

# GSS VERSION 4.0 SPECIFICATIONS - Laptop

TERMS AND CONDITIONS FOR <u>ALL</u> SYSTEMS:	MINIMUM STANDARD
<b>EPEAT: Gold for Desktops/Laptops; Silver or Gold for Tablets; Bronze/Silver/Gold for Thin Client/Chromebook.</b>	Gold for Desktops/Laptops; Silver or Gold for Tablets; Bronze/Silver/Gold for Thin Client/Chromebook. Based on EPEAT Criteria Version 2009. For EPEAT Criteria Version 2018 (Available beginning Nov. 2018), minimum standard will be EPEAT (any level).
<b>Energy Star Compliant:</b>	Yes
<b>TAA Compliant:</b>	Yes
<b>Section 508 Compliant:</b>	Yes
<b>Delivery Time (Days):</b>	30 or Less
<b>3 year Standard Manufacturer Warranty (with options for 4, 5 year)</b>	3 year standard warranty <b>includes wearable items such as keyboard and battery in laptops.</b> Warranty options for 4 and 5 years do not cover wearable items.

## Lightweight Laptop (including clamshell/convertibles)

Configuration Item	Specifications
<b>CPU: Salient processor and platform characteristics</b>	<p>CPU must be latest generation processor technology.</p> <ul style="list-style-type: none"> <li>- Processor and chipset support for Operating System Trusted Boot &amp; UEFI Secure Boot</li> <li>- Processor and chipset support for Trusted execution environment with a crypto module in hardware that is FIPS 140-2 (in process allowed but validated is preferred)</li> <li>- Processor and chipset support for AES Processor Accelerated Encryption</li> <li>- Processor and chipset support for PKI secure remote power up/down/reset</li> <li>- Stable image hardware platform that is available for at least 12 months</li> <li>- Virtualization Technology for Directed I/O</li> </ul>
<b>O/S:</b>	Windows 10 Pro 64
<b>RAM:</b>	8GB expandable up to 16GB
<b>Hard Drive:</b>	256GB SSD
<b>Graphics:</b>	Integrated HD graphics with dual monitor support
<b>Display Size:</b>	11" or larger
<b>Display Resolution:</b>	1366x768 Anti-glare (16:9)
<b>Sound:</b>	Stereo Output
<b>Speakers:</b>	Integrated Stereo (Built-in Stereo Speakers)
<b>Keyboard:</b>	ISO Standard Keyboard
<b>Webcam:</b>	Integrated
<b>Microphone:</b>	Integrated
<b>Bluetooth:</b>	Bluetooth 4.2 +, Integrated
<b>Network Interface:</b>	Gigabit Ethernet / Wireless
<b>Ports:</b>	3 USB (3.0 or C) with HDMI or Displayport
<b>Expansion Slots:</b>	Locking Cable Slot
<b>Weight (includes battery):</b>	3.5 pounds or less
<b>Platform Integrity:</b>	TPM Version 2.0
<b>OPTIONS: The following options MUST be priced and quoted</b>	
<b>Optional Docking Station:</b>	Powered Docking Station (Snap-in-dock or single cable dock with USB). Minimum 2 USB 3 ports with dual digital video output.
<b>Optional Smart Card Reader:</b>	Integrated or External FIPS-201 Approved OR ISO 7816 supported Smart Card Reader
<b>Optional keyboard and mouse:</b>	Keyboard and mouse (USB or wireless) compatible with docking stations
<b>Optional Monitor:</b>	23.6 inch viewable; must be compatible with optional docking station offered.
<b>Optional speakers:</b>	Stereo Speakers
<b>Optional Optical drive:</b>	External DVD RW (No Blu-Ray)
<b>Optional Security-enabled features:</b>	Webcam, microphone and bluetooth not provided or disabled at BIOS; no optical drive
<b>Optional Hard Drive upgrade:</b>	Larger SSD
<b>Optional memory upgrade:</b>	Upgrade up to 16 GB
<b>Optional Warranty:</b>	Extend standard manufacturer base warranty to 4 years
<b>Optional Warranty:</b>	Extend standard manufacturer base warranty to 5 years
<b>Any one or more of the following options MAY be priced and quoted. There is no requirement to offer these options.</b>	
<b>Optional imaging - pre-supplied:</b>	Ship with customer previously supplied and approved image
<b>Optional imaging - image provided with order:</b>	Ship with customer supplied image at the time of the order
<b>Optional Asset tagging:</b>	Tag assets before shipping
<b>Optional Warehousing:</b>	Store assets
<b>Optional Graphics Card:</b>	Discrete Graphics card
<b>Optional Alternative CPU:</b>	Must meet or exceed base CPU specs
<b>Optional Touchscreen:</b>	Touchscreen Capability
<b>Optional Screen Protector:</b>	Protect screen
<b>Optional Laptop Carrying Case:</b>	For laptop
<b>Optional Monitor:</b>	22 inch or larger; must be compatible with optional docking station offered.

