



# IMDS Supplier Manual



## Change Description

Date	Revision	Changes	Creator
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## 1. General

In addition to the material compliance reporting requirements described here, you are required to follow the IMDS Recommendations, legal and/or customer specific requirements.

## 2. Objective

The Automotive industry established the IMDS software in 2001 as the data collection and evidence tool for product related environmental compliance. Following the complete automotive value chain, the material information is provided from the material manufacturer along the supply chain to the OEM.

Usually IMDS is linked to the initial sampling process. In specific cases and on demand, some ERNI might require so called "Preliminary MDS" at an earlier stage. Furthermore, we reserve the right for "Special IMDS requests", which are described in chapter 4.5.

The absence of accepted "Final MDS" endangers:

- the environmental approval at ERNI and
- the approval of the initial sample to ERNI.

In accordance with the IMDS terms of use the collected data sets can further be used for other purposes, such as:

- the Product related environmental analysis at ERNI,
- other reporting systems of our customers (e.g. CAMDS, CDX, BOMcheck).

## 3. Area of Applicability

This guideline is valid for all suppliers and their products supplied to all ERNI facilities worldwide. The suppliers are required to consider this guideline in their supply chain, too.

## 4. Definitions and Explanations

**IMDS (International Material Data System):** Internet based material data collection and evidence tool for the whole automotive value chain.

**MDS (Material Data Sheet):** Material data sheets within IMDS.

**Preliminary MDS:** Preliminary MDS in accordance with IMDS recommendation 023.

**Final MDS:** Full material declaration in IMDS format.

**GADSL (Global Automotive Declarable Substance List):** Global standard, which includes declarable and restricted substances for finished materials and parts in the Automotive value chain. This list does not include substances, which are used in process-related materials solely.

**CAMDS (China Automotive Material Data System):** Internet based material data collection and evidence tool for a significant amount of Chinese car manufacturers. CAMDS and the related processes appear to be very similar to IMDS.

PDM system: **P**roduct **D**ata **M**anagement system.

SOP: **S**tart **O**f **P**roduction.

MOB: **M**ake **O**r **B**uy.

BOM: **B**ill **O**f **M**aterial.

## 5. Proceedings and Procedures

### 5.1. Introduction

#### 5.1.1. Suppliers responsibilities

The suppliers are responsible, that the ERNI Group is provided with acceptable MDS on time. This process includes appropriate user nomination, the related data collection and finally the correct data submission to ERNI according to this standard.

Furthermore, the suppliers are required to actively support special IMDS requests, e.g. specific requests by customers of the ERNI Group.

#### 5.1.2. User Nomination

The IMDS users should have the following qualification:

- Regular experience in IMDS material data reporting or
- appropriate training.

### 5.2. MDS submission requirements

#### 5.2.1. Timing of MDS submissions

##### Final MDS

The data creation process shall start directly after the nomination by ERNI. Acceptable final MDS must be sent to ERNI as soon as possible. The latest submission date is for initial sampling to ERNI at the very latest.

##### Preliminary MDS

Preliminary MDS must be sent to ERNI on demand. The date is approximately 10 months before ERNI SOP

#### 5.2.2. Parts supplied to different ERNI companies

MDS submissions for parts, which are supplied to different ERNI companies, must be sent to the first initial sampling company. Usually all the other ERNI companies should be able to find and use MDS, once accepted by the initial sampling company. But this cannot be 100% guaranteed and double sending may not be avoided in some cases.

### 5.2.3. Acceptance criteria for MDS submissions

"One Part Number – one MDS entry" principle must be applied. Suppliers are required to send only one MDS entry for one Part No. and keep the data sheets up to date by sending new versions of the IDs. The new version of previously MDSs should only be submitted according to the change management specified in Recommendation 001 or if specifically requested by ERNI.

#### GADSL

The parts must fully comply with the substance restrictions defined in the GADSL.

#### IMDS rules and recommendations

The latest versions of the IMDS rules and recommendations have to be considered and met.

