



# STD4352



## STANDARD

Approved by  
YDR  
Area specialist  
YDRC

Emil Kylberg  
Frank Schlüter

Date  
2021-05-21  
Head of Corporate Standards  
YDRC  
Standardisation engineer  
YDRC

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Marina Kollberg  
Michaela Bundschuh

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## Reporting of Substances and Material Composition of Product-Related Parts to IMDS

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### Changes from previous issue

The standard has been restructured, parts of the chapter *Introduction* have been moved to the new chapter 2 *General*.

Chapter 3 "Reporting Process" Requirement for reporting deadlines has been adopted to CVS10 and STD4248.

Reference to CVS10 "Traton Customer Requirements" and STD4248 has been added.

Links to the IMDS system have been updated.

List of IMDS recommendations and Scania-specific requirements has been changed:  
Only Scania-specific clarifications or requirements- deviating from IMDS list 001- are listed in the table in Annex A.

Editorial changes.

Mani changes are shaded.



## Introduction

Scania has decided on supplier requirements for reporting to IMDS (International Material Data System).

IMDS is a common system for reporting of part material composition data along the whole Automotive Supply chain to the OEMs. The OEMs need this data to be able to prove compliance with international legislations on, for example, substance restrictions, substance information duties and vehicle recycling rate targets. It also allows OEMs and suppliers to work proactively with substitution of hazardous chemicals.

## 1 Scope

This standard applies when referred to in documentation.

The standard covers Product-related parts, i.e. parts used for the fabrication of other parts or complete vehicles, spare parts or other parts that are present in Scania's final product at the point of sale. Product-related parts are usually formed, solid articles but may also contain liquids like lubricant-oil or grease. Product-related parts include chemicals in their cured form present in the final product such as surface treatment material.

This standard does not cover 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 and machinery are examples for non-product related parts.

This standard does not apply to reporting of substances and material composition of parts, materials or chemicals used for packaging or temporary protection of supplied parts during transport processes.

## 2 Terms and definition

GADSL	Global Automotive Declarable Substance List
IMDS	International Material Data System
MDS	Material Data Sheet

Following IATF16949 terminology the Suppliers delivering to the OEM are called Organisations and tier 2 – n are defined as Suppliers. The OEM is the Customer receiving the purchased items.

## 3 General

This standard describes the requirements on reporting to IMDS concerning substances in and material composition of products (IMDS reports) supplied to Scania.

The reporting requirements apply to product-related (automotive) parts purchased by Scania from their suppliers (Organisations). The Organisations are responsible for ensuring that these requirements are cascaded to suppliers and their respective sub-suppliers (tier-N suppliers).

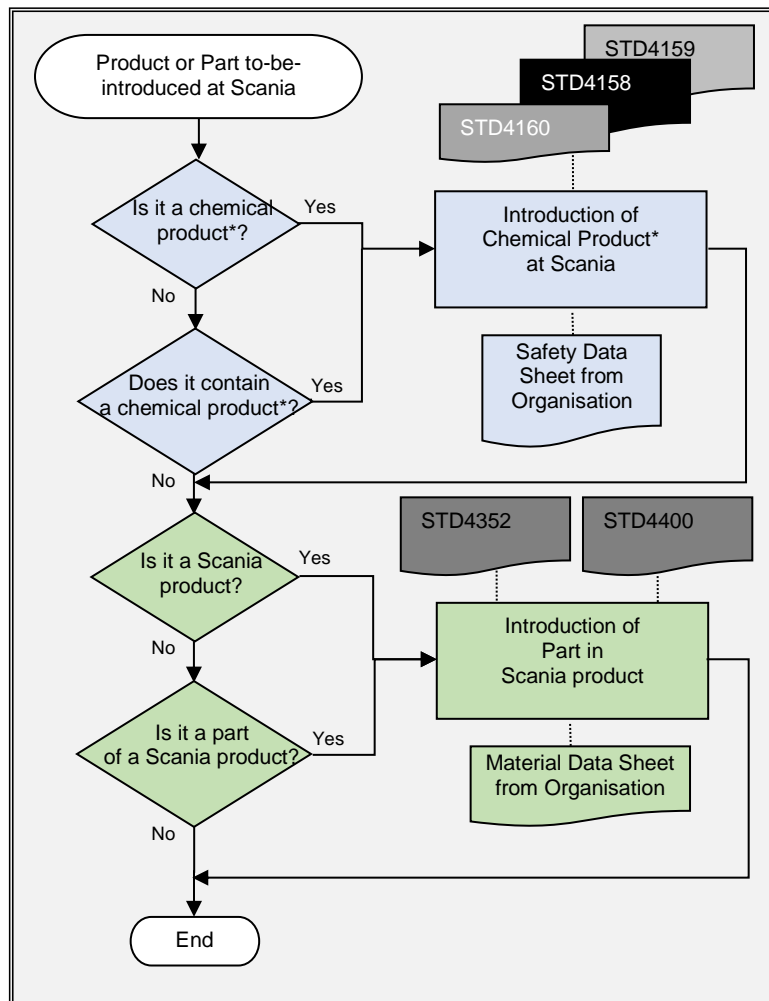
The Scania requirements on prohibited and restricted substances in Scania's products are covered by standard STD4400.

The flowchart in Figure 1 describes the range of application of associated Scania Standards. In case Scania products are chemical products or contain chemical products then the standards STD4158 (*Prohibited substances - Chemical substances which must not be used in chemical products within Scania*), STD4159 (*Restricted substances - Chemical substances with limited use in chemical products within Scania*) and STD4160 (*List of Prohibited and Restricted substances in chemical products*) are valid in addition to standard STD4400.



In early phases of product development the supplier shall report any intended use of prohibited or restricted substances listed in STD4400 to its contact person at Scania Purchasing. The reporting should be done preferably by using the Declaration Form on the Scania Supplier Portal (SSP).

