

# TEST DETAILS REPORT

2022-04-06, 11:10:07+0200

CurrentInterface\_EvaluateDeviation



Project	MRW420
Module	Stromregler
Test Object	CurrentInterface_EvaluateDeviation

## Instrumentation: Test object and called functions

Statement (C0) Coverage	100 %
Decision Coverage	100 %
Branch (C1) Coverage	100 %
MCC Coverage	100 %
MC/DC Coverage	100 %
Call Pair Coverage	100 %

## Metrics

Cyclomatic Complexity (CC)	8
Test Case to Complexity Ratio (TC/C)	1.00
Result Significance (RS)	✓

## Statistics

Total Testcases	8
Successful	8 ✓
Failed	0
Not Executed	0

## Module Properties

Project Root Directory	C:\MOBA\TessyProject\MRW420_Tessy\MRW_Tessy_projekt
Configuration File	\$(PROJECTROOT)\tessy\config\configuration.xml
Target Environment	GNU GCC Eclipse CDT (Default)
Kind of Test	Unit Test
Linker Options	
Source Root Directory	C:\MOBA\TessyProject\MRW420_Tessy\MRW420_source
Source File(s)	
File	\$(SOURCEROOT)\CurrentInterface.c
Compiler Options	-DADuC836_ADC_PRIMARY_TOGGLE=2 -DCHANNEL_0 -DCURRENTINTERFACE_MIT_I_REGLER=1 -DFALSE=0 -DLIMIT_ALARMLIMIT_EXCEEDED=0x80 -DLIMIT_HANGINGLIMIT_EXCEEDED=1 -DSYSTEMCND_ADC_BLOCKING_TIME_MS=200 -DSYSTEMTIME -DTRUE=1 -Dbit=char -DOFF=0 -DON=1

## Attributes

Name	Value
CTEX File	\$(PROJECTROOT)\tessy\persist\tessy\project\00000401\00000402\00000c9c\database\tdb\00000CC9\testSpecification.ctex

## Interface

Element	Passing	Target Passing
<b>External Functions</b>		
void ADuC836_DACSetCurrentDeviation(float)		
void Diagnosis_SecurityCurrentInterface(unsigned char)		
<b>Global Variables</b>		
char CurrentInterface_EvaluateDeviation::chDeviationSign#1	INOUT	
CURRENT_INTERFACE g_CurrentInterface	INOUT	
FEEDBACK FeedBack	INOUT	
RESULTS Results	IRRELEVANT	
MEASUREMENT_VALUE FilteredMeasurementFromADC	IRRELEVANT	
long nLong	IRRELEVANT	
float fFloat	IRRELEVANT	
MEASUREMENT_VALUE Deviation	IRRELEVANT	
long nLong	IRRELEVANT	

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Interface		
Element	Passing	Target Passing
float fFloat	IRRELEVANT	
MEASUREMENT_VALUE CalibratedMeasurement	IRRELEVANT	
long nLong	IRRELEVANT	
float fFloat	IRRELEVANT	
unsigned char byNewMeasurement	IRRELEVANT	
float fSimulatedDerivation	IRRELEVANT	
float fMaxDeviation	IN	
unsigned char byMaxDeviationCounter	OUT	
char chIntegralPortion	IRRELEVANT	
char chProportionalPortion	IRRELEVANT	
DAC_T DAC	IRRELEVANT	
long lRatedDACOutput	IRRELEVANT	
long lCalPointFeedBack_RMW[2]	IRRELEVANT	
float fCalPointFeedBack_Actual[2]	IRRELEVANT	
unsigned char byAdjustCurrentInterface	IRRELEVANT	
long lRMWForCalibration[2]	IRRELEVANT	
unsigned char byConversionState	IRRELEVANT	
unsigned char byLastConversionState	IRRELEVANT	
Parameter		
unsigned char bCurrentOn	IN	
float fDeviation	IN	
unsigned char * pbyDisableFeedbackCounter	IN	INOUT
Return		
unsigned char	OUT	

