# SWA Review Document

## Summary

|  |  |
| --- | --- |
| **Date** | 9/6/2021 |
| **Effort** |  |
| **Room/Location** |  |
| **Review Status** | Open |
| **Review name** | Act3.2\_Granados\_Delgado\_Marco\_Antonio.doc |
| **Method** | WT, DC, II |
| **Release** |  |
| **Responsible** | Marco Antonio Granados Delgado |
| **Project** | Door Control Module GOC Motors Automotive |
| **Reason of Review** | First Draft |

## Comment List

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Reference** | **Comments / Actions** | **Classification (E)rror/Risk / (R)emark** | **Responsible person/Planned date for completion** | **Completion(Name/Date)** |
| 1 | Section 5.6.2 | This section is empty, maybe was created by mistake | E | Marco Antonio | 9/10/2021 |
| 2 |  |  |  |  |  |
| 3 |  |  |  |  |  |
| 4 |  |  |  |  |  |
| 5 |  |  |  |  |  |
| 6 |  |  |  |  |  |
| … |  |  |  |  |  |

## Check List

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Description | OK / NOK / NR | Comment | Responsible person /  Planned date for completion | Status |
| 1 | Does the design comply to the SW Requirements? | NOK | There is still pending to do the Requirements Allocation step | Marco Antonio / 9/10/2021 | In Progress |
| 2 | Are all requirements allocated to Architectural elements? | NOK | There is still pending to do the Requirements Allocation step | Marco Antonio / 9/10/2021 | In Progress |
| 3 | Is the system context (environment) of the software architecture described? | NOK | The software architecture still needs to consider some components to cover all the functionalities | Marco Antonio / 9/10/2021 | In Progress |
| 4 | Is a global overview of all SW function blocks (Functional Architecture) and SW components (Physical Architecture) provided, giving the reader a good understanding of the overall dependencies? | NOK | There are software components that need to be added in order to cover all functionality described by the SW requirements | Marco Antonio / 9/10/2021 | In Progress |
| 5 | Are the functions identified from SW requirements and reviewed there are no missing functions? | NOK | There is still pending to do the Requirements Allocation step | Marco Antonio / 9/10/2021 | In Progress |
| 6 | Are the functional interfaces documented? | OK | All interfaces for the components identified so far have an interface to interact each other | Marco Antonio / 9/10/2021 | In Progress |
| 7 | Is each SW function mapped to one or more SW components? I.e. is there a mapping from functional to physical software architecture? | NOK | There are still pending some functionalities to be covered by Software Components in the physical architecture | Marco Antonio / 9/10/2021 | In Progress |
| 8 | Do SW components' interfaces export only the needed data and functions (encapsulation principle)? If not, are the reasons given? | OK | All functionalities identified are meant to provide specific data | Marco Antonio / 9/10/2021 | In Progress |
| 9 | Are diagrams (e.g. use case charts, sequence charts…) used were appropriate? | OK | Although very few diagrams, but they were considered in section 4.4 | Marco Antonio / 9/10/2021 | In Progress |
| 10 | Are the SW components identified? | NOK | There are still pending some functionalities to be covered by Software Components in the physical architecture | Marco Antonio / 9/10/2021 | In Progress |
| 11 | Are the Physical Interfaces identified with a clear usage description? | NOK | The software Interfaces identified, need to be more specific of what data they will send or receive, the name, the return type, etc. | Marco Antonio / 9/10/2021 | In Progress |
| 12 | Are the OS task properly defined and documented? | OK | The OS tasks were added for the software components identified | Marco Antonio / 9/10/2021 | In Progress |
| 13 | Are the Interrupt usage described? | OK | Interrupt Handling was described | Marco Antonio / 9/10/2021 | In Progress |
| 14 | Are there Power Modes identified and documented? | OK | Power modes were found, although it would be necessary to add more details about the handling | Marco Antonio / 9/10/2021 | In Progress |
| 15 | Is the integration Plan properly described with the corresponding order for the software construction order? | OK | The integration plan was described | Marco Antonio / 9/10/2021 | In Progress |
| 16 | Is the functional safety information properly described on the SWA document? | NR |  |  |  |