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Changes

- [06] Additional information on downloading templates in chap. 5 "APPENDICES"
- [06] Template PSDS: Customizations in formatting

Previous Editions

- [05] e-sgin-no 12371174 - 15.03.2021, new template version **vs 4.05**
- [05] **Validity:** Continental Automotive Technologies and usage for deliveries from Supplier to CA plants and for Intercompany Business
- [05] **New sheets at the PSDS file:** (1) Intro, (2) History, (3) Additional new template for part-no with same packaging concepts (based on agreed PSDS template)
- [05] **New at the PSDS template:** (1) Select field: Kind of Delivery; (2) Supplier Information: Unloading point of empties, if other than pick up location; (3) First release date / Revision date/ Revision - number; (4) Techn. details: 4.5 Quantity of primary layers per LU and 4.6 Quantity of primary packaging per LU; (5) Field for automatic calculation of "EX tare weight / LU"; (6) Select field and confirmation to accept/apply the "TST N098 00.01 000 Packaging Requirement" (chap. "Packaging Materials and Environmental Requirements"); (7) Note for ESD Packaging concepts of "Triboelectric series for packaging materials and components"
- [05] **Supplements at the PSDS template:** (1) 4.10 Selection fields for "Stackability of LU"; (2) Single fields at "Bill of material" for Description / Kind of packaging material / selection of "RE - EX" (returnable or expendable packaging materials) / 98.- part number (CA packaging material number)
- [04] ZPA-17140005 - 16.10.2017; template version vs.4.04
- [03] ZPA-16141423 - 12.01.2017; "Packaging Specification Data Sheet" ; last published version 4.03
- [02] 12.12.2016; "Packaging Specification Data Sheet" ; not signed/ no published version 4.02
- [01] ZPA-15140372 - 25.09.2015; "Packaging Specification Data Sheet" ; last published version 4.01
- [00] FRB-14133328 - 09.10.2014; "Packaging Specification Data Sheet" ; last published version 4.00
- [00] Replaced the previously version of the "Packaging Specification Data Sheet" - Appendix A01 ; last published version 3.02

1 SCOPE

The Supplier is responsible for the quality and delivery of the products and therefore also for compliance with the packaging requirements according to TST N098 00.01 000 "Packaging - Definition, Process, Requirements". In order to ensure safe handling (in accordance to accident prevention and other regulations) and smooth operations, it is essential for all goods to be delivered in accordance to these requirements.

It is the responsibility of the Supplier to provide individual and/or collective packaging for the goods. The packaging provided by the Supplier shall ensure that the goods reach their destination in sufficient condition.

Among other things, the packaging shall protect the goods from damage (loads in transit) and from deterioration caused by environmental effects.
The packaging shall also protect personnel against hazards resulting from the goods themselves (e.g. regulations concerning the handling of hazardous goods).

The offer of the Supplier shall consider the packaging concept described within this "Packaging Specification Data Sheet" (**selected Status: SCM SCR**) during the Supplier Component Review (SCM SCR). The Packaging Specification Data Sheet (**PSDS**) in the phase of SCM SCR should be adjusted, agreed and signed by Supplier and Customer SCM (incl. Packaging specialist).

The final packaging concept of the "Packaging Specification Data Sheet" (**selected Status: PPAP**) shall be released and agreed during the Production Part Approval Process (PPAP).
The PSDS has to be signed by all concerned departments at Supplier and CA (SCM, Production Planning, Warehouse, Label Coordinator, Packaging Engineer / Industrial Engineer and SQM / Plant Production Quality).

The PSDS is part of the contract (GSCC) with the Supplier. The PSDS has to be filled out for **each** product (for Mechanics and Electro Mechanics) and for the serial **and** substitute packaging concept.
The necessity of the PSDS for Electronic parts or Electronic part groups should be clarified bilaterally between Supplier and receiving Customer plant (depart. SCM).
In case of a defined returnable packaging concept, the "Packaging Loop template" has to be filled out for each part-no., too.

Deviations of the final agreed packaging concept are not allowed without prior written announcement and approval from receiving Plant SCM/ Packaging Engineering.
Packaging that proves unacceptable for whatever reason (quality, transport, production process, safety, etc.) must be changed upon request from Packaging Engineering.

Remember, the responsibility for ensuring component quality - from Supplier plant to the point of use - remains with the Supplier of the part/product.

