

### OVERVIEW

Odette is officially recognised as a code Issuing organisation within two of the most relevant and influential ISO standards in the area of unique identification:

- ISO 15459 – Information Technology – Unique Identifiers (Parts 1 – 6)
- ISO 6523 – Data Interchange – Structures for the identification of organisations (Parts 1 & 2)

The Odette ID, recognised by both of the above standards, consists of 4 alphanumeric characters which will be used to identify main business organisational units (legal companies and individual business units).

There is also the possibility (recognised by ISO 6523) to add a 2 character alphanumeric suffix to the main 4 character code in order to identify sub-entities. Odette will use this suffix to allow companies to register individual codes for sub-organisations (e.g. receiving locations, loading docks, purchasing department, invoicing function, etc.) within their main business organisations.

It therefore provides two key services:

- 1) An **issuing agency service** for the unique identification of business organisations
- 2) An **information service** which allows access to detailed and up to date information about the organisations of registered entities

The Odette ID service offers the following key benefits:

- Tailor-made for the automotive industry
- Provision of worldwide unique IDs in line with ISO standards
- Run by the automotive industry

The Odette ID service offers 2 types of codes:

- The **OSCAR code** for use in:
  - AutoID
    - Consignment ID (Licence Plate)
    - Asset ID (e.g. Containers)
    - Product ID (Parts Marking)
  - EDI messaging
    - Technical Partner ID (Sender/Receiver)
    - Business process related Party ID (NAD ID)
- The **OFTP code** for use in:
  - File transfer station identification

The Odette ID service is an easy to use web-based application which provides unique identification and, together with the corresponding Odette recommendations and guidelines, overcomes the deficiencies of other coding schemes.

The combination of user-driven Odette recommendations and an easy to use cost efficient service provides a major benefit to the automotive industry.

The introduction of the Odette ID does not require an immediate change of legacy systems in companies. It can be applied in areas where the need is most urgent (e.g. returnable container identification) and then extended to other applications as required.

## APPLICATIONS OF THE OSCAR CODE

### PARTS MARKING

Traceability of parts for safety and warranty reasons is an essential requirement in the automotive industry. It requires the *identification of the manufacturer* of the part since there are many situations where the same part is being supplied by different manufacturers. It must be possible to identify the manufacturer for the whole lifespan of the car.

#### **Advantage for the supplier:**

An Odette ID provides a unique code that identifies the manufacturer of the part towards all customers.

#### **Advantage for the customer:**

The customer does not have to set up and maintain its own coding system. Once the business processes are set-up to recognise an Odette ID, any number of suppliers can be handled without additional administrative effort. Another benefit that can be achieved – together with other means – is an improved and harmonized methodology for anti-counterfeiting.

### CONTAINER MARKING

Returnable Transport Items (RTI) are widely used in the automotive industry. There are OEMs, suppliers and external service providers involved in the process and they may all be owners of RTI circulating in the supply chain. Identification of the owner of the RTI is necessary for the overall administration of the process, inventory maintenance, invoicing and accounting and of course for returning the RTI to their owner.

Today these processes are rather non-transparent and require a high manual effort with “friction” losses. Using machine readable codes (e.g. RFID), the inventory update procedures can be automated. The increased transparency leads to reduced costs and higher flexibility in the supply chain.

**SHIPPING LABELS**

Complex transport processes, increased security requirements and specific customs procedures for international shipments require unique serial shipping labels. They must contain the ID of the sender (shipper) and it has to be possible to resolve this ID from any place in the world. The Odette ID service provides the necessary infrastructure for querying and resolving the sender.

Example:

Odette Licence Plate for Transport Label

Odette		OSCAR Code from Odette ID service						Serial Number								
		Main entity				Sub-entity										
0	D	A	0	1	2	0	1	1	2	3	4	5	6	7	8	9

**IDENTIFICATION OF PLACES OF DISCHARGE / UNLOADING POINTS**

In the automotive supply chain the unloading point is usually identified as a combination of customer number, plant ID and location ID. If any of those numbers is missing on a document, the identification is impossible.

