



The Global Standard for Procurement and Supply

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Leading global excellence in procurement and supply

Segment 3.5 Improving Systems Capabilities for Supply Chain Management

Level: Advanced Professional

Theme: Technology

| Knowledge: Will know and understand | Capabilities: Will be able to |
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| <p>The use of bespoke systems and commercial off the shelf systems (COTS) and workflows to enable improved control of expenditures on suppliers in organisations</p> | <p>Critically evaluate opportunities for the development of systems or procurement of commercial off the shelf systems (COTS) to enable the improved control of expenditures on suppliers by the organisation</p> |
| <p>The use of database systems, data centres and data warehousing for procurement and supply chain management</p> | <p>Investigate opportunities for the development of database systems, data centres and data warehousing used in procurement and supply chain management and make recommendations to colleagues and stakeholders</p> |
| <p>The development of big data analytics to assist decision making</p> | <p>Assess opportunities to develop and make use of big data analytics to create improved supply chain planning, forecasting and control</p> |
| <p>Contemporary ERP (Enterprise Resource Planning) systems and their impact on procurement and supply chain management and the wider organisation</p> | <p>Critically evaluate the capabilities and application of ERP (Enterprise Resource Planning) systems and data bases for procurement and supply chain activities, and make recommendations to senior managers on their selection, development and implementation</p> |

| Knowledge: Will know and understand | Capabilities: Will be able to |
|--|---|
| <p>The impact of P2P (Purchase to Pay) systems used in procurement and supply chain management</p> | <p>Maximise the use of P2P (Purchase to Pay) systems and make recommendations to senior managers on the development and use of touchless transactions</p> |

Developments in systems technologies such as:

- intranets and extranets
- data centre management
- Cloud computing
- Open source software
- convergence of technology platforms

Critically assess developments in systems technology and make recommendations to colleagues and other stakeholders that will improve procurement and supply chain management

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| <p>The use of integration tools in systems technology to improve supply chain management</p> | <p>Critically assess improvements that can be made to integrate both internal systems and systems across supply chains through data integration technology and make recommendations to colleagues and other stakeholders</p> |
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The development of business continuity plans to mitigate interruptions in the supply chain

Work with key stakeholders to assess the business continuity plans created by key suppliers and provide advice on potential improvements that can be made

Related CIPS Knowledge Links

[Application of Technology](http://www.cips.org/Knowledge/Procurement-topics-and-skills/eCommerce---systems/Application-of-Technology/) - <http://www.cips.org/Knowledge/Procurement-topics-and-skills/eCommerce---systems/Application-of-Technology/>

[eSourcing / eProcurement systems P2P](http://www.cips.org/Knowledge/Procurement-topics-and-skills/eCommerce---systems/E-sourcing--E-procurement-systems-P2P/) - <http://www.cips.org/Knowledge/Procurement-topics-and-skills/eCommerce---systems/E-sourcing--E-procurement-systems-P2P/>

[MRP / CRP](http://www.cips.org/Knowledge/Procurement-topics-and-skills/ERP/CRP/) - <http://www.cips.org/Knowledge/Procurement-topics-and-skills/ERP/CRP/>

[skills/eCommerce---systems/MRP--CRP-/](#)

[Warehousing - http://www.cips.org/Knowledge/Procurement-topics-and-skills/Operations-Management/Warehousing1/](http://www.cips.org/Knowledge/Procurement-topics-and-skills/Operations-Management/Warehousing1/)

[Business Continuity Management \(BCM\)/Business Continuity Planning \(BCP\) - https://www.cips.org/en-GB/Knowledge/Procurement-topics-and-skills/Strategy-policy/Business-Continuity-Management-BCM--Business-Continuity-Planning-BCP1/](https://www.cips.org/en-GB/Knowledge/Procurement-topics-and-skills/Strategy-policy/Business-Continuity-Management-BCM--Business-Continuity-Planning-BCP1/)

[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/)

[Cloud Mobile Solutions - https://www.cips.org/en/knowledge/procurement-topics-and-skills/ecommerce---systems/Cloud-Mobile-Solutions/](https://www.cips.org/en/knowledge/procurement-topics-and-skills/ecommerce---systems/Cloud-Mobile-Solutions/)