#### Materials

For materials manufactured according to a public standard supported by IMDS - and corresponding IMDS classifications 1-4, MDSs published by the IMDS-Steering Committee must be used.

#### IMDS application codes

The IMDS application codes must be correctly selected.

#### Coloured parts

A separate MDS for each colour type and ERNI parts number must be submitted by the supplier. Exceptions must be agreed by ERNI.

#### Descriptions in the IMDS tree

The descriptions and free texts have to be given in English. Optional is the additional specification in the national language. E.g. German.

#### IMDS chapter - supplier data

Suppliers have to make sure that they always have the current and correct contact information registered in IMDS.

#### IMDS chapter - recipient data

The correct organization unit ID of ERNI facilities must be selected. Please also refer to chapter 8.1 The correct part name, part number and part revision must be entered. This information can be found in the ERNI order. These data sets are used to match up the IMDS approval with the initial sampling of the part.

Please always tick the forwarding allowed option.

An example for IMDS chapter 4 can be found in chapter 8.2.

#### Rejected MDSs

Rejected MDSs must be corrected according to rejection reasons and re-submitted within 10 days, by editing the rejected MDS ID or by sending a new version.

## Update of existent MDS

This section describes the conditions under which MDSs shall be revised, updated and/or resubmitted.

The following rules are valid for MDSs sent to ERNI facilities in accordance with IMDS recommendation 001

- A new customer part number requires a new MDS ID unless you are informed otherwise.
- The same customer part number with updated content requires a new MDS version (same IMDS ID, higher version number).

## Send the MDS

Always utilize the send function of IMDS when submitting MDSs, so the integrity of MDS versions according to change managements throughout the product life cycle can be ensured. Propose may only be utilized for products supplied to more than just one Customer or if specifically required by ERNI.

