

IBM Global Labeling Guide

Volume 7 - Packing Lists and Case Content Labels

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1.0 Introduction

This is volume 7 of the Global Labeling Guides which documents what packing lists and case content labels should look like to conform to the needs of IBM and IBM's business partners and customers.

Before reading this volume you should first read volume 1. It contains background information that pertains to all of the volumes in the Global Labeling series.

A list of all the volumes in the Global Labeling series is contained in volume 1 "Overview and General Rules" (IBM part number 31L5038).

2.0 Definition

Packing Lists and Case Content Labels to a large extent are serving the same purpose: they itemize what is contained in a case container, overpack box, or pallet to which they are affixed.

2.1 Packing List

A packing list is a document that contains product related as well as order related information. It relates to a particular entity (i.e. transport unit) that is shipped to a certain destination. As indicated by the name 'Packing List', it summarizes all items that have been physically packed together into one handling unit.

Note: do not confuse the packing list with an AoD / PoD (Advice / Proof of Delivery). Whereas those documents summarize all items of the entire shipment to a customer, the packing list only covers one entity, be it a container that contains just one (large) product, or be it a pallet with multiple boxes of (like or unlike) items. Refer to volume 4 (IBM part number 31L5041) for more information on the AoD / PoD.

2.2 Case Content Label

A 'Case Content Label' (or 'Pallet Label' or 'Box Contents Label') itemizes what is contained in a case container, overpack box, or pallet to which it is affixed. Besides the shipping label, it is the most outer label of the shippable unit or entity.

Note: do not confuse the case content label with the product package label. In detail the main differences are:

- A product package label is a label affixed to the immediate container of a particular, designated product, which may consist of one or more different items, in a quantity of one or more than one.

Example 1: a desktop computer coming with a keyboard, mouse, cables and handbook.

Example 2: a package containing a quantity of xx memory chips.

- The case content label is affixed to a pallet or container which represents a higher (consolidation) level of packaging of like or unlike items.

Example 1: a pallet containing xx (single packed) ThinkPads.

Example 2: an (overpack) box containing a quantity of x of item A, y of item B and z of item C.

3.0 Rules for Applying Packing Lists and Case Content Labels

- Each case (i.e. pallet or transport unit) must contain either a packing list or a case contents label.
- For single CTO products, a packing list is preferred over the case content label as the product package label already contains much of the product related information and is easily accessible to people for identification and handling.
Example : a large server product, shipped in one or more cases.
- A shipment of standard catalogue or Built To Plan (BTP) products with multiple serialized items on a pallet requires a case contents label with bar / 2D coded information as many business partners need the ability to scan the serial numbers from the case contents label, as all the single product package labels may not easily be accessible.

Example : a pallet of monitors.

4.0 Requirements

4.1 General Layout of a Packing List

A packing list basically should contain three sections:

- A header section with general references
- A product details section
- A closure for additional information

The general format and layout of the packing list is shown in figure 1 below. The data elements of a packing list are shown in section 4.3. Examples of packing lists are shown in Appendix A.