# Laptop

Configuration Item	Specifications (minimum)
<b>CPU: Salient processor and platform characteristics</b>	CPU must be latest generation processor technology. Processor and chipset support for Operating System Trusted Boot & UEFI Secure Boot <ul style="list-style-type: none"> <li>- Processor and chipset support for Trusted execution environment with a crypto module in hardware that is FIPS 140-2 (in process allowed but validated is preferred)</li> <li>- Processor and chipset support for AES Processor Accelerated Encryption</li> <li>- Processor and chipset support for PKI secure remote power up/down/reset</li> <li>- Stable image hardware platform that is available for at least 12 months</li> <li>- Virtualization Technology for Directed I/O</li> </ul>
<b>O/S:</b>	Windows 10 Pro 64
<b>RAM:</b>	8GB RAM expandable up to 16 GB
<b>Hard Drive:</b>	256GB SSD
<b>Graphics:</b>	Integrated HD graphics with dual monitor support
<b>Display Size:</b>	13 inches or larger
<b>Display Resolution:</b>	1920x1080 Anti-glare (16:9)
<b>Sound:</b>	Stereo Output
<b>Speakers:</b>	Integrated Stereo (Built-in Stereo Speakers)
<b>Keyboard:</b>	ISO Standard Keyboard
<b>Webcam:</b>	Integrated
<b>Microphone:</b>	Integrated
<b>Bluetooth:</b>	Bluetooth 4.2 +, Integrated
<b>Network Interface:</b>	Gigabit Ethernet / Wireless
<b>Ports:</b>	3 USB (3.0 or C) with HDMI or Displayport
<b>Expansion Slots:</b>	Locking Cable Slot
<b>Weight (includes battery):</b>	5 pounds or less
<b>Platform Integrity:</b>	TPM Version 2.0
<b>OPTIONS: The following options MUST be priced and quoted</b>	
<b>Optional Docking Station:</b>	Powered Docking Station (Snap-in-dock or single cable dock with USB). Minimum 2 USB 3 ports with dual digital video output.
<b>Optional Smart Card Reader:</b>	Integrated or External FIPS-201 Approved OR ISO 7816 supported Smart Card Reader
<b>Optional keyboard and mouse:</b>	Keyboard and mouse (USB or wireless) compatible with docking stations
<b>Optional Monitor:</b>	23.6 inch viewable; must be compatible with optional docking station offered.
<b>Optional speakers:</b>	Stereo Speakers
<b>Optional Optical drive:</b>	Integrated or external DVD RW (No Blu-Ray)
<b>Optional Security-enabled features:</b>	Webcam, microphone and bluetooth not provided or disabled at BIOS; no optical drive; network default to wired
<b>Optional Hard Drive upgrade:</b>	Larger SSD
<b>Optional memory upgrade:</b>	Upgrade up to 16 GB
<b>Optional Warranty:</b>	Extend standard manufacturer base warranty to 4 years
<b>Optional Warranty:</b>	Extend standard manufacturer base warranty to 5 years
<b>Any one or more of the following options MAY be priced and quoted. There is no requirement to offer these options.</b>	
<b>Optional imaging - pre-supplied:</b>	Ship with customer previously supplied and approved image
<b>Optional imaging - image provided with order:</b>	Ship with customer supplied image at the time of the order
<b>Optional Asset tagging:</b>	Tag assets before shipping
<b>Optional Warehousing:</b>	Store assets
<b>Optional Graphics Card:</b>	Discrete Graphics card
<b>Optional Alternative CPU:</b>	Must meet or exceed base CPU specs (Price is the price of the fully configured system with this CPU)
<b>Optional Touchscreen:</b>	Touchscreen Capability

<b>Optional Screen Protector:</b>	Protect screen
<b>Optional Laptop Carrying Case:</b>	For laptop
<b>Optional Monitor:</b>	22 inch or larger; must be compatible with optional docking station offered.

