New project for:

message specification for ro-ro cargo

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Introducing the port of Barcelona

- Port of Barcelona is located in Catalonia, one of the most dynamic zones from the South of Europe.

- The Port operated 43 million freight tones, 1.8 million TEU’s, **670,000 vehicles**, 7,757 vessels and 3.4 million passengers for the year 2012.

- Nowadays the Port is connected with 850 ports all around the globe by 113 regular transport lines.

- Port of Barcelona wants to offer a multimodal approach to its users, including sea, road and rail in its EDI procedures.
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Definition of messages for management of cargo operated at:

- Car freight terminals (freight cars and static cargo)
- Multipurpose terminals (including ro-ro cargo)
- Short sea terminals (trucks, trailers, freight cars, passengers cars,...)
Gate operations
- Release orders or pre-arrival notice
- Pre-notification message
- Customs clearance information
- Gate-in/gate-out report message
Sea side operations
- Pre-arrival information from car manufacturers (partial unloading list)
- Full unloading list from shipping agents
- Unloading report
- Customs clearance information
Terminal operations:
Stock management
Damage reports
Other value added services:

Pre Delivery Inspection (PDI)
- Job order (with brand proprietary codes, including VINs, billing information and requested service date)
- First communication when the service begins
- Another communication when the service ends

Which EDIFACT messages can be used for those purposes?
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Types of cargo and how they can be identified

**Short Sea Terminals**

- Passenger’s cars
- Trucks with driver
- Roll trailers
- New & Used Automobiles
- Semi-trailers
- Containers
Types of cargo and how they can be identified

Car freight and multipurpose terminals

- New & Used Automobiles
- Semi-trailers
- Tractor heads
- Roll trailers
- Pallets
- Heavy machinery
- Complex cargo *
Information that terminals require (complex cargo)

- VIN or serial number for each piece
- Unitary weight and total weight of the group
- Group dimensions and volume
- Link between the different parts

Is there any DE code for doing that? Or we need a DMR for that?
Cargo and units of transport

- Standardisation of some type and size of units of transport: e.g. trailers according to their length (new codes for DE8155)

Length is one of the key parameters at Short Sea transport.
For freight cars there are other parameters that have to be coded and included in the messages:

- Brand
- Model
- VIN
- Colour
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...and soon: messages will be combined with information from sensors

- LPRs
- Bar code readers
- QR code readers
- RFID tag readers
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Conclusion

- Most of ro-ro messages can be an evolution from container messages
- A close collaboration with SMDG is needed
- New requirements:
  - Links between units of transport and cargo (specially for complex cargo)
  - New codes for units of cargo, …
- What will be the expected deliverables:
  - New messages? ROXXXX?
  - A list of recommendations?
  - Some principle and rules for ro-ro cargo?
Now, we know the requirements…

… and the proposed project has to give us the solution
Thank you