This standard does not replace other obligations to report compositional information for chemical products specified in other requirements and standards.



\*A chemical product is a chemical substance or mixture, such as hydrochloric acid, glue, paint and coolant. Note that a chemical substance /mixture may also be included in a part such as explosives in an airbag.

Figure 1 – Flowchart describing the application of different Scania Standards

## 4 Requirements

The Organisation shall register in IMDS and request material reports from its suppliers. A registration in IMDS can be done at the address:

<https://public.mdssystem.com/en/web/imds-public-pages/comp-registration/>

Only when a reference to this standard is made, the Organisation shall submit a Material Data Sheet (MDS) for the specified part in IMDS according to the processes described in Chapter 5, 6 and 7.



For each part a full declaration (100%) of all components, materials and substances shall be registered in IMDS according to IMDS common rules and recommendations with Scania amendments as specified in Annex B and Annex C.

If unspecified substances (so-called “wildcards”) are used for material composition declaration in an MDS, they must not exceed 10% of the homogeneous material and must not be used to “hide” substances, which are declarable or prohibited in Global Automotive Declarable Substance List<sup>1</sup> (GADSL) or restricted or prohibited in Scania STD4400.

If wildcards are used to hide a substance, the owner of the data is obliged to archive the related data for a minimum of 30 years. The data owner must recheck after updates of GADSL and STD4400 (incl. referred REACH<sup>2</sup> Candidate List<sup>3</sup>) whether the status of the hidden substance has changed to declarable, restricted or prohibited.

The wildcards **Impact modifier**, **Plasticizer** and **Flame retardant** are targeted for phase out and should not be used in material reports.

In case a declarable or prohibited (GADSL), restricted or prohibited (STD4400) 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. See [here](#).

The reporting of Scania-specific part information on the top node and administrative information in the Recipient Information section shall be done as specified in Annex A.

The IMDS system pre-checks and prevents the submission of MDS to Scania if they fail to comply with Scania’s data format requirements in the Recipient Information section regarding **Part/Item No.**, **Supplier Code** and **Drawing Change Level**.

## 5 Reporting process

The MDS of the specified part that is sourced according to the Production Parts Approval Process (PPAP) shall be submitted according to the requirements stated in CVS10 “*TRATON Customer Requirements*”.

For Special Applications and Low Volume Parts the MDS of the specified part shall be submitted according to the requirements stated in STD4248 “*Scania Customer Requirements for Suppliers Delivering to Special Applications and Low Volume Parts*”.

The supplier shall send the MDS to Scania CV AB (IMDS ID 46016).

## 6 Approval process

The MDS reviewer at Scania shall approve that the material composition, the top-node part information and the recipient information section are correct according to the requirements.

Following upon the receiving of the MDS, Scania performs an MDS review and takes a decision in accordance with one of the following alternatives:

- Accepted  
The MDS complies with requirements.

<sup>1</sup> Global Automotive Declarable Substance List, see <http://www.gadsl.org> or <http://plastics.americanchemistry.com/Stand-Alone-Content/Global-Automotive-Declarable-Substance-List.html>

<sup>2</sup> Registration, Evaluation, Authorisation and Restriction of Chemical substances (REACH), Regulation EC 1907/2006, [http://echa.europa.eu/home\\_en.asp](http://echa.europa.eu/home_en.asp)

<sup>3</sup> Substances identified as identified as Substances of Very High Concern (SVHC) under REACH, <http://echa.europa.eu/web/guest/candidate-list-table>



- **Rejected**  
The MDS is not accepted; the reported MDS for the part does not comply with requirements. The MDS shall be reworked according to instructions given in the rejection motivation text field. Scania IMDS Error codes and correction instructions are given in Annex C.

If an MDS is rejected by Scania the Organisation shall correct and resend the MDS as well as other information (if required in the reject text motivation) within two weeks to Scania. The same MDS (ID and version number) shall be used for resubmission.

## 7 Resubmission and change management

If an Organisation is considering to change part material composition, then this has to be approved by Scania. The Supplier Change Request (SCR) approval process as described on the Supplier Portal shall be followed.

If an Organisation needs to replace a wildcard or a confidential substance in the material composition of the MDS then a new version of the MDS marked with the text "WILDCARD" resp. "CONF.SUBST." in the field "Report No," shall be submitted within three weeks to Scania.

In special cases Scania may request a new version of the MDS and/or additional information. A new version of the MDS and/or the required information shall be submitted within three weeks to Scania.

## 8 Confidentiality

Material data registered in IMDS and submitted to Scania are downloaded and stored in an in-house material data system for reviewing and documentation. The data is confidential and may only be used within Scania for common components and in relation with the supplier concerned. Certain substance information that is required by legislation may be extracted and submitted to a third party.

## 9 Support

Further information about IMDS reporting to Scania can be found at the Scania Supplier Portal (<https://supplier.scania.com/>), Supplying to Scania/IMDS or at the IMDS FAQ homepage under OEM-specific info ([direct link](#))

All questions related to substances and material reporting to Scania shall be addressed to the functional mailbox: [imds@scania.com](mailto:imds@scania.com).

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



## 10 Referenced documents and IT-System

References to standards, other than STD or CVS, refer to the highest level of the international standards (e.g. ISO or EN). International standards may be available as national editions at the respective national standardisation organisation (e.g. SS-ISO, SS-EN, DIN ISO, etc.).

### 10.1 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 issue cited applies. For undated references, the latest issue of the referenced document (including any amendments) applies.

