

PROPOSAL SUBMITTAL REVISED FORM 11: DEVICE PROPOSAL FUNCTIONALITY COMPLIANCE

LAPTOPS

	MINIMUM FUNCTIONALITY SPECIFICATION	PROPOSAL COMPARISON TO SPECIFICATIONS			NOTES/EXCEPTIONS
		MEETS	EXCEEDS	DOES NOT MEET	
a	Convertible notebook that allows the device to switch between laptop, tablet, and tent forms. Keyboard remains attached to the device at all times.	X			View and write from any angle or mode—flat, tent, tablet or laptop.
b	Attached full-size keyboard that should be able to flip around out of the way in tablet mode		X		With a sealed, spill-resistant keyboard designed to withstand 12 oz. spills, plus rubberized base for improved durability, making it able to endure a 30-inch drop.
c	Processor - Intel Celeron N4100 Processor (1.10 GHz, up to 2.40GHz Burst, 2MB cache), Intel® Pentium® N4200 Quad Core Processor (2M Cache, 1.1 GHz with Turbo up to 2.5 GHz), or Pentium 4405U Dual Core Processor (2M Cache, 2.1 GHz), Intel Core i5 processor (2MB, 2.3GHz dual-core with Turbo Boost up to 3.6GHz)	X			Intel Celeron N4100 (Quad Core, up to 2.4GHz, 4M Cache, 6W)
d	4GB DDR3L RAM	X			
e	Intel® HD Graphics 500 Series Video	X			
f	Storage - 120GB SSD hard drive. eMMC not accepted		X		M.2 128GB SATA Class 20 Solid State Drive
g	Weight - 3.5 lbs or less (additional detail under "Device Portability")		X		Weight: 3.17 lbs which is under the 3.5 lb requisite
h	Wi-Fi – 802.11 a/b/g/n/ac Wi-Fi (802.11n 2.4GHz and 5GHz)	X			
n	Miracast (Intel® Wireless Display) Compliant	X			
o	Bluetooth – 4.0 wireless technology or greater	X			
p	Operating System – Windows 10 Education	X			Window 10 Pro (National Academic License) 64 bit
s	1.0 MP front-facing cameras (world facing cameras are optional)	X			
t	Rechargeable battery - eight-hour battery capacity that will allow the device to be used throughout a standard school day with the wireless antenna activated without being recharged (additional detail under "Device Power"		X		Up to 11 hour battery life
u	Display - 11.6-inch diagonal multi-touch capacitive touch display capable of operating with the attached keyboard -1080 x 800 or 1366 x 768 minimum resolution or better	X			11.6HD WVA 16:9 (1366 x 768) Touch with Corning Gorilla Glass NBT, Camera & Microphone
v	Built-in mono-speaker (2w)	X			
w	Input/output interfaces for video, keyboard, computer, audio and capable of connecting to standard video output devices such as digital projectors, smart boards, computer monitors, and TVs (additional detail under "Ports and Print Service"). At minimum, the device must include the following ports:	X			
	2 USB (at least one of which is USB 3.0)		X		2 USB 3.1
	1 HDMI or HDMI adapter (storage containers for any proposed adapters must be included in proposal)	X			1 Full Size HDMI
	1 3.5-mm stereo headphone mini-jack	X			1 Combo headphone/microphone jack
	1 RJ-45 or RJ-45 adapter (storage containers for any proposed adapters must be included in proposal)	X			1 DELL USB 3.0 to Ethernet Adapter
x	Built-in microphone	X			

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PROPOSAL COMPARISON TO SPECIFICATIONS

	MINIMUM FUNCTIONALITY SPECIFICATION	MEETS	EXCEEDS	DOES NOT MEET	NOTES/EXCEPTIONS
y	AC power adapter and appropriate interface/power cable (minimum 5 ft. length)	X			
dd	Ruggedized casing or protective cover that is, at a minimum, capable of providing protection for the device sustaining a four-foot drop. Drop test should be performed in accordance with MIL-STD- 810G.6 Procedure IV. Additionally, shock test should be performed in accordance with MIL-STD- 810G, Method 516.6 Procedure I. Proposal must detail all tests that have been completed on the device, and what certifications the device holds regarding drop, shock and spill testing.	X			Proposed equipment includes ruggedized cases that will provide protection for the devices sustaining a four-foot drop in accordance with MIL-STD- 810G.6 Procedure IV and shock test in accordance with MIL-STD- 810G, Method 516.6 Procedure I.
ff	All electrical components must be Underwriters Laboratory (UL) Listed.	X			

