Vad gör Odette Sweden inom RFID? Vilken är kopplingen mellan RFID och Odette-konceptet?

Odette Sweden RFID project. What are the links between RFID and Odette standards/recommendations?

Sten Lindgren, Odette Sweden
Odette Sweden RFID Project team

Created in the end of 2004

Main scope:

- Learning together
- Promote usage of RFID
- Exchange of information on pilot projects
- Participation in national R & D projects at universities
- Link to and part of European and global activity through Odette International
- Overview of legal and regulatory issues in contact with regulatory agencies
Odette Sweden RFID Project team members

Daniel Hellström, Lund University
Håkan Erntell, SKF
Lars Åkesson, Volvo Car IT
Mats Boll, Volvo Logistics
Mattias Axelsson, SKF
Peter Wallengren, Volvo Car Corporation
Stefan Jennersjö, Scania
Stefan Karls, Strålfors
Sten Lindgren, Odette Sweden
Stina Apel, Volvo Technology
Links between RFID and Odette standards/recommendations?

Odette Auto Id standards/recommendations cover:

**Applications**
Label design, label content, label size, functionality, etc

**Data content**
Data Identifiers, data elements, data carriers (symbologies), etc

**Quality**
References to standards on quality requirements on printing, symbols, printing material, error correction level, etc
Odette Auto Id standards/recommendations

**Odette Transport Label V1 and V3**
- V1 since nearly 20 years, very much used
- V3 is a minor update that was done recently to add information from new message versions

**Global Transport Label**
- This was published in 2003 but it is not used very much (yet)
- Introduces ”License Plate”

**In pipeline**
- New Odette recommendation on Traceability and Product Identification
- Several variants of GTL, like Odette Sweden DTL (Distribution Transport Label)
Links between RFID and Odette standards/recommendations?

Odette Transport Label

Global Transport Label

What's new: License Plate
Possibility to use 2D symbologies
New linear symbology, Code 128
Odette has made a draft recommendation for Traceability and Product Identification:

<table>
<thead>
<tr>
<th>Alternative 1</th>
<th>Marking with a unique serial number for a single part or a unique batch/lot number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Component part documentation</td>
<td></td>
</tr>
<tr>
<td>Alternative 2</td>
<td>License plate on the packaging or container</td>
</tr>
<tr>
<td>Package documentation</td>
<td></td>
</tr>
<tr>
<td>Alternative 3</td>
<td>Assigning shipment note number on shipment note document</td>
</tr>
<tr>
<td>Shipment note documentation</td>
<td></td>
</tr>
</tbody>
</table>

Product Identification using 2D
Examples of expected future usage of "new" Auto Id in automotive

<table>
<thead>
<tr>
<th></th>
<th>Code 128</th>
<th>2D symbol</th>
<th>RFID</th>
</tr>
</thead>
<tbody>
<tr>
<td>License Plate</td>
<td>x</td>
<td></td>
<td>x</td>
</tr>
<tr>
<td>Unique product identification</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
</tbody>
</table>

Some issues
Data content should be the same independant of data carrier
Selection of Issuing Agency for company codes
Odette International is preparing the creation of a RFID Project team
At present there is RFID activity in Germany and Sweden

**Expected scope**
- Standardisation, incl information content
- Legal requirements on RFID
- Exchange of information on implementation projects
- Part of global automotive network on RFID (coordination meeting with AIAG on April 12)