

# ECG-Odette joint projects

Rob Exell, Odette

# What is Odette?

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- ❑ Not-for-profit, pan-European automotive supply chain collaboration platform:
  - Industry driven – our members are **automotive OEMs** and **automotive suppliers**
  - bringing together **supply chain professionals** and **IT experts** to develop **consensus solutions to common problems**
  - focused on developing **standard tools** and **best practice recommendations** for the **entire automotive supply chain**
  
- ❑ Our motto:
  - *No effective Digitalisation without Standardisation*

# Odette Co-operations

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- ❑ **Global co-operation with other supply chain organisations** to develop global solutions;
  - Founding member of the Joint Automotive Industry Forum (**JAIF**) with **AIAG** (North America) and **JAMA /JAPIA** (Japan)
  - Working with **Automotive IT providers** to ensure incorporation of Odette standards in supply chain software
  - Partnerships with **training organisations** in key markets to ensure the diffusion of Odette recommendations
  
- ❑ **Cross industry co-operations with:**
  - Standardization bodies (**UN/CEFACT, CEN, ISO**)
  - Industry associations (**ECG – European Vehicle Logistics Association**)

# Digital FVL messages

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## □ Background

- Joint ECG/Odette/VDA initiative to develop a set of standard digital messages supporting communication across all Finished Vehicle Logistics processes.

## □ Objective

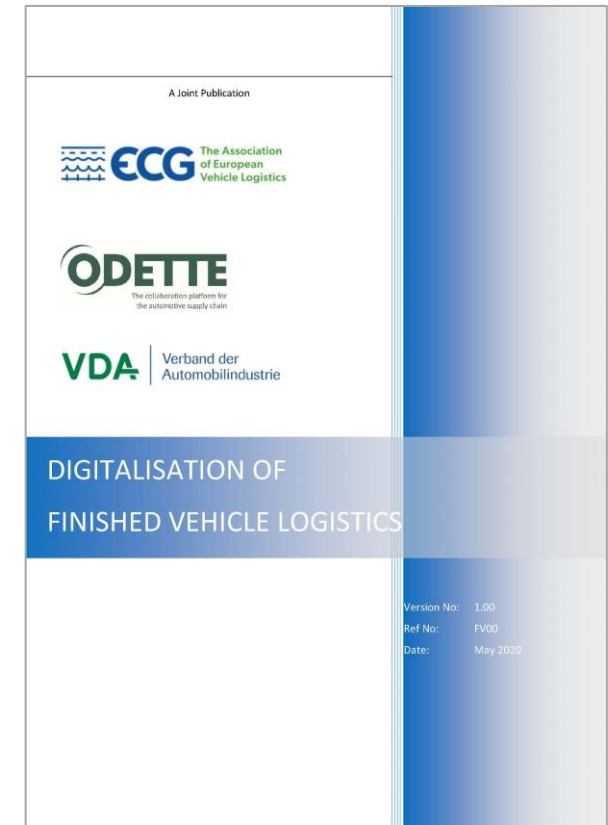
- allow vehicle manufacturers (OEMs) and Finished Vehicle Logistics Service Providers (LSPs) to communicate with each other in a more efficient way.
- avoid a proliferation of many different message types across the finished vehicle supply chain, reducing IT development costs for individual companies.

## □ Participants

- OEMs and LSPs working together to develop these messages have included Antwerp Euroterminal, AFG, Audi, Avtologistika, BLG, BMW, Daimler, DB Cargo Logistics, Ford, GEFECO, Grimaldi Group, Groupe CAT, Mosolf, Neptune Lines, NVD, Porsche, Stellantis, Renault-Nissan-Mitsubishi, UECC, Volvo Cars, Volvo Group and Volkswagen
- Supported by technology providers Fracht SIA, ICL Systems Inc, Inform GmbH, LABAL and ProAct International, with full technical expertise being supplied by GEFEG.

