



# **NASA AGENCY CONSOLIDATED END USER SERVICES (ACES)**

## **UNSOLICITED PROPOSAL**

### **ULTRA LIGHTWEIGHT LAPTOP SEAT**

In support of the  
Project Name: NASA ACES  
HPES Agreement ID#: NNX11AA01C  
Document ID: UNP-EPO-0002  
Version: 1.1  
Date of Issue: 29 July 2011

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# Ultra Lightweight Laptop



UNP- EPO-0002 / Version 1.1 / 29 July 2011

## Table of Contents

<b>1.0</b>	Introduction .....	1
<b>2.0</b>	Description of Services .....	1
<b>3.0</b>	Implementation Schedule .....	1
<b>4.0</b>	Pricing Approach .....	1
<b>4.1</b>	Price Support Detail .....	1
<b>Attachment 2:</b>	Ultra Lightweight Laptop (New Product) .....	4



## 1.0 Introduction

HP Enterprise Services, LLC (HPES) is pleased to submit the following Unsolicited Proposal to provide NASA with ACES Ultra Lightweight Laptop seats. HPES is providing this proposal, CLIN Pricing and IT-07 to describe the product detail and fixed monthly pricing for the duration of the ACES Contract. The proposed new CLINs would be in addition to the existing Seat CLINs.

HPES requests that NASA review this proposal and provide direction to HPES regarding adding these Ultra Lightweight Laptop Seats to the ACES contract.

## 2.0 Description of Services

The Contractor shall provide Ultra Lightweight Laptops with a docking station solution for end-users whose primary consideration is ultra lightweight in a computing seat. The weight of the Ultra Lightweight Laptop shall adhere to NASA-STD-2805x requirements (excluding external peripherals) and shall include all features and functionality of the Laptop platform and commercially available lightweight/ultra portable laptops. The Contractor shall provide a laptop carrying case with each Ultra Lightweight Laptop seat. The end-user may opt out of the docking station solution.

- Product Model Number: MacBook Air 13" – meets or exceeds requirements for all categories on the attached IT-07 and is compliant with 2804N..
- Product Model Number: MacBook Air 13" – meets or exceeds requirements for all categories on the attached IT-07 and is compatible with Lion. The Lion operating system is not compliant with 2804N.
- Product Model Number: E6320 Dell Ultra Lightweight– meets or exceeds requirements for all categories on the attached IT-07.

## 3.0 Implementation Schedule

These additional Ultra Lightweight Laptop Seats will be added to the ACES Seat Types and Product Catalog upon notification by NASA of acceptance of this proposal.

## 4.0 Pricing Approach

Pricing for the Ultra Lightweight Laptop Seats is provided in the attached CLIN Table. Monthly prices are provided for the duration of the ACES Contract and are consistent with HPES' original bid pricing approach.

### 4.1 Price Support Detail

In line with the FAR Part 12 – Commercial Items contracting structure for the ACES contract, HPES has proposed monthly fixed prices for the commercially available Multi-Function Devices detailed herein.

#### Revision History

Version	Modified Date	Modified By	Summary of Changes
1.0	19 July 2011	HP Enterprise Services	Initial proposal

# Ultra Lightweight Laptop



UNP- EPO-0002 / Version 1.1 / 29 July 2011

1.1	29 July	HP Enterprise Services	Updated to reflect request to two models for Lion and Snow Leopard.
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# Ultra Lightweight Laptop

UNP- EPO-0002 / Version 1.1 / 29 July 2011

Attachment 2: Ultra Lightweight Laptop (New Product)

## Attachment 2: Ultra Lightweight Laptop (New Product)

### 1.0 Apple Ultra Lightweight Laptop (New Product)

- This model is compliant with 2804N (Operating System: Snow Leopard).

