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{

"Requirement":"Req\_SZ\_01",

"RequirementClassification":"SafetyGoal",

"LESS Requirement":"THE System SHALL PREVENT dangerous unintended acceleration"

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{

"Reference":"test-Req\_SZ\_01",

"Requirement":"Req\_SZ\_01",

"Testobjects":["System", "acceleration"],

"PRE":{ },

"POST":{}

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{

"Requirement":"Req\_SZ\_03",

"RequirementClassification":"SafetyGoal",

"LESS Requirement":"THE System SHALL PREVENT dangerous unintended deceleration"

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{

"Reference":"test-Req\_SZ\_03",

"Requirement":"Req\_SZ\_03",

"Testobjects":["System", "deceleration"],

"PRE":{},

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{

"Requirement":"Req\_SZ\_04",

"RequirementClassification":"SafetyGoal",

"LESS Requirement":"THE System SHALL PREVENT unintended loss of deceleration"

},

{

"Reference":"test-Req\_SZ\_04",

"Requirement":"Req\_SZ\_04",

"Testobjects":["System", "deceleration"],

"PRE":{},

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{

"Requirement":"SReq\_01",

"RequirementClassification":"SafetyFunctional",

"LESS Requirement":"THE Drive\_Pedal SHALL CHECK THE sensor\_signals OF THE Drive\_Pedal FOR plausibility"

},

{

"Reference":"test-SReq\_01",

"Requirement":"SReq\_01",

"Testobjects":["Drive\_Pedal", "sensor\_signals", "plausibility"],

"PRE":{},

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{

"Requirement":"SReq\_01",

"RequirementClassification":"SafetyFunctional",

"LESS Requirement":"THE Drive\_Pedal SHALL CHECK THE internal sensor\_signals OF THE Drive\_Pedal FOR plausibility"

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{

"Reference":"test-SReq\_01\_int",

"Requirement":"SReq\_01",

"Testobjects":["Drive\_Pedal", "sensor\_signals", "plausibility"],

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{

"Requirement":"SReq\_02",

"RequirementClassification":"SafetyFunctional",

"LESS Requirement":"THE Throttle\_Valve SHALL CHECK THE sensor\_signals OF THE Throttle\_Valve FOR plausibility"

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{

"Reference":"test-SReq\_02",

"Requirement":"SReq\_02",

"Testobjects":["Throttle\_Valve", "sensor\_signals", "plausibility"],

"PRE":{},

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{

"Requirement":"SReq\_04",

"RequirementClassification":"SafetyFunctional",

"LESS Requirement":"THE Engine\_Control\_Unit SHALL DETECT THE errors OF THE actuator BY USING appropriate plausibility\_checks"

},

{

"Reference":"test-SReq\_04",

"Requirement":"SReq\_04",

"Testobjects":["Engine\_Control\_Unit", "errors", "actuator", "plausibility\_checks"],

"PRE":{},

"POST":{}

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{

"Requirement":"SReq\_05",

"RequirementClassification":"SafetyFunctional",

"LESS Requirement":"THE Engine\_Control\_Unit SHALL CHECK THE internal signals OF THE actuator FOR plausibility"

},

{

"Reference":"test-SReq\_05",

"Requirement":"SReq\_05",

"Testobjects":["Engine\_Control\_Unit", "signals", "actuator", "plausibility"],

"PRE":{},

"POST":{}

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{

"Requirement":"SReq\_05a",

"RequirementClassification":"SafetyFunctional",

"LESS Requirement":"THE Engine\_Control\_Unit SHALL DETECT AND confirm unintended acceleration"

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{

"Reference":"test-SReq\_05a",

"Requirement":"SReq\_05a",

"Testobjects":["Engine\_Control\_Unit", "acceleration"],

"PRE":{ },

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{

"Requirement":"SReq\_06a",

"RequirementClassification":"SafetyFunctional",

"LESS Requirement":"THE Engine\_Control\_Unit SHALL monitor THE Function\_Controller"

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{

"Reference":"test-SReq\_06a",

"Requirement":"SReq\_06a",

"Testobjects":["Engine\_Control\_Unit", "Function\_Controller"],

"PRE":{},

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{

"Requirement":"SReq\_06a2",

"RequirementClassification":"SafetyFunctional",

"LESS Requirement":"THE System SHALL protect THE integrity OF THE Lamp\_switch\_on\_request AGAINST spoofing"

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{

"Reference":"test-SReq\_06a2",

"Requirement":"SReq\_06a2",

"Testobjects":["System", "Lamp\_switch\_on\_request", "integrity"],

"PRE":{},

"POST":{ }

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{

"Requirement":"SReq\_06b",

"RequirementClassification":"SafetyFunctional",

"LESS Requirement":"THE Navigation\_ECU SHALL DETECT malicious control\_signals"

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{

"Reference":"test-SReq\_06b",

"Requirement":"SReq\_06b",

"Testobjects":["Navigation\_ECU", "control\_signals"],

"PRE":{ },

"POST":{}

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{

"Requirement":"SReq\_06b2",

"RequirementClassification":"SafetyFunctional",

"LESS Requirement":"THE Navigation\_ECU SHALL PREVENT malicious control\_signals FROM being\_transmitted"

},

{

"Reference":"test-SReq\_06b2",

"Requirement":"SReq\_06b2",

"Testobjects":["Navigation\_ECU", "control\_signals"],

"PRE":{},

"POST":{}

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{

"Requirement":"SReq\_07",

"RequirementClassification":"SafetyFunctional",

"LESS Requirement":"THE Gateway SHALL DETECT malicious control\_signals"

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{

"Reference":"test-SReq\_07",

"Requirement":"SReq\_07",

"Testobjects":["Gateway", "control\_signals"],

"PRE":{},

"POST":{}

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{

"Requirement":"Req\_SEC\_ISO10",

"RequirementClassification":"SecurityGoal",

"LESS Requirement":"THE Gateway SHALL drop malicious control\_signals"

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{

"Reference":"test-Req\_SEC\_ISO10",

"Requirement":"Req\_SEC\_ISO10",

"Testobjects":["Gateway", "control\_signals"],

"PRE":{},

"POST":{}

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