

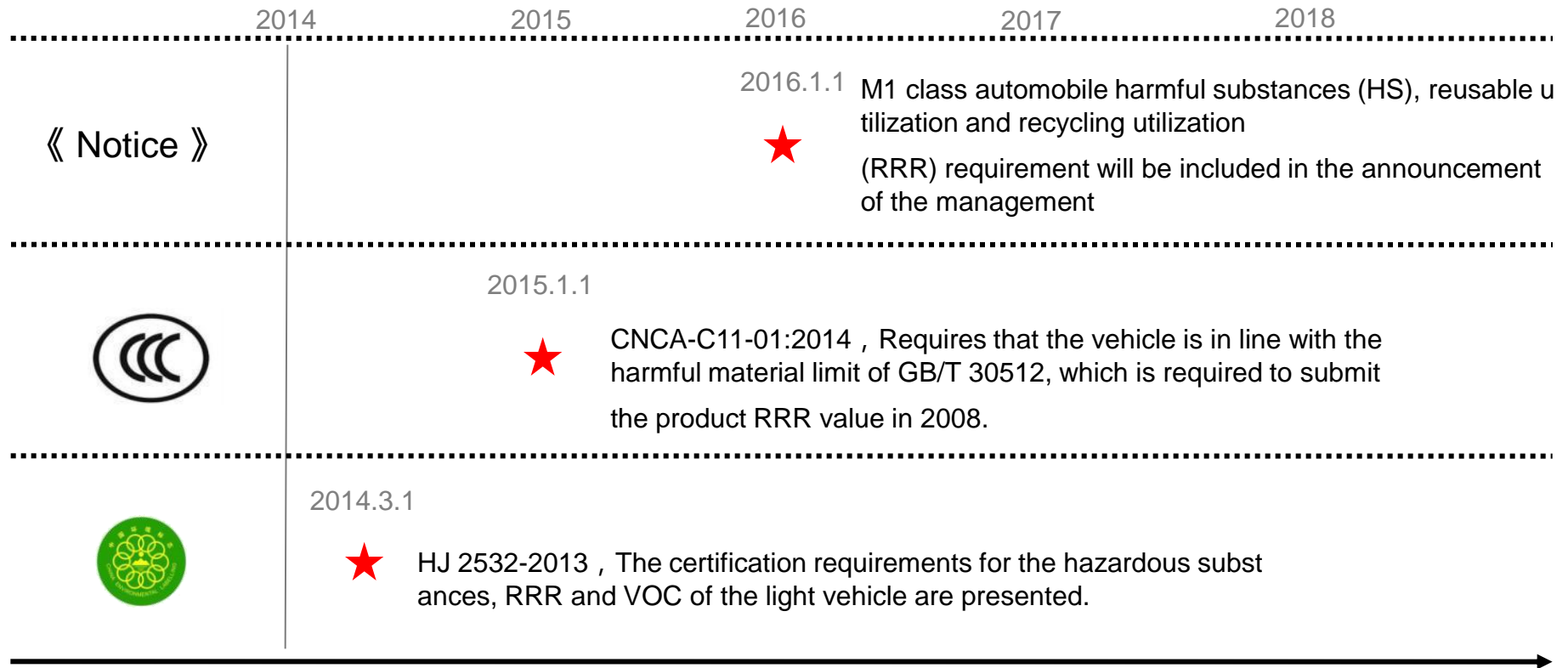
# Intelligent Data Conversion Tool ( I2-CAMDS )

To build efficient, fast and convenient platform  
for the material data conversion

<b>1</b>	<b>Development background</b>
<b>2</b>	<b>The difficulties faced by enterprises</b>
<b>3</b>	<b>Functional features</b>
<b>4</b>	<b>The working process</b>
<b>5</b>	<b>Conversion example</b>
<b>6</b>	<b>Service mode</b>
<b>7</b>	<b>Customer groups and use process</b>

# Development background

- ◇ ELV domestic laws and regulations have been enacted, automobile enterprises must complete materials data collection which based on industrial chain, in order to meet regulatory requirements.



