CALIFORNIA
Assessment of Student Performance and Progress

Technical Specifications and Configuration Guide for CAASPP Online Testing

◈ System Requirements ◈
Network Configuration ◈ System Configuration ◈
Secure Browser Configuration ◈

Summative and Interim Assessments
Test Administrator Sites
Student Practice Tests
Test Operations Management System
Online Reporting System
Interim Assessment Hand Scoring System

ETS

caaspp
California Assessment of
Student Performance and Progress

DEPARTMENT OF EDUCATION
STATE OF CALIFORNIA

This page is left blank intentionally.

Introduction

Manual Content

This manual provides information about system requirements and network, hardware, and secure browser configurations for running various testing applications used in California Assessment of Student Performance and Progress (CAASPP) testing.

What's New in 2016–17

Feature	Change
Support for the California Science Tests (CAST) pilot	• Unless specifically noted, all technical requirements and specifications described in this manual apply also to the 2016–17 CAST pilot. • When additional bandwidth data are available, the CAST will be added as an option to the Network/Bandwidth Diagnostic Tool.
Support for secure browser version 6.5	Because Mac OS X 10.5 (Intel) is no longer supported, secure browser version 6.5 is also no longer supported.
Auto update for the secure browser	Auto update is not available for the current version of the secure browser (version 9.x). Secure browser updates will be announced on caaspp.org and via e-mail.
Updated secure browser for desktop and laptop machines	The updated secure browser for desktop and laptop operating systems (Windows and Mac iOS), version 9.x, is currently available and will be the only secure browser version that can be used on Windows, iOS, and Linux desktop and laptop machines after November 14, 2016, when version 8.0 will no longer be supported.

Feature	Operating System	Addition(s)
Operating system additions	Windows	Windows 10.x or Windows 11, dependent on Microsoft's release schedule
	Mac OS X (Intel)	Hypothetical OS 10.12, dependent on Apple's release schedule
	Linux	• Fedora 24–25 • openSUSE 13.2 • Ubuntu 16.04 (LTS)
	iOS	Hypothetical iOS 10.0, dependent on Apple's release schedule
	Android	• Android 5.0 (Lollipop) • Android 6.0 (Marshmallow), dependent on the release schedule
	Chrome OS	Chrome 51 and up

Feature	Operating System	Deletion(s)
Operating system deletions	Windows	• Windows XP • Windows 2003 Server
	Mac OS X (Intel)	• 10.5 • 10.6
	Linux	Fedora 19–22
	iOS	iOS 7.x
	Android	Android 4.3 and below
	Chrome OS	Chrome 50 and below

Sections

This document contains the technology requirements for online CAASPP testing for the 2016–17 test administration. This document contains the following sections:

- Introduction (this section), describes this guide.

- Chapter 1, System Requirements, lists the minimum hardware and software requirements for online testing. Ensure your device hardware complies with these requirements before undertaking the tasks described in this manual.

- Chapter 2, Network Configuration, provides information about configuring networks and lists helpful networking diagnostic tools.

- Chapter 3, System Configuration, provides guidance regarding the proper infrastructure for printers and wireless access points with specifics for local educational agency networks and student devices.

- Chapter 4, Secure Browser Configuration, provides information about configuring the secure browser on student machines and devices for online testing. The secure browser prevents students from accessing other computer or Internet applications and from copying test information. It also occupies the entire computer screen.

- Appendix A, Operating System Support Plan for the 2016–17 Test Delivery System, lists the operating systems supported for CAASPP testing and their projected end-of-support dates.

- Appendix B, URLs for Testing Systems, lists URLs that should be whitelisted in your firewalls.

- Appendix C, Technology Coordinator Checklist, lists the activities required to prepare a facility for online testing.

- Appendix D, Scheduling Online Testing, provides a worksheet for estimating the required time to administer an online test.

- Appendix E, Creating Group Policy Objects, describes how to create scripts that launch when a user logs into a Windows computer.

- Appendix F, Resetting Secure Browser Profiles, provides instructions for resetting secure browser profiles.

- Appendix G, User Support, provides Help Desk information.

Document Conventions

Table 1 lists key symbols and typographical conventions used in this manual.

Table 1. Key symbols and document conventions

Element	Description
⚠	**Warning:** This symbol accompanies important information regarding actions that may cause fatal errors.
⚠	**Alert:** This symbol accompanies important information regarding a task that may cause minor errors.

Element	Description
	Note: This symbol accompanies additional information that may be of interest.
	Tip: This symbol accompanies useful information on how to perform a task.
`file name`	Monospaced text indicates a directory, file name, or something you enter in a field.
[**text**]	Bold text in brackets is used to indicate a link or button that is selectable.

Intended Audience

This manual is intended for the following audiences:

- Technology coordinators responsible for configuring the hardware, software, and network in a school's online testing environment. Technology coordinators should be familiar with the following concepts:
  - Networking—Bandwidth, firewalls, whitelisting, and proxy servers
  - Configuring operating systems—Control Panel in Windows, System Preferences in OS X, Settings in iOS, and the Linux command line
  - Installing software—Downloading installation packages from the Internet or from a network location and installing software onto desktop or laptop computers running Windows, Mac OS X, or Linux operating systems, or Chromebook, iPad, or Android devices.
  - Configuring Web browsers—Settings in Chrome, Safari, Firefox, and Internet Explorer
- Network administrators familiar with mapping or mounting network drives, and creating and running scripts at the user and host level.
- If you install and run the secure browser from an NComputing server, you should be familiar with operating that software and related hardware.

Other Resources

These resources, as well as test administration manuals and user guides for testing within the CAASPP System, are available on the CAASPP Manuals and Instructions Web page at http://www.caaspp.org/administration/instructions/.