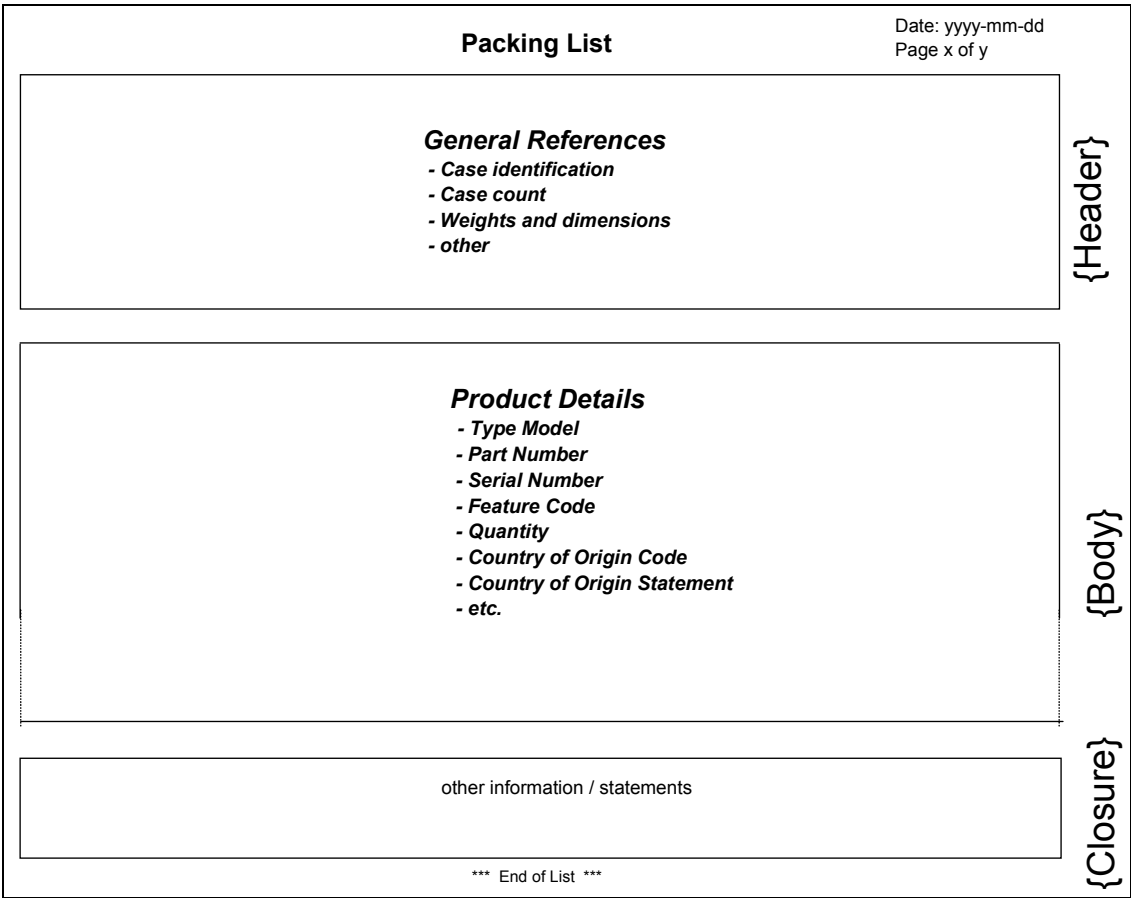


Figure 1 : Packing List basic layout

4.2 General Layout of a Case Content Label

A case content label basically contains three segments:

- The case identification section with general references
- The case content section with product details
- A section for additional data elements and a 2D code

The general format and layout of a case content label is shown in figure 2 below. The data elements which are printed in the segments are described in section 4.3

If the case content does not fit on one label, print a second one and attach them next to each other.

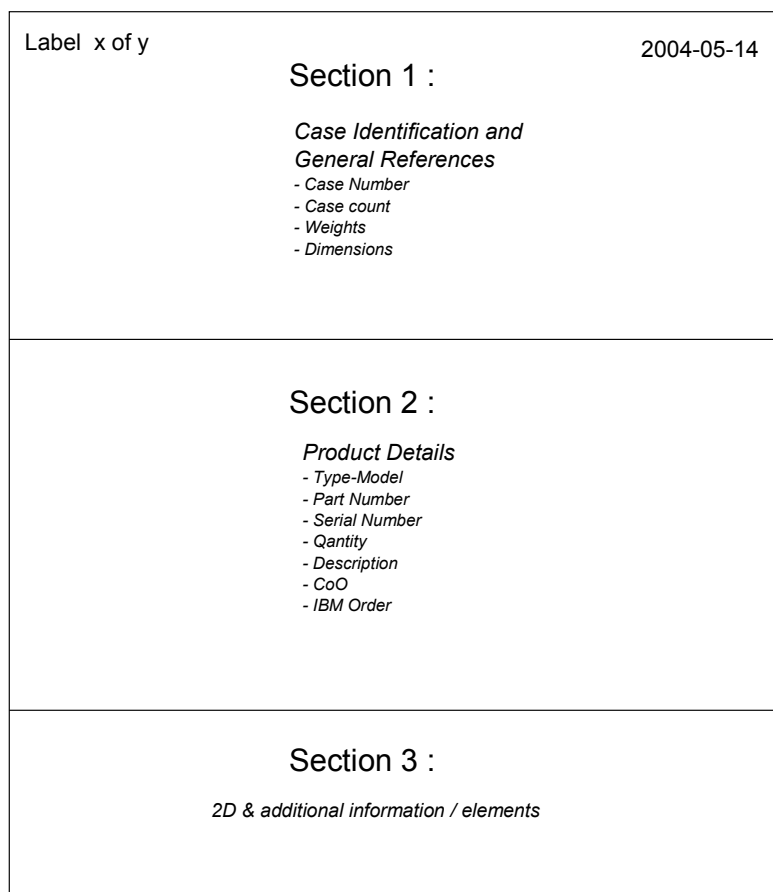


Figure 2 : Case Content Label basic layout

4.3 Data Elements on Packing Lists and Case Contents Labels

Following is the list of data elements that are required to be printed on a packing list or case content label. See appendices A and B for examples.

