



## PSG Desktop and Notebook Traceability: WPTR Files Requirements

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<b>Abstract</b>	This document describes the TR files formats and illustrates records with simple examples.
<b>Applicability</b>	This document is to be used by all external partners building product for Desktop organizations (Consumer and Commercial business units) and Notebook organizations.
<b>Status</b>	Approved

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## 1 Introduction

The Worldwide Product Tracking Record (WPTR) format carries traceability information from various Assembly and Configuration sites to the product line Traceability and Warranty systems. This document describes the tracking record (TR) file formats and illustrates records with simple examples. It also links the option modules together to a specific base unit. Contact the HP Project Manager for additional information about transferring files to the Traceability project and file naming conventions

The traceability information provides the following:

- Unit Product information (serial number, model number, manufacturing date, manufacturing assembly identification) and information closely coupled like localization option, warranty option code, and other options
- Commodity list (the list of part numbers that make a product in term of subassemblies)
- Software information (Media Access Control [MAC] Address, Universally Unique Identifier [UUID], Royalty data)
- Shopping basket list for Configure-To-Order (CTO), linking the list of AV numbers that make product under warranty

There are requirements that must be implemented and others that are optional depending on business needs; refer to Table 1 for details. The WPTR file has three basic sections: (1) Header, (2) PTR record, (3) Trailer; which are always required to load properly into the New Traceability database. However, not all product lines provide all the optional PTR data in the file.

This document is to be used by all external partners building product for HP Global business Units both (Consumer and Commercial business units) and Configure-to-Order.



## 2 PTR File Description

Product Tracking Record (PTR) Files are used to track HP Unit Products manufactured and to describe their subassembly components. There are three versions in production: A.01.05 and A.01.06, described together in the A.01.XX format, and A.02.08.

### 2.1 PTR A.02.08 Field Mapping Tables

The PTR A.02.08 file format is the standard version in the New Traceability production environment and this version must be used for new sites or new suppliers of data who have to use PTR files.

Table 1: WPTR functional requirements by Business Unit											
Product lines											
6J Consumer DT	7F Commercial DT	AN Commercial NB	TA Workstation NB	UV Thin Client NB	2C Thin Client DT	US Commercial RPOS	UT Commercial Blades	UU Workstation Blades	5X Workstation DT	KV Consumer NB	WPTR Document File Sections (Mandatory = M)
M	M	M	M	M	M	M	M	M	M	M	
M	M	M	M	M	M	M	M	M	M	M	
M	M	M	M	M	M	M	M	M	M	M	
M	M	M	M	M	M	M	M	M	M	M	
M											
M	M	M	M	M	M	M	M	M	M	M	
M	M	M	M	M	M	M	M	M	M	M	
M	M	M	M	M	M	M	M	M	M	M	
											2.3 Trailer



## 2.2 Header Record

This record is present at the top of the file and is mandatory.

*Note that Red values in the matrix are fixed values.*

PTR A.02.08				
	Data	Target Field	Example or Fixed value	Length
1	Mandatory	RECORD_TYPE_CD	<i>H-PTR</i>	5
2	Mandatory	DESTINATION_ID	PL6J, PL7F, ...	4 max
3	Mandatory	FILE_SENDER_ID	F1T1*	4
4	Mandatory	FILE_SEQUENCE_NR	000001, next 000002, ...	6
5	Mandatory	DATA_EXTRACT_DT Format: CCYYMMDD .The date that the data was extracted from the source system.	20090903	8
6	Mandatory	DATA_EXTRACT_TM Format: HHMMSS military time (24 hour ) The time of day that the data was extracted from the source system. The data extraction start time.	123548	6
7	Mandatory	FILE_TIME_PERIOD_CD A code that identifies the time period covered by the data in the file	"D" for daily or "W" for weekly or "M" for monthly	1
8	Mandatory	REFERENCE_DT Format: CCYYMMDD. The intended date of the data. For DAILY files, the date of the business day represented by the data. For WEEKLY files, the last day of the business week represented by the data (i.e. a Friday date)	20090903	8
9	Mandatory	PTR_VERSION_NR	<i>PTR A.02.08</i>	11
10	Calculated	Record Length	62	5 max

\* *FILE\_SENDER\_ID* A different File Sender ID is needed for different geographical sites and product lines.

### SAMPLE HEADER RECORD

RECORD\_TYPE\_CD|DESTINATION\_ID|FILE\_SENDER\_ID|FILE\_SEQUENCE\_NR|DATA\_EXTRACT\_DT|DATA\_EXTRACT\_TM|  
FILE\_TIME\_PERIOD\_CD|REFERENCE\_DT|PTR\_VERSION\_NR|Record length

H- PTR | PL6J | F1T1 | 000001 | 20090903 | 123548 | D | 20090903 | PTR A. 02. 08 | 62

Note that reference date in the header and in the file name must be equal. If this is not the case, the file will not load into the NT database.

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## 2.3 PTR Record

One record includes one Base Unit Product's Module and several Hardware and Software Commodity's modules, Shopping Baskets modules. All fields are separated by a Pipe Character.

The record is terminated by a number representing the total length of the modules in bytes, and CR+LF.

**Note that Red values in the matrix are fixed values.**

### 2.3.1 Base Unit Product Descriptor's Module

This module describes the Unit Product itself.

