

GREATER LONDON AUTHORITY

Technical Standards v.6.0 (Final)

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Introduction

This document gives a summary of the Technical Standards employed at the Greater London Authority. Suppliers may use this document to indicate whether their application meets the standards by using the 'Compliant' box. There is a section at the end of the document labelled 'Supplementary information' which must be used to detail any non-compliance to a particular standard.

In accordance with the Central Government Service Design Manual, the approach adopted by the GLA to software and system procurement is that where there is no significant overall cost difference between open and non-open source products that fulfill minimum and essential capabilities, open source will be selected on the basis of its inherent flexibility.

All content updates to this document will be subject to configuration management and requires the prior approval of the GLA Technical Design Board.

Audience

This document is for:

Suppliers

Subject to the provisions of the procurement documents, suppliers **must** use this document to indicate whether their application meets the required standards by completing the 'Compliant' section for each standard. For any non-compliance, the 'Supplementary information' section must be filled out.

GLA Project teams

Project teams may use this document as a reference guide. (Further information can be found in the Appendix). Please Note: Suppliers must not be sent the Appendix portion of the document.

Testing / Quality Assurance

Where applicable, Testing or Quality Assurance teams may use this document (once complete with Supplier input) to ensure that the application meets the Technical Standards of the GLA.

Terms of Reference

Preferred:	What we would like
Considered:	If it is not possible to go with the 'preferred' option, then the GLA may consider this technology
Deprecated:	Technologies we currently have but are trying to move away from. The GLA would definitely NOT consider this option.
Future Roadmap:	Where the GLA would like to get to in the not too distant future.

Standards

		Preferred	Considered	Future Roadmap	Deprecated	Compliant? (Y / N)
Remote Presentation	Windows RDS / Citrix	X				
	SSH	X				
	Citrix Netscaler	X				
Applications	Microsoft Exchange 2010 (On Prem)	X				
	Microsoft Office 365	X				
	Microsoft Exchange Online	X				
	Blackberry Enterprise Server 12	X				
	Drupal 7	X				
	Drupal 8			X		
Databases	PostgreSQL 9.5	X				
	MySQL 5.7 (for Drupal only)		X			
	SQL Server 2008 R2				X	
	MariaDB 10	X				
	MariaDB 5.6				X	
	SQL Server 2012	X				
	Microsoft SQL Server 2005				X	
	BASIS				X	
Search Engine						
	Solr 5	X				
GIS	PostGIS 2.x	X				
	ESRI ArcGIS Server 10.3 / 10.4			X		
	AddressBase	X				
Application Servers	Tomcat 8	X				
	Microsoft IIS 7.5		X			
	Tomcat 7				X	
HTTP Server	IIS 7.5		X			
	Apache HTTP 2.4	X				
	Nginx		X			
Enterprise Reporting	Business Objects XI R4	X				
Operating Systems**	Ubuntu 16.04 LTS	X				
	<p>The GLA uses the definition of open source software that is provided by the Open Source Initiative (OSI) and that is called The Open Source Definition (https://opensource.org/osd-annotated).</p> <p>The GLA Technical Standards recommend use of the Ubuntu Long Term Support distribution. Ubuntu has stringent licensing policies. Software included in the 'main' Ubuntu distribution conforms to the Open Source Definition of the OSI.</p> <p>In practice this means that any software included in the Ubuntu Long Term Support distribution conforms with the GLA definition of open source software. From a licensing perspective, no additional approval is required to use such software.</p> <p>Content of the main, Long Term Support Ubuntu distribution can be found at packages.ubuntu.com</p>					
	Microsoft Windows Server 2016	X				

		Preferred	Considered	Future Roadmap	Deprecated	Compliant? (Y / N)
	Microsoft Windows Server 2012 R2		X			
	VMWare vSphere 5.5	X				
	Red Hat Enterprise Linux 7		X			
	Microsoft Windows 2003				X	
	Microsoft Windows 2008r2				X	
Cloud Infrastructure	Amazon Web Services	X				
	Microsoft Office 365	X				
	Microsoft Azure			X		
Web Browsers*	Google Chrome (Latest Stable)	X				
	Mozilla Firefox (Latest Stable)	X				
	Safari 10+ (OS X only)	X				
	Internet Explorer 11 (Windows 7 only)	X				
	Microsoft Edge (Windows 10 External Devices Only)	X				
Mobile Web Browsers*	Google Chrome (Latest Stable)	X				
	Apple Safari 10+	X				
	Mozilla Firefox (Latest Stable)	X				
	Microsoft Edge	X				
Office Automation	Microsoft Office 365 ProPlus (Click to Run Only)	X				
Desktop OS**	Windows 7 Professional (64 bit) – <i>Applications must run on Windows 64 bit</i>	X				
	Windows 10			X		
	Mac OS X 10.12+	X				
Mobile OS**	Apple IOS 10.3.3	X				
	Apple iOS 11+	X				
	Google Android 5+	X				
	Windows 10 (Surface Pro)		X			
Directory Services	Microsoft ADS 2008 R2	X				
	Microsoft ADS 2016			X		
	389 Directory Server	X				
VPN	If you are selected to work with us, please ask us for this information					
Virus Protection	If you are selected to work with us, please ask us for this information					
Storage, Backup &	Falconstor NSS Snapshots/Timeview		X			
	Nimble	X				

		Preferred	Considered	Future Roadmap	Deprecated	Compliant? (Y / N)
Recovery Management	Brocade IronView	X				
	HP Storage Essentials	X				
Configuration, License Management & S/W Distribution	BMC Trackit!	X				
	MS SCCM 2012	X				
	Jamf Pro (Cloud)	X				
Storage (NAS, SAN)	HP EVA	X				
	Nimble	X				
	HP MSA	X				
	Nexsan	X				
Printing Devices	HP	X				
	Xerox MFD (Scanning)	X				
	PCL6	X				
	Postscript Level 3	X				
	Equitrac 5	X				
	Equitrac 4				X	
Issue Management	Jira / Confluence	You will be expected to use the GLA Jira / Confluence instance for tracking project issues.				
Deployment & Version Control Tools	GitHub	X				
	Git (with Git-flow)	X				
	Build Scripts	X				
	Nagios	X				
	Jenkins 1.558+	X				
	Drush 8 (Drupal 7)	X				
	Composer	X				
DevOps Scripting Languages	Bash	X				
	Python 2.7.x	X				
	Python 3.x	X				
	Perl 5.22+	X				
Testing Tools (used only on Dev and Test environments)	Selenium Server Standalone 3.x	X				
	Selenium IDE				X	
Continuous Integration	Jenkins 1.651.2 (LTS)	X				
	Jenkins 2.x			X		
For Information Only						
Automated Functional Testing	Behat 2.5					
Performance Testing	Apache JMeter 2.13+					
	The Grinder 3.4+					
Link Checking	Xenu Link Sleuth 1.3.8					
HTTP Session debugger	Fiddler 4.5.x					
Disk IO Testing	IOMeter 1.1					

*All browser support is dependent on whether it is still maintained by its creator (i.e. Apple, Google, Mozilla, Opera, and Microsoft).

** All Operating System support is dependent on whether it is still maintained by its creator (i.e. Apple, Google, and Microsoft).

Supplementary Information

I hereby confirm that I have read and understood the contents of this document and that the information I have provided within this document is accurate at the time of writing.

(Supplier signature)

(Date)

(Print Name)

(Position)