## Test Specification

## Usercode

## Stub Functions

```
ADuC836_DACSetCurrentDeviation
$stub void ADuC836_DACSetCurrentDeviation(float) {
    ;
}
```

## Diagnosis\_SecurityCurrentInterface

```
$stub void Diagnosis_SecurityCurrentInterface(unsigned char) {
    ;
}
```

## Test Case 1: Richtung der Abweichung

Specification 2.2.2.1 &amp; 2.2.2.7 &amp; 2.2.2.8

## Test Step 1.1 (Repeat Count = 1): Positiv

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	0		
bCurrentOn	1		
fDeviation	2		
g_CurrentInterface.FeedBack.fMaxDeviation	1		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	11	(SYSTEMCND_CURRENT_DEVIATION_C - 2) (11)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 1.2 (Repeat Count = 1): Negativ

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	0		
bCurrentOn	1		
fDeviation	-2		
g_CurrentInterface.FeedBack.fMaxDeviation	1		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	11	(SYSTEMCND_CURRENT_DEVIATION_C - 2) (11)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Case 2: Wechsel Vorzeichen chDeviationSign

Specification 2.2.2.1

## Test Step 2.1 (Repeat Count = 1)

## Prolog

```
//Needed to run all Testcases/Steps at once
g_CurrentInterface.FeedBack.byMaxDeviationCounter = SYSTEMCND_CURRENT_DEVIATION_COUNTER_LIMIT - 1;
```

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	-2		
g_CurrentInterface.FeedBack.fMaxDeviation	1		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	11	(SYSTEMCND_CURRENT_DEVIATION_C - 2) (11)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.2 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1		
bCurrentOn	1		
fDeviation	-2		
g_CurrentInterface.FeedBack.fMaxDeviation	1		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	11	(SYSTEMCND_CURRENT_DEVIATION_C - 2) (11)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.3 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	0		
bCurrentOn	1		
fDeviation	2		
g_CurrentInterface.FeedBack.fMaxDeviation	1		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	11	(SYSTEMCND_CURRENT_DEVIATION_C - 2) (11)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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## Test Step 2.4 (Repeat Count = 1) ✓

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	0		
bCurrentOn	1		
fDeviation	-2		
g_CurrentInterface.FeedBack.fMaxDeviation	1		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✔
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✔
g_CurrentInterface.FeedBack.byMaxDeviationCounter	11	(SYSTEMCND_CURRENT_DEVIATION_C - 2) (11)	✔
target_pbyDisableFeedbackCounter	1	1	✔

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Case 3: Wechsel Vorzeichen chDeviation Sign ✓

Specification 2.2.2.3 & 2.2.2.4

## Test Step 3.1 (Repeat Count = 1) ✓

**Prolog** //Needed to run all Testcases/Steps at once  
g\_CurrentInterface.FeedBack.byMaxDeviationCounter = SYSTEMCND\_CURRENT\_DEVIATION\_COUNTER\_LIMIT - 1;

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	0		
g_CurrentInterface.FeedBack.fMaxDeviation	1		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	0	0	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	12	(SYSTEMCND_CURRENT_DEVIATION_C - 1) (12)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 3.2 (Repeat Count = 1) ✓

**Prolog** //Needed to run all Testcases/Steps at once  
g\_CurrentInterface.FeedBack.byMaxDeviationCounter = SYSTEMCND\_CURRENT\_DEVIATION\_COUNTER\_LIMIT - 1;

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	0		
g_CurrentInterface.FeedBack.fMaxDeviation	1		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	0		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	0	0	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	12	(SYSTEMCND_CURRENT_DEVIATION_C - 1) (12)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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## Test Step 3.3 (Repeat Count = 1)

### Prolog

```
//Needed to run all Testcases/Steps at once  
g_CurrentInterface.FeedBack.byMaxDeviationCounter = SYSTEMCND_CURRENT_DEVIATION_COUNTER_LIMIT - 1;
```

