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1.0 Introduction

1.1 Purpose: To clearly define packaging and labeling requirements to Bosch suppliers.

1.2 Scope: This standard applies to direct material items shipped to Bosch's North American facilities. It applies to all suppliers including other Bosch plants.

1.3 Partnership: Packaging development requires partnership. It can only function as intended when both supplier and customer work together from proposal through implementation. And then, it is absolutely crucial that both parties adhere to authorized packaging. The key is open, two-way communication.

1.4 Delivery Performance Rating: A supplier's conformance to this standard and adherence to authorized packaging is factored into the supplier's "Delivery Performance Rating."

2.0 Supplier Responsibility

2.1 General Statements:

2.1.1 The supplier is responsible for the packaging of direct materials to assure their proper condition and quality upon delivery to Bosch. **Parts must arrive at Bosch without damage, rust/corrosion, or contamination.** Packaging shall be defined and agreed upon prior to the first direct material shipment to Bosch.

2.1.2 **Although packaging authorization is required, such authorization does not relieve the supplier of their responsibility to ensure adequate packaging for proper delivery of parts to Bosch.**

2.1.3 Packaging shall not be a source of contamination. Barrier materials, (e.g. plastic bags), may be required. The supplier shall be responsible to wash returnable packaging when necessary.

2.1.4 Packaging is part of the supplier manufacturing process and shall be included as appropriate in the supplier's FMEA, Quality Plan, Source Release Plan, PPAP when these "tools" are used.

2.1.5 Standard Packaging - Each supplier shall utilize a single size container, package, and/or pallet containing a standard quantity for each part number supplied. This requirement shall be valid for expendable and returnable packaging.

2.1.6 The supplier is responsible for completing and submitting the Bosch Packaging Data Sheet to the appropriate Bosch packaging representative.

2.2 Submit Proposal: All packaging "modifications" or "new" proposals require authorization.

2.3 **Laboratory simulation testing** may be required and should be considered by the supplier to assure that the product and packaging will withstand "real-world" load conditions, handling, and any applicable transportation modes that may become necessary. If testing is required, contact your Bosch packaging representative.

2.4 A **sample shipment** may be required to test and prove that the packaging withstands delivery conditions and to allow Bosch to review the packaging. (See section 4.0)

2.5 **Returnable packaging** shall be used when it is cost effective or when it is needed to meet specific Bosch objectives. When returnable packaging is not justifiable or feasible, environmentally friendly materials (recyclable) shall be used. If returnable packaging is required, suppliers shall be responsible for storing returnable packaging at their site.
2.6 Bosch expects suppliers to proactively support and participate in actions to assure that the following conditions always exist when returnable packaging is utilized:

1. The supplier uses the shipping pack as authorized. This pack has been designed to meet the requirements set forth in this document.
2. Management of returnables and transportation logistics are performed in the most cost effective method compatible with delivery requirements.
3. An established minimum number of containers are available at the supplier’s location when they are needed.
4. The supplier shall have authorized back-up packaging available. The internal dimensions and quantity of parts in the back-up packaging shall be the same as the authorized returnable packaging. The external dimensions shall not exceed the dimensions of the returnable packaging. Whenever back-up packaging is used, Bosch shall be notified prior to shipping with an explanation.
5. Parts must arrive at Bosch without damage, rust/corrosion, or contamination.
6. Bosch owned packaging shall not be used for storage and shipment of non-Bosch owned parts.

In addition, suppliers are expected to notify Bosch immediately in the event that containers are returned to the supplier:

1. With supplied direct materials (parts) inside,
2. Not properly identified (e.g. incorrect address),
3. Without the full complement of returnable packaging components in the correct proportions (e.g. no lids, or more lids than totes),
4. With trash or other foreign materials inside,
5. Not properly prepared for safe transport (e.g. totes are banded or stretch wrapped to the pallet versus being stacked loosely),
6. At a lower return rate than full packs being shipped to Bosch.

