PEDAC1 - SRS V1 Change List

Content (pg #)	
Introduction 1 (pg 1)	- Include product details (reader should gain a high level understanding of the product immediately) - Include overview of document organization (ok to repeat parts of section 1.4) - Explain “Pedestrian hazards”
Purpose 1.1 (pg 1)	- Include purpose of product in thesis sentence - Define functional objective of PEDAC
Scope 1.2 (pg 1)	- Clarify “Respective Automotive System” (line 5) - Give better high level descriptions of product and its scope (reader still cannot establish a clear understanding of project) - NoFix: Per our discussions with our customer, we believe our system is fully autonomous, with no driver input. We will change the wording if it is confusing.
Definitions 1.3 (pg 1)	- Define PEDAC acronym (clarify with customer) - Include all terms, abbreviations, metrics, units used anywhere in the document - Define all interfaces (HW, SW, etc) from Section 2.1 - Define I/O - Define g used in Section 2.4 - Define Brake-By-Wire (include details) - Define Units used in Section 2.4 - Define all elements and units used in section 4 - Define abbreviations used in section 4
Organization 1.4 (pg 1)	- Use sentences to describe each section along with outline
Overall Description 2 (pg 2)	- Explain each section (high level) - Give greater perspective of project
Product Perspective 2.1 (pg 2)	- Better explanation for operational constraints - Define driver override (none) - Pictorial representation of system - Define hardware interfaces - Explain in detail context of the product - Explain the driver’s place in the system
Product Functions 2.2 (pg 3)	- Remove fourth bullet point, not part of product - Add fail safe mode as a function here

User Characteristics 2.3 (pg 3)	- More information (what is user in terms of software) - Explain if and why the driver can or cannot interact with the system
Assumptions 2.5 (pg 3)	- Include Brake-By-Wire system as dependency - Include Throttle control as dependency
Specific Requirements 3 (pg 4)	- Include much more detail - Define lower level requirements (include numeric values for specific constraints, performance metrics) - For each requirement, define how each scenario is triggered and how the system determines its actions - Define failsafe hard requirements from document - Break into referenceable list for later use in models
Modeling Requirements 4 (pg 5)	- Include description and summary for each model - Include figure numbers for references - Include Use Case Description Table for each use case (each one should reference a requirement) - Include all classes and methods in Sequence Diagram - Include all classes and methods in State diagram - Move data dictionary under class diagram - Describe notations in class diagram - Add User to class diagram - Add Cruise control to class diagram - Add Brake-By-Wire system to class diagram - Fix object instantiations (they are instances of incorrect classes) - Fix: Messages in sequence diagrams invoke methods on receiving object - Include sequence diagram for each scenario - Standardize all models (all objects, methods, definitions should be the same)
Prototype 5 (pg 8)	- Describe prototype in terms of software system and real scenarios - Include more details on prototype - Include figure numbers for references
References 6 (pg 10)	- Match formatting - Format references ([1],[2], and MLA)
Point of Contact 7 (pg 10)	- Include Point of Contact section from template

Writing (pg #)	
Purpose 1.1 (pg 1)	- Remove use of first person - Fix “Our product” -> “The product” - Clean up grammar of last sentence
Scope 1.2 (pg 1)	- Remove use of first person
Definitions 1.3 (pg 1)	- Periods at the end of any full sentences (stay consistent)
Product Functions 2.2 (pg 3)	- Change “maximally” - Maintain “Brake-By-Wire” consistency
User Characteristics 2.3 (pg 3)	- Include a thesis sentence
Constraints 2.4 (pg 3)	- Include a thesis sentence
Assumptions 2.5 (pg 3)	- Reword first sentence - Reword second sentence - Reword last sentence
Specific Requirements 3 (pg 4)	- Include a thesis sentence
Modeling Requirements 4 (pg 5)	- Fix “Breaking” -> “Braking” - Maintain “Brake-By-Wire” consistency