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1		
bCurrentOn	0		
g_CurrentInterface.FeedBack.fMaxDeviation	1		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	0	0	✔
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✔
g_CurrentInterface.FeedBack.byMaxDeviationCounter	12	(SYSTEMCND_CURRENT_DEVIATION_C - 1) (12)	✔
target_pbyDisableFeedbackCounter	1	1	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 3.4 (Repeat Count = 1)

### Prolog

```
//Needed to run all Testcases/Steps at once  
g_CurrentInterface.FeedBack.byMaxDeviationCounter = SYSTEMCND_CURRENT_DEVIATION_COUNTER_LIMIT - 1;
```

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	0		
bCurrentOn	0		
g_CurrentInterface.FeedBack.fMaxDeviation	1		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	0	0	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	0	0	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	12	(SYSTEMCND_CURRENT_DEVIATION_C - 1) (12)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Case 4: positiv Abweichung 1000kg

### Specification

2.2.2.9 & 2.2.2.10

## Test Step 4.1 (Repeat Count = 1)

Name	Input Value
CurrentInterface_EvaluateDeviation::chDeviationSign#1	0
bCurrentOn	1
fDeviation	0.05
g_CurrentInterface.FeedBack.fMaxDeviation	0.08
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter
target_pbyDisableFeedbackCounter	1

Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	0	0	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	12	(SYSTEMCND_CURRENT_DEVIATION_C - 1) (12)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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Test Step 4.2 (Repeat Count = 1)				✓
Name	Input Value			
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1			
bCurrentOn	1			
fDeviation	0.1			
g_CurrentInterface.FeedBack.fMaxDeviation	0.08			
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter			
target_pbyDisableFeedbackCounter	1			
Name	Actual Value	Expected Value	Result	
CurrentInterface_EvaluateDeviation()	1	1		✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1		✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	11	(SYSTEMCND_CURRENT_DEVIATION_C - 2) (11)		✓
target_pbyDisableFeedbackCounter	1	1		✓

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0		✓

Test Step 4.3 (Repeat Count = 1)				✓
Name	Input Value			
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1			
bCurrentOn	1			
fDeviation	0.15			
g_CurrentInterface.FeedBack.fMaxDeviation	0.08			
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter			
target_pbyDisableFeedbackCounter	1			
Name	Actual Value	Expected Value	Result	
CurrentInterface_EvaluateDeviation()	1	1		✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1		✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	10	(SYSTEMCND_CURRENT_DEVIATION_C - 3) (10)		✓
target_pbyDisableFeedbackCounter	1	1		✓

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0		✓

Test Step 4.4 (Repeat Count = 1)				✓
Name	Input Value			
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1			
bCurrentOn	1			
fDeviation	0.2			
g_CurrentInterface.FeedBack.fMaxDeviation	0.08			
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter			
target_pbyDisableFeedbackCounter	1			
Name	Actual Value	Expected Value	Result	
CurrentInterface_EvaluateDeviation()	1	1		✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1		✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	9	(SYSTEMCND_CURRENT_DEVIATION_C - 4) (9)		✓
target_pbyDisableFeedbackCounter	1	1		✓

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0		✓

Test Step 4.5 (Repeat Count = 1)				✓
Name	Input Value			
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1			
bCurrentOn	1			
fDeviation	0.25			
g_CurrentInterface.FeedBack.fMaxDeviation	0.08			

