

topic	msg_type	msg	Description
Subscriptions			
acu_control	std_msgs/msg/String	kill	this message kills the ACU as well as the sends a kill msg to VCU over CAN ID 19
-	std_msgs/msg/String	reset	this message resets the ACU, in case kill msg has been send reset will remove the kill lock from VCU by sending msg over CAN ID 19
-	std_msgs/msg/String	real/simulation	this message sets the ACU, in real OR simulation mode. Default value is real
acu_navigation_geofence	std_msgs/msg/String	{ "geojson": [[lon1, lat1], [lon2, lat2], [lon3, lat3], [lon4, lat4]] }	this topic looks for the stringfyied json
acu_navigation_waypoints	std_msgs/msg/String	{ "waypoints": [[lon1, lat1], [lon2, lat2], [lon3, lat3]] }	this topic looks for the stringfyied json
acu_waypoints_control	std_msgs/msg/String	start	this msg starts the waypoint navigation, it is required to first upload the waypoints and geofence in order to start the waypoint navigation
-	std_msgs/msg/String	stop	this msg stops the waypoint navigation, it also flushes the waypoints data, so it is necessary to upload the data again
acu_user_config	std_msgs/msg/String	<i>msg format described below</i> #	this topic receives the configuration parameters, but will be overwritten by default once you restart the ACU
position_data *	std_msgs/msg/String	{ "heading": float, "latitude": float, "longitude": float }	this topic receives position data in the given format
Publications			
acu_upload_status	std_msgs/msg/String	{ "status": "ok/failed", "type": "upload". "message": "geofence/waypoints (not) updated" }	this message shows the upload status id geofence/waypoints coordinates
waypoints_navigation_status	std_msgs/msg/String	started running successful failed	this message show the waypoint navigation running status (the message will be updated in future versions)
waypoints_navigation_coords	std_msgs/msg/String	{ "heading": float, "latitude": float, "longitude": float }	this message gives the live position status of the vehicle
cmd_vel_out *	geometry_msgs/Twist	<i>msg format described below</i> #	this topic publishes control msg for Gazebo simulation