Label Specification JIT Direct Shipment to Compas MB ExTra, LLC

06.13.2019

HISTORY OF CHANGES - SEE PAGE 2

History of Changes

Date	Change
06/13/2019	INITIAL CREATION

MB EXTRA Parts Identification Label

This application standard provides guidelines for the printing and placement of the Parts Identification Labels for JIT direct shipments to COMPLAS Plant In Aguascalientes Mexicowhere the procurement is done by MBExtra. These labels are designed to improve supplier and customer productivity by allowing effective and efficient warehouse input/ouput via scanning, capture of data for production counts, warehouse input/output, cycle checking, shipper generation, forwarding, freight transfer control, receiving and other inventory controls.

IT IS THE RESPONSIBILITY OF THE SUPPLIER TO PROVIDE BAR CODED LABELS THAT MEET THESE SPECIFICATIONS. STRICT ADHERENCE TO THESE SPECIFICATIONS FOR THE PARTS IDENTIFICATION LABELS WILL REDUCE IMPLEMENTATION COSTS AND INCREASE BENEFITS FOR BOTH THE SUPPLIER AND MB EXTRA.

MATERIAL MOVEMENT AT COMPAS IS MADE BY SCANNING THE BARCODE LABEL; THEREFORE, ALL BARCODES LABELS MUST BE SCANNABLE

In this document, the word "SHALL" indicates a requirement and the word "SHOULD" indicates a recommendation.

All Suppliers **SHALL** have their labels validated by MB EXTRA prior to implementation.

Label dimensions **SHALL** be in accordance with the dimensions shown between arrows in Exhibit 1. All other exhibits are for **illustrative purposes** only, and may not be to scale or bar code quality standards.

DEFINITIONS

AIM

The Automatic Identification Manufacturers Association. See http://www.aimglobal.org.

Alphanumeric

Character set that contains alphabetic characters (letters), numeric digits (numbers) and usually other characters such as punctuation marks.

ANSI

American National Standard Institute.

Autodiscrimination

The capability of a reader to automatically recognize and decode multiple bar code symbologies.

Bar Code Symbol

A array of rectangular bars and spaces which are arranged in a predetermined pattern following specific rules to represent elements of data that are referred to as characters - A linear bar code symbol typically contains a leading quiet zone, start character, data character(s), stop character, and a trailing quiet zone.

Carrier

In a transaction, the party that provides freight transportation services.

Character

In a bar code symbol, the smallest group of elements which represents one or more numbers, letters, punctuation marks, or other information.

Code 128

For the purposes of this guideline, Code 128 means the symbology as specified by AIM Uniform Symbology Specification ANSI/AIM BC4-1999, International Symbology Specification – Code 128. See AIM.

Common Item Pack

A pack that contains all like items, i.e., same part/item numbers.

Container

Receptacle or a flexible covering for shipment of goods such as a box, bag, package or pallet (see also modular pack and also unit load pack).

Container ID

Alphanumeric field used by the shipping company to identify the shipment.

Customer

In a transaction, the party that receives, buys, or consumes an item or service.

Customer Part Number

The part number as defined by the customer (MB EXTRA).

Data Identifier (DI)

A specified character string that defines the specific data that immediately follows as defined by ANS MH10.8.2, Data Identifier Guideline.

D-U-N-S®

Data Universal Number System, assigned by Dun & Bradstreet

EAN

International Article Numbering Association (formerly the European Article Numbering Association) - the international organization that administers the manufacturer and item numbering scheme most commonly used for retail bar coding internationally. (See also UCC)

Electronic Data Interchange (EDI)

For the purposes of this document, EDI shall mean the computer communication of data between trading partners.

Highlighting Line

Horizontal divider line(s) placed above and/or below building block or blocks -

Highlighting lines are easily distinguishable from the horizontal separator lines used to separate other building blocks. This visual difference may be the result of using a thicker line chosen by the labeler.

ID

Abbreviation for identification.

Item

Single part or material purchased, manufactured and/or distributed.

Label

A card, strip of paper, etc. marked and attached to an object to convey information.

Labeler

Term to identify the organization responsible for the labeling of a Unit Load/Transport Package (UL/TP).

Like Parts Pack

Pack which contains all like items, i.e., same part/item number.

Lines Per Block (LPB)

Unit of measure defining the height of text characters.