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Name	Input Value		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	8	(SYSTEMCND_CURRENT_DEVIATION_C - 5) (8)	✓
target_pbyDisableFeedbackCounter	1	1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 4.6 (Repeat Count = 1)				
Name	Input Value			
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1			
bCurrentOn	1			
fDeviation	0.3			
g_CurrentInterface.FeedBack.fMaxDeviation	0.08			
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter			
target_pbyDisableFeedbackCounter	1			
Name	Actual Value	Expected Value	Result	
CurrentInterface_EvaluateDeviation()	1	1	✓	
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓	
g_CurrentInterface.FeedBack.byMaxDeviationCounter	7	(SYSTEMCND_CURRENT_DEVIATION_C - 6) (7)	✓	
target_pbyDisableFeedbackCounter	1	1	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 4.7 (Repeat Count = 1)				
Name	Input Value			
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1			
bCurrentOn	1			
fDeviation	0.35			
g_CurrentInterface.FeedBack.fMaxDeviation	0.08			
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter			
target_pbyDisableFeedbackCounter	1			
Name	Actual Value	Expected Value	Result	
CurrentInterface_EvaluateDeviation()	1	1	✓	
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓	
g_CurrentInterface.FeedBack.byMaxDeviationCounter	6	(SYSTEMCND_CURRENT_DEVIATION_C - 7) (6)	✓	
target_pbyDisableFeedbackCounter	1	1	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 4.8 (Repeat Count = 1)				
Name	Input Value			
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1			
bCurrentOn	1			
fDeviation	0.4			
g_CurrentInterface.FeedBack.fMaxDeviation	0.08			
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter			
target_pbyDisableFeedbackCounter	1			
Name	Actual Value	Expected Value	Result	
CurrentInterface_EvaluateDeviation()	1	1	✓	
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓	
g_CurrentInterface.FeedBack.byMaxDeviationCounter	5	(SYSTEMCND_CURRENT_DEVIATION_C	✓	



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Name	Actual Value	Expected Value	Result
target_pbyDisableFeedbackCounter	1	- 8) (5) 1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 4.9 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1		
bCurrentOn	1		
fDeviation	0.45		
g_CurrentInterface.FeedBack.fMaxDeviation	0.08		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	4	(SYSTEMCND_CURRENT_DEVIATION_C - 9) (4)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 4.10 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1		
bCurrentOn	1		
fDeviation	0.5		
g_CurrentInterface.FeedBack.fMaxDeviation	0.08		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	3	(SYSTEMCND_CURRENT_DEVIATION_C - 10) (3)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 4.11 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1		
bCurrentOn	1		
fDeviation	0.55		
g_CurrentInterface.FeedBack.fMaxDeviation	0.08		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	2	(SYSTEMCND_CURRENT_DEVIATION_C - 11) (2)	✓
target_pbyDisableFeedbackCounter	1	1	✓

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## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 4.12 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1		
bCurrentOn	1		
fDeviation	0.6		
g_CurrentInterface.FeedBack.fMaxDeviation	0.08		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	1	(SYSTEMCND_CURRENT_DEVIATION_C - 12) (1)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 4.13 (Repeat Count = 1)

Name	Input Value
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1
bCurrentOn	1
fDeviation	0.65
g_CurrentInterface.FeedBack.fMaxDeviation	0.08
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter
target_pbyDisableFeedbackCounter	1

Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	0	(SYSTEMCND_CURRENT_DEVIATION_C - 13) (0)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 4.14 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1		
bCurrentOn	1		
fDeviation	0.7		
g_CurrentInterface.FeedBack.fMaxDeviation	0.08		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	2	2	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	0	(SYSTEMCND_CURRENT_DEVIATION_C - 13) (0)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Diagnosis_SecurityCurrentInterface	1	Diagnosis_SecurityCurrentInterface	1	✓
ADuC836_DACSetCurrentDeviation	1	ADuC836_DACSetCurrentDeviation	1	✓

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## Test Step 4.15 (Repeat Count = 1)

Name	Input Value			
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1			
bCurrentOn	1			
fDeviation	0.75			
g_CurrentInterface.FeedBack.fMaxDeviation	0.08			
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter			
target_pbyDisableFeedbackCounter	1			
Name	Actual Value	Expected Value	Result	
CurrentInterface_EvaluateDeviation()	2	2	✓	
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓	
g_CurrentInterface.FeedBack.byMaxDeviationCounter	0	(SYSTEMCND_CURRENT_DEVIATION_C - 13) (0)	✓	
target_pbyDisableFeedbackCounter	1	1	✓	

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Diagnosis_SecurityCurrentInterface	1	Diagnosis_SecurityCurrentInterface	1	✓
ADuC836_DACSetCurrentDeviation	1	ADuC836_DACSetCurrentDeviation	1	✓