STD4400	<i>Prohibited and restricted substances in Scania's products</i>
STD4158	<i>Prohibited substances - Chemical substances which must not be used in chemical products within Scania</i>
STD4159	<i>Restricted substances - Chemical substances with limited use in chemical products within Scania</i>
STD4160	<i>List of Prohibited and Restricted substances in chemical products</i>
STD4248	<i>Scania Customer Requirements for Suppliers Delivering to Special Applications and Low Volume Parts</i>
CVS10	<i>TRATON Customer Requirements</i>
Global Automotive Declarable Substance List (GADSL)	<i>A global list of substances which are of concern to human health, the environment, recycling or waste-disposal. The GADSL is prepared in cooperation between automobile manufacturers, tier suppliers and material suppliers. The GADSL only covers substances that are expected to be present in a material or part that remains in the vehicle or part at the point of sale. The list is published on <a href="http://www.gadsl.org">http://www.gadsl.org</a> or alternatively on <a href="http://plastics.americanchemistry.com/Stand-Alone-Content/Global-Automotive-Declarable-Substance-List.html">http://plastics.americanchemistry.com/Stand-Alone-Content/Global-Automotive-Declarable-Substance-List.html</a></i>
Candidate list under REACH (Regulation (EC) No 1907/2006 on Registration, Evaluation, Authorisation and Restriction of Chemicals)	<i>The Candidate List of Substances of Very High Concern (SVHC) for Authorisation. The list is issued by European Chemicals Agency (ECHA) and includes substances that may have very serious and often irreversible effects on humans and the environment. The Candidate List is updated regularly. Substances on Candidate List may subsequently become subject to authorisation by decision of the European Commission, and included in Annex XIV in REACH. 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></i>
IMDS 001 IMDS 001a	<i>General Rules and Guidelines for IMDS Material Datasheets Material Classifications (Annex I of IMDS 001)</i>

### 10.2 Referenced IT-System

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)	<i>The IMDS (International Material Data System) is the automobile industry's material data system. In the IMDS, all materials used for automobile manufacturing are collected, maintained, analysed and archived. Using the IMDS, it is possible to meet the obligations placed on automobile manufacturers, and thus on their suppliers, by national and international standards, laws and regulations. The terms of use can be found <a href="#">here</a>: The IMDS Steering Committee develops and issues recommendations for reporting Material Data Sheets (MDS) along the supply chain and to the OEMs. These recommendations (IMDS 001-023) can be found at <a href="http://www.mdsystem.com">www.mdsystem.com</a>.</i>
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**Annex A (normative) IMDS Recommendations and Scania-specific requirements**

Scania requires compliance with or recommends IMDS rules and guidelines issued by the IMDS steering committee. See table below. The latest issue of the document applies when the issue has not been stated.

Rec	Short description	Comments
001	General Rules and Guidelines for IMDS Material Datasheets	Mandatory Rules
001a	Annex I: Material Classifications	Mandatory Rules
002	<i>Flat Bill of Material FBOM</i>	<i>Inactivated and replaced by Rec019</i>
003	<i>Rubber (Elastomer) Material Composition</i>	<i>Inactivated and replaced by Rec001a (2.4/2.5)</i>
004	Textiles/Fibres	Recommended
005	Leather	Recommended
006	<i>Automotive Lubricants</i>	<i>Inactivated and replaced by Rec001a</i>
007	Steel Flat Products metallic coated	Recommended
008	Electroplated (electrolytically deposition) fasteners	Recommended
009	Components with electrolytically deposited coatings	Recommended
010	<i>Plastics Material Compositions</i>	<i>Inactivated and replaced by Rec001 (5.1) and Rec001a (2.2/2.5)</i>
011	Nonmetallic Coatings	Recommended
012	Automotive Sealer and Adhesive Products	Recommended
013	<i>Thermoplastic Elastomer (TPE) Material Compositions</i>	<i>Inactivated and replaced by Rec001a (2.3/2.5)</i>
014	Automotive Lighting	Recommended
015	Automotive Steering Systems	Recommended
017	FRP Fiber Reinforced Plastic Products (Thermosets)	Recommended
018	Automotive Glazing Parts	Recommended
019	Electric/Electronic (E/E) components and assemblies	Recommended
020	Thermal systems	Recommended
021	<i>Spin-on Oil Filter</i>	<i>Inactivated</i>
022	<i>Change Management</i>	<i>Inactivated and replaced by Rec001 (3.2)</i>
023	"Preliminary" MDS during the Prototype Phase	Recommended



## A.1 General Rules and Guidelines for IMDS Material Datasheets (IMDS 001)

Scania requires compliance with or recommends IMDS rules and guidelines stated in IMDS recommendation 001 with some exemptions. A few guidelines in IMDS 001 are set to mandatory rules to Organisation; a few mandatory rules in IMDS 001 are only recommendations for Scania suppliers. The following table states only those rules/recommendations that are different from the IMDS 001 and some additional comments. For rules and guidelines that are not part of table below see IMDS 001. Deviating Scania requirement to Organisation and/or additional comments are marked in the column on the right-hand side with *italic text*.