Apple Ultra Lightweight Laptop (New Product)			
Vendor: Apple		Product Name: MacBook Air	
Product Model Number: MacBook Air 13"		Product Description: Macintosh Lightweight Laptop Systems	
NASA-STD-2805x (or PWS Addendum 4) Performance Characteristic	NASA-STD-2805x (or PWS Addendum 3) Performance Characteristic Minimum Value	Proposed Product Performance Specification Minimum Value	Meet or Exceed
<b>Processor</b>	<ul style="list-style-type: none"> <li>Minimum Cache Size – 6MB</li> <li>Minimum Core Count - 2</li> <li>Available Thread Count - 2</li> <li>Minimum Base Processor Frequency– 1.86 GHz</li> <li>Processor Memory Controller – 1066 MHz FSB</li> <li>Maximum Thermal Design Power – 17 Watts</li> <li>Halogen Free – Required</li> </ul>	<ul style="list-style-type: none"> <li>Intel® Core™ 2 Duo Processor 1.86Ghz</li> <li>Minimum Cache Size – 6MB</li> <li>Minimum Core Count - 2</li> <li>Available Thread Count - 2</li> <li>Minimum Base Processor Frequency– 1.86 GHz</li> <li>Processor Memory Controller – 1066 MHz FSB</li> <li>Maximum Thermal Design Power – 17 Watts</li> <li>Halogen Free – Yes</li> </ul>	Meet
<b>Memory (RAM)</b>	2.0 GB – 1066 MHz	4.0 GB DDR3 1066 MHz Memory	Meet
<b>Hard Drive Capacity</b>	128Gb Solid State	256Gb Solid State	Meet
<b>Graphics Technology</b>	64 bit, 256 MB On -Board RAM	NVIDIA GeForce 320M graphics with 256MB of DDR3 SDRAM shared with main memory	Meet
<b>Display Size</b>	13.3" – Widescreen LCD / LED-backlit glossy	13.3" LED-Backlit glossy widescreen display	Meet
<b>Display Resolution</b>	1280 x 800 Pixels	1440 x 900 Pixels	Meet
<b>Optical Drive</b>	8x SuperDrv, External DVD±R DL/DVD±RW/CD-RW)	8x USB External (DVD±R DL/DVD ±RW/CD-RW)	Meet
<b>Removable Media</b>	Encrypted 2 GB USB 2.0 memory stick FIPS 140-2 Validated	2Gb Encrypted USB Drive FIPS 140-2 Validated	Meet
<b>Weight</b>	3.0 lbs	2.9 Lbs	Meet
<b>Mouse</b>	Trackpoint pad and Optical USB w/ Scroll	Trackpad with USB Optical Scroll Mouse	Meet
<b>Keyboard</b>	Integrated	Built-in Full-size backlit keyboard	Meet
<b>Sound</b>	Analog stereo output	Combined headphone/line in (supports	Exceed

# Ultra Lightweight Laptop

UNP- EPO-0002 / Version 1.1 / 29 July 2011

## Attachment 2: Ultra Lightweight Laptop (New Product)

Apple Ultra Lightweight Laptop (New Product)			
		digital output; Combined headphone/line in (supports digital output)	
<b>Speaker(s)</b>	Internal	Built-in stereo speakers	Meet
<b>Headphones</b>	Required	Portable Lightweight Headphones	Meet
<b>Ports</b>	1 USB 2.0 1 Mini Display Port 1 MagSafe Power 1 Audio Line Out	2 USB 2.0 1 Mini Display Port 1 MagSafe Power 1 Audio Line Out	Meet
<b>Network Interface</b>	10/100/1000 BASE-T Ethernet 802.11n	10/100/1000 BASE-T Ethernet (requires adapter) / 802.11n	Meet
<b>Bluetooth</b>	2.1	Bluetooth 2.1+EDR	Meet
<b>Smart Card Reader</b>	NIST SP 800-96 compliant (external)	USB External Smartcard Reader	Meet
<b>Microphone</b>	Integrated	Integrated	Meet
<b>Energy Saving</b>	EPEAT Gold registered	EPEAT Gold Registered	Meet
<b>Microphone</b>	Built-in	Built-in Omni-Directional Microphone	Meet

## 2.0 Apple Ultra Lightweight Laptop (New Product)

- This model is not compliant with 2804N (Operating System: Lion)

