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## **Annex G – Minimum Technical Requirements**

Ref: ***CFT-EUI-ICTS-2019-001***

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**YEAR 2019**

This document describes in detail the configuration of the laptops requested. It sets out the mandatory **Minimum Technical Requirements**.

**All the laptops proposed must be available on the market when the Call for Tender closes. Prototypes will not be accepted.**

The Candidate may present only one configuration of the laptop proposed. This configuration must respect the mandatory **Minimum Technical Requirements** described in detail in **Table 1**. Only brands present in **Annex R** can be accepted for the current tender.

<b>Table 1 - Reference Laptop Configuration</b>	
Description	The configuration of the laptop proposed is suitable for use in a normal advanced Office Automation environment while granting mobility.
<i>The Configuration proposed must be <b>equivalent or superior</b> to the minimum requirements described below:</i>	
CPU	8th Generation Intel Core i7-8650U Processor (Quad Core, 8MB Cache, 1.9GHz,15W)
Memory	16GB, 2x8GB slots, DDR4 2400MHz
BIOS	Power Management standby, hibernation and resume PXE and WOL activated UEFI capable
Display	14.0" FHD 1920 – 1080 Anti-Glare, HD CAM with Microphone
Battery	(4-cell) 60 Whr Express Charge Capable
Internal storage	M.2 256GB SATA Class 20 Solid State Drive
Keyboard	The following keyboard layouts must be available: United States International, Italian, German , French, Spanish
Network interfaces	100/1000 LAN with RJ45 – Ethernet card PXE and WOL capable Dual-Band Wireless-AC 8265 Wi-Fi + BT 4.2
Ports	At least 3 USB ports 3.1 (or 4 ports if RJ45 port is not available) Audio Jack SD slot HDMI or Display Port RJ45 port (optionally if only 3 USB ports are available)
Power Supply	Auto Sensing 100-240 VAC adapter for worldwide usage Power cable supplied conforms to the standards of ITALY

Manuals	All documentation manuals must be available in English or Italian and supplied electronically for the main components. Manuals in hardcopy format are not acceptable.
Operating System License	OEM License MS Windows 10 Professional - 64 bit version
Environmental	Meets the Energy Star eligibility criteria, as these are specified in the Energy Star Program requirements Product Specification for Computers version 5.2 or later
Security	TPM 2.0 or later Physical protection against theft
Certification	The hardware manufacturer must be certified to ISO 9001 (quality management system) or equivalent, see Art. 2.3 "Conformity" of the STS. The Tenderer shall enclose a copy of the certificate with Annex E (in Envelope no. 2).

The companies participating in the call for tender can propose configurations superior to the minimum required.

All participating companies must use the form provided in **Annex E - "Summary of Technical Offer"**.