

Telematic WG Use Cases

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Centre d'Études Techniques de l'Équipement
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Background

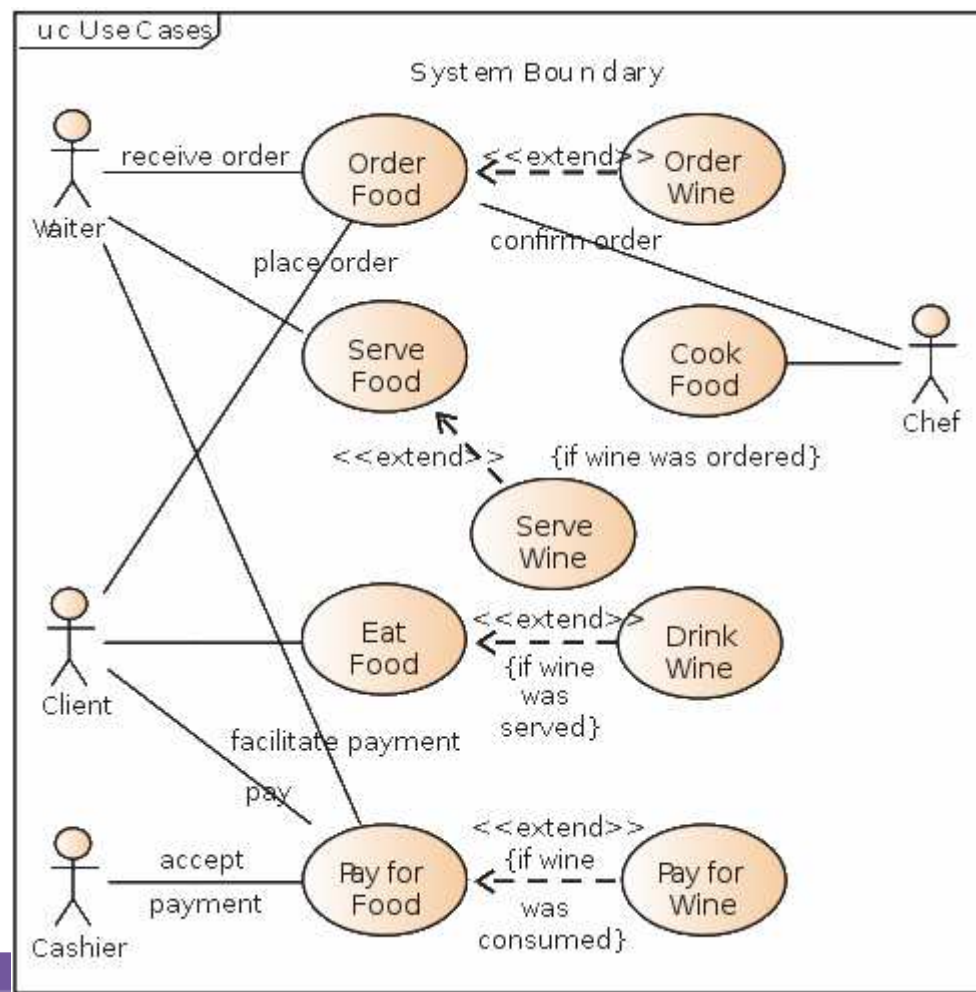
- The Matrix

INFORMATION	WHO IS IT FOR?														WHAT IS IT FOR?	WHEN IS IT NEEDED? 3)	HOW IS IT PROVIDED?	AVAILABILITY		USE OF TELEMATICS			
	Driver / Crew	Shipper/Consignor/ Sender ¹⁾	Freight forwarder	Consignee	Loader	Carrier	Tank-wagon operator	Packer	Filler	Tank-container operator	Infrastructure manager ²⁾	Competent authority	Emergency responders	Enforcement bodies	Public authorities		All information in the transport document under A is necessary before and throughout the journey. This column only indicates particular circumstances where this information needs to be available.		Operational	In case of incident/accident	Technical feasible	Better availability in case of incidents/accidents	Operational advantage

- The Model

What is a use case ?

- A use case is a list of steps, typically defining interactions between a role and a system, to achieve a goal. The actor can be a human or an external system.

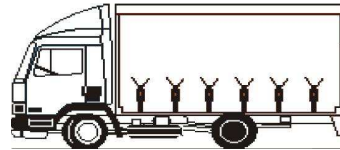
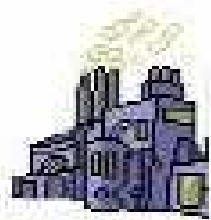
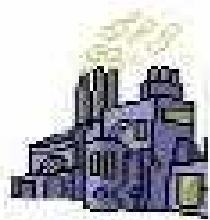


Work done with the matrix

- The matrix say :
 - What ?
 - Who ?
 - When ?
 - For which purpose ?
 - How is it provided ?
- The model describe how the data are defined and organised
- The use cases describe action to know how the data model can be used