For a third party service provider the situation is even more difficult: since the customer number is assigned by the supplier, the service provider must be able to resolve different numbers assigned to the same customer.

With the Odette ID service, only one ID is necessary. The same location has always the same ID and can be resolved easily.

**IDENTIFICATION FOR DATA TRANSMISSION - EDI**

Beside the technical identification (physical sender and receiver) in EDI messages it is necessary to identify the logical sender and receiver. They may be different: physical sender / receiver may be a third party service provider whereas the logical sender and receiver are the supplier and the customer. Also in large enterprises there might be several business units, plants etc. and all of them use the same centralised server for data transmission. The Odette ID fits perfectly into this situation since it can be used also to assign individual codes to these business entities.

ISO ID				Odette ID					
0	1	7	7	A	0	0	8	2	3

Notes:

The ID follows the specification of ISO 6523.

**0177 (ISO ID):** The ISO ID identifies the assigning organisation. Odette is registered at ISO as code / identifier issuing organisation with the ID 0177.

**A008:** The ID assigned by the service.

APPLICATION OF THE OFTP CODE

IDENTIFICATION FOR DATA TRANSMISSION – FILE TRANSFER (OFTP2)

OFTP2 is the most widely used transfer protocol in the automotive industry. Sender and receiver stations use special IDs (SSID) to mutually identify the systems and to start a transmission session.

ISO ID					OFTP code from the Odette ID service <sup>1</sup>				Sub address					
0	0	1	7	7	X	0	0	8	0	0	0	0	0	0

**00177 (ISO ID):** The ISO ID identifies the assigning organisation. Odette is registered at ISO as code / identifier issuing organisation with the ID 0177. The leading character 0 identifies the whole ID as an OFTP identifier.

**X008:** The ID assigned by the service.

**000000 (Sub address):** The internal sub-address or system name (e.g. “PLUTO1”). If no sub address is used or necessary, use 6 zeros.

FREQUENTLY ASKED QUESTIONS

WHAT IS THE ODETTE ID SERVICE?

It is a web-based application that allocates and issues Odette IDs (OSCAR codes and OFTP codes) to various types of business entities. A full data set is associated with each code so that registered users of the service can easily discover the details of a business entity represented by a code and vice versa. Third parties can also query a code, but with limited functionality: only the name of the legal entity is displayed in this case.

The design of the Odette ID service is flexible enough to assign codes to legal entities, (non-legal) business units, logistics locations, administrative departments and technical devices such as computer systems and communication stations.

<sup>1</sup> The previous format (0000000000XXXX) was changed to XXXX in November 2014 to allow usage in ANSI X12 where data field lengths are more restricted.

The Odette ID service provides the platform for a comprehensive, industry wide database of business partners (e.g. manufacturers, suppliers, service providers).

Whenever you need to identify your business or specific parts of it in a way that can be uniquely recognised by your business partners (and within the whole supply chain) the Odette ID system OSCAR is the right choice.

### IS ODETTE ONLY OFFERING CODES FOR LEGAL ENTITIES?

No, the Odette system goes way beyond legal entities. The need for identification does not stop at the level of a legal entity. Large companies are often split into several production plants, warehouses, local sales operations etc. Each of these entities may have to be identified either for logistics or communication processes or for providing a comprehensive picture of the company in a supplier data base. The Odette ID provides the flexibility to assign codes to any unit – i.e. **business entity** - within the legal entity. This allows the use of the same coding system in different environments such as accounting, partner identification and supplier database, as well as asset identification, consignment labelling, parts marking and B2B communication.

### IF I USE AN ODETTE ID DO I HAVE TO SCRAP MY EXISTING CODING SCHEME?

No, you don't have to give up your current coding scheme. You can use Odette IDs for dedicated purposes / emerging processes at first and the Odette ID will co-exist with your existing coding schemes. There is of course the opportunity to migrate other application areas to the Odette ID to simplify your own administrative processes and to reduce the effort for your business partners.