Manufacturer

Actual producer or fabricator of an item; not necessarily the supplier in a transaction.

Master Label

A label used to identify and summarize the contents of a multiple pack of common items (all the same part number).

Mixed Load Label

A label used to identify and summarize the contents of a multiple pack of mixed items (more than one part number).

Modular Pack

A unit, which provides protection and containment of items, handled by manual means. Examples of modular packs, which are normally disposable, include bags and cartons. Examples of modular packs, which are normally returnable, include molded or corrugated plastic totes and vacuum form trays.

Multiple Pack or Unit Load Pack

A pack containing smaller packages (modular packs) of items.

New Product Delivery Tags

Additional labels used to identify parts used by Pre-Production Shop (PPS), Engineering Design Liaison Group (EVS), or engineering change (PAF#).

Part Identification Label

A label used to identify the contents of a shipping pack (modular or unit load).

Production Trial Identification Label

Additional label used to identify engineering and production trial material.

Quantity

Indicates the number of parts, items or other units of measure in the container.

Q-Level

Quality Level. Assigned by the supplier, this number allows tracking of the quality impact to parts of activities that do not involve a change to the part, such as improvements to or cleaning of tooling.

Ship-From

On a transport label, the address of the location where the carrier will return the shipment if the container is undeliverable.

Ship-To

Address of the location where a carrier will deliver the freight.

Shipping Pack

A pack used for shipping items from one facility to another and can be any of the packs described in this document.

Standard Quantity Pack

A pack (modular or unit load) which contains the same quantity of like items.

Supplier

In a transaction, the party that produces, provides, or furnishes a product or service.

Supplier Code

The numeric or alphanumeric data used to identify the supplier.

Tag

Label (card) that is attached to a shipping container.

TPL

Trading Partner Label

Trading Partners

All members within the channels of distribution within an industry (carriers, customers, suppliers, and intermediaries)

Two Dimensional (2D) Symbols

Machine-readable symbols which must be examined both vertically and horizontally to read the entire message - Two-dimensional symbols may be one of two types of machine - readable symbols: matrix symbols and stacked symbols. Two-dimensional symbols have error detection and may include error correction features.

UCC

Uniform Code Council, the standards association of the U.S. retail industry - The UCC sets that standard for U.P.C., the Uniform Product Code used for point of sale scanning in retail. UCC in the U.S. works with EAN internationally (see also EAN).

UCC/EAN

See UCC and FAN.

Unique Container Identification

Supplier identification and a container serial number that, together, uniquely identify the container to trading partners (sometimes referred to as license plate).

Unit Load Pack

A unit, which provides protection and containment of items and multiple packs typically, handled by mechanical means. Examples of unit load packs, which are normally disposable, include cartons on pallets and pallet

boxes. Examples of unit load packs which are normally returnable include bins (with steel or plastic construction), racks (plain or w/special dunnage) and pallets with plastic totes or vacuum form trays.

VDA

Verband der deutschen Automobilindustrie. Definition of EDI messaging standards.

X Dimension

The intended width of the narrow elements required by the application, or symbology specification, or both.

ZGS

Drawing level, indicates changes to a part that should not affect interchangeability.

MB ExTra Documents

All existent forms (Proforma Invoice, Bill of Lading, Delivery Note) must be printed. Please notice that all label and forms **SHALL** be printed with sender information "on behalf of MB ExTra".

SIZE AND MATERIALS

The label size **SHALL** be 4.0 inches (10.2 cm) high by 6.5 inches (16.5 cm) wide.

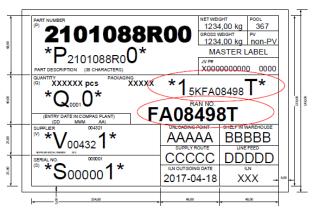
The label paper **SHALL** be white in color with black printing.

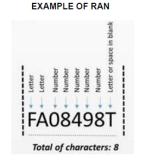
Adhesive types can be pressure sensitive or dry gummed as long as adherence to the package substrate is assured and application is wrinkle-free and edges are not rolled up.

Description of Master Label

The Master Label is used when there is a pallet load of containers **all containing the same part number.** The data mapping source explains where the data comes from in EDI.