PTR A.02.08				
	Data	Target Field	Example	Length
1	Mandatory	Record type Id	"PC" (Complete Product configuration)	2
2	Mandatory	Serial_Number	FR81012345	10
3	Mandatory	Product_#	D4566N	16 max
4	Mandatory	Record origin Id	"2"	1
5	Mandatory	Sub FA Origin_id	F1T101	22 max
6	Mandatory for PC	Localization Option	ABA	3
7	Optional	Warranty Option	Blank	3
8	Optional	Other options	Blank	30 max
9	Mandatory	Date Manufacturing date in following format: CCYYMMDDHHMMSS	20030903200400	14
10	Optional	Asset tag	Blank	30 max
11	Optional	Future	Blank	0
12	Mandatory	Test result	Y	1
13	Mandatory	Nb_Sub-Modules Calculated value to check the Number of attached Sub modules.	18	3 max

### SAMPLE PTR BASE UNIT RECORD

Record type Id|Serial\_Number|Product\_#|Record origin Id|Sub FA Origin\_id|Localization Option|Warranty Option|Other Options|Date|Asset tag|Future|Test Result|Nb\_Sub-Modules|

PC|FR81012345|D4566N|1|F1T101|ABA|||20030903200400|||Y|18|



### 2.3.2 Hardware Commodity Descriptor's Module

This module describes the Hardware and Software commodities of a Unit Product.

**Note that Red values in the matrix are fixed values.**

PTR A.02.08				
	Data	Target Field	Example	Length
1	Mandatory	Module type Id	<b>CM</b>	2
2	Mandatory	Generic Category	<b>HW</b>	6 max
3	Mandatory	HP Component Part number	1205-6001 D2750-63003 375039-001	16 max
4	** Mandatory  **Refer to the table in section 2.6 for affected commodities	Supplier_Part_number	WDC AC21200H CDR-8430	40 max
5	** Mandatory  **Refer to the table in section 2.6 for affected commodities	**Serial_number  Supplier serial number for commodity	WM3370994634 RDA10041	20 max
6	Optional	Date_code  Supplier_Date_Code  Supplier dependant.(equivalent to manufacturing date. Format is vendor dependant) (or "NONE")	20030822 04/22/97	20 max
7	Optional	Hardware Revision  Supplier hardware revision  (or "NONE")	24.09P07 API.0C00	20 max
8	Optional	Firmware Revision  Supplier Firmware revision  (or "NONE")	2.1b	20 max
9	Mandatory	Supplier_Name  Supplier id or vendor id	SONY IOMEGA	40 max
10	Optional	E.T. status  (Electronic Traceability) status	<b>Blank</b>	1 (9)
11	Mandatory	Type_of_operation	<b>I</b> (for Insert/tracked)	1
12	Mandatory	Quantity  Quantity (must be 1 if serial number is given (unit_part)).	1	2 max
13	Optional	Parent Product	<b>Blank</b>	12 max
14	Optional	Family	Only For HDD – comes from the HDD supplier	15 max
15	** Mandatory	Part Category or Commodity	HDD, memory, CDD ....	10 max

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PTR A.02.08				
	Data	Target Field	Example	Length
	<b>**Refer the table in section 2.6 for affected commodities.</b>	<b>Code</b>	Refer to the standard list of commodity codes defined by PSG listed on page 7.	
16	<i>Mandatory</i>	<b>Description</b>	HDD 4.3GB QTM STRATUS PLUS (Standardized abbreviation or as carried in the ODM item master)	30 max
17	<i>Mandatory for ODM PN info</i>	<b>Extra information</b>  <b>Mandatory: ODM PN</b> Large field to handle any extra new information	[CHP:8086+8086:1234+5768:0023][VID:102B+102B:0521+FF03:0003][LAN:1022+103C:2000+106E:0036]	200 max

## 2.4 Commodity Table

The following table specifies the required commodities to be sent in the WPTR files:

Part Category	Commodity Description	Manufacturer's PN (Element 4)	Manufacturer's SN (Element 4)	Scanned Part *
AUD	Audio Card	Required		Yes
GFX	Graphics Cards	Required	Required	Yes
IEE	IEEE 1394 Cards - HP PRMO make			N/A
LAN	LAN Card-Non PRMO make (CTO)	Required		Yes
MBD	Motherboard	Required	Required	Yes
MOD	Modem & Modem/Audio Combo Cards-HP PRMO make	Required		Yes
RAM	Random Access Memory	Required		No
RSR	Riser Card	Required		Yes
TVT	TV-tuner w/o graphics	Required	Required	Yes
HDD	Hard Disk Drive	Required	Required	Yes
CDD	CD Drive	Required	Required	Yes
CHB	Chassis	Required	Required	Yes
CDR	CDRW Drive	Required	Required	Yes
DVD	DVD-Drive	Required	Required	Yes
FDD	Floppy Disk Drive			N/A

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CHR	Memory Card Reader	Required		Yes
082	Power Supply	Required	Required	Yes
054	Processors	Required		No
KBD	Keyboard	Required		Yes
MUS	Mice - Mouse			No
COA	Operating System (Cert of Authenticity)	Required	Required	Yes
	FlexBuild	Software Image Data		No
RCM	Remote control module			N/A

### SAMPLE RECORDS

Module type Id|Generic Category|HP Commodity Part number|Supplier\_Part\_number|Serial\_number|Date\_code| Hardware Revision|Firmware Revision|Supplier\_id|E.T. status|Type\_of\_operation|Quantity|Parent Product|Family| Category|Description|Extra information|

CM|HW|1205-6001|WDC AC21200H||20030822|24.09P07|2.1b|SONY||I|1||HDD|||  
 CM|HW|D4690-60001|S630VT71D84F|||I|1||ODD|||  
 CM|HW|D5191-60105|336732516994|API.0C00|QUANTUM||I|1||HDD|||

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**2.4.1 Virtual Part Data - MAC Address, UUID , Manufacturing Date and Asset Tag Data**

This section only applies to Commercial Products see chart in the Introduction section of this specification.

