



The Global Standard for Procurement and Supply

Version 3.0 – Published 2017

Segment 3.3 Developing Systems for Procurement and Supply

Level: Managerial

Theme: Technology

Knowledge: Will know and understand	Capabilities: Will be able to
<p>The use of ERP and other procurement systems and data bases for procurement and supply activities</p>	<p>Evaluate the capabilities of ERP and other procurement systems and databases for procurement and supply activities, and make recommendations to senior managers on the development and implementation of systems</p>
<p>The development of P2P systems used in procurement and supply including:</p> <ul style="list-style-type: none">• eRequisitioning• eOrdering• eInvoicing	<p>Investigate the use of P2P systems used in procurement and supply and make recommendations to senior managers on their development and implementation</p>
<p>The development of eCatalogues in procurement and supply and how these can enhance key procurement and supply processes</p>	<p>Investigate and make recommendations to senior managers on the development of eCatalogues that can be applied to procurement and supply</p>
<p>The development of eMarket places in the supply chain</p>	<p>Explore opportunities for the use of eMarketplaces to improve access to supplies and to improve outcomes for the organisation</p>

Knowledge: Will know and understand	Capabilities: Will be able to
<p>The use of data analytics in relation to supply chains to assist with planning, forecasting, decision making and control</p>	<p>Work with key stakeholders, suppliers and customers to create data and reporting that improves spend transparency and supports informed decision making. Be able to resolve issues where the data gathered is not sufficient</p>
<p>The application of data integrity for effective procurement and supply decisions</p>	<p>Examine the standards of data integrity in the use of procurement and supply database systems and make recommendations for improvements to colleagues and other stakeholders</p>
<p>The use of integration tools in systems technology in procurement and supply</p>	<p>Explore 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>
<p>Developments such as:</p> <ul style="list-style-type: none"> • Cloud computing • Open source software • Mobile telecommunications • Remote working • Video conferencing and collaboration tools • Blockchain technology • Convergence of technology platforms 	<p>Assess developments in technology and make recommendations to colleagues and other stakeholders for technologies that will improve procurement and supply</p>
<p>The use of business continuity planning to mitigate supply chain interruption</p>	<p>Assess suppliers' business continuity plans to mitigate disruption to the organisation's supply chains</p>

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/)

[Coding and Classification - http://www.cips.org/Knowledge/Procurement-topics-and-skills/eCommerce---systems/Coding-and-Classification/](http://www.cips.org/Knowledge/Procurement-topics-and-skills/eCommerce---systems/Coding-and-Classification/)

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

[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/)

[Material Requirements Planning \(MRP\) - http://www.cips.org/Knowledge/Procurement-topics-and-skills/eCommerce---systems/MRP--CRP-/Material-Requirements-Planning-MRP/](http://www.cips.org/Knowledge/Procurement-topics-and-skills/eCommerce---systems/MRP--CRP-/Material-Requirements-Planning-MRP/)

[Forecasting - https://www.cips.org/Knowledge/Procurement-topics-and-skills/Developing-and-managing-contracts/Demand-Management1/forecasting1/](https://www.cips.org/Knowledge/Procurement-topics-and-skills/Developing-and-managing-contracts/Demand-Management1/forecasting1/)

[Risk Analysis and Management - https://www.cips.org/en-GB/Knowledge/Procurement-topics-and-skills/Risk-mitigation/Risk-Analysis-and-Management1/#tabs-2](https://www.cips.org/en-GB/Knowledge/Procurement-topics-and-skills/Risk-mitigation/Risk-Analysis-and-Management1/#tabs-2)

[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/)

[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/)