Goal	Test	Delivery
Set up the physical layer by connecting all of the SDN-switches and the SDN-controller in a desired topology such that packets can be routed to and from all nodes of the system.	After setting up the physical layer the cars functionality should remain the same, thus this can be tested in the same way as the first goal for the hardware and software system architecture, by following a cardboard within 30cm using its sonar.	2018-11-13
Choose a SDN-controller that meets the requirements of being able to run on a Raspberry Pi and connect with the Zodiac FX OpenFlow Switches.	The Raspberry Pi should be able to run the chosen software and connect and talk to the SDN-switches in the network.	2018-11-13
Manually assign network flow to preconfigured routes by programming the SDN-switches and the SDN-controller such that packets are guaranteed to take any specifically given route through the network when traveling from node A to node B.	The network should be checked using a debugger or wireshark such that the packages travel the assigned route through the network.	2018-11-13
Monitor the network using the SDN-controller such that network resources can be reassigned at runtime if congestion emerges or behavior changes.	The network should be purposely congested by a node in the network to see that the network drops the extra packages or reassigns resources based on predefined rules.	2018-11-27