### 3.0 Packaging Alternatives and Requirements

#### 3.1 Alternatives:

a. Returnables using AIAG bulk containers, pallets, and totes that cube-out on AIAG standard footprint sized pallets (45” x 48”, 30” x 36”, or 30” x 32”) *(Preferred Method)*

b. Expendable

c. Expendable/Returnable Combination

#### 3.2 Requirements: *(Exceptions are subject to specific approval by individual Bosch facilities. Unique requirements may exist and may be required by individual plants.)*

**3.2.1 Pallet-Load Dimensions:** *(Expendable or Returnable)*

<table>
<thead>
<tr>
<th>Face x Depth</th>
<th>Height, maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Footprint Size: 48” (1150mm) x 45” (1220mm) AIAG Standard</td>
<td>51” (1295mm)</td>
</tr>
<tr>
<td>32” (760mm) x 30” (820mm) AIAG Standard</td>
<td>40” (1016mm)</td>
</tr>
<tr>
<td>36” (914mm) x 30” (820mm) AIAG Standard</td>
<td>40” (1016mm)</td>
</tr>
<tr>
<td>1200mm x 1000mm European Standard</td>
<td>1000mm</td>
</tr>
<tr>
<td>1200mm x 800mm European Standard</td>
<td>1000mm</td>
</tr>
<tr>
<td>44” (1120mm) x 36”(915mm) Bosch European Standard</td>
<td>40” (1016mm)</td>
</tr>
</tbody>
</table>

+ Height Restriction: Includes pallet
+ No material shall extend over the pallet edge.

Note: European pallets or other pallet sizes require specific plant approval.
3.2.2 Strapping Options: (Bosch prefers polyester strapping material that is friction welded rather that secured with a metal clip)
+ Non-Metallic Strap (Do NOT use metal banding)
+ Stretch Wrap or Shrink Wrap
+ Tape
+ Special "Seat Belt" Pallets (must be approved)

3.2.3 Corner Boards:
As required to protect the pack. Fiberboard is preferred.

3.2.4 Corrugated Specifications:
Corrugated (paper fiber board) packaging material must have strength to adequately withstand transportation and handling rigors from the supplier’s shipping dock to Bosch’s receiving dock. Corrugated packaging shall be of adequate strength to support multiple stacking of unit pallet loads. Corrugated material must have adequate ECT or burst test strength to protect the product.
+ Corrugated packaging shall not utilize metal staples.
+ If stacking exceptions are required, label accordingly: “DO NOT STACK, STACK ONLY 2 HIGH,” etc.

3.2.5 Weight Limitation:
+ Max. Shipping Pack = 2,000 Lbs. (909 Kg) or as uniquely specified (may be plant specific)
+ Max. Sub Pack < 30 Lbs. (13.6 Kg)

3.2.6 Pallet Style/Type:
+ Wood
  - All wood pallets shall conform to the National Wood Pallet Container Association Voluntary Standard for Wood pallets (NWPCA).
  - Bosch prefers stringer, double deck, non reversible, wood pallets. Stringers for wooden pallets shall have a minimum height of 3½”.
+ All pallets shall be 4-way entry.
+ Pallets shall be capable of being conveyed on standard gravity or powered roller conveyor.

3.2.7 Imports into the U.S. utilizing wooden packaging shall be free of bark and pests and according to U.S. regulations. See Internet site for the most current regulations:

3.2.8 Smallest packaging unit(s) such as plastic bags may be considered to package parts inside totes, cartons, and/or bulk containers. However, when bags are used, they shall be marked with the Bosch part number, quantity, and lot number or as uniquely specified. This label also requires bar code 39 (unless otherwise specified by a particular Bosch facility).
4.0 Packaging Authorization

Packaging Authorization Flow Chart

1. Suppliers retrieve packaging requirement specifications from www.boschnasuppliers.com

2. Suppliers submit **Bosch Packaging Data Sheet**

3. Packaging proposal is evaluated

   - No: Trial requested by Bosch?
     - Yes: Supplier submits trial shipment
     - No: Supplier notified of packaging authorization

   - Yes: Accepted?
     - No: Supplier notified of packaging authorization
     - Yes: End
5.0 Labeling Requirements

5.1 Introduction

The quality of the information on labels is essential. Bar code labels are required and used to eliminate opportunity for error. Errors made because of label deficiency are serious in nature. (Bar code print quality must pass verification per ANSI guidelines.)