## High End Laptop

Configuration Item	Specifications (minimum)
CPU: Salient processor and platform characteristics	CPU must be latest generation processor technology. Processor and chipset support for Operating System Trusted Boot & UEFI Secure Boot - Processor and chipset support for Trusted execution environment with a crypto module in hardware that is FIPS 140-2 (in process allowed but validated is preferred) - Processor and chipset support for AES Processor Accelerated Encryption - Processor and chipset support for PKI secure remote power up/down/reset - Stable image hardware platform that is available for at least 12 months - Virtualization Technology for Directed I/O
O/S:	Windows 10 Pro 64
RAM:	16GB expandable up to 64 GB
Hard Drive:	500GB SSD
Graphics:	Discrete graphics card
Display Size:	14 inches or larger
Display Resolution:	1920x1080 Anti-glare (16:9)
Sound:	Stereo Output
Speakers:	Integrated Stereo (Built-in Stereo Speakers)
Optical Drive:	Integrated or external DVD RW(No Blu-Ray) DVD with all applicable hardware drivers, both 32Bit and 64Bit where available
Keyboard:	ISO Standard Keyboard
Webcam:	Integrated
Microphone:	Integrated
Bluetooth:	Bluetooth 4.2 +, Integrated
Network Interface:	Gigabit Ethernet / Wireless
Ports:	3 USB (3.0 or C) with HDMI or Displayport
Expansion Slots:	Locking Cable Slot
Weight (includes battery):	6.5 pounds or less
Platform Integrity:	TPM Version 2.0
<b>OPTIONS: The following options MUST be priced and quoted</b>	
Optional Docking Station:	Powered Docking Station (Snap-in-dock or single cable dock with USB). Minimum 2 USB 3 ports with dual digital video output.
Optional keyboard and mouse	Keyboard and mouse (USB or wireless) compatible with docking stations
Optional Monitor:	23.6 inch viewable; must be compatible with optional docking station offered.
Optional speakers	Stereo Speakers
Optional Security-enabled features	Webcam, microphone and bluetooth not provided or disabled at BIOS; no optical drive; network default to wired
Optional Smart Card Reader:	Integrated or External FIPS-201 Approved OR ISO 7816 supported Smart Card Reader
Optional Hard Drive upgrade:	Larger SSD
Optional memory upgrade:	Upgrade up to 64 GB
Optional Warranty:	Extend standard manufacturer base warranty to 4 years
Optional Warranty:	Extend standard manufacturer base warranty to 5 years
<b>Any one or more of the following options MAY be priced and quoted. There is no requirement to offer these options.</b>	
Optional imaging - pre-supplied:	Ship with customer previously supplied and approved image
Optional imaging - image provided with order:	Ship with customer supplied image at the time of the order
Optional Asset tagging:	Tag assets before shipping
Optional Warehousing:	Store assets
Optional Graphics Card:	Integrated HD graphics with dual monitor support
Optional Alternative CPU:	Must meet or exceed base CPU specs
Optional Touchscreen:	Touchscreen Capability
Optional Screen Protector:	Protect screen
Optional Laptop Carrying Case:	For laptop
Optional Monitor:	22 inch or larger; must be compatible with optional docking station offered.

## Thin Client/Chromebook (PILOT)

Configuration Item	Specifications (minimum)
CPU: Salient processor and platform characteristics	CPU must be latest generation processor technology. - Processor and chipset support for Operating System Trusted Boot & UEFI Secure Boot - Processor and chipset support for Trusted execution environment with a crypto module in hardware that is FIPS 140-2 (in process allowed but validated is preferred)
O/S:	Varies based on virtual machine solution
RAM:	4GB
Hard Drive:	16GB
Graphics:	Integrated HD graphics
Display Size:	11 inches or larger
Display Resolution:	1366x768 (16:9) or better resolution -
Sound:	Stereo Output
Speakers:	Integrated Stereo (Built-in Stereo Speakers)
Keyboard:	ISO Standard Keyboard
Webcam:	Integrated
Microphone:	Integrated
Bluetooth:	Bluetooth 4.2 +, Integrated
Network Interface:	Wireless, Optional Ethernet (Dongle acceptable)
Ports:	USB (3.0 or C)
Weight (includes battery):	2.5 pounds or less
<b>Any one or more of the following options MAY be priced and quoted. There is no requirement to offer these options.</b>	
Optional Asset tagging:	Tag assets before shipping
Optional Warehousing:	Store assets
Optional Keyboard:	Detachable ISO standard Keyboard
Optional Slot:	Memory Card Support
Optional Stand:	Stand compatible w/system offered
Optional Warranty:	Extend standard manufacturer base warranty to 4 years
Optional Warranty:	Extend standard manufacturer base warranty to 5 years
Optional Smart Card Reader	Integrated or External FIPS-201 Approved OR ISO 7816 supported Smart Card Reader
Optional Input Device:	Stylus
Optional Carrying Case:	Carrying Case
Optional Warranty Upgrade II	Add 2 Years to Standard OEM