Data element	Section on Packing List H = Header B = Body C = Closure	Section On Case Content Label	Data Format	Comments
Date	H	1	YYYY-MM-DD	REQUIRED. Represents the date the case or pallet has been created, activated or date the label or packing list has been printed and attached to the entity.
Page count	H	n/a	Page X of Y	REQUIRED.
Label count	n/a	1	Label X of Y	REQUIRED IF case content data spreads over 2 or more labels.
Case Number	H or B	1	AN13	REQUIRED. Must be the same case number as shown on the case's/pallet's shipping label.
Case count	H or B	1	Case X of Y	REQUIRED IF the case is a 'related' case, i.e. it is indexed by the case number suffix as one case in a sequence of cases which have to be shipped / kept together. This also applies to so called 'mother - child' cases. Example: large machine with ship group.
IBM Order Number	H or B	2	AN 6..12	REQUIRED. IBM sales order number assigned by an IBM order system (e.g. AAS, GEMS, OPAL, EOSE)
Customer Purchase Order Number	H or B	2 or 3	AN 1..22	REQUIRED IF The customer purchase order number for the item is known and available at the time the packing list or the case content label is printed
IBM Machine Type-model	H or B	2	AN 7	REQUIRED IF the product has been ordered by the customer as a machine type-model.
Feature Code	B	2	N4	REQUIRED IF the product is ordered by feature code.
IBM Part Number	B	2	AN 7	REQUIRED IF the product is ordered by the customer as a part number.
Serial Number	H or B	2	AN7..12	REQUIRED IF the product is serialized. Note: dashes must be omitted in the serial numbers.
Quantity	B	2	N 1..8	REQUIRED. Quantity of the item.

Data element	Section on Packing List H = Header B = Body C = Closure	Section On Case Content Label	Data Format	Comments
Description	B	2	A 1..30	REQUIRED. Description of the item. It should contain at least one word which describes significantly what the item is (e.g. "cable", "disk drive"). The description must match the words used in the invoice, and should also match the description of the item contained in the IBM sales pages, product catalogue or offering. It should also match the one on the product package label. Note: It is important to be consistent with the description across all applications.
Country of Origin Code	B	2	A2	REQUIRED IF bar coded or the product details are shown in tabular format. Two character ISO 3166 Country code for each listed item. Refer to Global Labeling Guide Volume 1 (IBM part number 31L5038) for the definition of country of origin. Note: the designation in using the 2 digit CoO codes must be 'Origin'
Summary of Countries of Origin	C	2 or 3	A	REQUIRED. Statement " This case / shipping container / pallet contains merchandise from : " followed by the full names in English of the countries of origin of the products of this shipping unit and which are listed on this case content label or packing list.
Weight	H or C	1 or 3	N 2..5	OPTIONAL Net and gross weight of the entity (pallet, case). Show 1 decimal.
Dimensions	H or C	1 or 3	N 2..5	OPTIONAL Length, width and height of the entity (pallet, caes). Show 1 decimal.
other Data Elements	H, B or C	3	.	OPTIONAL. Any other data elements that are needed by the operation should be printed in this section. This may e.g. be storage area, entity number, etc. or any other order or product related data elements that are requested by the customer.
2d symbol		3	PDF417	REQUIRED for the case content label. See Appendix C for details. If the case content spreads over more than one label, print the 2D code at the bottom of the last label.

Table 1 : Data Elements of Packing Lists and Case Content Labels

4.4 Data Element Presentation on Packing Lists

All information / data elements on a packing list per section 4.3 should be printed in a way that the data is easy to recognize and read. This includes printing of the data elements designation, i.e. their titles or names.

For the body section of a packing list it is strongly recommended to use a tabular format

At the time of this release of the guideline, bar codes or 2d symbols are not required to be printed on a packing list. Each business unit however may decide to provide machine readable symbols. If a 2d symbol is provided, it should be printed in section C at the bottom of the packing list.

For requirements on printing bar codes refer to the Global Labeling Guide Vol.1, part number 31L5038. For the 2D symbol, use the PDF417 symbology. Refer to the Global Labeling Guide Vol.1, part number 31L5038, for requirements on data structure and syntax. See also appendix B in this document for an example.

4.5 Machine Readable Data Elements on Case Content Labels

The choice of machine readable presentation on a case content label in addition to human readable text is dependant on customer and business requirements. The following table is based on most common uses. Special customer or business requirements may lead to deviation from these recommendations.

For requirements on printing bar codes and 2d symbols please refer to Global Labeling Guide Vol.1 (part number 31L5038).

Use a PDF417 symbol as 2d code. See Appendix B of this document for an example of data syntax and data structure in 2d symbols.

Data element	Data Identifier	Bar Code	2D Code
Case Number	9S	REQUIRED	REQUIRED
Machine Type-model	31P	REQUIRED IF the item is known and has been ordered as machine type- model.	REQUIRED IF the item is known as a machine type-model.
Part Number	1P or 30P *)	REQUIRED IF the item is known and has been ordered as part number.	REQUIRED IF the item is known as part number.
Machine or Part Serial Number	S	REQUIRED IF the item is serialized	REQUIRED IF the item is serialized
Feature Code	12P	N/A	REQUIRED IF the product is ordered by feature code.
Quantity	Q	REQUIRED IF the case contains non-serialized items.	REQUIRED IF the case contains non-serialized items
Country of Origin Code	4L	REQUIRED IF label space permits bar coding.	REQUIRED
Machinetype-Model-Serial Number	1S	REQUIRED IF the item is serialized and label space permits.	N/A
Part Number - Serial Number	11S	REQUIRED IF the item is serialized and label space permits.	N/A

*) 30P to be used with a top bill of material part number (e.g. for a finished good), 1P for all others.

