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|  | <b>CVS83</b> |  |
| Release date<br>2025-05                                                           |              | Info class<br>Public                                                                |

# Requirements for Reporting Material Data Sheets (MDS) in the International Material Data System (IMDS)

## Foreword

This Commercial Vehicle Standard (CVS) contains fully harmonised requirement specifications of the brands (legal entities) MAN Truck & Bus SE (hereafter MAN) and Scania CV AB (hereafter Scania), which are congruent to fulfil technical requirements of both brands. Any review of this standard shall only be done in agreement with both brands.

In this CVS, all non-company standards are referred as international standards (e.g.: ISO, EN). These international standards are available as national edition at the respective national standardisation organisation (e.g.: DIN ISO, SS-ISO, DIN EN, SS-EN).

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|                                                                                                                  |                                                                             |                                                                                                                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Technical responsibility:</b><br><br>Product Compliance & Homologation, TGRMH<br>Material Compliance, TGRMHPM | <b>Standardisation organisation:</b><br><br>TRATON Standardization, TGRMHPS | Continuation page 1 to 11                                                                                                                                                                                                               |
|                                                                                                                  |                                                                             | <b>Replacement for:</b><br>STD4352/M 3212                                                                                                                                                                                               |
|                                                                                                                  |                                                                             | <b>Distribution:</b><br>This Commercial Vehicle Standard is distributed at all involved brands of TRATON Group internally and also externally to relevant suppliers via supplier portals of the involved brands and also IMDS homepage. |

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## Introduction

The standard describes the requirements on reporting Material Data Sheet for MAN and Scania's parts in the International Material Data System (IMDS).

MAN and Scania use IMDS data to prove compliance with material-related legislation worldwide, e.g., substance restrictions, substance information duties, and proactive substitution of substances of very high concern (SVHC).

## 1 Scope

The standard covers product-related parts with a MAN or Scania part number that are present in the final product at the point of sale. This includes, but is not limited to parts used for the fabrication of other parts, or complete vehicles and parts used in aftersales. Product-related parts are physical part, usually solid articles but may also be liquids like lubricant-oil or grease.

This standard does not cover non-physical parts and non-product-related parts, i.e. parts used in manufacturing processes but which do not remain in the product at the point of sale. Production process chemicals, tooling, machinery, transport containers and temporary protection of supplied parts are examples for non-product related parts.

This standard is a replacement for STD4352 (Scania) and M 3212 (MAN), but does not replace other information duties specified in other standards/legislations.

## 2 Terms, definitions and abbreviations

|                         |                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Article</b>          | According to the EU REACH regulation (EC 1907/2006), an article is an object which during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition                                                                                                                                     |
| <b>ECO</b>              | Engineering Change Order                                                                                                                                                                                                                                                                                                                                                  |
| <b>D-U-N-S ®</b>        | Data Universal Numbering System. The use of D-U-N-S numbers for worldwide supplier identification is recommended by the German Association of the Automotive Industry. Further information can be found at <a href="https://www.dnb.com/de-de/upik-en.html">https://www.dnb.com/de-de/upik-en.html</a> .                                                                  |
| <b>GADSL</b>            | Global Automotive Declarable Substance List. GADSL contains prohibited and declarable substances in components and materials for the automotive industry. The list is published on <a href="http://www.gadsl.org">http://www.gadsl.org</a>                                                                                                                                |
| <b>IMDS</b>             | International Material Data System. IMDS is an internet-based database for exchange of material data between suppliers and OEMs in the automotive industry for proof of the legal compliance of the substances used. <a href="https://www.mdsystem.com/">https://www.mdsystem.com/</a>                                                                                    |
| <b>Joker (Wildcard)</b> | Introduced so that companies do not have to specify all substances or recipes down to the last percentage point. It is necessary to note that declarable or prohibited substances shall not be contained in these "jokers" or substances marked as confidential.                                                                                                          |
| <b>MDS</b>              | Material Data Sheet. MDS in the IMDS is used as proof of the chemical composition of a component, semi-finished product, material or pure substance. An MDS can consist of a large number of semi-components, is created along the supply chain and ends at the automotive manufacturer. Every person who edits an MDS is responsible for the correctness of the entries. |
| <b>Mixtures</b>         | A mixture is a mix or solution of two or more substances. Under the EU chemicals legislation, mixtures are not considered substances.                                                                                                                                                                                                                                     |
| <b>PPAP</b>             | Production Part Approval Process. The process to demonstrate engineering design and product specifications are met by the supplier's manufacturing process. The PPAP is handled via ePPAP module in the eQ2 system.                                                                                                                                                       |