Suppliers shall not include information relating to quality on shipping identification labels. The supplier shall not apply adhesive-backed color tags to any of the required labels described herein.

Individual Bosch plants may deviate from the label requirements below. If a deviation is needed, the Bosch plant will communicate that to the supplier.

5.1.1 AIAG Compliance:
Labels are to adhere to the specifications as detailed and illustrated in the Automotive Industry Action Group's publication "Shipping/Parts Identification Label Standard" (AIAG-B-10) Version 3, June 2004.

For a copy or additional information contact the Automotive Industry Action Group at (248)-358-3003, 26200 Lahser Road, Suite 200, Southfield, Michigan 48034-7100, or their web site: http://www.aiag.org/

Excerpts of AIAG-B-10 are included herein. Areas of the label not specified in AIAG-B-10, left to Bosch’s option, are denoted by (*). In case of conflict, Bosch Supplier Labeling Requirements take precedence.

Odette (VDA) Compliance:
For Odette labels, see Section 5.6

5.1.2 General Label Specifications:

+ **Label Size (AIAG):**
  4.0 inches (102mm) high by 6.0 inches (152mm) or 6.5 inches (165mm) wide (refer to Exhibit 1).

+ **Label Quantity and Placement:**
  Minimum 2 labels per Shipping Pack on 2 different sides. (unless otherwise specified by a particular Bosch facility)

+ **Label Color:**
  White in color with black printing.

+ **Adhesives:**
  Adhesive types can be pressure sensitive or dry gummed as long as adherence to the package substrate is assured and application is wrinkle-free. Note: If labels are applied to returnable packaging, the adhesive must not leave a residue after the label is removed, and the label must be easily removed without tearing. Paper is not preferred on returnable packaging.

+ **Returnable Packaging:**
  Card holders are recommended to contain and protect labels in conjunction with returnable packaging. Adhesive-backed labels shall be applied directly to placards or to stretch/shrink wrap. DO NOT APPLY LABELS DIRECTLY TO THE RETURNABLE, unless the label stock is polyester material or equivalent AND the adhesive is classified as a "removable" type. The supplier is responsible for the removal of all old labels.

+ **Data Identifiers:**
  Use data identifier codes as defined by ANSI DI/Al standard MLH10.8.2 available from the American National Standard Institute (212)-642-4900 or their web site: http://www.ansi.org/.

+ **Human Readable Zeroes (θ):**
  Show human readable zeroes (θ) with a diagonal slash to differentiate them from alphabetic Os.
5.2 Shipping/Parts I.D. Label

5.2.1 Data Area and Titles (per AIAG B-10)

AIAG Standard Data: (Four data areas required by AIAG-B-10)

+ Part Number
+ Quantity
+ Supplier Number
+ Serial Number

AIAG Special Data Area:

Bosch requires suppliers to provide 6 additional data areas within the portion of the label designated by AIAG-B-10 as the “Special Data Area”. These fields are:

1. Description
2. Bosch's Purchase Order Number
3. Bosch's Revision Level Designator
4. Production Date - for materials which have a shelf life, provide both the production date and expiration date. Individual container/packages within a multi-pack carton shall also be labeled with the expiration date.
5. Lot Number
6. Supplier Name and Address

Exhibit 1 – Shipping/Parts I.D. Label Dimensions (not to scale)

Exhibit 2 – Sample Shipping/parts I.D. Label (not to scale)
Exhibit 3 – Label Data Table

The following table defines the 10 required data areas:

<table>
<thead>
<tr>
<th>DATA AREA NAME¹</th>
<th>DESCRIPTION</th>
<th>HUMAN READABLE CHARACTERS HEIGHT</th>
<th>BAR CODE HEIGHT</th>
<th>DATA IDENTIFIER</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part Number (Part No.)</td>
<td>Bosch Designated Part Number</td>
<td>.4-.5 in. (10-13mm)</td>
<td>.5 in. (13mm)</td>
<td>P</td>
<td></td>
</tr>
<tr>
<td>Quantity</td>
<td>Part Quantity</td>
<td>.5 in. (13mm)</td>
<td>.5 in. (13mm)</td>
<td>Q</td>
<td></td>
</tr>
<tr>
<td>* Lot No.</td>
<td>Supplier lot number. Supplier lot number is used for lot traceability, and should therefore be associated with supplier internal processes, the time period manufactured, and the supplier’s ability to do lot traceability with their own suppliers. Lot numbers can span multiple boxes and shipments, but shall never be reused!</td>
<td>.4-.5 in. (10-13mm)</td>
<td>.5 in. (13mm)</td>
<td>1T</td>
<td>US and recommended for foreign suppliers.</td>
</tr>
<tr>
<td>Supplier Code (Supplier)</td>
<td>Bosch Designated Supplier Code</td>
<td>.25 in. (6.5mm)</td>
<td>.4 in. (10mm)</td>
<td>V</td>
<td></td>
</tr>
<tr>
<td>Serial Number (Serial)</td>
<td>Unique sequence of characters designated by the supplier. This number will enable the supplier to trace part history by manufacturing lot.</td>
<td>.25 in. (6.5mm)</td>
<td>.4 in. (10mm)</td>
<td>S</td>
<td>Use data identifier 4S on Master Labels. 4S Use data identifier 5S on Mixed Load Labels.</td>
</tr>
<tr>
<td>* Description &amp; Supplier Part Number (Description)</td>
<td>Common name of item. Supplier part number is optional but must not be in bar code symbology.</td>
<td>.25-.5 in. (6.5-13mm)</td>
<td>N/A</td>
<td>N/A</td>
<td>Locate description above supplier part number.</td>
</tr>
<tr>
<td>* Bosch's Purchase Order Number (P.O. No.)</td>
<td>Bosch designated purchase order number</td>
<td>.19-.25 in. (4.8-6.5mm)</td>
<td>.4 in. (10mm)</td>
<td>K</td>
<td></td>
</tr>
<tr>
<td>* Bosch's Part Revision Level Designator (Eng. Level)</td>
<td>Bosch's part revision level designator as printed on Bosch's part print</td>
<td>.19-.25 in. (4.8-6.5mm)</td>
<td>.4 in (10mm)</td>
<td>2P</td>
<td></td>
</tr>
<tr>
<td>* Manufacturing and Expiration Date</td>
<td>Manufacturing date of parts in pack. Include Expiration date if item has a shelf life.</td>
<td>.2 in. (5mm)</td>
<td>N/A</td>
<td>D</td>
<td>MM-DD-YY Format (e.g. 09-30-04)</td>
</tr>
<tr>
<td>* Supplier Name</td>
<td>Supplier's name &amp; address</td>
<td>.125 in (3mm)</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

¹ Acceptable abbreviations are shown in column 1 within parenthesis.  
* Areas of the label not specified in AIAG-B-3, left to Bosch’s option
5.2.2 Master Labels

Master labels are required when shipping multiple packages of the same part number on one pallet. (e.g., several small cartons inside a larger pallet box)

Individual packs (sub-packs) shall have an AIAG label on each pack as per Exhibit 1.

A unique serial number must be placed on the master label. The data identifier 4S must be used on master labels.

When a master label is used, serial numbers on individual sub packs may be optional (obtain approval if serial numbers are not included on sub pack labels).

When a shipping pack requiring a master label is stretch or shrink wrapped, securely attach the master label to the outside of the wrap.

Exhibit 4 - "Sample" Master Label for Common Items Packs (not to scale)
5.3 **Mixed Load Label**

Mixed item packs are only permitted in conjunction with a mixed load label. The different part numbers within the mixed item pack must be separated and contained inside sub packs. Each sub pack must be individually labeled with at least one shipping/parts I.D. label or master label if applicable.

