - ▶ Improvement
 - ▶ Applicable in manufacturing and services
 - ▶ Hundreds of tools and techniques
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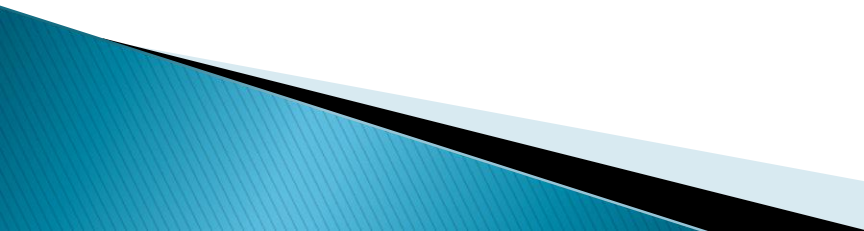
What color is my sigma

- ▶ White – Executive
 - ▶ Champions – Senior Management/Mentors
 - ▶ Master Black – Million Dollar Player
 - ▶ Black – Project Manager
 - ▶ Green – Entry
 - ▶ Yellow – Overview or Basic
 - ▶ Lean Six Sigma – Eliminate Waste
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Add to your courses

- ▶ Partner with certification vendor
- ▶ Sell at the enterprise not individual
- ▶ Requires 4 to 6 month commitment
 - Assessment – 2 weeks
 - Training – 1 week
 - Project – 3 to 5 months
 - Evaluation – 1 week
- ▶ \$1,500 per student average gross income

Safeway Six Sigma Project

- ▶ Cube utilization optimization of their fleet
 - ▶ Identified a 6-inch increase from 46" to 52"
 - ▶ Separate cold from dry with plastic not wood
 - ▶ Reduced annual fleet runs by 26,000 trips
 - ▶ Reduction in fuel costs
 - ▶ Reduction in labor costs
 - ▶ Minor increase in spoilage and waste per truck, requiring retraining
 - ▶ \$7.5 million in annual savings
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Chapter Benefits

- ▶ Income
 - ▶ Membership
 - ▶ Customers
 - Enterprise
 - Individual
 - ▶ Partnership
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Q&A

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