Table 2 : Machine readable data elements on case content labels

[5.0 Placement of Packing Lists and Case Content Labels](#)

[5.1 Placement of Packing Lists](#)

Packing lists should be put into an envelope (preferably clear plastic) to protect it from environmental hazards (dust, moisture) and attach it to the most exterior, vertical surface of the case or pallet it relates to for easy access without opening the box. Choose a position for placement where it doesn't obstruct or interfere with other labels and handling symbols.

The envelope should carry an imprint with language that points to the packing list, i.e. "Packing List" or "Contains Packing List".

Operating units may decide to additionally put a copy of the packaging list into the box or container.

[5.2 Placement of Case Content Labels](#)

Case content labels should be applied to the most exterior vertical surface of the case or pallet. Choose a position - preferably in close proximity to the shipping label - where it doesn't obstruct or interfere with other labels and handling symbols.

Apply two identical labels on adjacent sides of large cases or pallets to facilitate access to label data if cases / pallets are queued up closely on shipping and receiving areas. A case is considered large if its length+depth+width is greater than 72 inches or approximately two meters.

Appendix A: Examples of Packing Lists

A.1 Packing List Type 1

This is an example of a packing list for one (large) machine, where the whole machine and all ordered features spreads over more than one pallet / transport unit.

Packing List							Date: 2004-05-24
for							Page 1 of 1
Mach.Type-Model:	Mach. Serial No.:	IBM Order No.:	Customer P.O.:				
7080-F20	75FH789	GKB17H	143-HAM781-JKL				
Feature Code	Part Number / Mach.-Type-Model	Serial Number	Qty	Misc Info	Description	Origin	Case #
Base	n/a	75FH789	1	machine	Standard System Build	US	708075FH78901
Base	00031L6899	n/a	1	ship group	Line Cord, 250V 14A	KR	708075FH78902
4000	00031L6888	n/a	1	installed	Adapter, Flat panel	US	708075FH78901
4102	00028L3644	n/a	3	installed	1024 MB DIMMs 200-pin 10ns SDRAM	TH	708075FH78901

This machine is shipped with following case numbers:
708075FH78901, 708075FH78902

Cases contain merchandize from:
US, Korea, Thailand

*** End of List ***

Figure 3 : Packing list type 1, product spreads over more than one case

A.2 Packing List Type 2

Below is an example of a packing list of a pallet / case containing serialized products.

Packing List						Date: 2004-05-24
for Case No. : 988CASE578900						Page 1 of 1
Customer P.O.:		IBM Order No.:				
143-HAM781-JKL		GKB17H				
Machine Type-Model	Serial Number	Qty	Part No.	Description	Origin	
2373-4G9	55H7893	1	VGL923T	ThinkPad T40, 1.6 Ghz, 40 Mb HDD, 512 Mb Ram	CN	
2373-4G9	55H7894	1	VGL923T	ThinkPad T40, 1.6 Ghz, 40 Mb HDD, 512 Mb Ram	CN	
2373-4G9	55H7895	1	VGL923T	ThinkPad T40, 1.6 Ghz, 40 Mb HDD, 512 Mb Ram	CN	
2373-4G9	55H7896	1	VGL923T	ThinkPad T40, 1.6 Ghz, 40 Mb HDD, 512 Mb Ram	CN	
Total number of products : 4 This case contains merchandize from : China						
*** End of List ***						

Figure 4 : Packing list type 2, multiple (like) items on a pallet.

Appendix B: Examples of Case/Pallet Content Labels

B.1 Case Content Label with Serialized like Items

This is a case contents label which typically is required by IBM business partners. It shows the contents of a pallet with mixed serialized items.

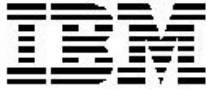
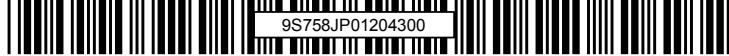
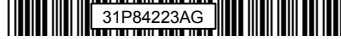


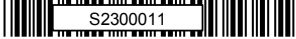
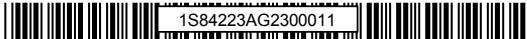
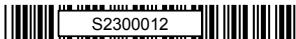
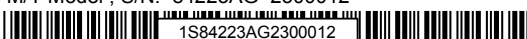
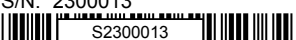
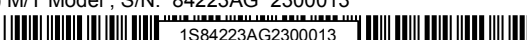
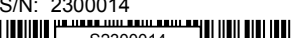
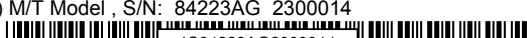
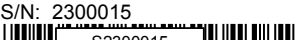