Master-Label





ADDITIONAL SPECIFICATIONS

- 1.- ALL BAR CODES MUST HAVE THEIR CHARACTER CONTROL IN THE BEGINNING: PART NUMBER (P), RAN (15K), QUANTITY (Q), SUPPLIER (V) AND SERIAL (S).
- 2.- BAR CODES OF PART NUMBER, QUANTITY, SUPPLIER AND SERIAL MUST BE ALIGNED TO 1 cm OF THE LEFT EDGE AND TO 0,5 cm OF THE INFERIOR EDGES OF EACH LABEL SECTION.
- 3.- BAR CODE OF RAN MUST BE TO 1cm. OF RIGHT EDGE AND TO 0.15 cm. OF LABEL SUPERIOR EDGE.
- 4.- RIBBON FOR LABELS PRINT MUST BE COVERED OF WAX-RESIN.
- 5.- RAN MUST HAVE 8 DIGITS. LAST DIGIT INDICATES A-RAN, T-RAN ETC. IN NORMAL PROCESS LAST DIGIT IS BLANK.
- 6.- ENTRY DATE IN COMPAS PLANT FORMAT IS: DD (DAY) MMM (THREE FIRST LETTERS OF MONTH) AA (LAST DIGITS OF YEAR).
- 7.- LOCATIONS ARE CONTAINED IN RELEASE EDI 830, SEGMENT MAN AND ELEMENT MAN02:
 - * UNDLOADING POINT: FROM CHARACTER 1 TO 5.
 - * SHELF IN WAREHOUSE: FROM CHARACTER 6 TO 10.
 - * SUPPLY ROUTE: FROM CHARACTER 11 TO 15.
 - * LINE FEED: FROM CHARACTER 16 TO 20.
- 8. QUANTITY UNIT = PIECES/KG/LITER ETC.

BAR CODE

BAR CODE TYPE: 3 OF 9 (39) SIZES: HEIGHT: 1.35 cm LENTGH:

PART NUMBER = BETWEEN 7.7 & 8.7cm. QUANTITY = 4.7 cm. (Approx. 8 mm per character) RAN = BETWEEN 7.1 & 8.1 cm. SUPPLIER = BETWEEN 5.3 & 6 cm. SERIAL = BETWEEN 6 & 6.7 cm.

ALPHANUM OF BARS

PART NUMBER = ARIAL BLACK 50 (1.3 cm. APPROX. HEIGHT)
QUANTITY, PACKAGING = ARIAL 18
RAN = ARIAL 44

SUPPLIER, SERIAL = ARIAL 10

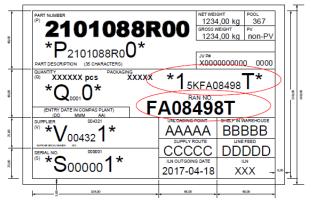
TITLES

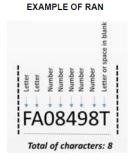
FONTS: ARIAL SIZES: NOTES = ARIAL 10 PART NUMBER QUANTITY (Q) SUPPLIER (V) SERIAL (S) PART DESCRIPTION (35 CHARS) ENTRY DATE IN COMPAS PLANT PACKAGING JV P# UNLOADING POINT SHELF IN WAREHOUSE SUPPLY ROUTE LINE FEED II N ILN OUTGOING DATE NET/GROSS WEIGHT POOL

COMMENTS

FONTS: ARIAL NOTES = ARIAL 32 UNDLOADING POINT SHELF IN WAREHOUSE SUPPLY ROUTE LINE FEED NOTES = ARIAL 24 ILN OUTGOING DATE NOTES = ARIAL 5 SUPPLIER NAME NOTES = ARIAL 18 MASTER LABEL JV P# NET/GROSS WEIGHT POOL PV

