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Republika ng Pilipinas

Kagawaran ng Edukasyon

Tanggapan ng Pangalawang Kalihim

OUA MEMO 00-1121-0063

MEMORANDUM

05 November 2021



For: **EXECOM and MANCOM Members
Schools Division Superintendents
Information Technology Officers
(Regional, Division, and School level)
Public Elementary and Secondary School Heads
All Others Concerned**

Subject: **RECOMMENDATION TO INCLUDE CHROMEBOOKS TO THE
LIST OF ICT EQUIPMENT TO BE DONATED TO SCHOOLS,
TEACHERS, AND/OR LEARNERS**

In line with the Office of the Undersecretary for Administration (OUA) Memorandum No. 00-0620-0030 dated 08 June 2020 titled *Minimum Specifications for ICT Equipment and Internet Services to be Donated to Schools, Teachers and/or Learners, Microsoft Licensing, and Donation Matters*, the OUA through the Information and Communications Technology Service (ICTS) recommends **inclusion of Chromebooks to the list of devices that can be donated to public schools, teachers and/or learners**. The minimum specifications of Chromebooks provided in **Annex A** will help facilitate distance learning during the COVID-19 pandemic. These shall also ensure dependability of devices in the conduct of face-to-face classes in the future.

Chromebooks run the Chrome Operating System that works seamlessly and efficiently with Department of Education (DepEd) email addresses. One of the advantages of these devices is zero-touch management and monitoring, which applies to the current teaching and learning modalities.

In connection with this, donors or benefactors are encouraged to indicate whether the provision of ICT gadgets will be done through **donation or commodatum**. For donations, the OUA recommends execution of a Deed of Donation in favor of the Schools Division Office (SDO) or the schools themselves (if these are the implementing units). For commodata, the same should be executed through written agreement, in favor of the corresponding implementing unit (i.e., SDO or school). These procedures are for purposes of proper recording and accountability.

Office of the Undersecretary for Administration (OUA)

[Administrative Service (AS), Information and Communications Technology Service (ICTS), Disaster Risk Reduction and Management Service (DRRMS), Bureau of Learner Support Services (BLSS), Baguio Teachers Camp (BTC), Central Security & Safety Office (CSSO)]

Department of Education, Central Office, Meralco Avenue, Pasig City



Please note that the benefactor is not precluded to make donations directly in favor of teachers and learners. In this case, the Department is obligated to monitor and control inventory or render final accounting of items.

Upon request, DepEd may provide donors with copies of terms of reference and bidding documents that have been used in successful procurements of ICT equipment.

For questions and concerns on this subject, kindly contact Mr. Mark Anthony C. Sy, Head of the ICTS-Educational Technology Unit (EdTech), through email at mark.sy002@deped.gov.ph .

For information and guidance.



ALAIN DEL B. PASCUA
Undersecretary



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Annex A

Minimum Technical Specifications of Chromebooks

Desktop/Laptop Type for Teachers

Features	Minimum Specifications
Operating System	Chrome OS
Processor	1.6 GHz Based Speed, with Turbo Speed
Memory	8 GB DDR4 or LPDDR4
Monitor	13" Display FHD Resolution 1080p Anti-Glare LED-backlit or IPS
Storage	32 GB HDD eMMC Solid State
Audio	6 / 1W Speaker x 2 Built-in Speakers 3.5mm standard headphone jack
Camera	720p integrated webcam
Connectivity	Wireless LAN 802.11 b/g/n/ac with dual band support, specifically 2.4Ghz and 5Ghz
Ports	1x USB-C 1x USB 3.0 1x SD/MicroSD 1x Combo Audio Jack 1x HDMI
Keyboard	US English Layout Standard Size
Touchpad	Multi-touch OR Touch page with 2 buttons
Power Adapter	Type-C or Standard DC/AC Adapter
HDD Partition	N/A
Reset	Easy key combination to restore device to original state Device must have security controls in place that user cannot wipe and repurpose for non-DepEd use
Manageability	Device/OS must have the capability to be natively managed through 1p or 3p tools to apply central policy management and reporting controls



