



**Hewlett Packard  
Enterprise**

BROCHURE

# **HPE RENEW**

**AFFORDABLE, REMANUFACTURED PRODUCTS,  
THAT ARE AS GOOD AS NEW**



**HPE Renew Technical Remanufacturing Checklist**

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# Introduction

The checklist below details step by step how the HPE Renew remanufacturing process truly ensures that all HPE Renew products are a true reflection of new Hewlett Packard Enterprise products.

## INCOMING PRODUCT INSPECTION

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Products must pass a cosmetic inspection based on strict HPE Factory Standards. If the parts do not meet the following requirements they are replaced with original HPE new parts:

1.
    - On visible front-facing surfaces (Class 1), light scratches must measure less than 6 cm, deep scratches must measure less than 2 mm
    - Any areas of blemishes or abrasions must measure less than 1.5cm - except if caused by normal usage e.g. from moving into a Rack and out
    - Any dents on panels
    - Any rusts spots
  2. System Power up and configuration checks performed
  3. Validation of parts against Bill of Materials
  4. Components inspections, such as memory, HDD/SSD and others must bear manufacturer's seals of authenticity. Otherwise they are rejected and scrapped for Recycling
  5. All cables and accessories are replaced by new ones
  6. Perform Engineering Change Notification checks to latest new product factory specifications
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## RECONDITIONING

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7. Perform disassembly down to sub-assembly level followed by visible inspection for all parts such as PCBs, CPUs, fans, power supplies, major cages, etc.
  8. Intensive cleaning of all products and it's sub-assembly parts
  9. Removal of labels and regeneration of new product labels
  10. Minor touch up of external surfaces may occur if needed
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## ASSEMBLY & SOFTWARE INSTALLATIONS

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11. Product component assembly and system integration
  12. Storage drives reformatted and retested to ensure data integrity. Every drive is wiped clean of any data and every disk is separately overwritten
  13. Restore Factory Default settings and reset all password settings
  14. Restore licensed version of Operating System Software and install latest Firmware updates
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**PRODUCT FUNCTIONAL TEST**

15.	Coverage	Static Testing	Dynamic Testing
	Configuration and System Settings	Product Configuration Checks <ul style="list-style-type: none"> <li>• Hardware checks via system LED/LCD displays</li> <li>• Unit Serial number Update</li> <li>• System and I/O firmware verification and updates</li> </ul>	
	Fans	Fan Status checks	
	CMOS		Random Data Pattern Tests
	PCI Bus/Serial Port/USB Devices		Detect and Read tests
	Temperature Status		Temperature Caution Tests
	Peripheral Interconnect Tests Interconnectivity tests		All Hot-plug Hard disk slots DVD/CD-ROM boot and O/S installation checks LAN connectivity
	Processor	CPU clock speed	Real-time clock test cycles Up to 24hr run-in tests
	Memory	Memory Size and Slot Test	Random Address Tests Read/Write Test March/Noise/Walk/ECC Tests Up to 24hr run-in tests
16.	Interface Cards, adapters, networking Products and other options are completely verified, reset, and tested		
17.	Electrical safety Hipo and/or ground bond tests are made if adequacy electrical insulation is needed to be verified		



**FINAL PRODUCT INSPECTION AND DELIVERABLES**

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18. Archive Test logs and Product Manifest Outputs for Test status Verifications

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19. Include newest versions of product documentations and/or DVD/CD kits

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20. Optional provision of racking services for Storage and Server products, inclusive of Power Distribution Unit cabling works

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21. Re-packaging in new HPE boxes or wood crates as per HPE Factory standard packaging procedures

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22. The Warranty period is reset in the HPE Worldwide Service Database upon shipment date

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23. Product is ready for delivery and installation

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**For more information**

To learn more about HPE Renew visit:

<https://hpe-renew.hpe.com/public/uk/en/index.html>

For a full list of HPE Renew contacts for EMEA visit:

<https://hpe-renew.hpe.com/public/uk/en/contactus.html>