# Digital FVL messages

- ❑ Recommendation includes process description and information model with 12 digital messages developed in EDIFACT and XML formats to provide alternative electronic communication solutions.
- ❑ The messages cover the following business processes:
  - Transport Forecast
  - Transport Order
  - Service Order
  - Transport Status Reporting
  - Vehicle Status Reporting
  - Inventory Reporting
  - Damage Reporting
  - Compound Geofence Mapping



# Digital FVL messages

## □ Update

- Further consideration by Volkswagen, BMW and Renault has resulted in several change requests to various messages
- Version 2 of Recommendation currently being worked on by VDA and Odette

## □ Implementation

- Volkswagen has already started implementation
- BMW, Renault and Stellantis also investigating

**The success of the project has encouraged further joint initiatives between the associations**



# KPIs for Finished Vehicle Logistics

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## ❑ Background

- Project launched April 2021, led by Odette and co-ordinated by ECG
- Odette have previously developed KPIs for inbound, while ECG brought their experience with outbound

## ❑ Objectives

- Avoid the need for FV LSPs to manage KPIs from different customers which measure their performance on the same process in a different way, allowing the LSPs to assess their performance more easily across their whole customer base
- Provide a standard benchmark against which all actors in the FVL process can attempt to improve their performance.

## ❑ Work plan

- Presentation of existing FVL indicators by OEMs
- Identification of common ground between them
- Development of definition and methodology for core indicators
- Preparation of draft document
- Get views of LSPs
- Finalise Recommendation

# KPIs for Finished Vehicle Logistics

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## ❑ OEM members

- JLR, Mercedes-Benz, Renault, Stellantis, Volvo Cars

## ❑ LSP members

- Assistor-Uuterra, Graglia, Grimaldi, Groupe CAT, ICO, Lagermax, Mosolf, Neptune Lines, Noatum Terminals, PTL, UECC, United Transline

### ❑ Core Key Performance Indicators

1. Plant evacuation
2. Time to port of exit/compound
3. Lead time achievement ratio
4. Dwell at port of exit
5. Shipping lead time
6. Dealer/market delivery time
7. Damage ratio
8. Event Reporting – Completeness
9. Event Reporting - Timeliness

These KPIs are applied in a similar fashion by most OEMs and they can be linked to a single LSP



# KPIs for Finished Vehicle Logistics

## □ Project results

- Recommendation published this week

## □ Next steps

- Monitor implementation
- Encourage feedback
- Revise if necessary



# Standard label for Finished Vehicle Logistics

## □ Background

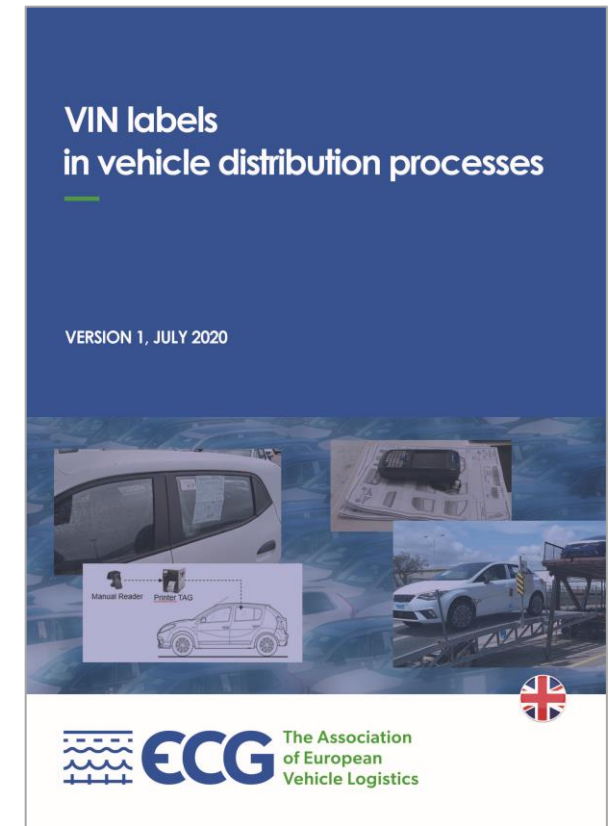
- In 2020, ECG group led by Katia Makarytcheva (Stellantis) produced a recommendation on VIN labels in vehicle distribution processes