# The difficulties faced by enterprises

## **The host factory has a large number of material data sheets need to be transformed**

For domestic OEM, due to the different parts import or supplier, there are a large number of material data sheets need to be converted from xMDS to CAMDS system.

1

## **Repeated input information redundancy caused by suppliers**

For suppliers (especially joint venture), in order to comply with the requirements of different host plants, the IMDS system is required to be in the CAMDS system, and to the host plant.

2

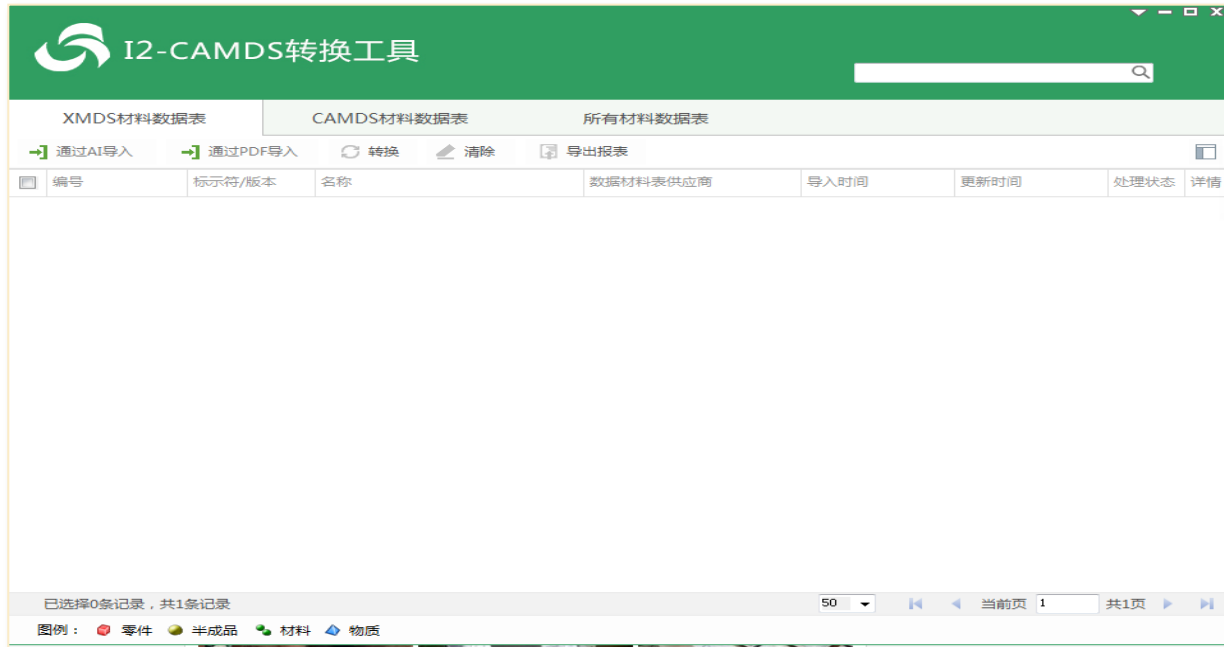
## **Different systems lead to huge data matching, resulting in the cost of waste**

Due to the different basic data of CAMDS/IMDS system (such as substance, material, laws and regulations, etc.), need to spend a lot of work in data matching and transformation (according to statistics, the average 300 node material data table conversion need to use more than 3 hours or more).