Here is how a virtual part must be described for

- MAC Address(es) for NICs, Wi-Fi,
- UUID - universally unique identifier,
- ASSET TAG and Security Tag
- World Wide Name (WWN) or World Wide Identifier (WWID)
- MANUF\_Date virtual part records
- Operating System

PTR A.02.08				
	Data	Target Field	Example	Length
1	Mandatory	Module type Id	<b>CM</b>	2
2	Mandatory	Generic Category	<b>HW</b>	6 max
3	Mandatory	HP Component Part number	<b>VIRTUAL_PART</b>	16 max
4	Mandatory	Supplier_Part_number	<reference name>	40 max
5	Mandatory*	Serial_number	<reference name's actual value>	20 max
6	Optional	Date_code	<b>Blank</b>	20 max
7	Optional	Hardware Revision	<b>Blank</b>	20 max
8	Optional	Firmware Revision	<b>Blank</b>	20 max
9	Mandatory	Supplier_Name	<b>Blank</b>	40 max
10	Optional	E.T. status	<b>Blank</b>	1 (9)
11	Mandatory	Type_of_operation	<b>I</b> (for Insert/tracked)	1
12	Mandatory	Quantity	1	2 max
13	Optional	Parent Product	<b>Blank</b>	12 max
14	Optional	Family	<b>Blank</b>	15 max
15	Mandatory	Part Category or Commodity Code	<b>Blank</b>	10 max
16	Mandatory	Description	<b>Blank</b>	30 max
17	Mandatory for ODM PN info	Extra information <b>Mandatory: ODM PN</b>	<b>Blank</b>	200 max

As an example:

With a **MAC-address** value equal to 0A13564B7D05 should be inserted, after the appropriate "Base Unit Product" record (i.e. the one the MAC-address belongs to), as follows:

**CM | HW | VIRTUAL\_PART | MAC\_ADDR1 | 0A13564B7D05 | | | | I | 1 | | | |**

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When there are nested products or embedded wireless adapters with multiple MAC Addresses the ODM partner must include all addresses by incrementing the reference name (i.e. MAC\_ADDR2 ... MAC\_ADDR3 ...,) through all MAC Addresses in the product. See the sample in section 2.5.4.

**World Wide Name (WWN)** or **World Wide Identifier (WWID)** value should be reported when a Fibre Channel, Advanced Technology Attachment (ATA) or Serial Attached SCSI (SAS) device is present should be inserted in its ORIGINAL format (MAC-address) as follows:

CM|HW|VIRTUAL\_PART|WWN|0A13564B7D05|||||I|1|||||

CM|HW|VIRTUAL\_PART|WWID|0A13564B7D05|||||I|1|||||

**UUID data** value should be reported as two 16-char strings using reference names UUID\_HALF1 and UUID\_HALF2. The UUID value will be in the Serial Number (item 5 above) field. This is required by HP for ALL PSG Commercial units produced. Sample UUID is as follows

CM|HW|VIRTUAL\_PART|UUID\_HALF1|7209022F0CC8DE11|||||I|1|||||

CM|HW|VIRTUAL\_PART|UUID\_HALF2|9BC31725DC0B70D8|||||I|1|||||

**Manufacturing date** will use the reference name will be MANUF\_DATE and the date will be in the Serial number (item 5 above) field. The date will comply with the standard ISO-8601 Basic formatted date ("yyyymmdd").

CM|HW|VIRTUAL\_PART|MANUF\_DATE|20100609|||||I|1|||||

**Asset Tag** data will only be present when identified as a specific unit requirement. The reference name will be ASSET\_TAG or ASSET\_TG2 which will use Asset tag number #1 or #2 which tags the goods in the Serial number (item 5 above) field. This is data is optional based on the Business Unit request.

CM|HW|VIRTUAL\_PART|ASSET\_TAG|NL12345678|||||I|1|||||

CM|HW|VIRTUAL\_PART|ASSET\_TG2|NL12345678|||||I|1|||||

The Asset Tag is shown as a service on the HP order by:

AY110AV	Simple Asset Tagging
AY111AV	Standard Asset Tagging
AY112AV	Customer supplied Asset Tagging
AY116AV	HP GetMore Project (Asset Tag)

**Security Tag** data will only be when the AV service has been associated to a specific unit requirement as per the HP order. The reference name will be **SECURITY\_CIS** which will tags the goods in the Serial number (item 5 above) field. This is data is optional, unless it's included as a service on the order from HP Business Unit.

CM|HW|VIRTUAL\_PART|SECURITY\_CIS|NL12345678|||||I|1|||||

CM|HW|VIRTUAL\_PART|SECURITY\_CIS|NL12345678|||||I|1|||||

The Asset Tag is shown as a service on the HP order by:

AY113AV	Standard Security Tagging
AY114AV	Custom Security Tagging



**Operating System** data needs to be applied to all units. The primary operating system reference name will be **OS1** (item 4) and the operating system (MS Windows 8 Enterprise) will be in the serial number field (item 5). If the unit has multiple operating systems then the additional operating systems should be applied similar to the primary operating system but with reference **OS2, OS3, etc..**

**CM|HW|VIRTUAL\_PART|OS1|MS Windows 8 Enterprise|||||I|1|||||**

Complete sample for PTR Virtual Part record is in section 2.5.4

## 2.4.2 Royalty Tracking Flex Build Descriptor's Module

**Note: This section is only required for Desktop and All-In-One products using the converged SW load tools that generate Build-ID (BID) and Featurebyte strings.**

This module describes capturing the FlexBuild Label information. The information printed on the FlexBuild label needs to be captured for traceability and should follow the table and examples below. These fields should be added to the end of the Hardware and Software Commodity descriptor's module, above. This information cannot be scanned and needs to be loaded into the WPTR file systematically. The FlexBuild information consists of four "components" similar to the HW components above. Fields 3 and 16 change based on the "IMG Descriptor". The format for gathering FlexBuild information to work with PCTracker MUST follow the example below.