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Substance</b>                      | A chemical element and its compounds in the natural state or obtained by any manufacturing process, including any additive necessary to preserve its stability and any impurity deriving from the process used, but excluding any solvent which may be separated without affecting the stability of the substance or changing its composition.                                                                                                                                                                                                                                                                                                |
| <b>SVHC</b>                           | Substances of Very High Concern. SVHCs are substances and chemical compounds that have been identified in accordance with the EU REACH regulation (EC 1907/2006) as substances that have serious effects on health or the environment. Listing of a substance in the candidate list by the European Chemicals Agency (ECHA) is the first step for approval and restriction of chemicals. Special notification requirements apply in the supply chain for identified SVHCs. The list is published on the ECHA website, <a href="http://echa.europa.eu/web/guest/candidate-list-table">http://echa.europa.eu/web/guest/candidate-list-table</a> |
| <b>Vehicle category M<sub>1</sub></b> | According to Regulation (EU) 2018/858, category M <sub>1</sub> consists of motor vehicles with not more than eight seating positions in addition to the driver's seating position and without space for standing passengers, regardless of whether the number of seating positions is restricted to the driver's seating position;                                                                                                                                                                                                                                                                                                            |
| <b>Vehicle category N<sub>1</sub></b> | According to Regulation (EU) 2018/858, category N <sub>1</sub> consists of motor vehicles with a maximum mass not exceeding 3,5 tonnes;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

### 3 General IMDS Reporting and Change Management

The IMDS recommendations 001 and 001a as well as all further relevant IMDS recommendations apply and shall be followed. Deviations from those general IMDS rules and guidelines as well as additional provisions are defined within this standard.

All MDS received and internally-released by MAN and Scania shall comply with MAN and Scania requirements on prohibited and restricted substances in products defined by standard CVS55.

The supplier shall register in IMDS and request MDS reports from its sub-suppliers. The supplier is responsible for ensuring that the requirements defined in this standard are cascaded to their respective Suppliers (tier 2 – n). A registration in IMDS can be done at the company registration page on IMDS homepage ([here](#)).

#### 3.1 Submission of MDS

MDS of parts sourced with the Production Parts Approval Process (PPAP) shall be submitted to the applicable brand (MAN or Scania or both) according to the requirements stated in CVS10 – TRATON Customer Requirements.

Suppliers of parts sourced via other process shall submit an MDS before part delivery and shall follow applicable standards/process.

The MDS received from suppliers pass through numerous automated checks in a downstream in-house system and are also evaluated manually. If an MDS is rejected, the supplier shall correct and resend the MDS as well as other information as requested in the rejection motivation text within the agreed time period with the brand's part Supplier Quality Manager.

It is required to create and submit one MDS for each MAN and Scania part number.

For parts delivered to MAN and Scania, the same MDS shall be sent to both brands by adding both brands as recipient. However, for each submission, the respective Scania and MAN specific part number and other recipient data requirements shall be followed.

MDS reflecting the serial order parts' structure and composition shall be submitted. It is not allowed to use preliminary MDS in the PPAP. Preliminary data sheets are generally rejected.

### 3.2 Time of MDS delivery

Preparation of IMDS should start with B-release (for MAN) /PRY-3 (for Scania) of a part and MDS should be submitted as soon as possible after the placement of serial order. MDS accepted individually by each relevant brand shall be available before the given MDS submission deadline in PPAP. Since MDS review and revision can take days to weeks, it is required that suppliers plan the IMDS submission accordingly.

If a part is sourced outside the PPAP process, the MDS shall be submitted as soon as possible after receiving the part order and before start of delivery of the part to the brand.

### 3.3 MDS Maintenance

The supplier is responsible to ensure that the submitted data fulfils the latest IMDS recommendations and actively maintain the data. The brands can request a new version of the MDS and/or additional information during the complete life cycle of the parts to ensure quality and compliance.