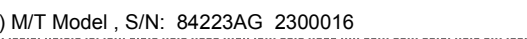

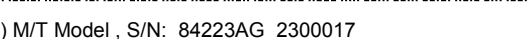




		(9S) Case Number: 758JP01204300	Case 1 of 1
		9S758JP01204300	
Machine-Type-Model: 8422-3AG		ThinkCentre A51p 4x5	
2004-05-29			
(31P) M/T-Model: 8422-3AG		(Q) Quantity: 8	
			
		(4L) Origin: HU	
			
Sales Order: 947162367832		Cust. P.O. : 143-F-7025FG-04	
(S) S/N: 2300011 		(1S) M/T Model , S/N: 84223AG 2300011 	
(S) S/N: 2300012 		(1S) M/T Model , S/N: 84223AG 2300012 	
(S) S/N: 2300013 		(1S) M/T Model , S/N: 84223AG 2300013 	
(S) S/N: 2300014 		(1S) M/T Model , S/N: 84223AG 2300014 	
(S) S/N: 2300015 		(1S) M/T Model , S/N: 84223AG 2300015 	
(S) S/N: 2300016 		(1S) M/T Model , S/N: 84223AG 2300016 	
(S) S/N: 2300017 		(1S) M/T Model , S/N: 84223AG 2300017 	
(S) S/N: 2300018 		(1S) M/T Model , S/N: 84223AG 2300018 	
This pallet contains merchandize from: Hungary			
UPC Item Code: 		Case Identification and Case Contents: 	

Figure 5 : Case Content Label with serialized like items

B.2 Case Content Label with Serialized unlike Items

This example shows a case contents label of a pallet with mixed serialized items.


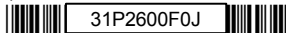

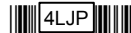
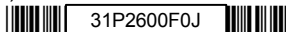

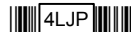
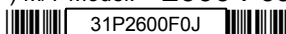

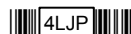
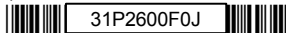

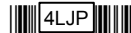
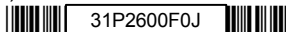

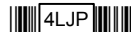
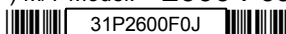

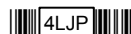
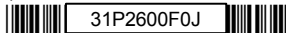

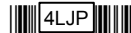
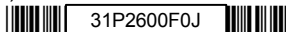

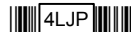
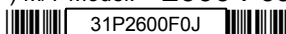

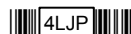
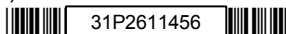

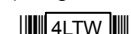
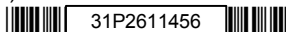

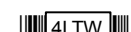
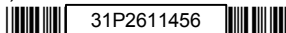
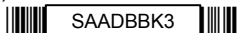
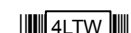
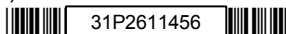

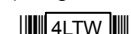
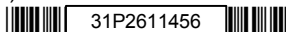

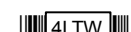
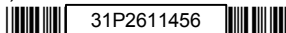
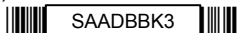
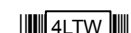
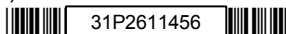

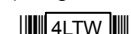
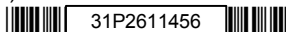

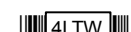
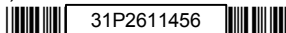
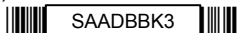
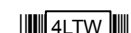

(9S) Case Number: 9881234567800 		2004-05-31 Case 1 of 1									
IBM Order: DGH96	Cust. PO: 147-2891AB-19										
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(31P) M/T Model: 2600 F0J 	(S) S/N: AAD0001 	(4L) Origin: JP 									
(31P) M/T Model: 2600 F0J 	(S) S/N: AAD0002 	(4L) Origin: JP 									
(31P) M/T Model: 2600 F0J 	(S) S/N: AAD0003 	(4L) Origin: JP 									
<p>ThinkPad i 1400</p> <table border="0"> <tr> <td data-bbox="245 1203 691 1276"> (31P) M/T Model: 2611 456  </td> <td data-bbox="691 1203 1016 1276"> (S) S/N: AADBBK1  </td> <td data-bbox="1016 1203 1279 1276"> (4L) Origin: TW  </td> </tr> <tr> <td data-bbox="245 1293 691 1367"> (31P) M/T Model: 2611 456  </td> <td data-bbox="691 1293 1016 1367"> (S) S/N: AADBBK2  </td> <td data-bbox="1016 1293 1279 1367"> (4L) Origin: TW  </td> </tr> <tr> <td data-bbox="245 1383 691 1457"> (31P) M/T Model: 2611 456  </td> <td data-bbox="691 1383 1016 1457"> (S) S/N: AADBBK3  </td> <td data-bbox="1016 1383 1279 1457"> (4L) Origin: TW  </td> </tr> </table>			(31P) M/T Model: 2611 456 	(S) S/N: AADBBK1 	(4L) Origin: TW 	(31P) M/T Model: 2611 456 	(S) S/N: AADBBK2 	(4L) Origin: TW 	(31P) M/T Model: 2611 456 	(S) S/N: AADBBK3 	(4L) Origin: TW 
(31P) M/T Model: 2611 456 	(S) S/N: AADBBK1 	(4L) Origin: TW 									
(31P) M/T Model: 2611 456 	(S) S/N: AADBBK2 	(4L) Origin: TW 									
(31P) M/T Model: 2611 456 	(S) S/N: AADBBK3 	(4L) Origin: TW 									
This pallet contains merchandise from: Japan, Taiwan	Case identification and content 										

