

SW Requirements Review Document

Summary

Date	17/08/2021
Effort	2 Hours
Room/Location	Virtual
Review Status	Open
Review name	SWR_Act2.1_ArielGonzalez.doc
Method	WT
Release	1.0
Responsible	Marco Antonio Mares Mejía
Project	Door Control Module
Reason of Review	Initial Release

Comment List

No.	Reference	Comments / Actions	Classification (E)rror/Risk / (R)emark	Responsible person/Planned date for completion	Completion(Name/Date)
1	General, ID 0	This requirement states that a LIN protocol shall be used, but the stakeholder requirements dictates that a CAN protocol shall be used.	Error	Ariel Gonzalez / 17/08/2021	
2	Matrix Information	The upper cells of the matrix, corresponding to the project information, project documentation and name of the reviewer, are not filled.	Error	Ariel Gonzalez / 17/08/2021	
3	System Variants	The traceability matrix doesn't take into account the neither Sw nor HW Variants.	Error	Ariel Gonzalez / 17/08/2021	
4	CAN Database Appendix	The traceability matrix doesn't include the CAN Database which contains all the CAN frames and signals used in the description of the System.	Error	Ariel Gonzalez / 17/08/2021	
5	Functionality, ID 14	This object states that details of the CAN frames are described later on the document, but no CAN frames section is included.	Remark	Ariel Gonzalez / 17/08/2021	
6	Manual and Remote modes	The stakeholder requirements describes both Manual Mode and Remote Mode operation for the system. None of these mode are included in the traceability matrix. These modes shall be taken into account and rewrite requirement ID 27.	Error	Ariel Gonzalez / 17/08/2021	
7	Door Locking (Remote). ID 28 - 41	These requirements comments state that no CAN frame has been described. CAN frames can be found in the CAN Database appendix of the system requirements. This is	Remark	Ariel Gonzalez / 17/08/2021	

		related to comment No. 4 of this list.			
8	Door Locking (Auto), ID 45	This requirement comment states that no power mode is given. The system defines that the System Power Mode shall be equal to RUN. More information about Power Modes can be found at the CAN Database Appendix.	Remark	Ariel Gonzalez / 17/08/2021	
9	Door Locking (Auto), ID 47	This requirement comment states that field testes may be needed. The traceability matrix shall only include SW requirements, thus no field testes shall be taken into account.	Remark	Ariel Gonzalez / 17/08/2021	
10	Window Control, ID 56, 59, 62, 65	These requirements are not properly derived from the systems requirements.	Risk		

Check List

No	Description	OK / NOK / NR	Comment	Responsible person / Planned date for completion	Status
1	Have all identified stakeholders been considered? Have all identified sources of requirements been considered (e.g. list of used documents/inputs)?	OK	The system requirements only defines the OEM and the standards as stakeholders		Close
2	Can the stakeholder requirements be considered as "mature enough" to perform this review (requirements are no more in a "draft" status)?	NOK	There are still major errors at the stakeholder requirements, further revision of them is needed.		Open
3	Is the behaviour on all major events described (check within your project for the relevant major events)?	NOK	The Manual Mode, Remote Mode, Variants and the CAN Database are missing.	Ariel Gonzalez / 17/08/2021	Open
4	Are implementation requirements described (e.g. EEPROM calibrations, flash calibration, tuning variables)?	NR	None of this requirements are described in the system requirements		Open
5	Can the feature be configured? If yes: Is it described how this is done?	NOK	The system requirements mentions system variants but the traceability matrix doesn't includes them.	Ariel Gonzalez / 17/08/2021	Open

6	Are the resolution/max min values/default value of data determined? Are the resolution/max min values checked against supplier recommended values if available? Are the tolerances of data determined (e.g. all timer-values have a tolerance of +/-10%)?	OK	No tolerances are mentioned in the system requirements.		Close
7	Are all debounce times (e.g. inputs, failure conditions ...) determined?	OK			Close
8	Is behaviour on power modes, resets, priority taken into account?	OK			Close
9	Has the functional analysis been performed? - Is it clearly defined what has to be realized in SW / EE / ME?	NOK	The traceability matrix mixes SW / EE / ME requirements. This traceability matrix shall only include SW requirements.	Ariel Gonzalez / 17/08/2021	Open
10	Are all stakeholder requirements completely derived in system requirements?	OK			Close
11	Are all product variants considered for all requirements? (Yes -> OK)	NOK	The Variants section is not derived in the traceability matrix.	Ariel Gonzalez / 17/08/2021	Open
12	Is specification up to date according to closed items from "open item list"? Or is the proceeding for these open items defined?	OK			Open