<table>
<thead>
<tr>
<th>TSC Category</th>
<th>Technology Management</th>
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<tbody>
<tr>
<td>TSC</td>
<td>Integrated System Design and Application</td>
</tr>
<tr>
<td>TSC Description</td>
<td>Manage systems of interrelated computing devices and systems, mechanical and digital machines, objects and people to allow transfer of data over the network so as to support business requirements</td>
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<table>
<thead>
<tr>
<th>TSC Proficiency Description</th>
<th>Level 1</th>
<th>Level 2</th>
<th>Level 3</th>
<th>Level 4</th>
<th>Level 5</th>
<th>Level 6</th>
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<tr>
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<td>LOG-TEM-3003-1.1</td>
<td>LOG-TEM-4003-1.1</td>
<td>LOG-TEM-5003-1.1</td>
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<tr>
<td>Implement system integration plans to allow transfer of data over the network so as to support business requirements</td>
<td>Develop system integration approaches and review system integration procedures</td>
<td>Formulate system integration strategies and formulate control measures</td>
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**Knowledge**

- System integration tools
- System integration architectures and technologies
- Software development, hardware fielding, system backups
- Usage metering and billing model integration techniques and tools
- Store procedures used for database integration
- Data extraction, transformation and synchronisation
- TR 46: 2016 – Last mile delivery – eCommerce data interchange
- System integration approaches
- Usage metering and billing model integration approaches
- Risk assessment methods and procedures in relation to database management
- Information security management methods and procedures
- IT security control systems
- System integration frameworks
- Usage metering and billing integration frameworks
- Risk management strategies in relation to database management
- Information security management strategies for database management
- IT security management strategies
- Legal and regulatory issues for system integration
- Techniques to project current and business needs
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<thead>
<tr>
<th>Abilities</th>
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<tr>
<td>• Implement system integration plans to address business requirements, while adhering to risk management measures and standard control procedures</td>
<td>• Develop integration approaches and integration tools to address system integration requirements</td>
<td>• Lead assessments of current and future business requirements</td>
<td>• Drive change and risk impact analyses between IT infrastructures and related databases</td>
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<td>• Implement test methodologies for integration of databases</td>
<td>• Facilitate system development and implementation planning through assessments or development of system engineering management plans and system integration and test plans</td>
<td>• Formulate key metrics and methods for monitoring usage of integrated systems</td>
<td>• Drive system integration solutions to allow transfer of data over the network</td>
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<td>• Maintain availability and performance of integrated systems</td>
<td>• Review usage of integrated systems using key performance metrics</td>
<td>• Formulate usage metering and billing models for integrated system designs</td>
<td>• Formulate business continuity plans and disaster recovery plans</td>
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<td>• Implement performance diagnostics and troubleshooting</td>
<td>• Review usage metering and billing integration</td>
<td>• Formulate information security guidelines based on organisation’s information security frameworks</td>
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<td>• Analyse and prepare reports of usage metering and billing</td>
<td>• Develop standard control procedures for risk management, business continuity and disaster recovery</td>
<td>• Guide system engineering teams to ensure relevant legal and regulatory issues are adhered to during system integration</td>
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<td>• Implement risk management measures for business continuity and disaster recovery</td>
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