Transport scenario for the intelligent container

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Abstract: *Beside the theoretical background that was described in the earlier chapters we have developed a scenario to illustrate autonomous cooperation in the field of transportation logistics by a demonstration with reduced scaled model trucks. Our transport scenario shows how cooperating processes could be applied for autonomous and decentralized supervision and control of transports of perishable goods. The scenario includes the definition of transport order and supervision instructions, negotiation with available transport facilities and route planning, configuration of the sensor network, robust external communication by use of multiple networks as well as dynamically re-planning in order to react to transport disturbances like traffic congestions or predicted quality losses of the loaded freight.*