Rule/ Guideline	Rule Description/ Guideline Description	Deviating Scania requirement to Organisations/ Additional comments stated in <i>italic</i>
<b>3 General MDS Reporting and Change Management</b>		
<b>3.2 Change Management</b>		
<b>3.2.1 Basic Rules concerning MDS Revisions</b>		
3.2.1.B	Revision and resubmission of existing MDS if material or containing parts are changed.	<b>Mandatory Rule</b> <i>Changes in material or parts structure require a new Engineering Change Order (ECO) by Scania part responsible. If an Organisation wants to initiate such a change then a Supplier Change Request (SCR) must be sent to Scania Purchasing for approval.</i>
3.2.1.C	Revision and resubmission of existing MDS if part weight or materials mass are changed and are above tolerance.	<b>Mandatory Rule</b> <i>Changes in part weight or materials mass require a new Engineering Change Order (ECO) by Scania part responsible. If a an Organisation wants to initiate such a change then a Supplier Change Request (SCR) must be sent to Scania Purchasing for approval.</i>
3.2.1.D	Revision and resubmission of existing MDS after GADSL is changed and the MDS contains jokers, wildcards or confidential substances.	<b>Mandatory Rule</b> <i>Revision and resubmission of such MDS is also required after GADSL or Scania's STD4400 is changed.</i>

## 4 Datasheets (MDSs/Modules)

### 4.2 Components

<b>4.2.1 General Information</b>		
4.2.1.C	The top node component name must be descriptive and be in line with applicable customer specifications.	<b>Mandatory Rule</b> <i>The top node component name shall contain the English Scania part name.</i>
4.2.1.a	<i>Guideline:</i> The <b>component</b> name (in the field "Description") should be reported in English. MDSs in English will not be rejected by an OEM.	<b>Recommendation</b> <i>All component names should be English.</i>
4.2.1.b	<i>Guideline:</i> The <b>component</b> name should be consistent with the described product so that the material-related Application Code (if any) is related to the component name.	<b>Mandatory Rule</b> <i>If an material-related application code is used then the component name shall be descriptive and in English to allow a relevance check by Scania.</i>
4.2.1.c	<i>Guideline:</i> If applicable, the top node component name should be similar to the Bill of Material (BOM) description.	<b>Recommendation</b> <i>The top node component name shall contain the English Scania part name. See 4.2.1.C.</i>

### 4.3 Semi-components

<b>4.3.1 General Information</b>		
4.3.1.E	The top node semi-component name (article name) must be descriptive and be in line with applicable customer specifications.	<b>Mandatory Rule</b> <i>The top node component name shall contain the English Scania part name.</i>
4.3.1.a	<i>Guideline:</i> The semi-component name should be reported in English. MDSs in English will not be rejected by an OEM.	<b>Recommendation</b> <i>All component names should be English.</i>



## 4.4 Materials

### 4.4.2 Information Given in Material MDSs

#### • Material Name

#### • Std. Mat. No.

4.4.2.E	For materials in parts with a weight > 5 g <i>and</i> for which a material number is defined in public standards, the entry <b>Std Mat. No.</b> is mandatory.	<b>Mandatory Rule</b> <i>Recommendation for small parts &lt; 5 g</i>
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#### • Symbol

4.4.2.F	For materials in parts with a weight > 5 g that are thermoplastics (filled/unfilled, ISO 1043, see IMDS 001a), thermoplastic elastomers (ISO 18064, see IMDS 001a), and elastomers (ISO 1629, see IMDS 001a), the entry <b>Symbol</b> is mandatory. These materials are typically found in material classifications 5.1a/b – 5.3.	<b>Recommendation</b>
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#### • Norms/Standards

4.4.2.H	For materials described in public norms supported by IMDS, the entry <b>Norms/Standards</b> is mandatory. Classifications 6-9 may not have public norms.	<b>Recommendation</b> <i>Classifications 1-4, Classification 5<sup>3</sup></i>
4.4.2.I	For materials in parts with a weight < 5 g, the entry <b>Norms/Standards</b> is optional.	<b>Recommendation</b>

#### • Remark

4.4.2.J	The field <b>Remark</b> must be used for material-related comments only.	<b>Recommendation</b>
4.4.2.K	Statements which refer to contractual requirements (example: legal disclaimers, exclusion clauses) are not allowed in the field <b>Remark</b> .	<b>Recommendation</b>

### 4.4.5 Application Codes

4.4.5.a	<i>Guideline:</i> If a substance becomes application-relevant for the first time, the respective MDSs should be modified and resubmitted.	<b>Mandatory Rule</b>
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## 4.5 Basic Substances

### 4.5.1 General Information

4.5.1.D	Declarable and prohibited substances and their concentration/application must be declared in a manner that compliance to legal requirements can be evaluated.	<b>Mandatory Rule</b> <i>This also includes restricted and prohibited substances in STD4400.</i>
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### 4.5.2 Confidential Substances

4.5.2.A	Substances may only be marked as confidential if they are not declarable or prohibited according to GADSL (suppliers to Renault: BGO list), are not an SVHC, and do not require an application code.	<b>Mandatory Rule</b> <i>This also includes restricted and prohibited substances in STD4400.</i>
4.5.2.B	If a GADSL (suppliers to Renault: BGO list) update changes the status of substances that are marked as confidential in a material MDS, the respective material MDS must be updated accordingly so that the substance is no longer marked confidential. MDSs containing this material MDS also must be updated along the supply chain.	<b>Mandatory Rule</b> <i>This also includes restricted and prohibited substances in STD4400.</i>
4.5.2.a	<i>Guideline:</i> As IMDS is providing certain tools to simplify and automate necessary up-dates of MDS containing confidential substances, it is highly recommended to use confidential substances instead of wildcards to cover your secret substance information.	<b>Strong recommendation</b>