## Test Step 4.16 (Repeat Count = 1)

Name	Input Value			
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1			
bCurrentOn	1			
fDeviation	0.8			
g_CurrentInterface.FeedBack.fMaxDeviation	0.08			
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter			
target_pbyDisableFeedbackCounter	1			
Name	Actual Value	Expected Value	Result	
CurrentInterface_EvaluateDeviation()	2	2	✓	
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓	
g_CurrentInterface.FeedBack.byMaxDeviationCounter	0	(SYSTEMCND_CURRENT_DEVIATION_C - 13) (0)	✓	
target_pbyDisableFeedbackCounter	1	1	✓	

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Diagnosis_SecurityCurrentInterface	1	Diagnosis_SecurityCurrentInterface	1	✓
ADuC836_DACSetCurrentDeviation	1	ADuC836_DACSetCurrentDeviation	1	✓

## Test Case 5: negativ Abweichung 1000kg

Specification 2.2.2.9 & 2.2.2.10

## Test Step 5.1 (Repeat Count = 1)

Name	Input Value			
CurrentInterface_EvaluateDeviation::chDeviationSign#1	0			
bCurrentOn	1			
fDeviation	-0.05			
g_CurrentInterface.FeedBack.fMaxDeviation	0.08			
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter			
target_pbyDisableFeedbackCounter	1			
Name	Actual Value	Expected Value	Result	
CurrentInterface_EvaluateDeviation()	1	1	✓	
CurrentInterface_EvaluateDeviation::chDeviationSign#1	0	0	✓	
g_CurrentInterface.FeedBack.byMaxDeviationCounter	12	(SYSTEMCND_CURRENT_DEVIATION_C - 1) (12)	✓	
target_pbyDisableFeedbackCounter	1	1	✓	

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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## Test Step 5.2 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	-0.1		
g_CurrentInterface.FeedBack.fMaxDeviation	0.08		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✔
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✔
g_CurrentInterface.FeedBack.byMaxDeviationCounter	11	(SYSTEMCND_CURRENT_DEVIATION_C - 2) (11)	✔
target_pbyDisableFeedbackCounter	1	1	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 5.3 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	-0.15		
g_CurrentInterface.FeedBack.fMaxDeviation	0.08		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	10	(SYSTEMCND_CURRENT_DEVIATION_C - 3) (10)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 5.4 (Repeat Count = 1)

Name	Input Value
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1
bCurrentOn	1
fDeviation	-0.2
g_CurrentInterface.FeedBack.fMaxDeviation	0.08
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter
target_pbyDisableFeedbackCounter	1

Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	9	(SYSTEMCND_CURRENT_DEVIATION_C - 4) (9)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 5.5 (Repeat Count = 1)

Name	Input Value
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1
bCurrentOn	1
fDeviation	-0.25

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CurrentInterface\_EvaluateDeviation

Name	Input Value		
g_CurrentInterface.FeedBack.fMaxDeviation	0.08		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	8	(SYSTEMCND_CURRENT_DEVIATION_C - 5) (8)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 5.6 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	-0.3		
g_CurrentInterface.FeedBack.fMaxDeviation	0.08		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	7	(SYSTEMCND_CURRENT_DEVIATION_C - 6) (7)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 5.7 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	-0.35		
g_CurrentInterface.FeedBack.fMaxDeviation	0.08		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	6	(SYSTEMCND_CURRENT_DEVIATION_C - 7) (6)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 5.8 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	-0.4		
g_CurrentInterface.FeedBack.fMaxDeviation	0.08		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓

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CurrentInterface\_EvaluateDeviation

Name	Actual Value	Expected Value	Result
g_CurrentInterface.FeedBack.byMaxDeviationCounter	5	(SYSTEMCND_CURRENT_DEVIATION_C - 8) (5)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 5.9 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	-0.45		
g_CurrentInterface.FeedBack.fMaxDeviation	0.08		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	4	(SYSTEMCND_CURRENT_DEVIATION_C - 9) (4)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 5.10 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	-0.5		
g_CurrentInterface.FeedBack.fMaxDeviation	0.08		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	3	(SYSTEMCND_CURRENT_DEVIATION_C - 10) (3)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 5.11 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	-0.55		
g_CurrentInterface.FeedBack.fMaxDeviation	0.08		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	2	(SYSTEMCND_CURRENT_DEVIATION_C - 11) (2)	✓
target_pbyDisableFeedbackCounter	1	1	✓