Figure 6 : Case Content Label with mixed serialized items

B.3 Case Content Label with Serialized and Non-serialized Items

Note: This type of label should not be used for palletized BTP products shipped to IBM Business Partners.


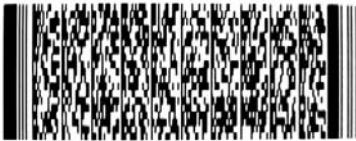
Case Identification		2004-05-14				
(9S) Case Number: 9881234567801		Case 1 of 2				
						
L :	xxx , x	cm				
W :	yyy , y	cm				
H :	zzz , z	cm				
		Gross Wt : xxx , x kg				
		Net Wt : yyy , y kg				
Case Contents						
Type-Model / Part Number	Feature	Serial #	Qty	Description	Origin	IBM Order
7133-D40	N/A	1039024	1	SSA Disk System	HU	7HDMPA
7133-D40	N/A	1039025	1	SSA Disk System	HU	7HDMPB
7133-D20	N/A	1044724	1	SSA Disk System	HU	7HDMPD
44H1271	N/A	N/A	3	19" Rack for SSA	CN	7HDMPD
18G6172	N/A	N/A	12	Rail for 19"Rack	TW	7HDMPE
This case contains merchandise from : Hungary, China, Taiwan						
Cust. P.O.: 153TGA-04-254				Case Identification + Content		
						

Figure 7 : Case Content Label with serialized and non-serialized items

B.4 Case containing non serialized items

Note: This type of label should not be used for palletized BTP products shipped to IBM Business Partners.


<p>(9S) Case Number: 9881234567801</p>  <p>9S9881234567801</p>		<p>2004-06-01 Case 1 of 8</p>																																													
<p style="text-align: center;">Case Contents</p> <table border="1"> <thead> <tr> <th>Customer P.O.</th> <th>IBM Part #</th> <th>QTY</th> <th>Description</th> <th>Origin</th> </tr> </thead> <tbody> <tr> <td>123456789-0</td> <td>12H0002</td> <td>80</td> <td>Cover, black</td> <td>US</td> </tr> <tr> <td>123456789-0</td> <td>31JABCD</td> <td>25</td> <td>125 Mb memory chip</td> <td>HU</td> </tr> <tr> <td>123456789-0</td> <td>22G9876</td> <td>7</td> <td>Power cord, US</td> <td>UK</td> </tr> <tr> <td>123456789-1</td> <td>12H0002</td> <td>35</td> <td>Cover, black</td> <td>US</td> </tr> <tr> <td>123456789-1</td> <td>32F0001</td> <td>17</td> <td>Cover, grey</td> <td>HU</td> </tr> <tr> <td>123456789-2</td> <td>12H0002</td> <td>13</td> <td>Cover, black</td> <td>US</td> </tr> <tr> <td>123456789-3</td> <td>12H0002</td> <td>29</td> <td>Cover, black</td> <td>US</td> </tr> <tr> <td>123456789-3</td> <td>31L1111</td> <td>67</td> <td>Bezel</td> <td>UK</td> </tr> </tbody> </table> <p>This case contains merchandise from : Hungary, United Kingdom, United States of America</p>			Customer P.O.	IBM Part #	QTY	Description	Origin	123456789-0	12H0002	80	Cover, black	US	123456789-0	31JABCD	25	125 Mb memory chip	HU	123456789-0	22G9876	7	Power cord, US	UK	123456789-1	12H0002	35	Cover, black	US	123456789-1	32F0001	17	Cover, grey	HU	123456789-2	12H0002	13	Cover, black	US	123456789-3	12H0002	29	Cover, black	US	123456789-3	31L1111	67	Bezel	UK
Customer P.O.	IBM Part #	QTY	Description	Origin																																											
123456789-0	12H0002	80	Cover, black	US																																											
123456789-0	31JABCD	25	125 Mb memory chip	HU																																											
123456789-0	22G9876	7	Power cord, US	UK																																											
123456789-1	12H0002	35	Cover, black	US																																											
123456789-1	32F0001	17	Cover, grey	HU																																											
123456789-2	12H0002	13	Cover, black	US																																											
123456789-3	12H0002	29	Cover, black	US																																											
123456789-3	31L1111	67	Bezel	UK																																											
<p>IBM Order # : DGH45L</p>	<p>Case identification and contents</p> 																																														