Apple Ultra Lightweight Laptop (New Product)			
Vendor: Apple		Product Name: MacBook Pro	
Product Model Number: MacBook Pro Air 13"		Product Description: Macintosh Lightweight Laptop Systems	
NASA-STD-2805x (or PWS Addendum 4) Performance Characteristic	NASA-STD-2805x (or PWS Addendum 3) Performance Characteristic Minimum Value	Proposed Product Performance Specification Minimum Value	Meet or Exceed
<b>Processor</b>	<ul style="list-style-type: none"> <li>Minimum Cache Size – 6MB</li> <li>Minimum Core Count - 2</li> <li>Available Thread Count - 2</li> <li>Minimum Base Processor Frequency– 1.86 GHz</li> <li>Processor Memory Controller – 1066 MHz FSB</li> <li>Maximum Thermal Design Power – 17 Watts</li> <li>Halogen Free – Required</li> </ul>	<ul style="list-style-type: none"> <li>Intel® Core™ 2 Duo Processor 1.86Ghz</li> <li>Minimum Cache Size – 6MB</li> <li>Minimum Core Count - 2</li> <li>Available Thread Count - 2</li> <li>Minimum Base Processor Frequency– 1.86 GHz</li> <li>Processor Memory Controller – 1066 MHz FSB</li> <li>Maximum Thermal Design Power – 17 Watts</li> <li>Halogen Free – Yes</li> </ul>	Meet
<b>Memory (RAM)</b>	2.0 GB – 1066 MHz	4 GB DDR3 1066 MHz Memory	Meet
<b>Hard Drive Capacity</b>	128Gb Solid State	256Gb Solid State	Meet

# Ultra Lightweight Laptop

UNP- EPO-0002 / Version 1.1 / 29 July 2011

## Attachment 2: Ultra Lightweight Laptop (New Product)

Apple Ultra Lightweight Laptop (New Product)			
<b>Graphics Technology</b>	64 bit, 256 MB On -Board RAM	NVIDIA GeForce 320M graphics with 256MB of DDR3 SDRAM shared with main memory	Meet
<b>Display Size</b>	13.3" – Widescreen LCD / LED-backlit glossy	13.3" LED-Backlit glossy widescreen display	Meet
<b>Display Resolution</b>	1280 x 800 Pixels	1440 x 900 Pixels	Meet
<b>Optical Drive</b>	8x SuperDrv, External DVD±R DL/DVD±RW/CD-RW)	8x USB External (DVD±R DL/DVD ±RW/CD-RW)	Meet
<b>Removable Media</b>	Encrypted 2 GB USB 2.0 memory stick FIPS 140-2 Validated	2Gb Encrypted USB Drive FIPS 140-2 Validated	Meet
<b>Weight</b>	3.0 lbs	2.9 Lbs	Meet
<b>Mouse</b>	Trackpoint pad and Optical USB w/ Scroll	Trackpad with USB Optical Scroll Mouse	Meet
<b>Keyboard</b>	Integrated	Built-in Full-size backlit keyboard	Meet
<b>Sound</b>	Analog stereo output	Combined headphone/line in (supports digital output; Combined headphone/line in (supports digital output)	Exceed
<b>Speaker(s)</b>	Internal	Built-in stereo speakers	Meet
<b>Headphones</b>	Required	Portable Lightweight Headphones	Meet
<b>Ports</b>	1 USB 2.0 1 Mini Display Port 1 MagSafe Power 1 Audio Line Out	2 USB 2.0 1 Mini Display Port 1 MagSafe Power 1 Audio Line Out	Meet
<b>Network Interface</b>	10/100/1000 BASE-T Ethernet 802.11n	10/100/1000 BASE-T Ethernet (requires adapter) / 802.11n	Meet
<b>Bluetooth</b>	2.1	Bluetooth 2.1+EDR	Meet
<b>Smart Card Reader</b>	NIST SP 800-96 compliant (external)	USB External Smartcard Reader	Meet
<b>Microphone</b>	Integrated	Integrated	Meet
<b>Energy Saving</b>	EPEAT Gold registered	EPEAT Gold Registered	Meet
<b>Microphone</b>	Built-in	Built-in Omni-Directional Microphone	Meet

### 3.0 Wintel Ultra Lightweight Laptop (New Product)

Wintel Ultra Lightweight Laptop (New Product)			
Vendor: Dell		Product Name: Dell Latitude 6320	
Product Model Number: E6320		Product Description: Ultra Lightweight Laptop	
<b>NASA-STD-2805x (or PWS Addendum 4) Performance Characteristic</b>	<b>NASA-STD-2805x (or PWS Addendum 3) Performance Characteristic Minimum Value</b>	<b>Proposed Product Performance Specification Minimum Value</b>	<b>Meet or Exceed</b>