### WHAT IS SO SPECIAL ABOUT THE ODETTE ID SERVICE?

- The Odette ID is the best answer for the growing need for unique identification in the automotive industry.
- Odette IDs fit perfectly with the logistics and data interchange framework in the automotive industry.
- The Odette ID scheme has been designed for all types of unique identification such as OFTP based file transfers, EDI messages, labelling and RFID.
- The administration around the Odette ID service is extremely lean, being based on a web interface for allocation, maintenance and queries.
- Users can maintain their own data immediately according to the dynamics of their company organisation.

### IS AN ODETTE ID RECOGNISED WORLDWIDE?

Odette is officially recognised as a Code Issuing Agency within two of the most relevant and influential ISO standards in the area of unique identification: ISO 15459 – Information Technology –

Unique Identifiers(Parts 1 – 6) and ISO 6523 – Data Interchange – Structures for the identification of organisations (Parts 1 & 2).

Therefore the Odette ID is recognized worldwide.

### CAN ANY COMPANY APPLY FOR AN ODETTE ID, EVEN IF THEY ARE NOT IN THE AUTOMOTIVE SECTOR?

**YES!** The Odette ID service is neither limited to the automotive industry nor to the region of Europe. Although the business requirements of the European automotive industry have been the drivers for the Odette ID service development, the system is open to other regions and industries as well. It is very likely that the requirements of other supply chains are identical or similar to those that formed the basis of the service.

### CAN I USE ODETTE IDS WITH OFTP2?

Yes, you can. The OFTP2 protocol contains a specific requirement for identification with an organisation code and computer sub-address. Even if older coding systems still work, the advantage with the Odette ID service is that there is now one totally unique and consistent coding scheme.

### CAN I USE ODETTE IDS FOR LABELLING?

Yes, you can. If you use the Global Transport Label (GTL) you will find that there is a specific facility called the Licence Plate, which is the globally unique ID for a single package. The main component in this Licence Plate is the Odette ID.

### CAN I USE ODETTE IDS FOR RFID?

Yes, you can. Each RFID tag must carry a unique identification of the object that is linked to the tag. The main component in this code is the Odette ID.

### CAN I USE ODETTE IDS IN ELECTRONIC MESSAGING SUCH AS EDI DATA EXCHANGE?

Yes, you can. Beside the technical identification (physical sender and receiver) in EDI messages it is necessary to identify the logical sender and receiver. They may be different: physical sender/receiver may be a third party service provider whereas the logical sender and receiver are the supplier and the customer. Also in large enterprises there might be several business units, plants etc. and all of them use the same centralised OFTP station for data transmission. The Odette ID fits perfectly into this situation since it can also be used to assign individual codes to these business units.

### HOW DO I OBTAIN AN ODETTE ID?

You can obtain an Odette ID on-line at [www.odettesecure.com](http://www.odettesecure.com)

## I WANT TO IMPLEMENT OFTP2. WHAT ELSE DO I NEED BESIDE AN ODETTE ID?

If you want to use OFTP2 over the internet you will need a digital certificate to secure the data exchange. You may obtain a certificate from [www.odettesecure.com](http://www.odettesecure.com). If you buy an Odette ID, you can obtain a discount of E180 (equivalent to 1 year) discount on the cost of an Odette Digital Certificate.

## I WANT TO IDENTIFY MY OFTP2 STATION ONLY. WHAT DO I HAVE TO DO?

You will have to:

- [register yourself as a user](#)
- [order an OFTP code](#)
- [register the data set.](#)

Once the code is assigned (e.g. X00A) you can build your SSID:

ISO ID					OFTP code from the OSCAR System				Sub address					
0	0	1	7	7	X	0	0	A	0	0	0	0	0	0