### 4.5.3 Jokers/Wildcards

	Jokers/Wildcards in IMDS: a) <i>Flame retardant, not to declare</i> b) <i>Further additives, not to declare</i> c) <i>Impact modifier, not to declare</i> d) <i>Inorganic ingredient, not to declare</i> e) <i>Misc., not to declare</i> f) <i>Not yet specified, not to declare</i> g) <i>Organic ingredients, not to declare</i>	<b>Accepted and not-accepted wildcards</b> a) <i>Not accepted (phased-out)</i> b) <i>Accepted until further notice</i> c) <i>Not accepted (phased-out)</i> d) <i>Accepted until further notice</i> e) <i>Accepted until further notice</i> f) <i>Not accepted in final MDS</i> g) <i>Accepted until further notice</i>
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	h) <i>Pigment portion, not to declare</i> i) <i>Plasticiser, not to declare</i>	h) <i>Accepted until further notice</i> i) <i>Not accepted (phased-out)</i>
4.5.3.B	Wildcards must not be used to hide substances that are declarable or prohibited according to GADSL (suppliers to Renault: BGO list), an SVHC, or re-quire an application code.	<b>Mandatory Rule</b> <i>This also includes restricted and prohibited substances in STD4400.</i>
4.5.3.a	<i>Guideline:</i> Due to the effort required for a periodic review of all jokers/wildcards after a change to the GADSL (see 3.2 Change Management) and the archival requirement, it is highly recommended that substances be marked confidential instead of using the joker/wildcard for highly confidential substance information.	<b>Strong recommendation</b>
4.5.3.b	<i>Guideline:</i> The wildcard <b>Impact modifier</b> is targeted for phase out and should be avoided in new datasheets.	<b>Mandatory Rule</b>
4.5.3.c	<i>Guideline:</i> The wildcards <b>Plasticizer</b> and <b>Flame retardant</b> are targeted for phase out and should be avoided in new datasheets.	<b>Mandatory Rule</b>
<b>4.5.4 Portion (Percentage) Ranges</b>		
4.5.5.B	If the portion type "range" is selected, the following maximum portion ranges (from X% to Y%) apply: 0% ≤ X ≤ 7.5% → Y% - X% ≤ 3% 7.5% < X ≤ 20% → Y% - X% ≤ 5% 20% < X ≤ 100% → Y% - X% ≤ 10%	<b>Mandatory Rule</b> <i>Recommendation for small parts &lt; 5g</i>

### 5 Special cases

<b>5.2 Flat BOM (FBOM) Reporting Method</b>		
5.2.C	Components which contain prohibited and/or declarable substances according to GADSL (suppliers to Renault: BGO list) or requiring an application code must be reported separately ( <u>no combining in component groups</u> ).	<b>Mandatory Rule</b> <i>This also includes restricted and prohibited substances in STD4400.</i>



## Annex B (normative) Requirements on Top Node and Recipient Data

This Annex describes the Scania requirements on ingredients, supplier data and recipient data of MDS submitted by suppliers to IMDS.

### B.1 Ingredients

The ingredients of a MDS consist of hierarchical nodes structure. Nodes are of type components, semi-components, materials or basic substances. The top-level node describes the overall Scania part.

#### B.1.1 Top-level Component node

A component represents a single part, a complete assembly or a complete part within an assembly.

Data	Description	Scania-specific requirements
MDS Type	Component	MDS type Component shall be used if the Scania part weight unit is "ST" (pieces).
MDS ID / Version	-	-
Description	Part name	The description shall contain the Scania part name in English.
Part/Item No.	Part number	The Scania part number shall be specified.  <i>Data format<sup>4</sup>: Numerical characters (0-9) without leading zeros, blanks, points, commas, separators or other characters.</i> Note: The correct data format is checked by IMDS when a supplier is trying to submit an MDS to Scania.
Measured Weight per Item	Measured part weight in milligram, gram, or kilogram	Note: The specified measured part weight is checked against the Scania in-house measured parts weight at MDS review.
Development Sample Report	Preliminary MDS in early phases: Yes / No	Do not send preliminary MDS (Development Sample Reports) if not requested explicitly by Scania Purchasing!

#### B.1.2 Top-level Semi-component node

A semi-component is a semi-finished product (example: steel coil, pipe, leather hide, plated steel) that will go through further process steps (example: cutting, stamping) to make a finished component.

Data	Description	Scania-specific requirements
MDS Type	Semi-component	Shall be used if the Scania part weight unit is not "ST" (pieces) or "G" (gram)
Article Name	Part name	The article name shall contain the Scania part name [English].
Item-/Material No.	Part number	The Scania part number shall be specified.  <i>Data format<sup>4</sup>: Numerical characters (0-9) without leading zeros, blanks, points, commas, separators or other characters.</i> Note: The correct data format is checked by IMDS when a supplier is trying to submit an MDS to Scania.
Development Sample Report	Preliminary MDS in early phases: Yes / No	Do not send preliminary MDS (Development Sample Reports) if not requested explicitly by Scania Purchasing!
Specific weight	Length (kg/m), area (kg/m <sup>2</sup> ), volume (kg/m <sup>3</sup> )	The specific weight is depending on the Scania part weight unit: [MM] → Length, [DM2] → Area, [CM3] → Volume. Note: The specified specific weight is checked against the Scania in-house specific parts weight at MDS review.

<sup>4</sup> The correct data format is checked by IMDS when a supplier is trying to submit an MDS to Scania.



### B.1.3 Top-level Material node

A material shall be described in the actual state it will have in the final product (e.g. hardened adhesive, baked paint). Engine oil, washer fluid, and coolants are other examples of (automotive) parts which shall be reported as material in MDS.

Data	Description	Scania-specific requirements
MDS Type	Material	Shall be used if the Scania part weight unit is "G" (gram)
Name (EN)	Part name	The Name (EN) shall contain the Scania part name in English.
Internal Mat.-No.	-	The Scania part number shall be specified.  <i>Data format<sup>4</sup>: Numerical characters (0-9) without leading zeros, blanks, points, commas, separators or other characters.</i> Note: The correct data format is checked by IMDS when a supplier is trying to submit an MDS to Scania.
Development Sample Report	Preliminary MDS in early phases: Yes / No	Do not send preliminary MDS (Development Sample Reports) if not requested explicitly by Scania Purchasing!

### B.2 Supplier Data

Any company registered in IMDS can submit MDS in IMDS to Scania. Scania checks supplier data to make sure that the MDS was sent from a Scania supplier.