**Exhibit 5 – Label Data Table**

<table>
<thead>
<tr>
<th>DATA AREA NAME</th>
<th>DESCRIPTION</th>
<th>HUMAN READABLE CHARACTERS</th>
<th>BAR CODE HEIGHT</th>
<th>DATA IDENTIFIER</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supplier Code (Supplier)</td>
<td>Bosch Designated Supplier Code (6 or 8 digits)</td>
<td>.25 in. (6.5mm)</td>
<td>.4 in. (10mm)</td>
<td>V</td>
<td>Same as on Shipping/Parts I.D. Label</td>
</tr>
<tr>
<td>Serial Number (Serial)</td>
<td>Unique sequence of characters designated by the supplier.</td>
<td>.25 in. (6.5mm)</td>
<td>.4 in. (10mm)</td>
<td>5S</td>
<td>This number allows the supplier to track shipping pack history.</td>
</tr>
</tbody>
</table>

**Exhibit 6 - "Sample" Mixed Load Label for Mixed Item Packs** (not to scale)

5.4 **Label**

Shipping/Parts I.D. Label:  
A minimum of two shipping/parts identification labels shall be placed on each shipping pack on adjacent sides (wraparound label is acceptable). Some Bosch plants may require deviations of label quantity and location.

Master Label or Mixed Load Label:  
Where possible, the top of the label should be 20 inches (508mm) from the bottom of the container and centered left-to-right on the widest face of the pack.
5.5 Address Label

In addition to the AIAG shipping/parts I.D. label or master label, include 2 address labels on the outer shipping pack.

+ Place these labels near the parts I.D. label, where possible, on adjacent sides.
+ Include address and dock designation as per Bosch Purchasing documentation.
+ Include the invoice number in human readable and in bar code format. Bosch requires invoice numbers to be 10 or fewer characters in length.

Exhibit 7 - Label Data Table (not to scale)

<table>
<thead>
<tr>
<th>DATA AREA NAME</th>
<th>DESCRIPTION</th>
<th>HUMAN READABLE CHARACTER HEIGHT</th>
<th>BAR CODE HEIGHT</th>
<th>DATA IDENTIFIER</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Company, Street, City, State, Zip Code</td>
<td>.5 in. (Typ) (13mm)</td>
<td>N/A</td>
<td>N/A</td>
<td>As specified in Purchase Order</td>
</tr>
<tr>
<td>Dock and/or Bldg. No.*</td>
<td>Specifies dock at multi-dock facility</td>
<td>.313 in (Typ) (7.9mm)</td>
<td>N/A</td>
<td>N/A</td>
<td>As specified by Bosch</td>
</tr>
<tr>
<td>SID No. (US) Or Lieferschein No. (Europe)</td>
<td>Shipping Identification Number</td>
<td>.5 in. (Typ) (13mm)</td>
<td>.5 in. (Typ) (13mm)</td>
<td>2S</td>
<td>The SID Number may be or is the Invoice Number.</td>
</tr>
</tbody>
</table>

Exhibit 8- Sample Address Label (not to scale)

* Dock Location/Bldg. No and shipping address as specified in the Purchase Order.
Refer to Bosch EDI documentation for information about ASNs.
5.6 **Odette, Euro-Supplier Labeling Option**

Bosch-AN recognizes the European automotive industry approved Odette transport label for the identification of packaging and container contents for suppliers located in Europe. (However, Bosch-AN strongly urges the use of the AIAG-B-10 standard label.)

The label is 'A5' size, and has standard printing with the addition of bar coding. It may be self adhesive for expendable packaging, a tie on label for durable packaging, or can be held in integral document holders on the container, if provided. Bosch-AN will accept the Odette label format with bar coding provided that it conforms to the Odette standard and satisfies informational requirements in this specification.

Include Delivery Note Number on Odette labels.

The full specification of the label is obtainable from the Odette organization through the national offices of the SMMT (UK) and the VDA (Germany) representing ODETTE.