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2 PACKAGING ACTIVITIES AND RESPONSIBILITIES

The Request for Quotation (RFQ), the SCM Supplier Component Review (SCM SCR) as part of the Sourcing Process and the Production Part Approval Process (PPAP) are phases within the whole process of the Product Life Cycle (PLC), which is divided into separate phases and gates.

In the following sections will be defined the packaging-relevant main activities and responsibilities at the phases/gates of RFQ, SCM SCR and PPAP for the Suppliers and the Packaging Engineer and other concerned departments at the Continental Automotive (CA) receiving plant.

2.1 Request for Quotation (RFQ)

Standard packaging information and requirements shall be provided and if possible the Packaging Engineer of CA receiving plant has to pre-fill the Packaging Specification Data Sheet (PSDS) for serial and substitute packaging concepts incl. definition of label type.

AP prepare and send out RFQ to Supplier incl. standard packaging information and basic precondition requirements of e.g. quality and protection measures, packaging standards, handling, labelling: PSDS and the "Packaging Loop" template.

2.2 SCM SCR Process

The Supplier should submit a revised packaging proposal considering the precondition quality and packaging requirements of CA (within the PSDS) and shall agree with CA upon packaging. In each case where a returnable packaging concept will be agreed, a substitute packaging concept has to be submitted and agreed, too. In case of choosing returnable packaging concept, the "Packaging Loop" template shall be **prepared before** SCM SCR Meeting bilaterally.

The PSDS and the "Packaging Loop" template should be completed and open points clarified (before SCM SCR Meeting) with Supplier, Sourcing Team (incl. CA Plant SCM and Packaging Engineer) and New Product Launch Team. If necessary, SQM CI will answer packaging issues related to quality, corrosion and cleanliness requirements.

The packaging concept (serial and substitute packaging) within the PSDS and the definition of needed quantity of returnable packaging within the "Packaging Loop" template should be **signed at** the SCM SCR Meeting.

2.3 Production Part Approval Process (PPAP)

If the "Product Validation" has been passed successfully, the last step for the finalization of the PSDS will be started through PPAP.

The final packaging concept within the PSDS, incl. definition of type of label, shall be adjusted and released with all other concerned departments at Supplier and CA departments of SQM/Plant Quality, Production Planning, Warehouse, Label Coordinator, Packaging/IE and Plant SCM. They all have to be checked whether their special requirements are considered. They all have to agree and sign the PSDS.

According to the final PSDS, the "Packaging Loop" template has to be reviewed, agreed and signed by Supplier and Continental Automotive (Plant SCM/ Packaging Engineer), too.

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3 REFERENCES

- TST N 098 00.01 000 Packaging Requirements
- TST N 098 00.03 000 Requirements on marking of goods
- Packaging Loop Definition Template to define returnable packaging quantity in the loop
- TST N 098 00.04 000 CA Packaging Standard Catalog

- GSCC Global Supply Chain Concept

All CA documents, TSTs and Appendix are downloadable at the CA Homepage "*Supply Chain Standards & Manuals @ Continental Automotive*" :
<https://www.continental-automotive.com/en-gl/Passenger-Cars/Company/Supplier-Logistics>



- ISO 16232 Cleanliness of components
- VDA 19 Inspection of Technical Cleanliness - Particulate contamination of functionally relevant automotive components

4 ABBREVIATIONS

AP	Advanced Purchasing
CA	Continental Automotive
GSCC	Global Supply Chain Concept
RFQ	Request for Quotation
PPAP	Production Part Approval Process
PSDS	Packaging Specification Data Sheet
SCM	Supply Chain Management
SCR	Supplier Component Review
SQM	Supplier Quality Management
SQM CI	Supplier Quality Management for Component Introduction
TST N..	Technical Standard Norm of Continental Automotive

5 APPENDICES

[06]

Templates	File download
<p align="center">Pack Specification Data Sheet - PSDS</p> <p>Intro: General field description and explanations for PSDS History: Information about news, supplements at the PSDS Template: PSDS Template: PSDS - List for same parts</p> <p>Example : PSDS - Status PPAP Example: PSDS - List for same parts</p>	<p align="center"> -> open:</p>
<p align="center">Packaging Loop Definition</p>	<p align="center"> -> open:</p>

Before you open the attachments, make sure you have already saved this TST file on your computer! Opening via web browser can cause problems.

Open file on your computer with left mouse double click or download file with right mouse click only at the red "clip symbol".

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