	Truly 'Zero Touch' Enrollment capable through the Chrome Education Upgrade License
Leakage Protections	Enforce controls to prevent a user to override/reimage OS on the device Truly 'Zero Touch' Enrollment capable
Operating System Lifetime / Vendor Support	Device will continue receiving OS/ Security updates for 5 Years from RFP submission date
Warranty	3 Years+
Security	<ul style="list-style-type: none"> • Hardware Security Module (i.e., TPM or equiv) • Remote Disable, Wipe, etc. • Locked to DepEd-only usage • Enforced Data Encryption • Includes Anti-Virus/Anti-Malware Protection
Build Quality	Build quality drop resistant up to 70 cm from any of its faces
Battery Life	Minimum 10 hours of continuous usage (as defined by the PLT test)
Boot Time	Within 10 seconds (without accounting for user credential input)

Clamshell, 2-in-1 Tablet PC Type for Students

Features	Minimum Specifications
Operating System	Chrome OS
Device Type	Clamshell, Convertible or Detachable Keyboard
Processor	1.1 GHz Base Clock Speed, with Turbo Speed
Memory	4 GB DDR4 or LPDDR4
Monitor	11" Display Resolution: 1366 x 768 HD Anti-Glare LED-backlit or IPS
Storage	32 GB HDD eMMC Solid State
Audio	6 / 1W Speaker x 2 Built-in Speakers 3.5mm standard headphone jack
Camera	720p integrated webcam (front facing) Integrated webcam (rear facing)



Connectivity	Wireless LAN 802.11 b/g/n/ac with dual band support, specifically 2.4Ghz and 5Ghz
Ports	1x USB-C 1x USB 3.0 1x SD/MicroSD 1x Combo Audio Jack
Keyboard	US English Layout Standard Size
Touchpad	Multi-touch OR Touchpage with 2 buttons
Power Adapter	Type-C or Standard DC/AC Adapter
Manageability	Device/OS must have the capability to be natively managed through 1p or 3p tools to apply central policy management and reporting controls Truly 'Zero Touch' Enrollment capable through the Chrome Education Upgrade License
Leakage Protections	Enforce controls to prevent a user to override/reimage OS on the device Truly 'Zero Touch' Enrollment capable
Operating System Lifetime / Vendor Support	Device will continue receiving OS/ Security updates for 5 Years from RFP submission date
Warranty	3 Years+
Security	<ul style="list-style-type: none"> • Remote Disable, Wipe, etc. • Locked to DepEd-only usage • Enforced Data Encryption • Includes Anti-Virus/Anti-Malware Protection
Build Quality	Build quality drop resistant up to 70 cm from any of its faces
Battery Life	Minimum 10 hours of continuous usage (as defined by the PLT test)
Reset	Easy key combination to restore device to original state Device must have security controls in place that user cannot wipe and repurpose for non-DepEd use



Tablet Type

Features	Minimum Specifications
Operating System	Chrome OS
Processor	Quad-core 1.3 GHz
Memory	4 GB LPDDR4
Monitor	8" Display Resolution: 1366 x 768 HD Anti-Glare LED-backlit or IPS
Storage	32 GB HDD eMMC Solid State
Camera	5MP rear facing 2MP front facing
Connectivity	Wireless LAN 802.11 b/g/n Bluetooth
Ports	Micro USB or Type C 1x Combo Audio Jack
LTE	Optional, Preferred
Preference	Preferably Branded. Drop-proof and waterproof If volume may allow, casing should be Cyan Blue (CMYK - 71,53,0,12) as anti-fencing measure
Audio	Stereo Speakers
Sensors	Gyro/G-sensor
Manageability	Device/OS must have the capability to be natively managed through 1p or 3p tools to apply central policy management and reporting controls Truly 'Zero Touch' Enrollment capable through the Chrome Education Upgrade License
Leakage Protections	Enforce controls to prevent a user to override/reimage OS on the device Truly 'Zero Touch' Enrollment capable through the Chrome Education Upgrade License



Warranty	3 Years+
Security	<ul style="list-style-type: none"> • Remote Disable, Wipe, etc. • Locked to DepEd-only usage • Enforced Data Encryption
Build Quality	Build quality Drop resistant up to 70 cm from any of its faces
Battery Life	Approximately 10 hours of continuous usage (as defined by the PLT test)
Reset	<p>Easy key combination to restore device to original state</p> <p>Device must have security controls in place that user cannot wipe and repurpose for non-DepEd use</p>



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