# TEST DETAILS REPORT

CurrentInterface\_EvaluateDeviation

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## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 5.12 (Repeat Count = 1)

Name	Input Value		
CurrentInterface__EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	-0.6		
g_CurrentInterface.FeedBack.fMaxDeviation	0.08		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface__EvaluateDeviation()	1	1	✔
CurrentInterface__EvaluateDeviation::chDeviationSign#1	-1	-1	✔
g_CurrentInterface.FeedBack.byMaxDeviationCounter	1	(SYSTEMCND_CURRENT_DEVIATION_C - 12) (1)	✔
target_pbyDisableFeedbackCounter	1	1	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 5.13 (Repeat Count = 1)

Name	Input Value
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1
bCurrentOn	1
fDeviation	-0.65
g_CurrentInterface.FeedBack.fMaxDeviation	0.08
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter
target_pbyDisableFeedbackCounter	1

Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	0	(SYSTEMCND_CURRENT_DEVIATION_C - 13) (0)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 5.14 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	-0.7		
g_CurrentInterface.FeedBack.fMaxDeviation	0.08		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	2	2	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	0	(SYSTEMCND_CURRENT_DEVIATION_C - 13) (0)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Diagnosis_SecurityCurrentInterface	1	Diagnosis_SecurityCurrentInterface	1	✓
ADuC836_DACSetCurrentDeviation	1	ADuC836_DACSetCurrentDeviation	1	✓

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CurrentInterface\_EvaluateDeviation

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## Test Step 5.15 (Repeat Count = 1)

Name	Input Value			
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1			
bCurrentOn	1			
fDeviation	-0.75			
g_CurrentInterface.FeedBack.fMaxDeviation	0.08			
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter			
target_pbyDisableFeedbackCounter	1			
Name	Actual Value	Expected Value	Result	
CurrentInterface_EvaluateDeviation()	2	2	✓	
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓	
g_CurrentInterface.FeedBack.byMaxDeviationCounter	0	(SYSTEMCND_CURRENT_DEVIATION_C - 13) (0)	✓	
target_pbyDisableFeedbackCounter	1	1	✓	

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Diagnosis_SecurityCurrentInterface	1	Diagnosis_SecurityCurrentInterface	1	✓
ADuC836_DACSetCurrentDeviation	1	ADuC836_DACSetCurrentDeviation	1	✓

## Test Step 5.16 (Repeat Count = 1)

Name	Input Value			
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1			
bCurrentOn	1			
fDeviation	-0.8			
g_CurrentInterface.FeedBack.fMaxDeviation	0.08			
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter			
target_pbyDisableFeedbackCounter	1			
Name	Actual Value	Expected Value	Result	
CurrentInterface_EvaluateDeviation()	2	2	✓	
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓	
g_CurrentInterface.FeedBack.byMaxDeviationCounter	0	(SYSTEMCND_CURRENT_DEVIATION_C - 13) (0)	✓	
target_pbyDisableFeedbackCounter	1	1	✓	

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Diagnosis_SecurityCurrentInterface	1	Diagnosis_SecurityCurrentInterface	1	✓
ADuC836_DACSetCurrentDeviation	1	ADuC836_DACSetCurrentDeviation	1	✓

## Test Case 6: positiv Abweichung 500kg

Specification 2.2.2.9 & 2.2.2.10

## Test Step 6.1 (Repeat Count = 1)

Name	Input Value			
CurrentInterface_EvaluateDeviation::chDeviationSign#1	0			
bCurrentOn	1			
fDeviation	0.05			
g_CurrentInterface.FeedBack.fMaxDeviation	0.16			
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter			
target_pbyDisableFeedbackCounter	1			
Name	Actual Value	Expected Value	Result	
CurrentInterface_EvaluateDeviation()	1	1	✓	
CurrentInterface_EvaluateDeviation::chDeviationSign#1	0	0	✓	
g_CurrentInterface.FeedBack.byMaxDeviationCounter	12	(SYSTEMCND_CURRENT_DEVIATION_C - 1) (12)	✓	
target_pbyDisableFeedbackCounter	1	1	✓	

