	Organizational Data			Value-Data					
ID	Туре	Nu mb er	Requirements	Minimum Requirement	Should be Requirement	Wish Requirement	Unit	Justification/Source	Flow down from
			Locomotion Control (LC)						
LC	F	1	The LC shall move the rover as specified by navigation commands	-	-	1	-		S_F_1
LC	F	2	The LC shall steer the rover as specified by navigation commands	-	-	-	ı		S_F_1
LC	s	2	Twist ROS meassage shall be converted to wheel velocities and orientation	-	-	-	ı	Vector Protocoll for four independant wheel drive	
LC	s	3	ros can node that transferes the wheel messages to each of the wheel controllers	-	-	-	1		
LC	s	4	The wheel velocity and orientation shall be PID controled	-	-	1	1		
			Sensors (SN)						
SN	s	3	ROS Camera node publisher	-	-	-	1		SN_F_1, SN_F_2
SN	S	4	The ZED Camera shall be used for stereo vision	-	-	-	1		SN_F_1, SN_F_2
			Odometry (O)						
0	s	2	Ros node for IMU/Odometry sensor publishing	-	-	1	ı		O_F_1
0	s	3	Ros node for encoder feedback publishing	1	-	ı	ı		O_F_1
			On-Board Computer (OBC)						
ОВС	F	1	The OBC shall function as a general unit for managing all subsystems	-	-	1	ı		
ОВС	F	2	The OBC shall provide a communication interface via WLAN to the operator	-	-	-	-		S_F_10
			Software (SW)						
SW	s	1	The main operating System shall be ROS	Kinetic	Melodic	-	-	Kinetic for bigger base, Melodic for continual support	
SW	s	2	All subsystem ROS nodes shall run on the OBC	-	-	-	-		OBC_F_2

sw	s	3	The ROS network shall provide transforms for all sensors and movable parts	-	-	-	-	S_F_9
sw	S	4	ROS node for Gamepad teleoperation	-	-	-	-	S_F_10