



Increasing Quality Demands on Carriers and Ports by the Globalization of Production / Exemplification-Vehicle Shipments

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Abstract

1. Ports as interfaces

- Ports are interfaces between the flow of imports and exports as well as inland transportation and carriage by sea.
- The function of ports as intersections for the flow of goods and information changed fundamentally.
- Carriage by sea and port operations are part of a worldwide supply chain and of just in time processes.
- Pre-carriage, handling activities, shipments and on-carriage form single links of a planned transportation chain.

2. Driving forces that influence demands on logistics service providers

- Increasing consumer requirements, significant cost pressure, globalization of production, high production complexity cause additional challenges to manufacturers.
- Automotive manufacturers' reaction is to demands cost efficiency, reliability, speed, quality and efficient information exchange from service providers.
- Competition between manufacturers is increasingly driven by optimized processes.
- Need of transparency and assignment of responsibilities in order to organize the different forces in the process of planning and procurement of supply chains.
- Continuous improvements of processes are essential for all parties involved.

3. Example of a planning and procurement process

- Diagram of the process (will be attached to the final paper)
- The single steps of the process become obvious.
- This process and all other processes relevant for the accomplishment of a transportation process / supply chain form part of a quality management system. Details of particular processes are to be found in work instructions.
- Shippers' demands can be implemented only if employed service providers produce an auditable quality management system on their part.
- The safe-guarding of the contractual obligations by means of a quality management system is the decisive factor for the assignment of service providers.
- Through globalization the pressure on service providers accelerates.

4. Quality aspects on shipments of fully built up vehicles

- Quality assurance forms part of a quality management system.
- Final customers / consumers don't care were vehicles have been built.
- Quality expectations as per official catalog.
- Majority of vehicles shipped on ro-ro basis, rest in containers.



4.1 Instructions for cargo handling and treatment

4.2 Liability of service providers

4.3 Vehicles in containers

5. Conclusion

- As a result of globalization the interface ship / port becomes more important.
- The globalization requires alterations and continuous changes from ocean and feeder carriers, ports and other service providers in the supply chain in order to survive in the global competitive market.
- In the field of vehicle shipments this means inter alia to be informed constantly about new models and their specifications such as size of vehicle, lashing points etc.
- To perceive new trends and developments in a fast changing environment in time is a decisive factor of success for all participants of a transportation / supply chain.