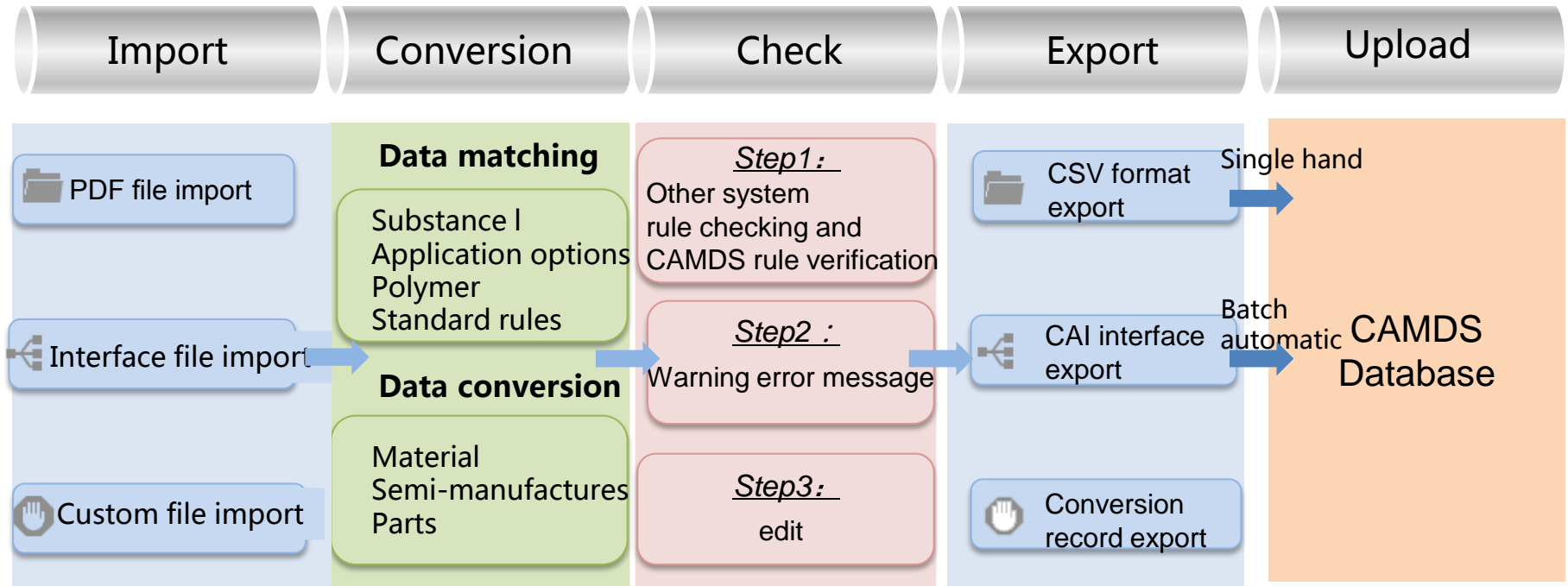
3

**Problems faced by data collection and acquisition of automobile enterprises**

- ◆ Intelligence to CAMDS tool ( I2-CAMDS) is the China automotive technology research center and the third party software to develop different system intelligent material data conversion tools
- ◆ I2-CAMDS achieves conversion between other material data system (xMDS) data and CAMDS.



# The working process



**Improve  
efficiency**



**Automatic conversion, interface  
diversity, improve work efficiency**

- Basic data matching compliance
- Matching rule compliance
- Compliance of verification rules

**Reduce  
cost**



**Simple operation, accurate  
processing, reduce business costs**

- MDS data intelligent automatic conversion
- Batch processing mechanism automatically
- Conversion interface diversity