**Note that Red values in the matrix are fixed values.**

PTR A.02.08				
	Data	Target Field	Example	Length
1	Mandatory	Module type Id	<b>CM</b>	3
2	Mandatory	Generic Category	<b>IMG</b>	3 max
3	Mandatory	IMG descriptor	IMG_BuildID or IMG_Desc1 or IMG_Desc2 or IMG_FeatureByte	16 max
4	Mandatory	N/A	<b>Blank</b>	0
5	Mandatory	N/A	<b>Blank</b>	0
6	Mandatory	N/A	<b>Blank</b>	0
7	Mandatory	N/A	<b>Blank</b>	0
8	Mandatory	N/A	<b>Blank</b>	0
9	Mandatory	N/A	<b>Blank</b>	0
10	Mandatory	N/A	<b>Blank</b>	0
11	Mandatory	Operation	<b>I</b>	1 max
12	Mandatory	Quantity	<b>1</b>	1 max
13	Mandatory	N/A	<b>Blank</b>	0
14	Mandatory	N/A	<b>Blank</b>	0
15	Mandatory	N/A	<b>Blank</b>	0
16	Mandatory	Dependent on IMG Descriptor	<b>See examples below</b>	40 max
17	Mandatory	N/A	<b>Blank</b>	0

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Note changes in the Flexbuild image data and the Royalty tracking requires a new WPTR format for all SKUs using Microsoft software builds for Consumer Desktop products. Royalty data doesn't require checksum in feature byte description (see Win7 sample data)

**See section 2.5.5 for sample records Flex build IMG PTR record**



### 2.4.3 Shopping Basket Descriptor's Module

This module describes the Shopping Baskets for a Configure to Order Product.

PTR A.02.08				
	Data	Target Field	Example	Length
1	Mandatory	Module type Id	<b>SB</b>	2
2	Mandatory	V product number Virtual product number in the shopping basket.	C4735AV	16 max
3	Mandatory if any	Option localization Option (localization) for V product number in the shopping basket.	ABU*	3
4	Mandatory	Quantity	1	2 max
5	Mandatory	Description	CDROM 32X (INSTALLED)	40 max
6	Optional	Feature code	<b>Blank</b>	20 max
7	Optional	Feature value	<b>Blank</b>	20 max
8	Optional	Other options	<b>Blank</b>	30 max
9	Mandatory	Type_of_ operation	<b>I</b>	1
10	Optional	Future	<b>Blank</b>	0

*\*Localization Option code is needed for all CTO base units (i.e. any chassis/power supply/motherboard)*

All CTO WPTR records must include the shopping basket items (FIOs) there should each SB records must have a corresponding CM record based on the actual customer configuration ordered.

See section 2.5.6 for sample CTO WPTR record with Shopping Basket items.



#### 2.4.4 Record Length

The total count of bytes of a whole PTR Record must be supplied at the end.

PTR A.02.08				
	Data	Target Field	Example	Length
1	<i>Calculated</i>	Record Length	580	5 max

#### 2.5 Trailer Record

The Trailer Record takes place at the end of PTR file and is mandatory.

PTR A.02.08				
	Data	Target Field	Example	Length
1	<i>Mandatory</i>	RECORD_TYPE_CD	<i>T-PTR</i>	5
2	<i>Mandatory</i>	RECORD_CT Total number of records in the file, including the Header and Trailer records	00000085	8 fixed
3	<i>Optional</i>	MUC_COMMODITIES	<i>Blank</i>	30 max
4	<i>Optional</i>	IMUC_COMMODITIES	<i>Blank</i>	30 max
5	<i>Calculated</i>	Record Length	17	5 max
6	<i>Mandatory</i>		CR+LF	2



## 2.6 WPTR File Validation Requirements

1. All mandatory fields need to be verified in each WPTR record. Note the validation rules identified for each data element.
2. Ensure the proper Business Unit is identified for each product line.
  - a. Consumer DT should only have 6J identified in our WPTR file not other Business Unit products.
3. Ensure every unit shipped has a corresponding serial number record in the daily WPTR file.
4. Every PC record must include image records (See IMG requirements) for both BTO and CTO files. Vista/Win7 SKU requires different WPTR formatting (see example in section 2.2.4). –This rule applies only Consumer DT products
5. CTO file must include all the shopping basket (SB) items based on the actual order.
6. Inclusion of Mobile Device Identifiers
  - a. If the device contains **High-Speed Downlink Packet Access (HSDPA)** technology, the data identifier of CT, WWAN Module IMEI, SIM card ICCID, Activation ICCID (see example in section 2.6.6) are to be included as Hardware Commodity Descriptor (CM)
  - b. If the device contains **Evolution-Data Optimized** or **Evolution-Data only (EVDO, EV)** technology, the data identifier of CT, WWAN Module ESN (see example in section 2.6.7) are to be included as Hardware Commodity Descriptor (CM)
  - c. If the device contains **UNDP technology**, the data identifier of CT, WWAN Module IMEI, SIM card ICCID, Activation ICCID (see example in section 2.6.8) are to be included as Hardware Commodity Descriptor (CM)
7. VIRTUAL PARTS should be populated at all times
  - a. If ASSET TAG services (AY111AV ) are ordered the inclusion of the data identifies is mandatory
  - b. If SECURITY TAG services (AY113AV) are ordered the inclusion of the data identifies is mandatory
  - c. If UUID has been supplied by HP as part of the order the inclusion of the data identifies is mandatory
  - d. If unit contains Network Interface communication devices such as a NIC, Wi-Fi etc. the MAC\_ADDRn data identifies are mandatory.
  - e. If the device contains Fibre Channel, Advanced Technology Attachment (ATA) or Serial Attached SCSI (SAS) then World Wide Name (WWN) or World Wide Identifier (WWID)
8. Commodity codes must be included with each record (defined as Part Category in section 2.3).

