



Making collaboration pay – a NCCTP conference

Anna McCrea MEng MSc PhD CEng MICE MASCE
Management Consulting

T(D): 020 7061 7886 F: 0870 048 6599

E: anna.mccrea@davislangdon.com

www.davislangdon.com/managementconsulting

About Davis Langdon Management Consulting

Brief history of collaboration

Connectivity issues

ASP vs. non – ASP (Application Server Provider)

ISO/IEC 17799:2005 and BS 7799

Additional concerns



ABOUT DAVIS LANGDON

■ Davis Langdon LLP

- Management Consulting is a distinct unit within Davis Langdon LLP and has a multi-disciplinary staff with skills in survey design and administration, project and programme management, economics, IT, procurement, and design

■ What we do

- Offering cost and economic studies, international comparisons, preparation of management guidance & research management
- Advice on strategic use of IT
- Improvements in construction management and procurement processes, including re-engineering
- Our clients



■ How it all started on a collaboration front

- ❑ Many providers
- ❑ Many systems developed in-house by consultants and contractors
- ❑ Many US systems customised for the UK market
- ❑ “Host it yourself” trend (become an ASP)
- ❑ Unclear financial backing and stability of organisations
- ❑ Slow dial up connections
- ❑ Third-party hosting and support outside the UK
- ❑ Varied functionality



CONNECTIVITY ISSUES (1)

■ Dial-up, broadband and wireless

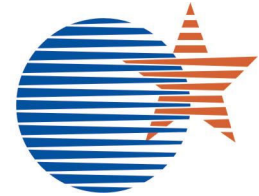
- Enabling site offices – (access to Internet and speed of connection, access to terminals, literacy levels)
- Some systems developed to perform over dial-up modems
- Still possible to use dial-up but not feasible to upload or download large files (drawings)
- Availability of web services – 24/7, delivery at high levels of performance, sufficient connection with the Internet
- Users' telecomms infrastructure assessment and provisions up to the user and according to business needs
- Selection of ISP (Internet Services Provider) – contention ratio, speed of data transfer.



CONNECTIVITY ISSUES (2)

■ Dial-up, broadband and wireless

- Sources of problems – too many users, bottlenecks on local servers (excessive applications, firewalls, proxy servers, etc.), poorly configured networks
- MS Windows vs. Apple Mac
- Browsers (IE against Firefox, Opera, Mozilla, Safari for Macs)
- Growth in mobile connectivity – wireless LANs, General Packet Radio Services (GPRS), 3G Communications and Broadband Wireless Access (BWA)



ASP vs. NON-ASP (2)

■ Non-ASP

- Contractual issues – safety, ownership, archiving, disputes implications
- IP ownership issues
- Security and continuity
- Charging structure – usually server based or enterprise licence model (may account for size of the project or number of users)
- Lower frequency of upgrades
- Software support issues
- Legacy systems integration
- Risk



ASP vs. NON-ASP (1)

■ ASP

- One instance of the code – no need for testing on different platforms
- Security, accessibility, helpdesk – all ensured
- Standards compliant
- Ability to verify quality & location of hosting
- Archiving & hosting for FM
- Charging structure – periodical fees or subscription fee to use ASP's software
- Provision for software maintenance, support and upgrades
- Greater economies of scale



ISO/IEC 17799:2005 and BS 7799

- **Part 1 is BS 7799-1 Information technology. Code of Practice for information security management**

A set of guidelines for implementing an Information Security Management System (ISMS). Used by many countries and is now available as ISO/IEC 17799.

- **Part 2 is BS 7799-2 Information security management systems. Specification with guidance for use**

A foundation for third party audit, revised in 2002 to harmonise it with other management system standards, - ISO 9001 and ISO 14001.

Includes Plan-Do-Check-Act (PDCA) process model for developing, implementing and improving the effectiveness of an organisation's ISMS within the context of an organisation's overall business risks.



ADDITIONAL CONCERNS

■ Additional concerns

- ❑ Commenting and redlining
- ❑ Ability to upload sketches with comments
- ❑ Third party viewers vs. bespoke development – closer integration
- ❑ Ability to view and simultaneously change orders and issue RFI
- ❑ User friendly interface (people, technology, process)
- ❑ Support for workflows
- ❑ Auxiliary functionalities – H&S files, etc.

Any questions?