



The Global Standard for Procurement and Supply

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Segment 7.8 Applying Improvement Methodologies for the Supply Chain

Level: Advanced Professional

Theme: Delivering Outcomes

Knowledge: Will know and understand	Capabilities: Will be able to
How to specify data to support problem diagnosis and decision making	Investigate procurement and supply chain issues through application and analysis of data to create appropriate recommendations
Deming's plan, do, check, action (PDCA) cycle and approaches to quality management	Apply systematic approaches to improve procurement and supply chain management
The use of statistical analysis to developing supplies to examine issues affecting the performance of the supply chain	Lead programmes to collate and analyse data to formulate strategies and plans for solving issues in procurement and the supply chain
Developing metrics to measure the performance of the supply chain	Evaluate metrics that can be applied to measure performance and develop improvement plans with suppliers and stakeholders
Project identification and improvement strategies	Evaluate development projects and create appropriate strategies for their implementation

Knowledge: Will know and understand

Capabilities: Will be able to

The importance of business case development and cost/benefit analysis

Create sound business cases for the procurement of goods or services based on quantitative and statistical evidence

Root cause analysis and the use of six sigma tools

Apply root cause analysis to problems experienced in procurement and supply chain management and apply statistical methods for the development and implementation of improvement plans

Methodologies and standards for the development of supply chains, such as:

- ISO 22301 Business Continuity
- ISO 27001 Information Security
- ISO 14001 Environmental Management
- Balanced scorecard methodologies
- Supplier relationship management

Select and instigate supply chain improvement methodologies and standards

Related CIPS Knowledge Links

[Data Analysis/Business Intelligence - http://www.cips.org/en-GB/Knowledge/Procurement-topics-and-skills/Understand-Need---Market-and-options-assessment/Data-Analysis--Business-Intelligence/](http://www.cips.org/en-GB/Knowledge/Procurement-topics-and-skills/Understand-Need---Market-and-options-assessment/Data-Analysis--Business-Intelligence/)

[Total Quality Management \(TQM\) - http://www.cips.org/en-GB/Knowledge/Procurement-topics-and-skills/Continuous-Improvement/Total-Quality-Management-TQM/](http://www.cips.org/en-GB/Knowledge/Procurement-topics-and-skills/Continuous-Improvement/Total-Quality-Management-TQM/)

[Performance Analysis and Management - http://www.cips.org/en-GB/Knowledge/Procurement-topics-and-skills/Developing-and-managing-contracts/Performance-Analysis-and-Management1/](http://www.cips.org/en-GB/Knowledge/Procurement-topics-and-skills/Developing-and-managing-contracts/Performance-Analysis-and-Management1/)

[Setting KPI's - http://www.cips.org/en-GB/Knowledge/Procurement-topics-and-skills/Strategy-policy/Setting-KPIs/](http://www.cips.org/en-GB/Knowledge/Procurement-topics-and-skills/Strategy-policy/Setting-KPIs/)

[Benchmarking - http://www.cips.org/en-GB/Knowledge/Procurement-topics-and-skills/Continuous-Improvement/Benchmarking1/](http://www.cips.org/en-GB/Knowledge/Procurement-topics-and-skills/Continuous-Improvement/Benchmarking1/)

[Business Process Re-engineering \(BPR\) - http://www.cips.org/en-](http://www.cips.org/en-GB/Knowledge/Procurement-topics-and-skills/Continuous-Improvement/Benchmarking1/)

[GB/Knowledge/Procurement-topics-and-skills/Continuous-Improvement/Business-Process-Re-engineering-BPR/](#)

[Business Case Development - http://www.cips.org/en-GB/Knowledge/Procurement-topics-and-skills/Strategy-policy/Business-Case-Development/](#)

[Models - http://www.cips.org/en-GB/Knowledge/Procurement-topics-and-skills/Strategy-policy/Models-SC-sourcing--procurement-costs/](#)

[Balanced Scorecard - http://www.cips.org/en-GB/Knowledge/Procurement-topics-and-skills/Strategy-policy/Balanced-Scorecard1/](#)

[Stakeholders - http://www.cips.org/en-GB/Knowledge/Procurement-topics-and-skills/Procurement-Organisation/Stakeholders/](#)

[Supplier Relationship Management \(SRM\) - https://www.cips.org/knowledge/procurement-topics-and-skills/supplier-relationship-management/](#)

[Supplier Relationship / Management - http://www.cips.org/en-GB/Knowledge/Procurement-topics-and-skills/SRM-and-SC-Management/Supplier-Relationship--Management/#tabs-2](#)