Figure 8 : Case Content Label with mixed non serialized items

B.5 Case containing Feature Items

This is an example of a case content label that is used to identify a collection of separately packaged parts that have been placed in a box:



				2004-05-29 Case 1 of 1	
(9S) Case Number:		9888765432100			
					
Case Contents					
Feature Code	IBM Part #	Qty	Description	Origin	
2000	0375867	2	Nut Clip	US	
2000	07H8604	1	Rail, Left	US	
2000	07H8605	1	Rail, Right	US	
2000	1624779	4	Screw	US	
1012	09L0060	2	PSU Cable	IT	
1012	09L2640	1	EOM Logo	FR	
4004	08L0054	1	Cover, Black	JP	
4008	08L8761	1	Cover, White	JP	
9990	34L9391	1	Enclosure	US	
This case contains merchandise from : France, Italy, Japan, United States of America					
IBM Order: AK7GQZ Cust. P.O.: O-DAH76TH-287			Case identification and content 		

Figure 9 : Case Content Label with feature items

B.6 Multipack or Bulk Commodity Label for Serialized Products

This is an example of a case content label of bulk packaged, serialized components ordered by IBM part number.



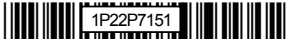
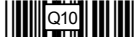
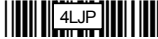
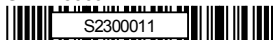
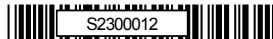
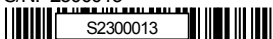
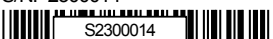
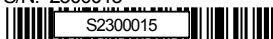
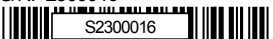
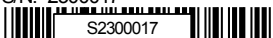
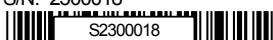
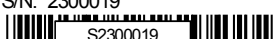
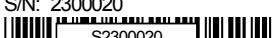
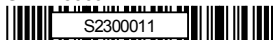
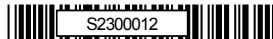
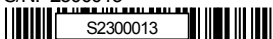
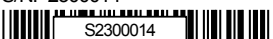
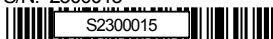
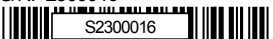
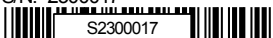
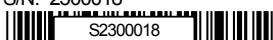
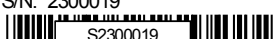
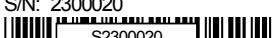
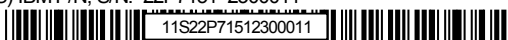
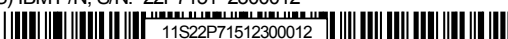
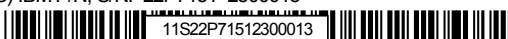
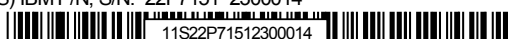
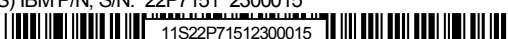
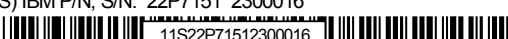
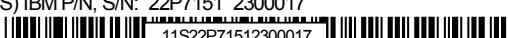
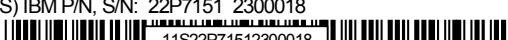


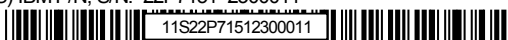
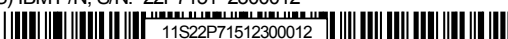
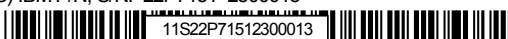
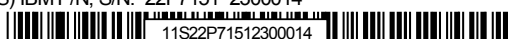
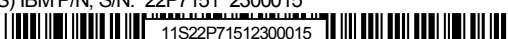
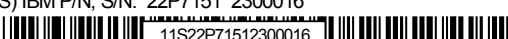
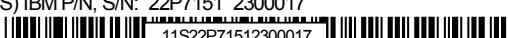
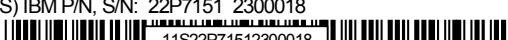


