

Milestone 1  
Autonomous System Lab A  
By: Qamar Sajjad

Subject: Scenerio for joining new truck to Platoon

For platoon of 3 to 5 autonomous driven trucks, there will be a scenerio for new truck to join the platoon. For instance, we are considering only new truck and leading truck for the operation of this process including a cloud/server for authentication.

When new truck want to join the platoon, It will send request to leading truck for joining. Leading truck process this request and send the request to server for checking the identity. Server then forward this request to identitiy checker for verification. Identity checker will work on this request and send its reply to server/ cloud. Server will forward this responce to leading truck. If the identity of new truck will match with the system and record will found in identity checker then it will allow to new truck to add into the platoon otherwise it will reject the request of joining.