Changes to the delivered parts require the supplier's submission of a new version of the MDS proactively without being requested by the brand. Among other things, such changes relate to:

- Replacement of materials or incorporation of additional materials
- Change in the composition of a materials (e.g. substitution of pure substances)
- Changes of weight or dimensions
- Replacement of sub-suppliers

All changes shall follow established change and approval processes in the applicable TRATON brands. If a part change results in a new PPAP, an updated MDS shall be submitted.

Proactive revision and resubmission of MDS are required for both brands in the event of changes in the GADSL or REACH candidate list or CVS55. All MDS with substances marked as jokers (wildcards) shall be checked. If substances become declarable or prohibited, they shall be disclosed upon resubmission.

## 4 Datasheet Content and Structure

For each part, a full declaration (100%) of all components, materials and substances that are present in the final part at the point of sale shall be registered in IMDS.

### 4.1 MDS Structure

The structure of the MDS shall completely, correctly and comprehensively describe the final part. The individual sub-parts shall be described and named in a way that is understandable for third parties in English language. In the case that sub-parts have a MAN and/or Scania part number, this can be specified.

For parts which are sourced from different sub-suppliers and different material compositions should be documented, the multi-sourcing function should be used to declare all variants in the same assembly-datasheet. The alternative with the most usage has to be declared as "preferred alternative".

#### 4.1.1 Part Weight

The specified measured weight of the top assembly node in the MDS shall correspond to the weight of the real component. The given weight is compared to internal documentation. In case of rejection the suppliers may be requested to provide evidence that the weight given in IMDS is correct.

### 4.1.2 Polymeric Parts Marking

If applicable, it should be stated in the IMDS whether a polymeric part is marked in accordance with VDA 260 and IMDS Rule 4.2.3.A.

### 4.1.3 Declaration of E/E-components

All sub-components, materials and substances used in E/E-components shall be fully disclosed in the MDS in accordance with latest IMDS Recommendation 019. New MDS referring to withdrawn or deleted MDS from the IMDS steering committee, e.g., old Rec019 MDS from ZVEI, will be rejected.

## 4.2 Materials

Materials shall be described truthfully, in homogeneous form and in fully reacted state. Materials such as metals with a layered composition are most likely not homogeneous and each layer needs to be described as a separate material. The use of fluids, reactive substances, starting products and gases is permitted only if these are actually contained in the final part.

### 4.2.1 Application Codes

For each applicable substance, a correct application code should be selected. The application codes shall comply with the legal requirements. Application codes that have been hidden by the IMDS Committee can still be used if the hidden applies only to vehicles type M<sub>1</sub> and N<sub>1</sub>.

### 4.2.2 Regulatory information/Chemistry Manager

If applicable, the regulatory information shall be filled in completely. Otherwise it may not be possible to evaluate the compliance of the part, and the MDS may be rejected due to missing information.

### 4.2.3 Recyclates

If materials contain recycled and/or bio-based content, this shall be documented in the IMDS on material level. Unless specified otherwise in this document, the reporting shall be in accordance with IMDS Recommendation 025.

Recyclate portions should be reported with the smallest possible range. The range should not exceed 10%. Reported figures shall be based on annual average.

## 4.3 Substances

The declaration of deleted basic substances should be avoided and are no longer accepted in new materials.

In case a declarable or prohibited (GADSL), or restricted or prohibited (CVS55) substance is present in a part but cannot be declared in IMDS because the substance has not yet been registered as basic substance, then the supplier shall submit a basic substance request to IMDS. For more information, visit the FAQ page on IMDS homepage ([here](#)).

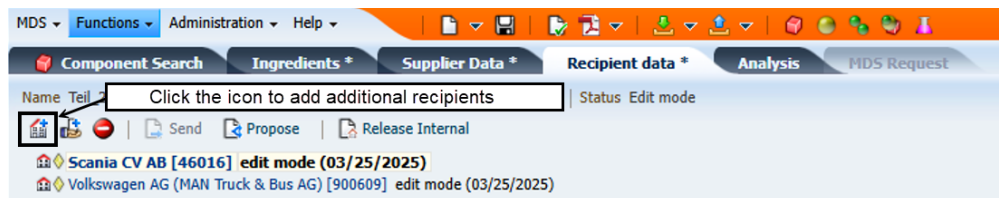
### 4.3.1 Jokers and Wildcards

The use of jokers and unspecified substances should be avoided in MDS. In case of concerns with intellectual property rights, the confidentiality flag function shall be used to hide the substances.