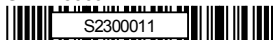
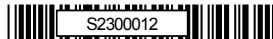
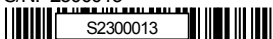
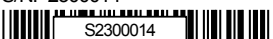
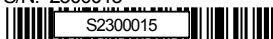
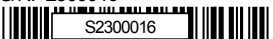
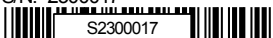
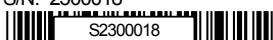
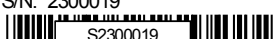
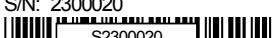
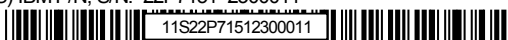
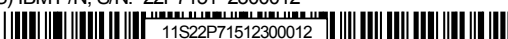
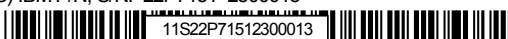
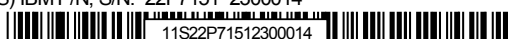
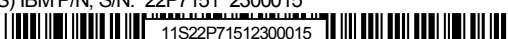
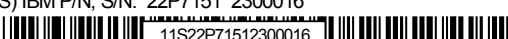
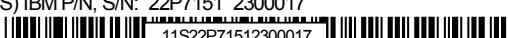
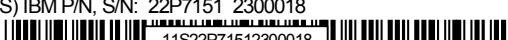



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(11S) IBM P/N, S/N: 22P7151 2300020																																										
This case contains merchandise from : Japan Cust. P.O.: DF789JK	Case Identification and Case Contents: 																																									

Figure 10 : Case Content Label with serialized bulk commodity items

Appendix C: PDF417 Symbol

To facilitate scanning of the whole content of a case or pallet in one single scanning operation, encode all of the data on a case content label in a PDF417 symbol. This 2D symbol is shown at the bottom of the case content label. It contains a concatenation of all the key data elements on the label. In compliance with ISO 15434, the structure of this 2d symbol would resemble:

Field	Contents *	Length (in bytes)	Data Identifier	Comments
Message header	[D]> ^R _S	4		“Compliance indicator”. It identifies the start of the message. The “message” is the data that exists between the Message Header and the Message Trailer.
Format indicator	06 ^G _S	3		The “06” indicates that data identifiers are used according to ISO 15434.
Data element 1	9S9881234567800 ^G _S	16	9S	Case Number
Data element 2	12D20010629 ^G _S	12	12D	Date of printing (YYYYMMDD format)
Data element 3	1K7HDMNY ^G _S	9	1K	IBM Order number for item 1
Data element 4	30P7015R00 ^G _S	10	30P	IBM Machine Type-model for item 1
Data element 5	S10ABCDF ^G _S	9	S	Serial number for item 1
Data element 6	4LUS ^G _S	5	4L	Country of origin for item 1
Data element 7	1K7HDMPB ^G _S	9	1K	IBM Order number for item 2
etc.
Message trailer	^E 0 _T	1		This signifies the end of the message.

* note:

^G_S is hexadecimal “1D” (decimal 29). This is a “group separator” and serves as a delimiter.

^R_S is hexadecimal “1E” (decimal 30). This is a “field separator” and serves as a delimiter.

^E0_T is hexadecimal “04” (decimal 4). This signifies the end of the message.

IBM Label Specification Packing Lists and Case Content Labels	Page 19 of 19	IBM Part Number: 31L5242 EC Level: H19709 Date: July 23, 2004
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D. Revision history

Date	EC Level	Changes
2000-6-4	F84029	<ol style="list-style-type: none"> 1. Created as a separate volume. Previously it existed as a separate chapter in the Global Labeling Implementation Guide volume 3, "Shipping Labels". 2. Added "Pallet Label". 3. Added "Box Contents Label".
2001-9-26	F84029E	<ol style="list-style-type: none"> 1. Added an appendix to show alternative formats. 2. Replaced the examples with more legible labels. 3. Added ASN ("Advanced Ship Notification") label. 4. Added Multipack and Bulk Commodity label for serialized product. 5. Added example of case of homogeneous non-serialized parts from suppliers to IBM. 6. Changed 2D reference in appendix A from ANSI MH10.8.3M to ISO 15434. 7. Changed text after label in section 3.1. 8. Section 3.2: Add required that dash be omitted from serial number. 9. Section 6.0: Specified that supplier codes are stored in the IBM TPP system. 10. Added section B.4: Case label for Ingram Micro.
2004-07-23	H19709	<ol style="list-style-type: none"> 1. Added Packing List to title and content of the document. 2. Added table of content 3. Moved revision history to Appendix D 4. Added definition section for packing lists and case content labels. 5. Added section with general packaging list and label layout. 6. Modified table of data elements and reduced optional elements. 7. Added section on placement of packing lists and case content labels. 8. Added rules for machine readable presentation on labels. 9. Added examples of packing lists in Appendix A. 10. Modified examples for case content labels. 11. Added requirement for 2d (PDF417) symbol. 12. Removed Advanced Ship Notification label. If used, this data element is supposed to be printed on the shipping label.

*** End of Document ***