**Exhibit 9 – Foreign (Odette) Label Sample** (not to scale)
6.0
Contacts

Contacts/Responsibility: Can be obtained through Bosch Purchasing at individual Bosch plants.

7.0
Terms & Definitions

Address Label
Label to denote shipping address. (See section 5.5)

Data Identifier
The first character(s) of a bar code.

Direct Material
Material that becomes part of the finished product during manufacturing processes at Bosch. (See section 1.2)

Master Label
A label used to identify and summarize the contents of a multiple pack of same part number. (See section 5.2.2)

Mixed Item Pack
A pack containing items with different part numbers from the same supplier. (See section 5.3)

Pack or Package
A device which provides component protection, containment, ease of use, and information.

Shipping Pack or Pallet Load
A package used for shipping items from the supplier’s facility to a Bosch facility. It’s description includes all the packaging materials that are used. It may be returnable or expendable.

Shipping/Parts Identification Label (AIAG or Odette Label)
A bar coded label used to identify the contents of a shipping pack and sub pack.

Sub Pack
The lowest level of packaging that contains the part, e.g. plastic bag, carton, tote, et al.

Wraparound Label
Consists of continuous label stock on which two labels are printed side by side designed to attach to adjacent sides of a carton or pallet box.
### Bosch Packaging Data Sheet

#### Bosch Packaging Data Sheet

<table>
<thead>
<tr>
<th>BOSCH PART NO.:</th>
<th>PART NAME:</th>
<th>PRODUCT DESCRIPTION:</th>
<th>DATE:</th>
<th>COMPANY NAME:</th>
<th>ADDRESS:</th>
<th>BOSCH SUPPLIER NO.:</th>
</tr>
</thead>
</table>

#### SUPPLIER'S PACKAGING CONTACT:

<table>
<thead>
<tr>
<th>EMAIL:</th>
<th>PHONE:</th>
<th>FAX:</th>
</tr>
</thead>
</table>

### Specific-Special Packaging/Labeling Requirements:

- Corrugated packaging shall be of adequate strength to support multiple stacking of unit pallet loads

### Packaging Proposal:

<table>
<thead>
<tr>
<th>NEW:</th>
<th>NO:</th>
<th>IF NO, REVISION #:</th>
<th>PLASTIC BAGS</th>
<th>CORROSION PROTECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
<td>YES</td>
</tr>
</tbody>
</table>

#### USARTS PACK: Ret Exp | IF YES, WHAT TYPE OF PROTECTION IS USED. |

#### SUB-PACK: Ret Exp | IF YES, QUANTITY PER BAG? |

#### CIRCLE PART: |

### Packaging Description

<table>
<thead>
<tr>
<th>Package Description</th>
<th>Supplier Checklist:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Fiberboard compression strength (ECT, Mullen, or VDW):</td>
<td>1. This packaging/labeling data form shall be filled out completely:</td>
</tr>
<tr>
<td>2.</td>
<td>2. All data shall conform to the Bosch Supplier Packaging/Labeling Standards.</td>
</tr>
<tr>
<td>3.</td>
<td>3. Submit this form via email. Do not fax.</td>
</tr>
<tr>
<td>4.</td>
<td>4. Mail actual shipping label samples.</td>
</tr>
<tr>
<td>5.</td>
<td>5. Supplier shall be responsible for cleanliness of returnable packaging</td>
</tr>
<tr>
<td>6.</td>
<td>5.1 Wash plan shall be available to Bosch upon request.</td>
</tr>
</tbody>
</table>

#### Supplier Signature: | DATE: |

### Notes:

- Individual Bosch plants may use small variations of this form.
Bosch Packaging Data Sheet Instructions

Print the following instructions prior to completing the Bosch Packaging Data Sheet. These instructions will assist you in properly filling in a Packaging Data Sheet (PDS). The tab is on the bottom of this Excel spreadsheet. If the PDS is improperly filled in, it will be returned to the supplier for corrections. If the PDS is not returned or an extension is requested by the due date, BOSCH Purchasing will be notified. If the PDS is sent more than 2 times, BOSCH Purchasing will be notified. If the supplier provides more than one part to Bosch, a separate PDS must be submitted for each part number. A tab for each part number on the same PDS is not acceptable. Do not combine multiple sheets into one PDS.