## 2.7 Sample WPTR Records

### 2.7.1 Sample Header Record

RECORD\_TYPE\_CD|DESTINATION\_ID|FILE\_SENDER\_ID|FILE\_SEQUENCE\_NR|DATA\_EXTRACT\_DT|DATA\_EXTRACT\_TM|  
FILE\_TIME\_PERIOD\_CD|REFERENCE\_DT|PTR\_VERSION\_NR|Record length

H-PTR|PL6J|F1T1|000001|20090903|123548|D|20090903|PTR A.02.08|62

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**2.7.2 Sample PTR Base Unit Record**

Record type|Id|Serial\_Number|Product\_#|Record origin Id|Sub FA Origin\_id|Localization Option|Warranty Option|Other Options|Date|Asset tag|Future|Test Result|Nb\_Sub-Modules|

PC|FR81012345|D4566N|1|F1T101|ABA|||20030903200400|||Y|18|

**2.7.3 Sample PTR Hardware Records****SAMPLE RECORDS**

Module type|Id|Generic Category|HP Commodity Part number|Supplier\_Part\_number|Serial\_number|Date\_code| Hardware Revision|Firmware Revision|Supplier\_id|E.T. status|Type\_of\_operation|Quantity|Parent Product|Family| Category|Description|Extra information|

CM|HW|5187-2135|SP0802N|S00JJ20Y776098|||SAMSUNG||I|1||TONKA|HDD|\*HDD PATA 80GB 7200RPM P80VE 200-04 HW: REV. D SP0802N Samsung |yyy odm p/n yyy|

CM|HW|5187-5619|SM-352F|L9716GFY5017676|||Samsung||I|1||ODD|\*COMBO IDE 48X hp03 TSST HW: A TS-H492A TSST|zzzodm p/nzzz|

CM|HW|D5191-60105|ST3200826AS|3ND0EP02|||SEAGATE||I|1||TONKA|HDD|HDD SATA150 w/ latching QuiertMode 200GB 7200RPM 3.5 1 Tonka (Barracuda) FW3.03 |xxxodm p/nxxx|

Drive|||||SB|PU107AV||1|None|||||SB|PJ652AV||1|Integrated Intel(R)GraphicsMedia

Acc.900|||||SB|D7249D||1|Integrated Intel(R) High Definition Audi|||||SB|PX163AV|ABA|1|HP Keyboard, HP Scroller

Mouse|||||SB|PU024AV||1|Microsoft(R)WorksSuite2005 incl.Word2002|||||SB|D7299A|ABA|1|HPS Envelope

Insert|||||SB|PX184AV||1|Microsoft(R)Windows(R)XPHomeEditionw/SP2|||||SB|PU015AV||1|Intel(R)Pentium(R)4 519J(3.06GHz,533MHz)|||||1599