GLT-Label





ADDITIONAL SPECIFICATIONS

- 1.- ALL BAR CODES MUST HAVE THEIR CHARACTER CONTROL IN THE BEGINNING: PART NUMBER (P), RAN (15K), QUANTITY (Q), SUPPLIER (V) AND SERIAL (S).
- 2.- BAR CODES OF PART NUMBER, QUANTITY, SUPPLIER AND SERIAL MUST BE ALIGNED TO 1 cm OF THE LEFT EDGE AND TO 0,5 cm OF THE INFERIOR EDGES OF EACH LABEL SECTION.
- 3.- BAR CODE OF RAN MUST BE TO 1cm. OF RIGHT EDGE AND TO 0.15 cm. OF LABEL SUPERIOR EDGE
- 4.- RIBBON FOR LABELS PRINT MUST BE COVERED OF WAX-RESIN.
- 5.- RAN MUST HAVE 8 DIGITS. LAST DIGIT INDICATES A-RAN, T-RAN ETC. IN NORMAL PROCESS LAST DIGIT IS BLANK.
- $\rm 6.-ENTRY$ DATE IN COMPAS PLANT FORMAT IS : DD (DAY) MMM (THREE FIRST LETTERS OF MONTH) AA (LAST DIGITS OF YEAR).
- 7.- LOCATIONS ARE CONTAINED IN RELEASE EDI 830, SEGMENT MAN AND ELEMENT MAN02:
 - * UNDLOADING POINT: FROM CHARACTER 1 TO 5.
 - * SHELF IN WAREHOUSE: FROM CHARACTER 6 TO 10.
 - * SUPPLY ROUTE: FROM CHARACTER 11 TO 15.
 - * LINE FEED: FROM CHARACTER 16 TO 20.
- 8. QUANTITY UNIT = PIECES/KG/LITER ETC.

BAR CODE

BAR CODE TYPE: 3 OF 9 (39)
SIZES: HEIGHT: 1.35 cm
LENTGH:
PART NUMBER = BETWEEN 7.7 & 8.7cm.
QUANTITY = 4.7 cm. (Approx. 8 mm per ch

QUANTITY = 4.7 cm. (Approx. 8 mm per character)
RAN = BETWEEN 7.1 & 8.1 cm.
SUPPLIER = BETWEEN 5.3 & 6 cm.
SERIAL = BETWEEN 6 & 6.7 cm.

ALPHANUM. OF BARS

PART NUMBER = ARIAL BLACK 50 (1.3 cm. APPROX. HEIGHT)
QUANTITY, PACKAGING = ARIAL 18
RAN = ARIAL 44
SUPPLIER, SERIAL = ARIAL 10

TITLES

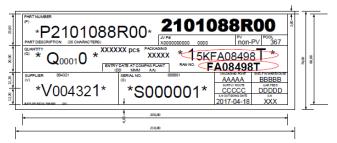
FONTS: ARIAL SIZES: NOTES = ARIAL 10 PART NUMBER QUANTITY (Q) SUPPLIER (V) SERIAL (S) PART DESCRIPTION (35 CHARS) ENTRY DATE IN COMPAS PLANT **PACKAGING** JV P# UNLOADING POINT SHELF IN WAREHOUSE SUPPLY ROUTE LINE FEED II N ILN OUTGOING DATE NET/GROSS WEIGHT POOL

COMMENTS

FONTS: ARIAL
NOTES = ARIAL 32
UNDLOADING POINT
SHELF IN WAREHOUSE
SUPPLY ROUTE
LINE FEED
NOTES = ARIAL 24
ILN OUTGOING DATE
ILN
NOTES = ARIAL 5
SUPPLIER NAME
NOTES = ARIAL 18
JV P#
NET/GROSS WEIGHT
POOL
PV

KLT-Label

EXAMPLE OF RAN





ADDITIONAL SPECIFICATIONS

1.- ALL BAR CODES MUST HAVE THEIR CHARACTER CONTROL IN THE BEGINNING: PART NUMBER (P), RAN (15K), QUANTITY (Q), SUPPLIER (V) AND SERIAL (S).

2. BAR CODES OF PART NUMBER, QUANTITY, SUPPLIER AND SERIAL MUST BE ALIGNED TO 1 cm. OF THE LEFT EDGE AND TO 0,5 cm OF THE INFERIOR EDGES OF EACH LABEL SECTION.

- 3.- BAR CODE OF RAN MUST BE TO 1cm. OF RIGHT EDGE AND TO 0.15 cm. OF LABEL SUPERIOR EDGE.
- 4.- RIBBON FOR LABELS PRINT MUST BE COVERED OF WAX-RESIN.
- 5.- RAN MUST HAVE 8 DIGITS. LAST DIGIT INDICATES A-RAN, T-RAN ETC. IN NORMAL PROCESS LAST DIGIT IS BLANK.
- 6.- ENTRY DATE IN COMPAS PLANT FORMAT IS: DD (DAY) MMM (THREE FIRST LETTERS OF MONTH) AA (LAST DIGITS OF YEAR).
- 7.- LOCATIONS ARE CONTAINED IN RELEASE EDI 830, SEGMENT MAN AND ELEMENT MAN02:
 - * UNDLOADING POINT: FROM CHARACTER 1 TO 5.
 - * SHELF IN WAREHOUSE: FROM CHARACTER 6 TO 10.
 - * SUPPLY ROUTE: FROM CHARACTER 11 TO 15.
 - * LINE FEED: FROM CHARACTER 16 TO 20.
- 8. QUANTITY UNIT = PIECES/KG/LITER ETC.

