

NCSC Proposed Workstation and Bandwidth Technology Requirements

Test Delivery Workstation Hardware and Software: The test delivery system should align with the State Educational Technology Directors Association (SETDA) recommendations. The following represents the minimum hardware and software requirements of the test delivery workstation.	
Operating System	PC: Windows Vista SP2, Windows 7, Windows 8 Mac: 10.4.4 (Tiger), 10.5 (Leopard), 10.6 (Snow Leopard), 10.7 (Lion), 10.8 (Mountain Lion), 10.9
Browser	IE 9 or better; Firefox 24 or later; Chrome 26 or better; Opera 12 or better Safari 6 or better
Other Work Station Requirements	32 bit and 64 bit; disk space: 100 MB or more; Chromebook version 18 or better; screen resolution: 1024 x 768 or higher; screen size 9.5: inches or larger, color depth: high color, 16 bit millions; any media will be played through native browser capabilities
Required Peripherals	Mechanical keyboards; mouse; speakers for students using read-aloud features
Bandwidth	1.5 Mbits/s dedicated or faster

Additional Bandwidth Information: SETDA provides overall minimum recommendations as a baseline.		
Broadband Access for Teaching, Learning, and School Operations	2014-15 Target	2017-18 Target
An external internet connection to the internet service provider (ISP)	At least 100 Mbps per 1,000 students/ staff	At least 1 Gbps per 1,000 students/staff
Internal wide area network (WAN) connections from the district to each school and among schools within the district	At least 1 Gbps per 1,000 student/staff	At least 1 Gbps per 1,000 students/staff