Actors

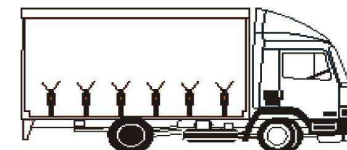
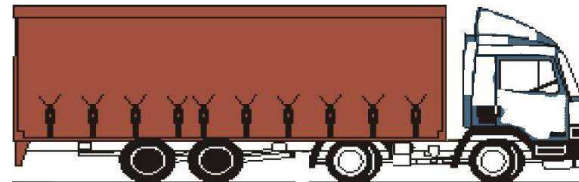
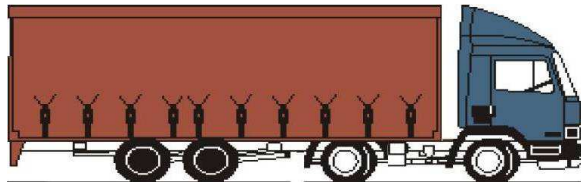
- Driver / Crew
- Shipper/Consignor/ Sender
- Freight forwarder
- Consignee
- Loader
- Carrier
- Tank-Wagon Operator
- Packer
- Filler
- Tank-Container operator
- Infrastructure Manager
- Competent Authority (Road Operator, Tunnel Manufacturer, ...)
- Emergency responder
- Enforcement bodies
- Security bodies
- *Fleet Manager/OBU Operator*
- *Services Providers*



Transport company

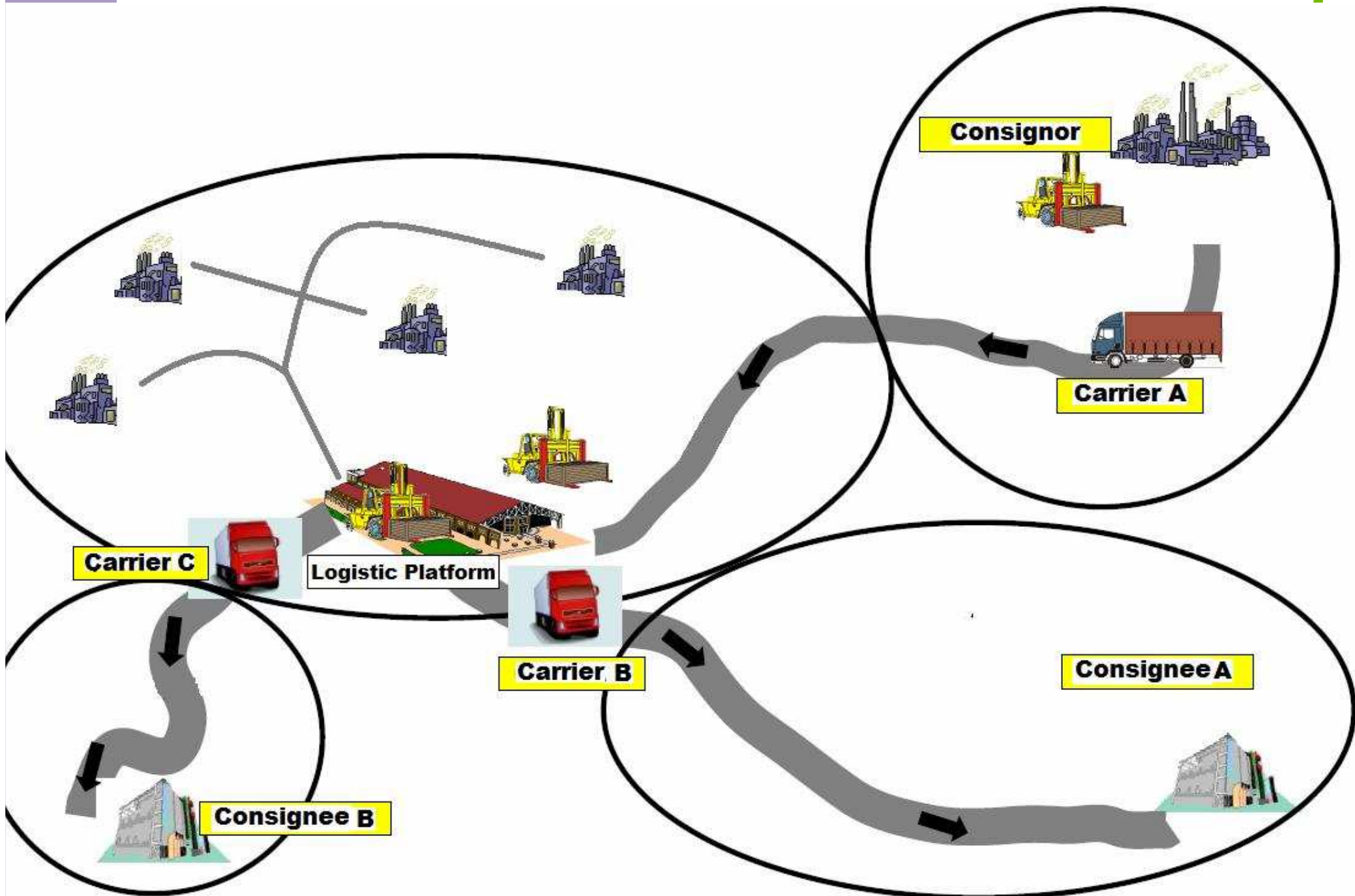


Fleet Management



Carrier use case lessons

- Consignor produces the transport documents at first stage
- One truck can « transport » one or more shipment
- The same shipment can be « on » different trucks along the journey and not at the same time
- Transport company is the one informed of which Vehicle (Truck, wagon, Vessel) is carrying the shipment
- Tracking is related to the on Board Unit
- With high level on board equipment like trailer with connection with the bus can of the truck, information of the vehicle transporting the shipment could be dynamically updated
- Question :
 - If the trailer is equipped with an OBU, do we track the OBU of the trailer or the OBU of the tractor ?
 - If the shipment is packed in a container equipped with an OBU, do we track the OBU of the container or the OBU of the tractor ?



Thank you for your attention



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