Requirement ID	Type	Object Text	Status	Task ID	Review ID
CC_ID_01	Heading	Hardware Switch		1	
CC_ID_02	Definition	The starting of the cruise system begins here, when the hardware input along with the data is set the system enter the cruise control mode.	Proposed	1	
CC_ID_03	Comments	Cruise mode is initialized here.	Proposed	1	
CC_ID_04		1. Fetch the hardware input (Push-Pull Switch) from the user for the initialization of the cruise control.	Proposed	1	
CC_ID_05	Requirements	2. The Hardware input data obtained from the user is stored in the EEPROM memory Byte 4 at bit 0 and bit 1	Proposed	1	
CC_ID_06		3. Along with the Hardware input the speed data from the user is also obtained which is stored in the EEPROM memory byte 1 for further usage.	Proposed	1	
CC_ID_07	Heading	Cruise Status (CS)		2	
CC_ID_08	Definition	The Cruise status tells us whether the system is in cruise mode or in normal mode.	Proposed	2	
CC_ID_09	Comments	The System will be in normal mode until the Cruise is ON.	Proposed	2	
CC_ID_10		1. The Cruise status data at the EEPROM memory location Byte 4 is checked for the status of the system.	Proposed	2	
CC_ID_11	Requirements	2. Based on the data from the EEPROM memory location Byte 4 the indication lamp is turned ON or OFF.	Proposed	2	
		3. The cruise status data from the EEPROM memory location Byte 4 is transmitted through the CAN bus for Dasboard ECU with the message ID 0x75.	Proposed	2	
CC_ID_12	Heading	Near Range Camera Sensor (NRCS)		3	
CC_ID_13	Definition	This is a sensor which give the information about any obstacles or disturbance in the path is identified and resplied to the ECU.	Proposed	3	
CC_ID_14	Comments	Camera Sensor, Lidar or Radar sensor are used for this purpose.	Proposed	3	
CC_ID_15		1. The Message from the NRCS is obtained from the CAN Bus at high priority.	Proposed	3	
CC_ID_16	Requirements	2. The Message obtained from the NRCS is stored in the EEPROM memory location at Byte 6 in Bit 0	Proposed	3	
CC_ID_17		3. If there is no input from the NRCS even after the hardware input then the NRCS status lamp will be ON, After the input is obtained it goes to OFF state.	Proposed	3	
		4. The NRCS data from the EEPROM memory location Byte 4 is trasmitted throught the CAN bus to the Dasboard ECU using the message ID 0x76.	Proposed		
CC_ID_18	Heading	Cruise control		4	
CC_ID_19	Definition	The vehicle is set to a particular speed based on the actual input and then based on it the speed is maintained continuesly until there is an interuption from the user.	Proposed	4	
CC_ID_20	Comments	Used frequently during the long distance travel.	Proposed	4	
CC_ID_21		1. Fetching the Actual speed of the vehicle from the wheel speed sensor thought the CAN bus.	Proposed	4	
CC_ID_22		2. The data obtained from the wheel speed sensor is stored in the EEPROM memory location Byte 0.	Proposed	4	
CC_ID_23		3. Fetch the Reference speed data from the EEPROM memory Byte 1.	Proposed	4	
CC_ID_24	Requirements	3. Comparing the Actual speed data and the Reference speed data.	Proposed	4	
CC_ID_25		4. If the actual speed is higher than the reference speed then send a message to the brake ECU to reduce the speed.	Proposed	4	
CC_ID_26		5. If the actual speed is low than the reference speed then send the message to the Engine ECU to increase the acceleration.	Proposed	4	
CC_ID_27		6. The data obtained after the comparition of actual and reference speed is stored in the EEPROM memorylocation Byte 2.	Proposed	4	