System Safety Requirements

Author(s)*:* SJ

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Chapter 1: Requirement Set: System Safety Requirements

Description

Implementation Status

Total: 25; Implemented: 0; Justified:0

Verification Status

Total: 25; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 25

[System Safety Requirements] References to System Safety Requirements.docx

Description

Read-only references to Microsoft Word document.

Implementation Status

Total: 25; Implemented: 0; Justified:0

Verification Status

Total: 25; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 25

[Simulink\_requirement\_item\_1] FSR\_00100 속도 변화 작은 값 유지

Description

**FSR\_00100 속도 변화 작은 값 유지( 거리 비교를 통해 속도 변화가 작은 값을 유지해야 한다**

Implementation Status

Total: 12; Implemented: 0; Justified:0

Verification Status

Total: 12; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 12

[Simulink\_requirement\_item\_4] TSR\_00100 거리비교

Description

**TSR\_00100 거리비교( 안전거리와 상대적거리를 비교한다.**

Implementation Status

Total: 4; Implemented: 0; Justified:0

Verification Status

Total: 4; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 4

[Simulink\_requirement\_item\_7] SSR\_010101 Input:Dsafe

Description

**SSR\_010101 Input:Dsafe(안전거리 계산을 위한 입력 데이터 값을 받는다.**

Implementation Status

Total: 1; Implemented: 0; Justified:0

Verification Status

Total: 1; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 1

[Simulink\_requirement\_item\_8] SSR\_010102 Safe distance

Description

**SSR\_010102 Safe distance(입력받은 데이터를 이용해서 안전거리를 계산한다.**

Implementation Status

Total: 1; Implemented: 0; Justified:0

Verification Status

Total: 1; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 1

[Simulink\_requirement\_item\_9] SSR\_010103 Comparsion:distance

Description

**SSR\_010103 Comparsion:distance(안전거리와 상대적 거리의 값을 비교한다.**

Implementation Status

Total: 1; Implemented: 0; Justified:0

Verification Status

Total: 1; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 1

[Simulink\_requirement\_item\_5] TSR\_00200 안전범위 내

Description

**TSR\_00200 안전범위 내( 안전거리가 상대적 거리보다 클 경우 거리차 속도를 유지한다.**

Implementation Status

Total: 3; Implemented: 0; Justified:0

Verification Status

Total: 3; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 3

[Simulink\_requirement\_item\_10] SSR\_010201 Input:difference

Description

**SSR\_010201 Input:difference(거리차속도 계산을 위한 데이터 값을 받는다.**

Implementation Status

Total: 1; Implemented: 0; Justified:0

Verification Status

Total: 1; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 1

[Simulink\_requirement\_item\_11] SSR\_010202 Compute:distance

Description

**SSR\_010202 Compute:distance(안전거리가 상대적 거리보다 클 경우 사용하기 위한 거리차 속도를 계산한다.**

Implementation Status

Total: 1; Implemented: 0; Justified:0

Verification Status

Total: 1; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 1

[Simulink\_requirement\_item\_6] TSR\_00300 안전범위 외

Description

**TSR\_00300 안전범위 외( 안전거리가 상대적 거리보다 작을 경우, 설정 속도와 거리차속도 중 작은값을 유지한다.**

Implementation Status

Total: 4; Implemented: 0; Justified:0

Verification Status

Total: 4; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 4

[Simulink\_requirement\_item\_12] SSR\_010301 Compute:V\_set

Description

**SSR\_010301 Compute:V\_set( 설정 속도값을 계산한다.**

Implementation Status

Total: 1; Implemented: 0; Justified:0

Verification Status

Total: 1; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 1

[Simulink\_requirement\_item\_13] SSR\_010302 Compute:difference

Description

**SSR\_010302 Compute:difference(안전거리가 상대적 거리보다 클 경우 사용하기 위한 거리차 속도를 계산한다.**

Implementation Status

Total: 1; Implemented: 0; Justified:0

Verification Status

Total: 1; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 1