T- PTR|00000003|||17

**2.7.4 Sample PTR Virtual Part Records****SAMPLE RECORDS**

Module type|Id|Generic Category|HP Commodity Part number|Supplier\_Part\_number|Serial\_number|Date\_code| Hardware Revision|Firmware Revision|Supplier\_id|E.T. status|Type\_of\_operation|Quantity|Parent Product|Family| Category|Description|Extra information|





```

H-PTR|PL7F|F1B4|000245|20091202|151949|D|20030318|PTR A.02.08|62
PC|BRG945FOQR|VZ280LA#AC4|C|F1B401|AC4|20091107205841|Y|26|
CM|HW|VZ280LA#AC4|Y|I|1|HP Pavilion dv4-1130br NB PC BRZL |
CM|HW|10052F-201|10052F-201|Y|I|1|BOX NEW,Caixa SLIM (HP)*|10102F-201|
CM|HW|1460B0084901|WASGU0AE7YOLMG|Y|I|1|GNRC AC Adpt Smart 65W RC*|1460B0084901|
CM|HW|430316-B21|AG|Y|I|1|CLOTH, CLEANING, NGID - WW|430316-B21|
CM|HW|430395-B21|B|Y|I|1|Card, Cleaning Cloth - WW|430395-B21|
CM|HW|438722-001|Y|I|1|CORD, PWR,AC LINE,C5-BRAZIL,1.|438722-001|
CM|HW|441896-201|441896-201|Y|I|1|CARD, HP BATT RECYCLING PRG|441896-201|
CM|HW|460507-FC2|7AXVTO1VBY2HK9|Y|I|1|DRV,STD,DVDSM LS,SATA 12.7,TSS|460507-FC2|
CM|HW|469354-001|GAEKH0GB6XZE26|B|Y|I|1|ASSY,802.11abgn WLN Ntl mcd ma|469354-001|
CM|HW|488000-001|B|Y|I|1|GDE, GS M BROADBAND,2C08+,CMCP|488000-001|
CM|HW|496755-001|F|Y|I|1|ASSY, EMBD BT 2.1 BLTH SB ENH |496755-001|
CM|HW|501720-201|501720-201|B|Y|I|1|BOOK, HP WRNTY-90DAY/1YR/3YR*|501720-201|
CM|HW|503564-001|B|Y|I|1|CARD,RTFHPCONCTHGRMBB,2C08+,CM|503564-001|
CM|HW|506840-001|Y|I|1|ASSY, MDM, MDC 1.5 GZ-F|506840-001|
CM|HW|7121-8504|Y|I|1|LABEL-POWERCORD CUSTOMER NOTIC|7121-8504|
CM|HW|509065-001|0099000021554296|B|Y|I|1|WWAN Module ESN|ESNL2|
CM|HW|509065-001|B|Y|I|1|SIM card ICCID|IMEI|
CM|HW|509065-001|B|Y|I|1|Activation ICCID|IMEI|
CM|HW|509065-001|359881020517801|B|Y|I|1|WWAN Module IMEI|IMEI|
CM|HW|VIRTUAL_PART|MAC_ADDR1|AAAAAAAAAAAA|I|1|
CM|HW|VIRTUAL_PART|MAC_ADDR2|BBBBBBBBBBBB|I|1|
CM|HW|VIRTUAL_PART|MAC_ADDR3|CCCCCCCCCCCC|I|1|
CM|HW|VIRTUAL_PART|MAC_ADDR4|DDDDDDDDDD|I|1|
CM|HW|VIRTUAL_PART|MAC_ADDR5|EEEEEEEEEEEE|I|1|
CM|HW|VIRTUAL_PART|MAC_ADDR6|FFFFFFFFFFFF|I|1|
CM|HW|VIRTUAL_PART|MAC_ADDR7|GGGGGGGGGG|I|1|
CM|HW|VIRTUAL_PART|MAC_ADDR8|HHHHHHHHHH|I|1|
CM|HW|VIRTUAL_PART|MAC_ADDR9|IIIIIIIIII|I|1|
CM|HW|VIRTUAL_PART|UUID_HALF1|7209022FOCC8DE11|I|1|
CM|HW|VIRTUAL_PART|UUID_HALF2|9BC31725DC0B70D8|I|1|
CM|HW|VIRTUAL_PART|MANUF_DATE|20091103|I|1|2151
T-PTR|00000003||17

```

## 2.7.5 Sample PTR Flex Build Royalty Tracking Record

### SAMPLE RECORDS FOR PRE-VISTA SKU

```

CM|IMG|IMG_BuildID|I|1|1|BID=53NAHEBLU4, 53NAHEBLU1|
CM|IMG|IMG_Desc1|I|1|322U 2M2W 2P2J 2T2Z 332C RT56 2D4F|
CM|IMG|IMG_Desc2|I|1|67YH 6W4M 4R RIN=NA53|
CM|IMG|IMG_FeatureByte|I|1|1|FEATUREBYTE=02\121110|

```

### SAMPLE RECORDS FOR VISTA SKU

```

CM|IMG|IMG_BuildID|I|1|1|BID=71ESV3PRA4|
CM|IMG|IMG_Desc1|I|1|2S2U 2V2Z 2Z33 3D3K 3N3Q 3R3U|
CM|IMG|IMG_Desc2|I|1|3V3X 3B3M 3Q3U 464B 4C4F 4K .4Y|
CM|IMG|IMG_FeatureByte|I|1|1|FEATUREBYTE|1329|

```

### (POST DTO CONVERGENCE)

### SAMPLE RECORD FOR WIN7 SKU

```

CM|IMG|IMG_BuildID|I|1|1|BID=10NASUMW3AP|
CM|IMG|IMG_Desc1|I|1|2U2d 3D3Q 3X3m 475Z 5g67 6A6S|
CM|IMG|IMG_Desc2|I|1|6a6y .Nh|
CM|IMG|IMG_FeatureByte|I|1|1|FeatureByte|

```



### 2.7.6 Sample PTR High-Speed Downlink Packet Access (HSDPA)

```

PC|CND55112KV|EP413UA|2|F1TC|ABA|||20060117134508|||Y|26|
CM|HW|396688-001||29C4B013NSI20N|||Y|I|1|||
CM|HW|396688-001||29C4B013NSI20N|||Y|I|1|||
CM|HW|396688-001||29C4B013NSI20N|||Y|I|1|||
CM|HW|399214-001||K031802E4US547A67702|||Y|I|1|||
CM|HW|123456-789|GAAAARRSSWWXXX|Y|I|1|||
CM|HW|123456-789|WWANModuleIMEI|Y|I|1|||
CM|HW|123456-789|Sim card ICCID|Y|I|1|||
CM|HW|123456-789|Activation ICCID|Y|I|1|||
CM|SWID|399371-001|||Y|I|1|||
CM|SWID|QPLAY|||Y|I|1|||1159
  
```

Place WWAN card CT Number here

Data collected using Barcode scanner

**IMEI** field descriptor

**ICCID** field descriptor

**Activation ICCID** field descriptor

All are case sensitive and do not change

WWAN Module P/N same for all fields

Place WWAN card IMEI here

Place SIM card ICCID here (**Electronically read from test**)

Place Activation ICCID here (**Scanned during assembly**)

### 2.7.7 Sample PTR Evolution-Data Optimized or Evolution-Data only (EVDO, EV)

```

PC|CND55112KV|EP413UA|2|F1TC|ABA|||20060117134508|||Y|26|
CM|HW|396688-001||29C4B013NSI20N|||Y|I|1|||
CM|HW|396688-001||29C4B013NSI20N|||Y|I|1|||
CM|HW|396688-001||29C4B013NSI20N|||Y|I|1|||
CM|HW|399214-001||K031802E4US547A67702|||Y|I|1|||
CM|HW|123456-789|GAAAARRSSWWXXX|Y|I|1|||
CM|HW|123456-789|ElectronicSerialNumber|Y|I|1|||
CM|SWID|399371-001|||Y|I|1|||
CM|SWID|QPLAY|||Y|I|1|||1159
  
```

Place WWAN card CT Number here  
data collected using barcode reader.