<table>
<thead>
<tr>
<th>Bosch Part Number</th>
<th>The 10 or 13 digit number assigned by BOSCH.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part Name</td>
<td>The whole and proper assigned name of the part.</td>
</tr>
<tr>
<td>Product Description</td>
<td>A brief description of the part.</td>
</tr>
<tr>
<td>Date</td>
<td>The date the form was completed and e-mailed to BOSCH by you, the supplier.</td>
</tr>
<tr>
<td>Company Name</td>
<td>The complete name of the supplier.</td>
</tr>
<tr>
<td>Address</td>
<td>The full address of the supplier.</td>
</tr>
<tr>
<td>Bosch Supplier Number</td>
<td>The vendor number assigned by BOSCH Purchasing.</td>
</tr>
<tr>
<td>Supplier's Packaging Contact</td>
<td>The person employed by the supplier that is responsible for overseeing the packaging requirements of the product supplied to BOSCH. This is the person that will be contacted with packaging questions.</td>
</tr>
<tr>
<td>E-mail</td>
<td>The supplier contact e-mail address.</td>
</tr>
<tr>
<td>Phone</td>
<td>The direct phone number of the supplier packaging contact.</td>
</tr>
<tr>
<td>Fax</td>
<td>The fax number of the supplier packaging contact.</td>
</tr>
</tbody>
</table>

**DIGITAL DRAWING OR DIGITAL PHOTOS**

- **Part(s) as packaged in sub pack or internal fixture**: A digital picture or a CAD drawing of the individual package. The picture should show the parts packaged inside the box / tote / tray. The picture should be taken from the top looking down showing the product inside the package. A written description will not be accepted.
- **Shipping Pack**: A digital picture of a CAD drawing of the final shipping pack. This picture will show either the palletized containers ready to be shipped or the box the product will be received in as received by BOSCH. A written description will not be accepted.

**Packaging Proposal**

- If you currently ship this part to Bosch, check NO and type in your packaging revision number. If the packaging is a new design check YES.

**Returnable or Expendable Packaging?**

- If the packaging is returnable, check the box adjacent to Returnable. If the packaging is expendable, check the box adjacent to Expendable. Ensure both sub pack and shipping boxes are checked.

**Shipping Pack**

- The fully loaded pallet dimensions, or the shipping box dimensions. This will be the photo for 'Shipping Pack.'

**Sub-Pack**

- Dimensions of the packed box / tote / tray. This will be the photo for 'Sub-Pack.'

**Single Part**

- Dimensions of the individual part.

**Plastic Bag Used?**

- Check YES if a plastic bag is used. Check NO when a plastic bag is used.

**Quantity Per Bag?**

- Enter the quantity of parts placed in the bag. Include the dimensions of the bag.

**Corrosion Protection?**

- Check YES if corrosion protection is required. Check NO if corrosion protection is not required. Enter your proposed method of corrosion protection and name of the RE.

**PACKAGING DESCRIPTION**

- These are the ECT or Mullen test numbers. These numbers can be obtained from the box supplier or the Box maker's seal on the bottom of the corrugated box. (European suppliers will use VDV.)

**Stackup height of shipping pack (static)**

- Enter the height of how many shipping packs Bosch can stack in their warehouse.

**Spaces 3-6**

- Any packaging information that may aid in the approval of the form.

**CHECKLIST**

- Fill in form completely. Leave no areas blank. This PDS will be returned for any missing data.
- Adhere to the Bosch Packaging Labeling Standards
- E-mail this form. Do not fax this form. E-mail is the only acceptable means of communicating this from to Bosch.
- Label sample attached?
- Clearliness of returnables
- Bosch assistance
- Supplier Signature and Date

All suppliers must be in compliance with these standards.