



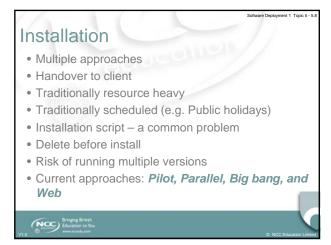
Learning Outcomes By the end of this topic students will be able to: Define and describe software deployment; Identify and explain key stages within software deployment; Name ISO standards associated with software deployment; Form opinions and communicate those opinions on software deployment.

What is Software Deployment? Software Deployment is: "..the process of putting software and software solutions into use or action and ultimately driving business success." (IBM 2004:1)





Product Release - 2 ITIL Release Management (Information Technology Infrastructure Library) ITIL Best practices Software support tools Benefits Improving software success rates Providing release process consistency Improving live environment stability Controlling software release Reducing error rates

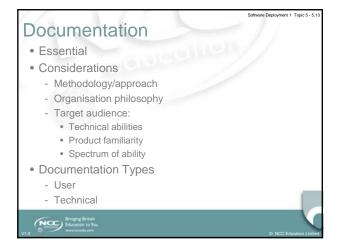


Pilot Installation Isolated installation (one or two departments) Minimum impact Error/issue identification before wider installation Successful organisation-wide rollout then follows

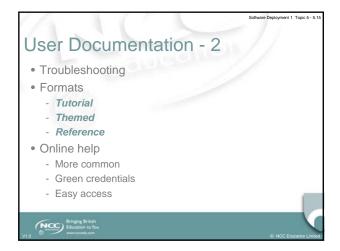
Parallel Installation New system runs side-by-side with old one Error/issue identification Minimise impact Comparative Switch over – good training opportunities





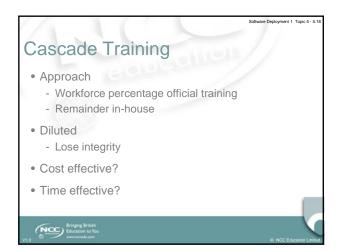






Technical Documentation Vast Evolved Technical / descriptive balance Auto generation During process Coder dependent Overlooked

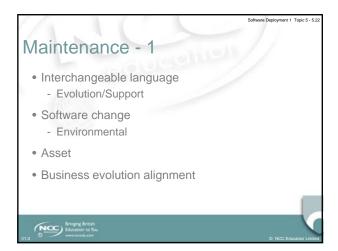




Workplace Training On the job training Time taken out Organisation provision Real life environment Knowledge base Pressure Performance Missing knowledge/skills by not asking key questions Cost benefits

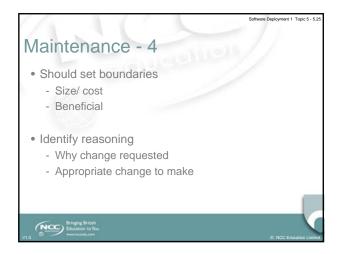


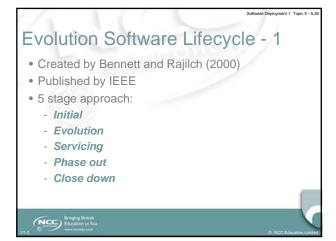


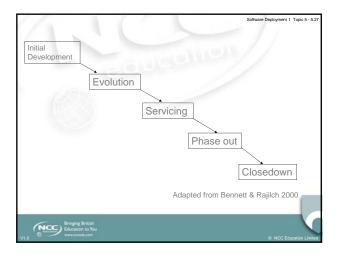




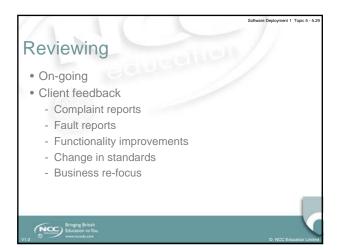


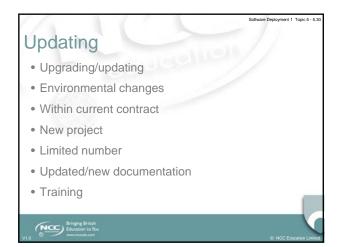


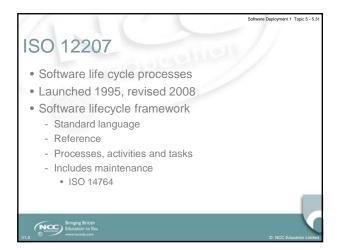


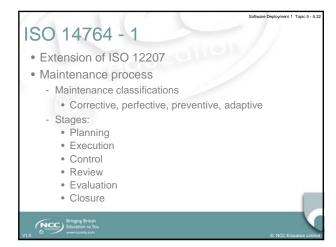














References - 1 Bennet, K.H. and Rajilch, V. T. (2000). Software Maintenance and Evolution: a Roadmap in Finkelstein, A. (Ed.) (2000). The Future of Software Engineering. ACM Press. Hall, P. & Fernandez-Ramil, J.(2007). Managing the Software Enterprise. Thomson. IBM (2004). The Software Deployment Mystery — Solved: A Customer Guide. IBM Redbooks. [Available Online] http://www.redbooks.ibm.com/redbooks/pdfs/sg246070.pdf

References - 2 • Lientz, B.P. and Swanson, E.B. (1980). Software Maintenance Management. Addison Wesley Publishing • Pfleeger, S. & Atlee, J.(2010). Software Engineering-International 4th Edition. Pearson. • Sommerville, I.(2010). Software Engineering: International Edition. Pearson Education.