Declarable or prohibited substances shall not be contained in these "jokers" or substances marked as confidential.

## 5 Recipient Information

The same MDS shall be submitted to each relevant brand with brand-specific recipient information shown in Section 5.1 and 5.2. MDS can be proposed to both brands simultaneously by adding both brands as recipient, see instruction in the screenshot below.



**Figure 1 – Adding multiple recipients for one MDS**

In the following, the brand-specific requirements with regard to recipient information are stated. If submitting IMDS data to MAN or Scania those company-specific requirements have to be considered by the supplier.

### 5.1 MAN Requirements

| Data field           | MAN requirement                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recipient:           | MAN Truck & Bus SE                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Company-/Org.-ID:    | 145236                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Part/Item No.:       | The MAN part number consists of 11 characters. It shall be entered with dot and hyphen as separators in the following pattern: XX.XXXXX-XXXX                                                                                                                                                                                                                                                                                       |
| Description:         | Complete component designation in accordance with part drawing in German or English.                                                                                                                                                                                                                                                                                                                                               |
| Drawing No.:         | MAN drawing number in the format XX.XXXXX-XXXX in accordance with part drawing. The field remains empty for parts without drawing (e.g. standard parts, verbally defined parts).                                                                                                                                                                                                                                                   |
| Part Revision Index: | The current MAN part revision index shall be entered. It is a short code of 0-3 digits. If there is no part index, this field has to be left empty.                                                                                                                                                                                                                                                                                |
| Supplier Code:       | 9-digit D-U-N-S number of the supplier in the format XX-XXX-XXXX<br><i>Note: In order for the DUNS number to be accepted, the supplier shall have the status "active" in the Volkswagen supplier database. If this should not be the case, the status can be changed correspondingly on the supplier platform (<a href="http://www.vwgroupsupply.com/">http://www.vwgroupsupply.com/</a>) via the link "Partner registration".</i> |
| Forwarding allowed:  | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                |

**Details**

☒ **Transfer Information**

Company Volkswagen AG [107]  
 Organisation unit MAN Truck & Bus AG [145236]  
 Recip. Status  
 Supplier Code    
 Name    
 Part/Item No. -    
 Legacy Spare Part ☐   
 Transmission/Check Date  
 Forwarding allowed ☒

☒ **Drawing**

Drawing No.   
 Part Revision Index   
 Drawing Change Level

☒ **Purchase Order**

Purchase Order No.   
 Bill of Delivery No.

☒ **Report**

Report No.   
 Date of Report

9-digit D-U-N-S number of the supplier in the format XX-XXX-XXXX  
 Complete component designation in German or English.  
 11-digit MAN part number in the format XX.XXXXX-XXXX  
 Box checked  
 MAN drawing number in the format XX.XXXXX-XXXX  
 MAN part revision index. Blank if there is no index  
 Blank  
 Blank  
 Blank  
 Blank

## 5.2 Scania Requirements

### 5.2.1 Ingredient information

| Data field         | Scania requirement                                                                                                                                                                                                                                                                  |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article name       | Scania part name in English                                                                                                                                                                                                                                                         |
| Item-/Material No. | The Scania part number shall be specified. <i>Data format: Numerical characters (0-9) without leading zeros, blanks, points, commas, separators or other characters.</i><br>Note: The correct data format is checked by IMDS when an Supplier is trying to submit an MDS to Scania. |

### 5.2.2 Supplier information in MDS

| Data field      | Scania requirement                                                                                                                                                                                                                                                                         |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Company:        | The organisation unit name or company name shall contain the Scania Supplier name in English.<br><i>Note: The specified company name is checked against the in-house name of the Supplier with the Supplier Code (Scania supplier number) as specified in the Recipient Data section..</i> |
| DUNS Number:    | –                                                                                                                                                                                                                                                                                          |
| Contact Person: | Shall be specified                                                                                                                                                                                                                                                                         |
| E-mail:         | Shall be specified                                                                                                                                                                                                                                                                         |
| Active:         | Contact person shall be active.                                                                                                                                                                                                                                                            |