BAR CODE

BAR CODE TYPE: 3 OF 9 (39) SIZES: HEIGHT: 1.0 cm. ALL BARS,

LENTGH:

PART NUMBER = BETWEEN 7.7 & 8.7cm. QUANTITY = 4.7 cm. (Approx. 8 mm per character) RAN = BETWEEN 7.1 & 8.1 cm.

RAN = BETWEEN 7.1 & 8.1 cm. SUPPLIER = BETWEEN 5.3 & 6 cm. SERIAL = BETWEEN 6 & 6.7 cm.

ALPHANUM. OF BARS

PART NUMBER = ARIAL BLACK 36 (1.3 cm. APPROX. HEIGHT) QUANTITY, PACKAGING = ARIAL 14

RAN = ARIAL 24

SUPPLIER, SERIAL = ARIAL 8

TITLES

FONTS: ARIAL SIZES: NOTES = ARIAL 8 PART NUMBER QUANTITY (Q) SUPPLIER (V) SERIAL (S) PART DESCRIPTION (35 CHARS) ENTRY DATE IN COMPAS PLANT PACKAGING JV P#

PACKAGING
JV P#
PV
POOL
NOTES = ARIA

NOTES = ARIAL 6 UNLOADING POINT SHELF IN WAREHOUSE SUPPLY ROUTE LINE FEED ILN ILN ILN OUTGOING DATE

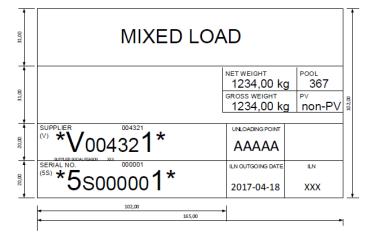
COMMENTS

FONTS: ARIAL
NOTES = ARIAL 14
UNDLOADING POINT
SHELF IN WAREHOUSE
SUPPLY ROUTE
LINE FEED
ILN OUTGOING DATE
ILN
PV
POOL

POOL NOTES = ARIAL 5

SUPPLIER NAME

Mixed-Label



ADDITIONAL SPECIFICATIONS

- 1.- ALL BAR CODES MUST HAVE THEIR CHARACTER CONTROL IN THE BEGINNING: SUPPLIER (V) AND SERIAL (5S).
- 2.- BAR CODES OF SUPPLIER AND SERIAL MUST BE ALIGNED TO 1 cm. OF THE LEFT EDGE AND TO $0.5\,$ cm OF THE INFERIOR EDGES OF EACH LABEL SECTION.
- 3.- RIBBON FOR LABELS PRINT MUST BE COVERED OF WAX-RESIN.
- 4.- LOCATIONS ARE CONTAINED IN RELEASE EDI 830, SEGMENT MAN AND ELEMENT MAN02:
 - * UNDLOADING POINT: FROM CHARACTER 1 TO 5.

BAR CODE

BAR CODE TYPE: 3 OF 9 (39) SIZES: HEIGHT: 1.1 cm. ALL BARS, LENTGH: SUPPLIER = BETWEEN 5.3 & 6 cm. SERIAL = BETWEEN 6 & 6.7 cm.

ALPHANUM. OF BARS SUPPLIER, SERIAL = ARIAL 10

TITLES

FONTS: ARIAL SIZES: NOTES = ARIAL 10 SUPPLIER (V) SERIAL (S) NET/GROSS WEIGHT POOL

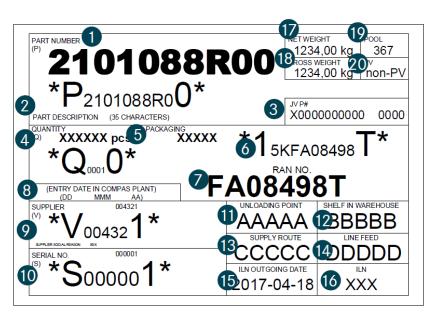
NOTES = ARIAL 30 MIXED LOAD NOTES=ARIAL 5 SUPPLIER NAME NOTES=ARIAL 8 UNLOADING POINT ILN OUTGOING DATE II N

