

| <b>County of Los Angeles</b><br><b>Enterprise IT Standards and Directions 2012</b><br>(Exceptions require CIO Approval) |  | BOARD<br>ADOPTED<br>STANDARD | COUNTY<br>PREFERRED<br>TECHNOLOGY |
|---|--|------------------------------|-----------------------------------|
| <b>Operating Systems</b>  |  |                              |                                   |
| Client Operating System   | Microsoft Windows*   |                              | ✓                                 |
| Enterprise Server Operating System  | Windows Server*, Red Hat Enterprise Linux                                    |                              | ✓                                 |
| Midrange/Department   | IBM AIX, HP-UX   |                              | ✓                                 |
| Mobile  | BlackBerry, Microsoft Exchange ActiveSync support, Windows Mobile, Apple iOS |                              | ✓                                 |
| <b>Networks</b>   |  |                              |                                   |
| WAN   | Enterprise Network, LANet  |                              | ✓                                 |
| LAN   | CISCO  |                              | ✓                                 |
| <b>Security</b>   |  |                              |                                   |
| Antivirus   | Symantec (SEP), McAfee (ToPS)  |                              | ✓                                 |
| Antispyware   | Symantec (SEP), McAfee (ToPS)  |                              | ✓                                 |
| Host Intrusion Protection   | Symantec (SEP), McAfee (ToPS)  |                              | ✓                                 |
| Desktop Firewall  | Microsoft Windows Firewall, Symantec (SEP), McAfee(ToPS)                     |                              | ✓                                 |
| Full Disk Encryption  | Check Point (formerly Pointsec)  | ✓                            |                                   |
| Removable Media Protection  | Safend   |                              | ✓                                 |
| Patch Management  | Lumension, Symantec Altiris  |                              | ✓                                 |
| Email Security  | Cisco IronPort Email Security Appliances, Symantec Brightmail                | ✓                            |                                   |
| Mobile Device Management  | Symantec   |                              | ✓                                 |
| Network Firewall  | Cisco PIX Firewalls  |                              | ✓                                 |
| Network Intrusion Prevention  | Cisco, HP TippingPoint   |                              | ✓                                 |
| Internet Access Control & Filtering   | Blue Coat  |                              | ✓                                 |
| Secure File Exchange  | Globalscape  |                              | ✓                                 |
| Vulnerability Assessment  | McAfee Vulnerability Manager   | ✓                            |                                   |
| <b>Remote Access</b>  |  |                              |                                   |
| Remote Access   | Juniper SSL VPN, Microsoft Outlook Web Access                                |                              | ✓                                 |
| Two Factor Authentication   | RSA SecurID  | ✓                            |                                   |
| <b>Desktop Management</b>   |  |                              |                                   |
| Directory Services  | Microsoft Active Directory   |                              | ✓                                 |
| Desktop Configuration Management  | Symantec Altiris, Microsoft System Center                                    |                              | ✓                                 |
| <b>Office Productivity Software</b>   |  |                              |                                   |
| Desktop Office Suite (Word Processor, Spreadsheet, and Presentation)  | Microsoft Office*  |                              | ✓                                 |
| E-mail  | Microsoft Outlook/Exchange*  |                              | ✓                                 |
| PDF   | Adobe Acrobat Professional*  |                              | ✓                                 |
| PDF Forms   | Adobe LiveCycle Reader Extension   | ✓                            |                                   |
| <b>Web Browser and Content</b>  |  |                              |                                   |
| Browser   | Microsoft Internet Explorer*   |                              | ✓                                 |
| Web Content Management  | IBM Web Content Manager  | ✓                            |                                   |
| Portal Software   | IBM WebSphere Portal   | ✓                            |                                   |
| <b>Databases and Reporting</b>  |  |                              |                                   |
| Database Architecture   | SQL-compliant  |                              | ✓                                 |
| Database Software   | Oracle, Microsoft SQL Server*, IBM DB2                                       |                              | ✓                                 |
| Business Intelligence/Ad Hoc Report Writer  | Cognos Business Intelligence Product Suite                                   | ✓                            |                                   |

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| <b>Video Conferencing/Web Collaboration</b>   |  |                              |                                   |
| Video Conferencing  | Central Hosted Video Conferencing Services           |                              | ✓                                 |
| Web Collaboration   | Cisco WebEx, Citrix GoToMeeting                      |                              | ✓                                 |
| <b>Systems Management</b>   |  |                              |                                   |
| Server Virtualization   | VMware   |                              | ✓                                 |
| Deduplication, Backup, Archive  | Commvault  |                              | ✓                                 |
| <b>Applications</b>   |  |                              |                                   |
| Geospatial Information Services (GIS)   | ESRI ArcGIS, OGC-compliant, and Latitude Geographics |                              | ✓                                 |
| Enterprise Content Management (ECM)   | EMC Documentum                                       | ✓                            |                                   |
| Enterprise Resource Planning (ERP)<br>Financials (General Ledger, Accounting, Cost Accounting/Billing, Accounts Payable, Accounts Receivable, Budget, Contracts, Asset Management, Grants Management, Procurement/Inventory)<br>Human Resources (Payroll, Personnel Administration, Position Control, Time Collection, Talent Management) | CGI Advantage (eCAPS/eHR)                            | ✓                            |                                   |
| Learning Management   | SABA Learning Suite (Learning Net)                   | ✓                            |                                   |
| Employee Performance  | SumTotal Total Performance (Performance Net)         | ✓                            |                                   |
| Benefits and Leave Management   | Buck Solutions                                       | ✓                            |                                   |

\*Maintained within one version of the current release