### 5.2.3 Recipient information

| Data field        | Scania requirement |
|-------------------|--------------------|
| Recipient:        | Scania CV AB       |
| Company-/Org.-ID: | 46016              |
| Item-/Mat.-No.:   | Scania part number |

| Data field            | Scania requirement                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description:          | Scania part name in English                                                                                                                                                                                                                                                                                                                                              |
| Drawing No.:          | The Scania part drawing number shall be specified.<br><i>Note: If the Scania requirements on part material composition are not specified in a Scania drawing then specify the Scania document ID (e.g. Scania Standard number) which describes the requirements on part material composition.</i>                                                                        |
| Drawing dated:        | Specify the date when the drawing was latest changed (the latest Engineering Change Order).<br><i>Note: If the Scania requirements on part material composition are not specified in a Scania drawing then specify the issue date of the latest version of the Scania document (e.g. Scania Standard) which describes the requirements on part material composition.</i> |
| Drawing Change Level: | The latest 9-digit Engineering Change Order (ECO) number of the Scania part shall be specified.<br><i>Note: The specified ECO number is checked against the Scania in-house latest ECO number for the specified Part No.</i>                                                                                                                                             |
| Report No.:           | Use this field to describe reasons for re-submission of a previously accepted MDS. One reason is a status change of a hidden substance ("CONF.SUBST" or "WILDCARD") in the MDS.                                                                                                                                                                                          |
| Date of Report:       | –                                                                                                                                                                                                                                                                                                                                                                        |
| Purchase Order No.:   | Optional information                                                                                                                                                                                                                                                                                                                                                     |
| Bill of Delivery No.: | –                                                                                                                                                                                                                                                                                                                                                                        |
| Supplier Code:        | 7-digit Scania Supplier Code<br><i>Note: The supplier code will be checked against the inhouse list of Suppliers which have a Scania order for the specified part number.</i>                                                                                                                                                                                            |
| Forwarding allowed:   | Yes                                                                                                                                                                                                                                                                                                                                                                      |

### 5.3 MDS Support

For questions regarding access to IMDS and technical IMDS problems concerning the respective country, contact the IMDS service centre. See contact link on the IMDS webpage <http://www.mdsystem.com>.

All questions related to substances and MDS reporting to brands shall be addressed to the functional mailboxes:

| MAN                                                                                                        | Scania                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="mailto:imds@volkswagen.de">imds@volkswagen.de</a> or <a href="mailto:imds@man.eu">imds@man.eu</a> | <a href="mailto:imds@scania.com">imds@scania.com</a><br><br>Note: Further information about IMDS reporting to Scania can be found at the Scania Supplier Portal ( <a href="https://supplier.scania.com/">https://supplier.scania.com/</a> ), Supplying to Scania/IMDS) or at the IMDS FAQ homepage under OEM-specific info ( <a href="#">direct link</a> ) |

## 6 Confidentiality

Material data registered in IMDS and submitted to the brands are downloaded and stored in an in-house material data system for reviewing and documentation. The data is handled confidential and according to IMDS terms of use. Certain substance information that is required by legislation may be extracted and submitted to a third party, e.g., reporting SVHC to SCIP database as required by REACH Art. 33. Suppliers shall therefore not disclose sensitive information in the names of part and materials in MDS.

## 7 Referenced documents and IT-Systems

### 7.1 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

| Document designation | Title                                                     |
|----------------------|-----------------------------------------------------------|
| CVS10                | TRATON Customer Requirements                              |
| CVS55                | Prohibited and restricted substances in products          |
| IMDS 001             | General Rules and Guidelines for IMDS Material Datasheets |
| VDA 260              | Parts of Motor Vehicles Marking of Materials              |

### 7.2 Referenced IT-Systems

This standard is linked to referenced IT-systems. Any changes in the standard shall be done in adjustment to them.

|                                           |                                                               |
|-------------------------------------------|---------------------------------------------------------------|
| International Material Data System (IMDS) | <a href="https://public.mdsystem.com">public.mdsystem.com</a> |
| IMDS public pages/CVS83                   | Any revisions to CVS83 shall be uploaded on the IMDS homepage |

**Annex A (informative) Change history**

| Release date | Changes                            |
|--------------|------------------------------------|
| 2025-05      | CVS83 replaces STD4352 and M 3212. |