Data	Description	Scania-specific requirements
Company:	Name of company or organisation unit as registered at IMDS	The organisation unit name or company name shall contain the Scania supplier name in English. <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:	Yes / No	Contact person shall be active.

### B.3 Recipient Data

Data	Description	Scania requirement to suppliers
Recipient:	Name of company or organisation unit as registered at IMDS	All MDS shall be sent to <b>Scania CV AB [IMDS ID: 46016]</b> .
Company- / Org.- ID:	Company ID given by IMDS at company registration	All MDS shall be sent to <b>Scania CV AB [IMDS ID: 46016]</b> .
Item- /Mat.-No.:	Part number	<i>See Scania-specific Requirements on Top-level nodes</i>
Description:	Part name	<i>See Scania-specific Requirements on Top-level nodes</i>
Drawing No.:	Part drawing or other part describing document ID	The Scania part drawing number shall be specified.  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.
Drawing dated:	MM/DD/YYYY	Specify the date when the drawing was latest changed (latest Engineering Change Order).  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.



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Drawing Change Level:	-	The latest Engineering Change Order (ECO) number of the Scania part shall be specified. <i>Data format<sup>4</sup>: Numerical characters (0-9) without leading zeros, blanks, points, commas, separators or other characters.</i> Note: The specified ECO number is checked against the Scania in-house latest ECO number for the specified Part no..
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:	(MM/DD/YYYY)	-
Purchase Order No.:	-	Optional information
Bill of Delivery No.:	-	-
Supplier Code:	DUNS number is commonly used as supplier code.	The Supplier Code shall be the Scania Supplier Code. <i>Data format<sup>4</sup>: 7 numerical characters (0-9) with leading zero if necessary but without blanks and special characters.</i> Note: The supplier code will be checked against the inhouse list of suppliers which have a Scania order for the specified part number.
Forwarding allowed:	Yes / No	Specify Yes.



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### Annex C (Normative) Error Codes List

This annex explains the meaning of Scania specific Error Codes and how to correct.

Scania Error Code descriptions contains variable text from both MDS data fields and verification with Scania internal product data. In the following explanations of Error Code descriptions you will find the following variables (marked as <variable>) with references to their data sources as below:

MDS variable	Data area	Data field	↔	Scania variable	Data field
PN	Recipient data	Part/Item No.:	↔	SPN	Part number
PD	Recipient data	Description	↔	SPD	Part Denomination
DCL	Recipient data	Drawing Change Level	↔	ECO	Latest Engineering Change Order
SC	Recipient data	Supplier Code	↔	SSC	Supplier Number
SCN	Supplier data	Supplier company name	↔	SSN	Supplier Name
ID	Ingredients	MDS ID / version		SPS	Part development status
RC	Recipient data	Recipient Company		WU	Part Weight unit
TP	Ingredients	MDS type			

### C.1 Ingredients

#### C.1.1 Top-level node

Error	Data field	Content	How to correct
STD 4352en [TN1]	Type	The MDS type <TP> does not match Scania unit: <WU> (ST = pieces). MDS type Component shall be used if the weight unit is "ST" (pieces), MDS type Material shall be used if the weight unit is "g", otherwise the MDS type Semi-component shall be used."	Please, check with your Scania purchaser the correct part weight unit for this part. <ul style="list-style-type: none"> <li>- MDS type Component shall be used if the weight unit is "ST" (pieces).</li> <li>- MDS type Material shall be used if the weight unit is "g" (gram),</li> <li>- Otherwise, the MDS type Semi-component shall be used. The specific weight is depending on the Scania part weight unit:                             <ol style="list-style-type: none"> <li>MM → Length [kg/m]</li> </ol> </li> </ul>



Error	Data field	Content	How to correct
			b) DM2 → Area [kg/m <sup>2</sup> ] c) CM3 → Volume [kg/m <sup>3</sup> ]
STD 4352en [WC3] [WC4] [WC5]	Measured weight per item	Difference between measured weight by supplier and Scania weight exceeds limits. - Please check part weight send confirmation via email to <a href="mailto:imds@scania.com">imds@scania.com</a> . - Use following mail subject 'Confirmation: Weight of part no. <PN> in MDS <ID>'	Re-check the entered measured part weight.  If the measured part weight was not correct then correct it and re-send the MDS.  If the measured part weight was correct then confirm the data by email as requested. Then re-send the MDS. <i>FYI: Your part weight confirmation email will not be answered by the IMDS team.</i>
STD 4352en [DS1]	Development Sample Report	The Part <PN> is in development status level <SPS>. Development sample report is only allowed for a part in development status 'P' (Preliminary). Please report a final MDS."	The part status can be found on the Scania part drawing.  Do not send preliminary MDS (Development Sample Reports) if not requested explicitly by Scania Purchasing!
SVHC Complete Part [CL1]	Substance	Part contains substance from SVHC Candidates List Status <Date> in a concentration > 0,1 % w/w. Please inform your customer acc. REACH Art. 33	No correction is required.  If the part is sold as spare part by Scania then Scania must provide information about the name of the Candidate List substance and safe use of the part to their professional customers according to REACH Article 33(1) at point of sale in EU countries, Norway, Liechtenstein and Iceland.  <i>FYI: In case the MDS will be accepted later you will receive a separate email by Scania requesting available information on safe use of the part according to EU REACH Article 33.</i>

### C.1.2 Other nodes

Error	Node	Content	How to correct
STD4400 – Prohibited substances	Substance	Example: "Chlorinated hydrocarbons prohibited"	Prohibited substances shall not be used in changed and new products.  Wait for Scania decision.  <i>FYI: A Scania internal deviation event will be created. The MDS review process at Scania is on hold until an internal decision has been taken.</i>
STD4400 – Restricted substances	Substance	Part contains Decabromodiphenyl ether (CAS number 1163-19-5), Deca-BDE, in a concentration > 0,1 % w/w in homogeneous material. Deca-BDE is restricted and should not be used.	Restricted substances should not be used in changed and new products.  Wait for Scania decision.  <i>FYI: In case that there is no internal exemption then a Scania internal deviation event will be created. The MDS review process at Scania is on hold until an internal decision has been taken.</i>
STD4400 – Restricted substances	Substance	Part contains substance from SVHC Candidates List Status <Date> in a concentration > 0,1	Restricted substances should not be used in changed and new products.  Wait for Scania decision.