TABLETS

MINIMUM FUNCTIONALITY SPECIFICATION		PROPOSAL COMPARISON TO SPECIFICATIONS			NOTES/EXCEPTIONS
		MEETS	EXCEEDS	DOES NOT MEET	
a	Tablet form factor	X			
b	Processor 1.3 GHz Apple A7 processor or Intel Celeron N4100 Processor (1.10 GHz, up to 2.40GHz Burst, 2MB cache), Intel® Pentium® N4200 Quad Core Processor (2M Cache, 1.1 GHz with Turbo up to 2.5 GHz), or Pentium 4405U Dual Core Processor (2M Cache, 2.1 GHz)		X		Intel®Pentium® Gold Processor 4415Y
c	1GB RAM		X		4GB RAM
d	Storage - 32 GB		X		eMMC drive: 64GB
e	Weight – 2.0lb or less		X		Weight: 1.15lbs which is under the 2.0 lb requisite
f	Wi-Fi – 802.11 a/b/g/n Wi-Fi (802.11n 2.4GHz and 5GHz)		X		Wi-Fi: IEEE 802.11 a/b/g/n/ac compatible
g	Bluetooth – 4.0 wireless technology or greater		X		Bluetooth Wireless 4.1 technology
h	1.0 MP front-facing (world facing cameras are optional)		X		5.0MP front-facing camera with 1080p Skype HD video 8.0MP rear-facing autofocus camera with 1080p HD video
i	Built-in mono-speaker (2w)		X		2W stereo speakers with Dolby® Audio™ Premium
j	AC power adapter and appropriate interface/power	X			
k	Ruggedized casing or protective cover that is, at a minimum, capable of providing protection for the device sustaining a four-foot drop. Drop test should be performed in accordance with MIL-STD- 810G.6 Procedure IV. Additionally, shock test should be performed in accordance with MIL-STD- 810G, Method 516.6 Procedure I. Proposal must detail all tests that have been completed on the device, and what certifications the device holds regarding drop, shock and spill testing.		X		Device protected with UAG cases are compliant with MIL-STD-810G 516.6, as certified by a NEBS certified testing laboratory
m	All electrical components must be Underwriters Laboratory (UL) Listed	X			All devices and accessories are properly certified
n	Minimum tablet screen size is 7.9 inches Rechargeable battery – eight-hour battery capacity that will allow the device to be used throughout a standard school day with the wireless antenna activated without being recharged.		X		Screen: 10" PixelSense™ Display Resolution: 1800 x 1200 (217 PPI) Resolution Corning®Gorilla® Glass 3 Touch: 10 point multi-touch 9 hours battery life

CARTS

MINIMUM FUNCTIONALITY SPECIFICATION		PROPOSAL COMPARISON TO SPECIFICATIONS			NOTES/EXCEPTIONS
		MEETS	EXCEEDS	DOES NOT MEET	
a	The cart must house at least 30 devices.		X		Accommodates 36 devices
b	The external construction must be made from welded 12 - 18-gauge solid steel frame	X			Welded frame is 14 gauge steel tubing; Chassis (top, sides and bottom) is made of 18 gauge steel panels.
c	The shelving must be 20-gauge steel or thicker		X		Shelves are 18 gauge.
d	Slot size be at least 1.25" or more to accommodate current PRDE issued student laptops and tablets with keyboards	X			Offers 1.25" compartment width.
e	Dividers must be consisting of shock absorbing ABS Plastic or Nylon shelf divider system to prevent wear and tear on devices	X			Polypropylene shelf divider system that prevents wear and tear on devices.
f	Cart width must not exceed 28" to fit through all classroom doors and cart footprint should be as small as possible to take up less space in the classroom (e.g. 28" x 28")		X		Offers very small footprint of 25.3"W x 26.5"D
g	Electrical components must be UL listed and cart shall have a switch located on the exterior of the cart to enable switching off of power to the cart if necessary	X			Entire cart and individual electrical components all carry UL Listings; exterior power switch located on the side of the cart
h	Charging components shall deliver a sufficient number of amps per device to allow for charging in the shortest period of time without negatively affecting the electronics of the devices	X			Includes a sophisticated power manager that continuously analyzes power requirements and efficiently charges devices in a round robin cycle – all from one 15 Amp electrical circuit. The power manager allows for use of the auxiliary outlet on the exterior of the cart while the batteries are charging.
i	Must work with a standard 15 Amp electrical circuit. Smart power management system that prevents circuit tripping and protects devices by charging "round robin" style and is current sensing (able to determine the changing needs of the connected devices).	X			
j	Cart must be constructed of steel or similar durable metal that prevents exterior access to the contents without opening doors (no removable panels)	X			Cart features all steel construction with no removable panels.
k	External LED to indicate charging status	X			External LED lights located on side of cart indicate charging mode of cart
l	Cart must have a cable management system to organize power adapters.	X			Front of the cart offers notched cable management channels that conveniently positions power cords to plug into devices. Cord management in the back of the cart is provided by bins for power brick and cord storage.
m	Carts must have lockable doors and must include everything needed to secure equipment, either through a metal hasp and padlock, and/or keyed locking handles; ideally with multi-point security (2 or 3 bolt locking system). If a padlock (keyed or combination) is required it must be included.	X			Offers torque resistant 3-point locking doors with two programmable combination padlocks (provided for front and rear).
n	The casters must have oversized (4" - 6" diameter and at least 1" width) industrial grade balloon (solid rubber) tires with metal construction swivel castors capable of supporting 250+ lb. each). Non-marring rubber must provide easy rolling, quiet transport and be fully lockable.	X			Cart features (4) quiet, easy rolling 5" all swivel casters for maneuvering in tight spaces; 2 are locking casters and 2 lock directionally for better control over longer distances. Each caster has a steel yoke with a 1.2" wide, polypropylene wheel.
o	Carts must adhere to UL's 10-degree tip threshold.	X			Complete cart is UL Listed to 60950-1 standard; stability requirements for 60950 includes 10 degree tip test.
p	Carts must conform to common electrical and general safety standards (e.g. UL 60950, 1678, 1667, 498, etc.)	X			
q	Full access double doors in the front for the user and in the rear for the IT Administrator.	X			Full access double doors in the front and rear of the cart.

r	Mostly unobstructed top work surface to accommodate peripherals such as printers or other devices.	X		Unobstructed top work surface that accommodates peripherals.
s	Cart must also provide ventilation vents to ensure devices don't overheat while charging in cart.	X		Cart features ample external ventilation that helps keep devices cool (ensures devices do not overheat).