# Ultra Lightweight Laptop

UNP- EPO-0002 / Version 1.1 / 29 July 2011

## Attachment 2: Ultra Lightweight Laptop (New Product)

Wintel Ultra Lightweight Laptop (New Product)			
<b>Processor</b>	<ul style="list-style-type: none"> <li>▪ Minimum Cache Size – 6MB</li> <li>▪ Minimum Core Count - 2</li> <li>▪ Available Thread Count - 2</li> <li>▪ Minimum Base Processor Frequency– 2.66 GHz</li> <li>▪ Processor Memory Controller – 1066 MHz</li> <li>▪ Maximum Thermal Design Power – 35 Watts</li> <li>▪ Halogen Free – Required</li> </ul>	<ul style="list-style-type: none"> <li>▪ Intel® Core™ i5-2520M Processor</li> <li>▪ Cache – 3MB*</li> <li>▪ Core Count – 2</li> <li>▪ Available Thread Count – 4</li> <li>▪ Base Processor Frequency – 2.50 GHz**</li> <li>▪ Peak Processor Frequency – 3.2Ghz**</li> <li>▪ Proc Memory Controller – Integrated</li> <li>▪ Maximum Thermal Design Power – 35 Watts</li> <li>▪ Halogen Free – Yes</li> </ul> <p><i>* Current Intel i5 line with 6MB cache is not commercially available.</i></p> <p><i>** Peak processor frequency exceeds minimum base processor frequency requirement.</i></p>	Meet
<b>Memory (RAM)</b>	4.0 GB 800 MHz	4 GB DDR3 SDRAM 133MHz Memory (2 DM)	Exceed
<b>Hard Drive Capacity</b>	250 GB SATA 7200 RPM (Free Fall Sensor or equivalent)	250 GB 7200 RPM HDD with Active Protection System (APS)	Meet
<b>Graphics Technology</b>	Integrated	Intel HD 3000 Graphics with dynamic frequency	Meet
<b>Display Size</b>	13.3" WXGA+ LCD Widescreen	13.3" WXGA LED	Meet
<b>Display Resolution</b>	1280x800 Pixels	1366x768 Pixels	Exceed
<b>Optical Drive</b>	8X DVD+/-RW External	8X DVD+/-RW w/Roxio and Cyberlink	Meet
<b>Removable Media</b>	Encrypted 2 GB USB 2.0 memory stick	2Gb FIPS USB Drive FIPS 140-2 Validated	Meet
<b>Weight</b>	3.5 lbs	3.4 Lbs (Without Battery), 3.64 Lbs with 3 Cell Battery	Meet
<b>Mouse</b>	Trackpoint pad and Optical USB w/ Scroll	Trackpoint pad and Optical USB Mouse w/ Scroll	Meet
<b>Keyboard</b>	Built-in	Internal English Keyboard	Meet
<b>Sound</b>	Analog stereo output	Analog stereo output	Meet
<b>Speaker(s)</b>	Internal	Internal	Meet
<b>Headphones</b>	Required	MDR210LP Portable Lightweight Headphones	Meet
<b>Ports</b>	2 USB 2.0 1 1394	USB 2.0 1 USB/eSATA combo 1 – 1394	Meet
<b>Slots</b>	1 ExpressCard 34/54 1 SD/MMC 1 Locking Cable Slot	1 Express Card/34 1 Media Smart Card Reader 1 Locking Cable Slot	Meet

# Ultra Lightweight Laptop

UNP- EPO-0002 / Version 1.1 / 29 July 2011

## Attachment 2: Ultra Lightweight Laptop (New Product)

Wintel Ultra Lightweight Laptop (New Product)			
<b>Network Interface</b>	10/100/1000 BASE-T Ethernet 802.11n	10/100/1000 Gigabit Ethernet Intel Centrino Advanced-N 6205 802.11a/b/g/n	Meet
<b>Bluetooth</b>	Version 2.1	Version 3.0	Exceed
<b>Smart Card Reader</b>	NIST SP 800-96 compliant (Internal)	Fingerprint Reader and Contactless Smartcard Reader	Meet
<b>Energy Saving</b>	EPEAT Gold Registered	EPEAT Silver registered <i>Note: Commercially available EPEAT Gold Registered enterprise device does not meet requirements.</i>	Meet
<b>Webcam</b>	1.3 megapixel built-in	2.0 MP Integrated Web Cam	Exceed
<b>Microphone</b>	Built-in	Built Digital Microphones	Meet