**ESN** field descriptor case sensitive  
and do not change

Place WWAN card ESN here

WWAN Module P/N same for all fields

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## 2.7.8 Sample PTR UNDP technology

PC	CND55112KV	EP413UA	2	F1TC	ABA			20060117134508			Y	26
CM	HW	396688-001		29C4B013NSI20N				Y	I	1		
CM	HW	396688-001		29C4B013NSI20N				Y	I	1		
CM	HW	396688-001		29C4B013NSI20N				Y	I	1		
CM	HW	399214-001		K031802E4US547A67702				Y	I	1		
CM	HW	123456-789		GAAAARRSSWWXXX				Y	I	1		
CM	HW	123456-789		WWANModuleIMEI				Y	I	1		
CM	HW	123456-789		Sim card ICCID				Y	I	1		
CM	HW	123456-789		Activation ICCID				Y	I	1		
CM	HW	123456-789		ElectronicSerialNumber				Y	I	1		
CM	SWID	399371-001						Y	I	1		
CM	SWID	QPLAY						Y	I	1		1159

Place WWAN card CT Number here  
Data collected using Barcode scanner

**IMEI** field descriptor

**ICCID** field descriptor

**Activation ICCID** field descriptor

All are case sensitive and do not change  
**ESN** field descriptor case sensitive and do not change

WWAN Module P/N same for all fields

Place WWAN card IMEI here

Place SIM card ICCID here  
(**Electronically read from test**)

Place Activation ICCID here  
(**Scanned during assembly**)

Place WWAN card MEID here

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## 2.7.9 Sample Complete CTO with Royalty Data Included in WPTR Record

Module type|V product number|Option localization|Quantity|Description|Feature code|Feature value|Other options|Type\_of\_ operation|Future|

H-PTR|6J|F1C4|000001|20070214|233408|D|20070214|PTR A.02.08|60  
 PC|MXG7050045|RP824AV|2|F1C401|ABA|||20070208130431||Y|25|  
 CM|HW|439108-001|15G100697560H2|00144321697573|||||1|||COA-MS WINVISTA HOME BASIC  
 A|66G-01071/439108-001 ACM|  
 CM|HW|5188-2625|04G1850093C0H2|061100419381|||||1|||POWER 300W ATX WO/PFC  
 ROHS|BESTEC/ATX300-12ZCDR/5188-2625|  
 CM|HW|5188-2604|17G113010102H2|372648402439|||||1|||COMBO 48/32/16/48X H/W:1.01|LITE-  
 ON/SOHC-4836K;5188-2604|  
 CM|HW|5188-6306|80-MIB0T2-G0A02|71MM197106|||||1|||M2N61-LA/HP|R1.02(5188-  
 6306)<GA>(EN\*17276)|  
 CM|HW|5069-8439|13G025115260H2|AMCM2EM6525F1147|||||1|||MOJAVE2 CHASSIS ASSY W/O  
 POWER|ENLIGHT/5069-8439|  
 CM|HW|5188-2868|17G012A32136H2|Z1S6S99F|||||1|||SATA2 HDD 80G 7200RPM (100-  
 38)|SAMSUNG/HD080HJ/5188-2868|  
 CM|HW|5188-5053|||||1|||  
 CM|IMG|IMG\_BuildId|||||1|||BID=71NAv3PcA3||  
 CM|IMG|IMG\_Desc1|||||1|||2S2U 3233 3B3E 3G3H 3N3P 3R3T 3V3X 3u45||  
 CM|IMG|IMG\_Desc2|||||1|||4c4m .Rd ||  
 CM|IMG|IMG\_Desc3|||||1||| a1520e ||  
 CM|IMG|IMG\_FeatureByte|||||1|||FeatureByte||  
 SB|RP824AV|ABA|1|HP Pavilion a1520e PC|||||SB|D7270W||1|Integrated 5.1 Capable Sound|||||  
 SB|PX163AV|ABA|1|HP Keyboard, HP Scroller Mouse|||||  
 SB|RP835AV||1|Microsoft(R) Works 8.0|||||  
 SB|D7299A|ABA|1|HP Home & Home Office Store Insert|||||  
 SB|RJ031AV||1|Genuine Windows Vista(TM) Home Basic|||||  
 SB|RT658AV||1|AMD Sempron(TM) 3400+(1.8GHz/256KB L2)|||||  
 SB|RE508AV||1|512MB DR2-533MHz SDRAM (2x256)|||||  
 SB|RT629AV||1|80GB 7200 rpm SATA hard drive|||||  
 SB|ER169AV||1|48x max.CD-RW/DVD-ROM combo drive|||||  
 SB|EX499AV||1|2 USB, front audio ports|||||  
 SB|EJ321AV||1|No Modem|||||SB|RX819AV||1|Integrated NVIDIA GeForce 6100|||||1677  
 T-PTR|00000003||17



## 2.8 PTR File Naming

File naming convention follows this model:

**PTRsource.PL.SSSSSS.CCYMMDD**

- **Source** is an identifier for the site:  
This is unique to the source of the factory data
- PL is the product line or Business Unit (can also allow differentiate Supply Chain models retail or CTO)
- **SSSSSS** is the sequence number (6 numeric digits). It is the same value as contained in the header CCCCCC.
- **CCYMMDD** is the reference date as defined in the header of the file
- **Z** is the suffix showing the file has been compressed  
.Z is for file compressed with "compress" from Unix method  
.gz is to use for gzip compression (under NT)
- **Ftransfer\_status** is a suffix showing that the file has been successfully transferred.  
It is ftp or any other suffix when the file is being transferred.  
It is **final** when file has been transferred.  
Upon completion transfer, the file is renamed through FTP to the "final" suffix.