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓



# TEST DETAILS REPORT

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## Test Step 6.2 (Repeat Count = 1) ✓

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1		
bCurrentOn	1		
fDeviation	0.161		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✔
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✔
g_CurrentInterface.FeedBack.byMaxDeviationCounter	11	(SYSTEMCND_CURRENT_DEVIATION_C - 2) (11)	✔
target_pbyDisableFeedbackCounter	1	1	✔

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 6.3 (Repeat Count = 1) ✓

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1		
bCurrentOn	1		
fDeviation	0.162		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	10	(SYSTEMCND_CURRENT_DEVIATION_C - 3) (10)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 6.4 (Repeat Count = 1) ✓

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1		
bCurrentOn	1		
fDeviation	0.2		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	9	(SYSTEMCND_CURRENT_DEVIATION_C - 4) (9)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 6.5 (Repeat Count = 1) ✓

Name	Input Value
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1
bCurrentOn	1
fDeviation	0.25

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CurrentInterface\_EvaluateDeviation

Name	Input Value		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	8	(SYSTEMCND_CURRENT_DEVIATION_C - 5) (8)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 6.6 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1		
bCurrentOn	1		
fDeviation	0.3		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	7	(SYSTEMCND_CURRENT_DEVIATION_C - 6) (7)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 6.7 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1		
bCurrentOn	1		
fDeviation	0.35		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	6	(SYSTEMCND_CURRENT_DEVIATION_C - 7) (6)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 6.8 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1		
bCurrentOn	1		
fDeviation	0.4		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓

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CurrentInterface\_EvaluateDeviation

Name	Actual Value	Expected Value	Result
g_CurrentInterface.FeedBack.byMaxDeviationCounter	5	(SYSTEMCND_CURRENT_DEVIATION_C - 8) (5)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 6.9 (Repeat Count = 1)

Name	Input Value
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1
bCurrentOn	1
fDeviation	0.45
g_CurrentInterface.FeedBack.fMaxDeviation	0.16
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter
target_pbyDisableFeedbackCounter	1

Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	4	(SYSTEMCND_CURRENT_DEVIATION_C - 9) (4)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 6.10 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1		
bCurrentOn	1		
fDeviation	0.5		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	3	(SYSTEMCND_CURRENT_DEVIATION_C - 10) (3)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 6.11 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1		
bCurrentOn	1		
fDeviation	0.55		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	2	(SYSTEMCND_CURRENT_DEVIATION_C - 11) (2)	✓
target_pbyDisableFeedbackCounter	1	1	✓

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CurrentInterface\_EvaluateDeviation

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 6.12 (Repeat Count = 1)

Name	Input Value		
CurrentInterface__EvaluateDeviation::chDeviationSign#1	1		
bCurrentOn	1		
fDeviation	0.6		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface__EvaluateDeviation()	1	1	✔
CurrentInterface__EvaluateDeviation::chDeviationSign#1	1	1	✔
g_CurrentInterface.FeedBack.byMaxDeviationCounter	1	(SYSTEMCND_CURRENT_DEVIATION_C - 12) (1)	✔
target_pbyDisableFeedbackCounter	1	1	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 6.13 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1		
bCurrentOn	1		
fDeviation	0.65		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	0	(SYSTEMCND_CURRENT_DEVIATION_C - 13) (0)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 6.14 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1		
bCurrentOn	1		
fDeviation	0.7		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	2	2	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	0	(SYSTEMCND_CURRENT_DEVIATION_C - 13) (0)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Diagnosis_SecurityCurrentInterface	1	Diagnosis_SecurityCurrentInterface	1	✓
ADuC836_DACSetCurrentDeviation	1	ADuC836_DACSetCurrentDeviation	1	✓