COMMENTS

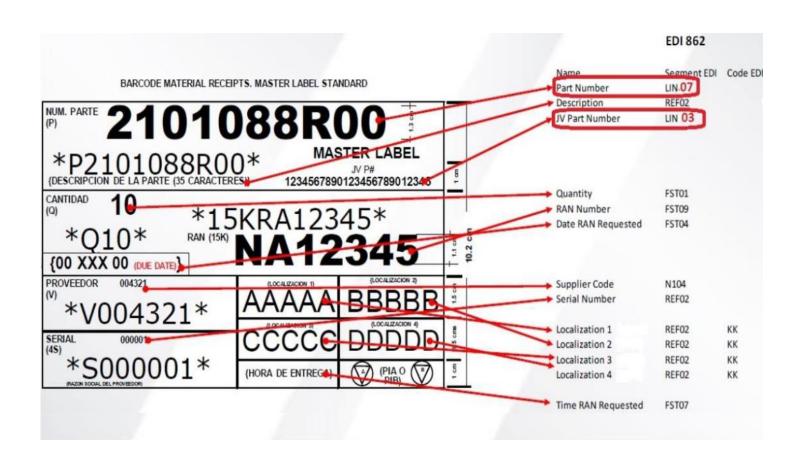
FONTS: ARIAL NOTES = ARIAL 24 UNDLOADING POINT NOTES = ARIAL 18 NET/GROSS WEIGHT POOL

NOTES = ARIAL 16
ILN OUTGOING DATE
II N

Data Mapping Source



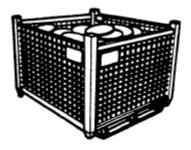
#	Name	Segment EDI
1	Part Number /COMPAS)	LIN03
2	Description	J2X
3	JV Part Number (DAIMLER)	LIN07
4	Quantity	FST01
5	Packaging	Daimler Systems
6	RAN Number COMPAS	15K+FST09
7	RAN Nummer DAI	FST09+YM
8	Entry Date	FST04
9	Supplier Code (always Daimler)	N104
10	Package Serial Number	Daimler Systems
11	Unloading Point	MAN02 (Pos. 1-5)
12	Shelf in Warehouse	MAN02 (Pos. 6-10)
13	Supply Route	MAN02 (Pos. 11-15)
14	Line Feed	MAN02 (Pos. 16-20)
15	ILN Outgoing Date (ILN = LSP)	Daimler Systems
16	ILN = LSP	Daimler Systems
17	Net Weight	Daimler Systems
18	Gross Weight	Daimler Systems
19	Pool	ILN Systems
20	PV	Daimler Systems



Label Locations on Various Shipping Packs

BASKET, WIRE MESH CONTAINER

Identical labels **SHALL** be located on two adjacent sides. Identical labels **SHALL** be located on all four sides in order to provide greater efficiency for Material Handlers.



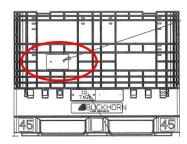
METAL BIN OR TUB

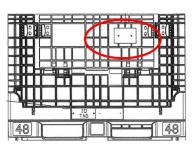
Tag one visible piece near top, or use a minimum of two label holders on adjacent sides. All four sides would profivid greater efficiency for Material Handlers.

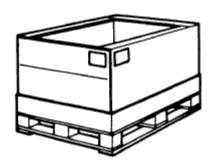


PALLET BOX

Identical labels **SHALL** be located on a minimum of two adjacent sides. On Placard if returnable and on visible portion of expendable box with and without lid. Identical labels **SHALL** be located on Placards all four sides in order to provide greater efficiency for Material Handlers.







Label Locations on Various Shipping Packs

TELESCOPIC OR SET-UP CONTAINERS

Identical labels **SHALL** be located on two adjacent sides of the outer box. On Placard Label if returnable and on visible portion of expendable box with and without lid. Some applications may also require identification of the inner box.

Returnable PLACARD LABEL PLACARD L

BUNDLE

Identical tags **SHALL** be located at each end.



Expendable

BAG

Place one label at the center of the face.