Error	Node	Content	How to correct
[CL2]		% w/w in <b>homogeneous material</b> . SVHC substances are restricted and should not be used.	<i>FYI: In case that there is no internal exemption then a Scania internal deviation event will be created. The MDS review process at Scania is on hold until an internal decision has been taken.</i>
EU-ELV  [STD4400 – Restricted substances]	Substance	<u>Example:</u> ELV EU 2002/525/EC exemption 12 - Copper in brake linings containing more than 0.5% lead by weight; to be labeled	Restricted substances should not be used in changed and new products.  Wait for Scania decision.  <i>FYI: In case that there is no internal exemption then a Scania internal deviation event will be created. The MDS review process at Scania is on hold until an internal decision has been taken.</i>
REACH Annex XIV [XIV1]  [STD4400 – Restricted substances]	Substance	This substance can only be used if an authorization is applied.  Observe deadline for application for authorization!	No exemption will be granted by Scania for the use of substances on the Candidate List that are subject to authorization by the European Commission, i.e. are included in Annex XIV of REACH.  The latest application date for substance use after sunset date has not yet passed.
REACH Annex XIV [XIV2]  [STD4400 – Restricted substances]	Substance	This substance can only be used if an authorization is applied.	No exemption will be granted by Scania for the use of substances on the Candidate List that are subject to authorization by the European Commission, i.e. are included in Annex XIV of REACH.  The latest application date for substance use after sunset date has already passed.
REACH Annex XIV [XIV3]  [STD4400 – Restricted substances]	Substance	This substance can't be used without granted authorization by the European Commission.	No exemption will be granted by Scania for the use of substances on the Candidate List that are subject to authorization by the European Commission, i.e. are included in Annex XIV of REACH.  The sunset date for substance use has already passed. The use of the substance requires granted authorization by ECHA.
REC001	Component / Material / Substance	<u>Example :</u> Sum of percentages for Wild Cards + Confidential Substances exceeds limits [Rule 4.5.2.C/4.5.3.E/5.1.A]	Correct the deviation from IMDS Steering Committee Recommendation 001 which is supported by Scania. See Annex A.
Quality	Material	<u>Example:</u> A material of classification 5.1.a must contain more than 23% substances of the substance group "Chk: Named *poly* w/o duromers".	Correct the material content to comply with material classification rules. See also Annex I of IMDS Steering Committee Recommendation 001.
Application check	Material / Substance	<u>Example:</u> Application code not allowed: 'Not applicable'	Correct the application code to a valid one.



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### C.2 Supplier Data

#### Supplier Data

TEST EE2 Grease 148415012 / 0.01 (Node ID 148415012)

Search View MDS Supplier data

MDS Status: Edit mode

Company: <SCN> ipoint-systems gmbh ← SN1  
 DUNS Number: -  
 Ludwig-Erhard-Str. 52-56  
 72760 Reutlingen  
 DE (Germany)

Error	Data field	Content	How to correct
STD 4352en [SN1]	Supplier company name	Your company name (<SCN>) does not match the company name (<SSN>) in our internal supplier database for the entered supplier code (<SC>). - Please check internally and send feedback via email to <a href="mailto:imds@scania.com">imds@scania.com</a> - Use following mail subject 'Confirmation: Company name of supplier code <SC> [MDS <ID>']	Check whether you have entered the correct Scania supplier code for your company or company unit.  If your company name in IMDS is not correct then change it and re-send the MDS.  If your company name in IMDS is correct then confirm your company name via email as requested. Wait for an email response from the IMDS team before re-sending the MDS.

### C.3 Recipient Data

The following example gives an overview of Error Codes produced by checks of data fields in the recipient data section.

#### Company data

Recip. Status: edit mode

Recipient: <RC> Scania CV AB ← RC1  
 Company- / Org.-ID: 46016

Part/Item No.: <PN> ← PN1, PN3, PN4, PN5

Description: <PD> ← WC2, WC3

Drawing No.:

Drawing dated:

Drawing Change Level: <DCL> ← DC1, DC3, DC4

Report No.:

Date of Report:  (MM/DD/YYYY)

Purchase Order No.:

Bill of Delivery No.:

Supplier Code: <SC> ← SC1, SC2, SC4

Reason for denial:

Transmission/Check Date: not available

Forwarding allowed:  Yes  No



Error Code	Data field	Error Content	How to correct
STD 4352en [DC1]	Drawing Change Level	The specified ECO no. (<DCL>) in recipient data field Drawing Change Level cannot be verified as a valid ECO no. for this part! The latest ECO no. for this part is: <ECO>	<p>The data field Drawing Change Level shall contain the latest Engineering Change Order (ECO) number.</p> <p>The latest ECO no. can be found on the Scania part drawing.</p> <p>In some cases it is difficult to identify the latest ECO for the specific part, i.e when the part is defined in a Scania Standard or defined in a tabular drawing. Lookup the ECO no. for those parts in the Part Submission Warrant document or ask the Scania Purchaser!</p> <p>If you disagree with the advised, latest ECO no. in the rejection text please send an email to <a href="mailto:imds@scania.com">imds@scania.com</a> with following mail subject: 'Request Re-check: ECO no. of part no. &lt;PN&gt; in MDS &lt;ID&gt;':</p> <p>Wait for answer from the IMDS team before re-send the MDS.</p>
STD 4352 [DC3]	Drawing Change Level	The ECO no. for this part shall be set to zero ('0')	No ECO number is specified for this (very old) part in our internal system. Enter a zero digit.
STD 4352 [DC4]	Drawing Change Level	The recipient data field Drawing Change Level shall contain the Scania Engineering Change Order (ECO) no! Please enter latest ECO which is <ECO> for part no. <SPN>."	<p>The data field Drawing Change Level shall contain the latest Engineering Change Order (ECO) number.</p> <p>The ECO no. is a 5-6 digits number; no text and no special characters!</p> <p>The latest ECO number can be found on the Scania part drawing or in the Part Submission Warrant (PSW) document.</p>
STD 4352 [DMC1]	Drawing Change Level	An MDS for Part <PN>, <PD>, and the ECO (drawing change level) <DCL> from your company has been approved before. See MDS <Found Earlier Approved MDS Id>. A new ECO is required for part material or weight changes. Please follow Scania Change Request process."	<p>A design change needs to be confirmed by Engineering Change Order (ECO).</p> <p>A Supplier Change Request (SCR) is sent to the Scania purchaser before implementation of the change. The final approval is made by the part responsible at Scania who will issue a new ECO and update the part drawing.</p> <p>If there is another reason for why you have sent a new version of the MDS with the same ECO no. then please send an email to <a href="mailto:imds@scania.com">imds@scania.com</a> with following mail subject 'Request Re-check: Duplicate ECO no. of part no. &lt;PN&gt; in MDS &lt;ID&gt;'. Wait for an answer from the IMDS team before you re-send the MDS.</p>
STD 4352 [NC1]	Description	Part description: <PD> This data field shall contain the Scania Part Denomination which is <SPD> for part no <SPN>	The Scania Part Denomination (Description) can be found on the Scania Part Drawing or in the Part Submission Warrant document.



Error Code	Data field	Error Content	How to correct
STD 4352 [OLD2]		This part <SPN> <SPD> is discontinued as production part and spare part. There is no need to report a MDS."	Cancel the MDS. <i>FYI: The error can also occur if the spare part was substituted and there is no part on stock anymore.</i>
STD 4352 [PN1]	Part/Item No.	This part has been discontinued in our production and is not used as a spare part. There is no need to report a MDS.	Cancel the MDS. The error also occurs if the spare part was substituted and there is no part on stock anymore.
STD 4352 [PN3]	Part/Item No.	This part/item no. cannot be verified as a Scania part no! Please enter numbers only, no special characters!	Enter the Scania part number which is numerical with 5-7 digits. The Scania part number can be found on the Scania Part Drawing or on the Part Submission Warrant document.
STD 4352 [PN4]	Part/Item No.	This part cannot be verified as a valid Scania part!	Lookup the valid the Scania part number on the Scania drawing or the Part Submission Warrant document.
STD 4352 [PN5]	Part/Item No.	This part is decided not to be introduced in production and is not used as spare part. There is no need to report a MDS.	Cancel the MDS.
STD 4352 [RC1]	Recipient	The Recipient Company (<RC>) is wrong. Please send all MDS to 'Scania CV AB [46016]'	Cancel the MDS and re-send it to Scania CV AB [46016] instead.
STD 4352 [SC1]	Supplier Code	The supplier number shall be a 7 digits value. The valid supplier number for <SSN> is: <SSC>	The Scania 7-digits supplier number can be found on the Part Submission Warrant. Neither DUNS number nor the older, Scania 4-digits supplier code are valid.
STD 4352 [SC2] [SN3]	Supplier Code	Your company cannot be verified as supplier for Scania part <SPN> <SPD> - Please check internally and send feedback via email to <a href="mailto:imds@scania.com">imds@scania.com</a> . - Use following mail subject 'Confirmation: Supplier of part no. <SPN> in MDS <ID>'	Check whether your company has got a Scania <u>order</u> for this part number.  If you haven't received an order yet then re-send the MDS when you have received the order from Scania Purchasing.  If your company has several Scania supplier numbers because of different production sites then find out the Scania supplier number for the production site which has received the Scania order for this part.
STD 4352 [SC4]	Supplier Code	The supplier number given "<SC>" is wrong, it shall be a 7 digits numeric value without special characters.	The Scania Supplier number has the format "0000000" (example: 0123401). Ask your Scania purchaser for the correct number.
STD 4352 [SC5] [SC6]	Supplier Code	The supplier number shall be a 7 digits value. The valid supplier number for "<SCN>" is: "<SSC> <SSN>".	Check whether the proposed Scania supplier code and name is correct. The proposal is based on the IMDS registered name of the MDS submitting company. You can always ask your Scania purchaser for the correct number.

**Annex D (informative) Change history**

<b>Issue</b>	<b>Issue date</b>	<b>Changes from previous issue</b>
4	2021-05-21	The standard has been re-structured, parts of the chapter Introduction have been moved to the new chapter 2 General. Chapter 3 "Reporting Process" Requirement for reporting deadlines has been adopted to CVS10 and STD4248. Reference to CVS10 "Traton Customer Requirements" and STD4248 has been added. Links to the IMDS system have been updated. List of IMDS recommendations and Scania-specific requirements has been changed: Only Scania-specific clarifications or requirements- deviating from IMDS list 001- are listed in the table in Annex A. Editorial changes.
3	2012-08-27	The standard has a new title, structure and contains new annexes. Annex A describes Scania-specific amendments to IMDS Recommendations. Scania-specific requirements on recipient information section were moved to Annex B. Scania Error Codes list was added as Annex C.
2	2010-05-06	The standard has been revised with changes in all chapter.
1	2009-06-30	First issue.