[Simulink\_requirement\_item\_14] SSR\_01033 Comparision:speed

Description

**SSR\_01033 Comparision:speed(설정속도와 거리차 속도를 비교해서 더 작은 값을 구한다.**

Implementation Status

Total: 1; Implemented: 0; Justified:0

Verification Status

Total: 1; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 1

[Simulink\_requirement\_item\_2] FSR\_00200 잘못된throttle값 증가 방지

Description

**FSR\_00200 잘못된throttle값 증가 방지( 의도치 않은 Throttle 값의 증가를 방지해야 한다**

Implementation Status

Total: 6; Implemented: 0; Justified:0

Verification Status

Total: 6; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 6

[Simulink\_requirement\_item\_15] TSR\_00400 속도증가

Description

**TSR\_00400 속도증가( 요청상황에 맞게 속도를 증가할 수 있어야 한다.**

Implementation Status

Total: 3; Implemented: 0; Justified:0

Verification Status

Total: 3; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 3

[Simulink\_requirement\_item\_17] SSR\_010401 Throttle

Description

**SSR\_010401 Throttle(속도를 증가하기 위한 Throttle 값을 계산한다.**

Implementation Status

Total: 1; Implemented: 0; Justified:0

Verification Status

Total: 1; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 1

[Simulink\_requirement\_item\_18] SSR\_010402 Output:Throttle

Description

**SSR\_010402 Output:Throttle(계산된 Throttle 값을 출력한다.**

Implementation Status

Total: 1; Implemented: 0; Justified:0

Verification Status

Total: 1; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 1

[Simulink\_requirement\_item\_16] TSR\_00500 Throttle 값의 급격한 증가 방지

Description

**TSR\_00500 Throttle 값의 급격한 증가 방지( 요청상황에 맞게 속도를 감소할 수 있어야 한다**

Implementation Status

Total: 2; Implemented: 0; Justified:0

Verification Status

Total: 2; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 2

[Simulink\_requirement\_item\_19] SSR\_010501 Saturation:throttle

Description

**SSR\_010501 Saturation:throttle( Throttle 값이 일정값 이상 올라가지 않도록 제한한다.**

Implementation Status

Total: 1; Implemented: 0; Justified:0

Verification Status

Total: 1; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 1

[Simulink\_requirement\_item\_3] FSR\_00300 잘못된 Brake 값 증가 방지

Description

**FSR\_00300 잘못된 Brake 값 증가 방지(. 의도치 않은 Brake 값의 증가를 방지해야 한다..**

Implementation Status

Total: 6; Implemented: 0; Justified:0

Verification Status

Total: 6; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 6

[Simulink\_requirement\_item\_20] TSR\_00600 속도감소

Description

**TSR\_00600 속도감소( 요청상황에 맞게 속도를 증가할 수 있어야 한다.**

Implementation Status

Total: 3; Implemented: 0; Justified:0

Verification Status

Total: 3; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 3

[Simulink\_requirement\_item\_23] SSR\_010601 Brake

Description

**SSR\_010601 Brake( 속도를 감소하기 위한 Brake값을 계산한다.**

Implementation Status

Total: 1; Implemented: 0; Justified:0

Verification Status

Total: 1; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 1

[Simulink\_requirement\_item\_24] SSR\_010502 Output:Brake

Description

**SSR\_010502 Output:Brake(계산된 Brake 값을 출력한다.**

Implementation Status

Total: 1; Implemented: 0; Justified:0

Verification Status

Total: 1; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 1

[Simulink\_requirement\_item\_21] TSR\_00700 Brake 값의 급격한 증가 방지

Description

**TSR\_00700 Brake 값의 급격한 증가 방지( 요청상황에 맞게 속도를 감소할 수 있어야 한다**

Implementation Status

Total: 2; Implemented: 0; Justified:0

Verification Status

Total: 2; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 2

[Simulink\_requirement\_item\_22] SSR\_010701 Saturation:Brake

Description

**SSR\_010701 Saturation:Brake( Brake 값이 일정값 이상 올라가지 않도록 제한한다.**

Implementation Status

Total: 1; Implemented: 0; Justified:0

Verification Status

Total: 1; Passed: 0; Justified:0; Failed: 0; Stale Result: 0; Unknown: 0; No test: 1