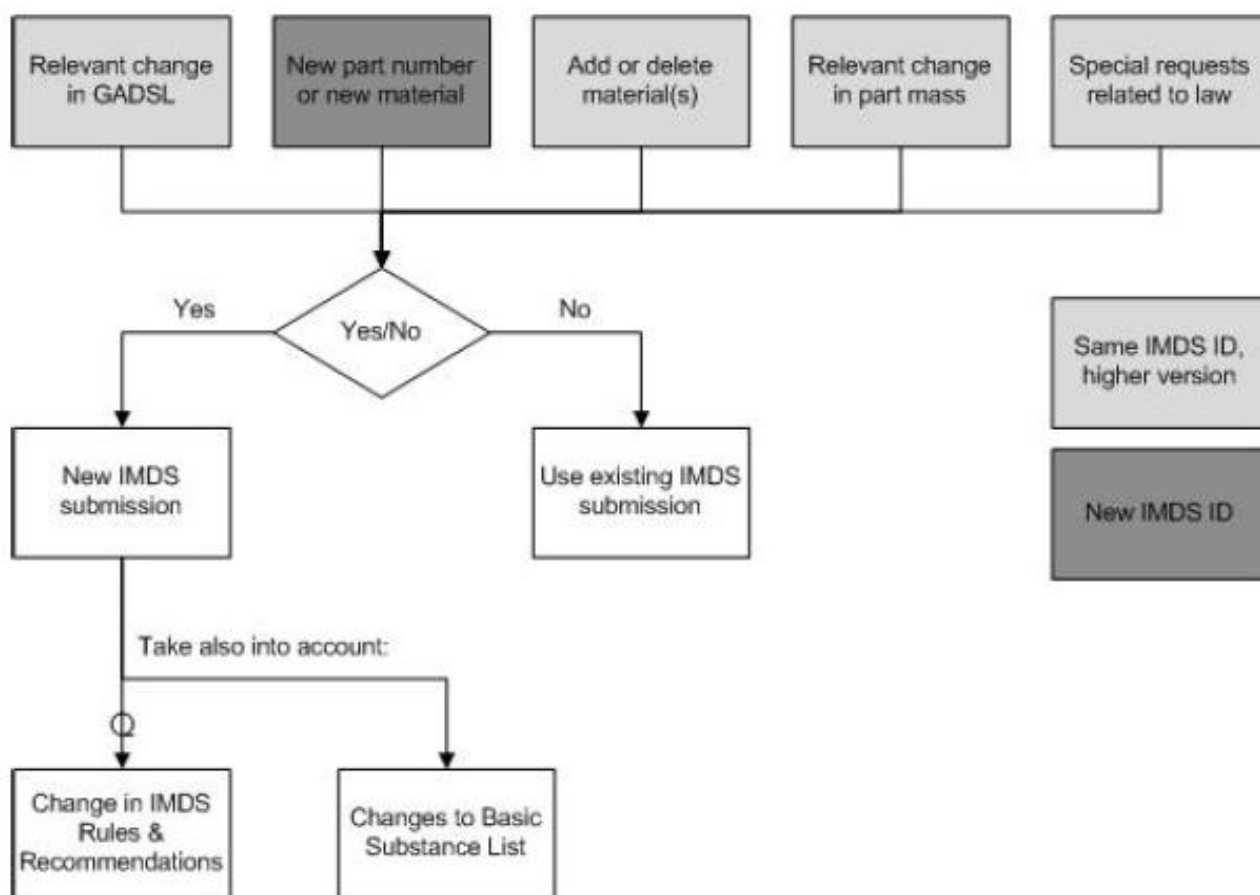


Image: IMDS recommendation 001

### 5.3. Special IMDS requests

#### 5.3.1. Special MDS requests

Special MDS requests are for example based on MDS requests of ERNI customers, other than declarations in the context of initial sampling or Preliminary MDS. For instance, these requests are done for very old parts (even before IMDS was founded), which have not been reported yet. ERNI will check the appropriateness of these requests, before involving the suppliers. The suppliers are required to actively support special MDS requests of ERNI customers.

#### 5.3.2. Chemistry Manager requests

The Chemistry Manager function allows any downstream user to request material specific information upstream in the supply chain. These requests should be handled by specific persons solely, which must be carefully selected and assigned by the suppliers. ERNI reserves the right to send out Chemistry Manager requests.

#### 5.3.3. CAMDS / CDX / BOMcheck

Material compliance reporting may also be required in the other system such as CAMDSsystem, CDX, BOcheck. Parts and materials that are used in automotive industry but as well as other industries are to be allowed to be transferred and used in these systems.

## 6. List of Supporting Documents

- GADSL ([www.gadsl.org](http://www.gadsl.org))
- IMDS rules and recommendations
- Customer specific IMDS requirements
- IMDS terms of use

## 7. Additional Information

- GADSL (Global Automotive Declarable Substance List; <http://www.gadsl.org>)
- IMDS User Manual
- IMDS Recommendations (001 to 019)
- ISO 1043 (Plastics – Symbols and abbreviated terms)
- ISO 1629 (Rubbers and lattices – Nomenclature)
- ISO 18064 (Thermoplastic elastomers – Nomenclature and abbreviated terms)
- VDA Vol. 2 (Quality management in the automotive industry – Quality assurance of supplies)



## 8. Attachments / Anhänge

### 8.1. List of ERNI Group IMDS organization units

Company	Org. ID
ERNI Group	146273
ERNI Electronics GmbH & Co. KG	229640
ERNI Electronics (Thailand) Co., Ltd.	229636
ERNI Electronics (US) Inc.	229644
ERNI Electronics (Shanghai) Co., Ltd	229642

### 8.2. Recipient Specific Data

**Details**

▼ **Transfer Information**

Company

Organisation unit

Recip. Status edit mode

Supplier Code  ?

Name

Part/Item No.  ?

Transmission/Check Date not available

Forwarding allowed

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▼ **Drawing**

Drawing No.

Drawing dated  insert Part revision number, without date. e.g.: 001

Drawing Change Level  ?

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▼ **Purchase Order**

Purchase Order No.

Bill of Delivery No.

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▼ **Report**

Report No.

Date of Report  ?

**Legend:**

Mandatory field

Optional field