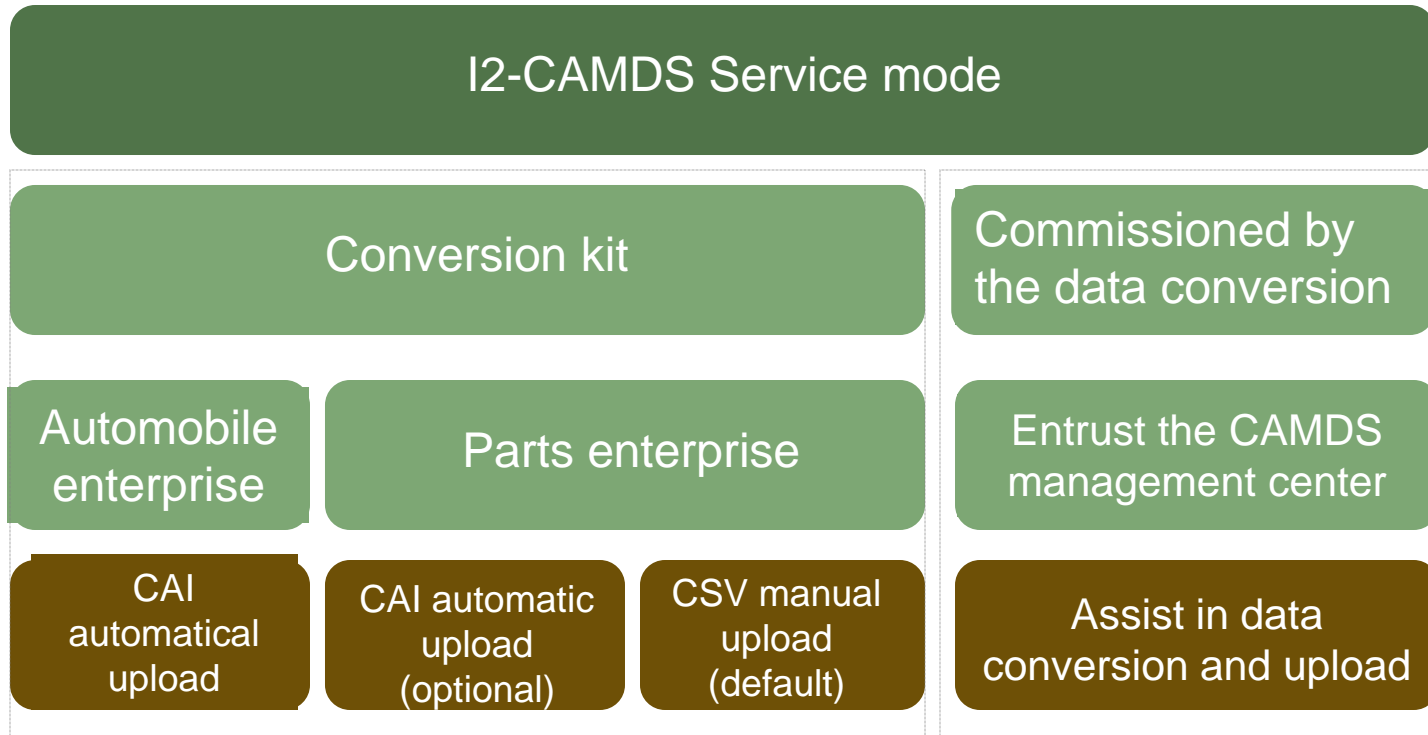


**Meet  
regulations**

**Rule compliance, compliance  
with regulations**

- MDS data conversion fast, high accuracy
- Automatic update of basic data
- Out-of-the-box, easy to implement, easy to maintain

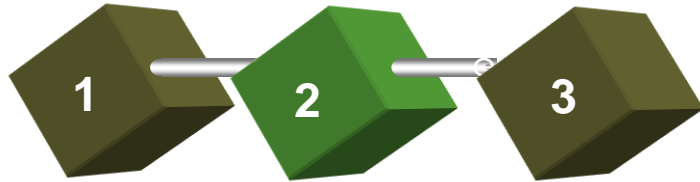
- ◆ I2-CAMDS tools provide flexible service mode, mainly including the conversion kit and material data conversion service





# Customer groups and use process

## ■ Customer groups



Use  
xMDS  
system for  
domestic  
OEM

Foreign /  
joint  
venture  
supplier

Other  
enterprises  
for  
customized  
data  
conversion  
needs

## ■ Use process

### Conversion kit

1、Apply CAMDS valid  
account

2、Sign 《Conversion tools  
use agreement》

3、Get the installation  
package and user manual  
etc

4、Conversion tools License  
and CAMDS account  
authorization

5、The feedback of use and  
technical support

### Commissioned by the data conversion

1、Apply CAMDS valid  
account

2、Sign 《Enterprise material  
data conversion service and  
confidentiality agreement 》

3、Conversion data  
inspection and acceptance



# THANKS



## 中国汽车技术研究中心

China Automotive Technology & Research Center

Automotive Data Center

联系方式

Add : No.68, East Xianfeng Road,  
Dongli District, Tianjin

Tel : 022-84379889

Email : [camds@catarc.ac.cn](mailto:camds@catarc.ac.cn)

Post code : 300300

Fax : 022-84379766

Website: [www.camds.org](http://www.camds.org)