## □ Purpose of new project with Odette since June 2021

- Further develop the ECG document into a more prescriptive standard for a FVL label in the distribution chain including the 17-digit VIN number and other essential information

## □ Working plan of the group

- Collect LSP requirements
- Involve OEMs in the discussions
- Prepare draft recommendation
- Distribute for comment
- Update if necessary
- Publish



# Standard label for Finished Vehicle Logistics

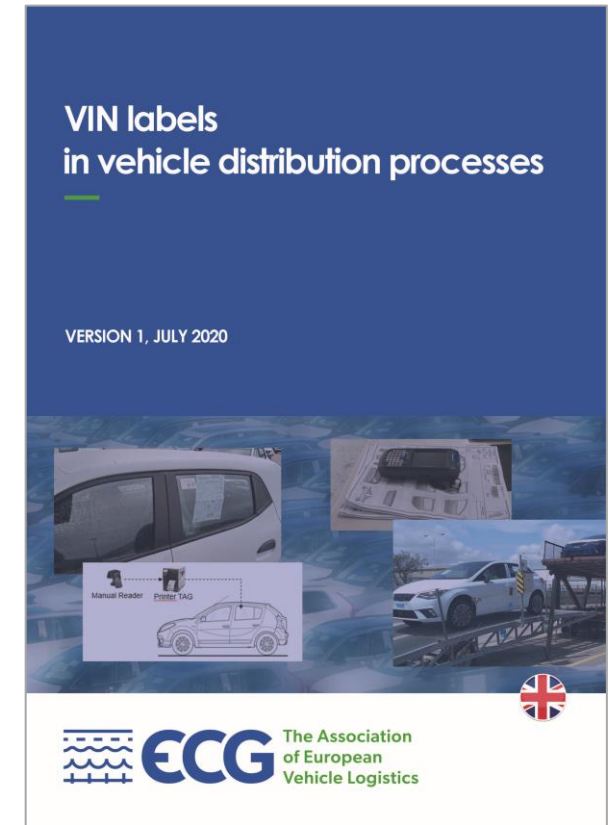
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## ❑ LSP members

- AET, GEFCO, Grimaldi, Groupe CAT, ICO Terminals, Lagermax, Neptune Lines, Noatum Automotive, Port of Barcelona, Suardiaz Lines, Wallenius Wilhelmsen

## ❑ OEM members

- Ford, JLR, Renault, Stellantis, Tesla, Toyota, Volvo Cars




# Standard label for Finished Vehicle Logistics


- ❑ Best position of label confirmed as being rear left window
  - Fixed on outside of window
- ❑ RFID was not interesting for the participants – smart label not taken up
- ❑ 2D barcode (QR) was felt to be more useful and efficient than 1D barcode
  - Some OEMs already exclusively using this and several LSPs also in favour of 2D codes
- ❑ Other information on the label
  - Weight
  - Market
- ❑ Fuel type was also discussed but was not included as we are expecting that European legislation might require vehicle fuel type to be labelled for maritime transport

FVL VIN LABEL (EXAMPLE)

**VF3ABCDE123456789**



Issue date:	2022-04-20
Production date:	2022-04-19
Gate out date:	2022-04-19
Delivery due date:	2022-04-30
Priority:	HIGH
Plant:	123
Shipping agent:	FLOTTE LOTTE
Importer:	ABC CARS OSLO
Distributor:	ABC CARS OUTLET 3
Engine number:	SN1234567890
Body number:	654321
Suspension type:	AIR
Weight:	1500



# Standard label for Finished Vehicle Logistics

## □ Next steps

- Issue draft recommendation – June
- Obtain feedback – by end July
- Reconvene project group to finalise recommendation – early September
- Publish – end-September

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# In the pipeline

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## **Joint ECG-Odette-VDA project on Emissions Calculation and Reporting**

But I leave Daniele Saba to talk about the Emissions issue

# ECG-Odette joint projects

Any questions?