













| 11 Quality manage | ment | |
|---|--|---|
| Criteria | Range | Resource identified |
| 11.1 Quality standards, assurance, control and improvement. | British standards | https://en.wikipedia.org/wiki/British_Standards https://whatis.techtarget.com/definition/British-Standards-Institution-BSI https://www.engineeringtoolbox.com/british-standards-d_761.html |
| | ISO standards | https://www.iso.org/standards.html https://en.wikipedia.org/wiki/International Organization for Standardization https://www.nqa.com/en-gb/certification/sectors/engineering-manufacturing |
| | CE | https://ec.europa.eu/growth/single-market/ce-marking_en https://www.hse.gov.uk/work-equipment-machinery/ce-mark-summary.htm https://asq.org/quality-resources/ce-marking https://en.wikipedia.org/wiki/CE_marking |
| | Engineering bodies (Engineering Council, Institution of Engineering and Technology (IET), Institution of Mechanical Engineers (IMechE), Society of Operations Engineers (SOE)) | https://www.engc.org.uk/ https://www.theiet.org/ https://www.imeche.org/ https://www.soe.org.uk/ |
| | Culture of quality, right first time | https://www.ideagen.com/thought-leadership/blog/6-building-blocks-for-creating-a-culture-of-quality https://www.youtube.com/watch?v=6s3cbHIFbFc |
| | Quality standards (ISO9001) | https://www.iso.org/iso-9001-quality-management.html https://www.bsigroup.com/en-GB/iso-9001-quality-management/ |





































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| | Inspection and testing | https://electrical.theiet.org/bs-7671/faqs/inspection-and-testing-faqs/ |
| | | https://www.tradeskills4u.co.uk/posts/inspection-and-testing |
| | Traceability | https://www.keyence.com/ss/products/marking/traceability/basic_about.jsp |
| | | https://en.wikipedia.org/wiki/Traceability |
| | Document management and | https://www.girlsguidetopm.com/how-to-do-document-version-control/ |
| | version control | https://en.wikipedia.org/wiki/Version_control |
| | Process capability | https://asq.org/quality-resources/process-capability |
| | | https://www.itl.nist.gov/div898/handbook/pmc/section1/pmc16.htm |
| | | https://sixsigmastudyguide.com/process-capability-cp-cpk/ |
| | Statistical process control (SPC) | https://en.wikipedia.org/wiki/Statistical_process_control |
| | | https://sixsigmastudyguide.com/statistical-process-control-spc/ |
| | | https://www.youtube.com/watch?v=e5g2NmIUdc |
| | Six sigma | https://en.wikipedia.org/wiki/Six_Sigma |
| | | https://www.isixsigma.com/new-to-six-sigma/getting-started/what-six-sigma/ |
| | | https://www.investopedia.com/terms/s/six-sigma.asp |
| | Total quality management | anagement https://en.wikipedia.org/wiki/Total_quality_management |
| | (TQM) https://www.inve | https://www.investopedia.com/terms/t/total-quality-management-tqm.asp |
| | Failure mode effect analysis (FMEA) https://www.isixsigma.com/tools-templates/fmea/fmea-quick- | http://www.ihi.org/resources/Pages/Tools/FailureModesandEffectsAnalysisTool.aspx |
| | | https://www.isixsigma.com/tools-templates/fmea/fmea-quick-guide/ |
| | | https://en.wikipedia.org/wiki/Failure mode and effects analysis |
| | | https://en.wikipedia.org/wiki/Pareto_analysis |
| | Pareto analysis | https://www.investopedia.com/terms/p/pareto-analysis.asp |
| | | https://www.mindtools.com/pages/article/newTED 01.htm |
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