For example:

```
PTRASMX_BPC.000001.20080601
PTRQUANTACN.6J.000001.20090721
PTRQUANTACN.AN.003191.20090521
PTRFXCZ_CPC_RET.003490.20080603
```

**File name elements and site identification are included in the Header:**

- **SSSSSS** the sequence number is contained in the header.
- **CCYMMDD**: the reference date is also contained in the header of the file.
- **File Sender ID**: the code defined for the site originator is included in the header, and also in each ptr record (SubFA Origin ID - Site code provided by New Traceability team).

```
> WPTR Header
> -----
> H-PTR|PL7|File_sender_ID|SSSSSS|DATA_EXTRACT_DT|DATA_EXTRACT
> _TM|FILE_TIME_PERIOD_CD|REFERENCE_DATE|PTR_VERSION_NR|LENGHT
```

**Note that reference date in the header and in the file name must be equal. If this is not the case, the file will be rejected.**

## 2.9 Data Delivery and Retention

- WPTR files are to be delivered daily to HP at the close of each manufacturing business.
- The Site must follow HP data retention policies.

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## 2.10 Bundles

Bundles will be required as part of the WPTR upon direct request from the HP Business unit and the MFG Site. Bundles do not need to be provided unless specifically requested.

### 2.10.1 Bundle Record Definition

One record includes one Bundle Parent Module ("BP") and Bundle Child Base Product Unit Module ("BC"). All fields are separated by a Pipe Character.

The record is terminated by a number representing the total length of the modules in bytes, and CR+LF.

**Note that Red values in the matrix are fixed values.**

### 2.10.2 Bundle Parent Record Descriptor's Module

This module describes the Bundle Parent Record that groups 2 or more base unit products that comprises a particular bundle. If a WPTR file contains bundle records, then it should be defined first (after the WPTR header) before any "PC" (base product definition) record within that file. All bundle records (if any exists) are to be defined after the WPTR header and before the first base unit product record.

PTR A.02.08				
	Data	Target Field	Example	Length
1	Mandatory	Record type Id	"BP" (Bundle Parent)	2
2	Mandatory	Serial_Number	FR81012345	50 max
3	Mandatory	Product_#	D4566N	16 max
4	Mandatory	Bundle Description	Dual Monitor Bundle	100
5	Mandatory	Record origin Id	"1"	1
6	Mandatory	Sub FA Origin_id	F1T101	22 max
7	Optional	Localization Option	ABA	3
8	Optional	Warranty Option	Blank	3
9	Optional	Other options	Blank	30 max
10	Mandatory	Ship Date Shipping date of the bundle; in following format: CCYYMMDDHHMMSS	20030903200400	14 max
11	Optional	Asset tag	Blank	30 max
12	Optional	Future	Blank	0
13	Mandatory	Num_Products_In_Bundle Indicates the number of products that comprises this bundle	2	4 max

#### SAMPLE BUNDLE PARENT RECORD

BP|3U01330001|QS946AA|Sample Halo Room Bundle|2|F1ET01|ABA|||20110803162323|||25|

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### 2.10.3 Bundle CHILD Record Descriptor's Module

This module is the child record of a Bundle Parent Record. Each bundle child record represents one base serialized product that belongs to that bundle. Each base serialized product will be further defined in its own "PC" record within the same WPTR file.

PTR A.02.08				
	Data	Target Field	Example	Length
1	Mandatory	Record type Id	" <b>BC</b> " (Bundle Child)	2
2	Mandatory	Serial_Number	FR81012345	50 max
3	Mandatory	Product_#	D4566N	16 max
4	Optional	Localization Option	#ABA	3

#### SAMPLE BUNDLE PARENT RECORD

BC|KRG4564566|XG825AA|

BP|3U01330001|QS946AA|Sample Halo Room  
 Bundl e|2|F1ET01|ABA|||20110803162323|||25|BC|KRG4564566|XG825AA|#ABA|BC|KRG4123422|XG825AA|#ABA|B  
 C|2UA4123412|XZ876UA|#ABA|BC|3U0133C001|661321-001|||

**2.11 Revision History**

<b>Revision, Date, Change Number</b>	<b>Brief Description of change</b>
AX00, V4.1 21-Jun-2010,	Reformat of WPTR_FILE Spec_208_v4.1 06172010 to Corporate Standards Group template.
AX01, V4.2 07-Oct-2010	Addition of shopping basket, Virtual Part MFG_Date, field Mapping tables, Data Delivery and Retention Change by Torisa Chang (PSG)
AX02, V4.3 01-Jult-2011	Addition of Security Tag, WWID, Telcom devices – HSDPA, EVDO, UNDP, and re-instatement of Trailer CR+LF Change by Chris Hill (EB-IT) on behalf of Sandeep Karki (WEO Business Ops)
V4.4 10-Feb-2012	Addition of Operating System virtual part. Addition of Bundle formatting. Change by Sandeep Karki (WEO)

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