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CurrentInterface\_EvaluateDeviation

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## Test Step 6.15 (Repeat Count = 1) ✓

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1		
bCurrentOn	1		
fDeviation	0.75		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	2	2	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	0	(SYSTEMCND_CURRENT_DEVIATION_C - 13) (0)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Diagnosis_SecurityCurrentInterface	1	Diagnosis_SecurityCurrentInterface	1	✓
ADuC836_DACSetCurrentDeviation	1	ADuC836_DACSetCurrentDeviation	1	✓

## Test Step 6.16 (Repeat Count = 1) ✓

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1		
bCurrentOn	1		
fDeviation	0.8		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	2	2	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	0	(SYSTEMCND_CURRENT_DEVIATION_C - 13) (0)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Diagnosis_SecurityCurrentInterface	1	Diagnosis_SecurityCurrentInterface	1	✓
ADuC836_DACSetCurrentDeviation	1	ADuC836_DACSetCurrentDeviation	1	✓

## Test Case 7: negativ Abweichung 500kg ✓

Specification 2.2.2.9 & 2.2.2.10

## Test Step 7.1 (Repeat Count = 1) ✓

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	0		
bCurrentOn	1		
fDeviation	-0.05		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	0	0	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	12	(SYSTEMCND_CURRENT_DEVIATION_C - 1) (12)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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## Test Step 7.2 (Repeat Count = 1) ✓

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	-0.161		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	11	(SYSTEMCND_CURRENT_DEVIATION_C - 2) (11)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 7.3 (Repeat Count = 1) ✓

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	-0.162		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	10	(SYSTEMCND_CURRENT_DEVIATION_C - 3) (10)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 7.4 (Repeat Count = 1) ✓

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	-0.2		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	9	(SYSTEMCND_CURRENT_DEVIATION_C - 4) (9)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 7.5 (Repeat Count = 1) ✓

Name	Input Value
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1
bCurrentOn	1
fDeviation	-0.25

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CurrentInterface\_EvaluateDeviation

Name	Input Value		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	8	(SYSTEMCND_CURRENT_DEVIATION_C - 5) (8)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 7.6 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	-0.3		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	7	(SYSTEMCND_CURRENT_DEVIATION_C - 6) (7)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 7.7 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	-0.35		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	6	(SYSTEMCND_CURRENT_DEVIATION_C - 7) (6)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 7.8 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	-0.4		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓

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CurrentInterface\_EvaluateDeviation

Name	Actual Value	Expected Value	Result
g_CurrentInterface.FeedBack.byMaxDeviationCounter	5	(SYSTEMCND_CURRENT_DEVIATION_C - 8) (5)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 7.9 (Repeat Count = 1)

Name	Input Value
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1
bCurrentOn	1
fDeviation	-0.45
g_CurrentInterface.FeedBack.fMaxDeviation	0.16
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter
target_pbyDisableFeedbackCounter	1

Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	4	(SYSTEMCND_CURRENT_DEVIATION_C - 9) (4)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 7.10 (Repeat Count = 1)

Name	Input Value
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1
bCurrentOn	1
fDeviation	-0.5
g_CurrentInterface.FeedBack.fMaxDeviation	0.16
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter
target_pbyDisableFeedbackCounter	1

Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	3	(SYSTEMCND_CURRENT_DEVIATION_C - 10) (3)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 7.11 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	-0.55		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	2	(SYSTEMCND_CURRENT_DEVIATION_C - 11) (2)	✓
target_pbyDisableFeedbackCounter	1	1	✓



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## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 7.12 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	-0.6		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✔
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✔
g_CurrentInterface.FeedBack.byMaxDeviationCounter	1	(SYSTEMCND_CURRENT_DEVIATION_C - 12) (1)	✔
target_pbyDisableFeedbackCounter	1	1	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 7.13 (Repeat Count = 1)

Name	Input Value
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1
bCurrentOn	1
fDeviation	-0.65
g_CurrentInterface.FeedBack.fMaxDeviation	0.16
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter
target_pbyDisableFeedbackCounter	1

Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	0	(SYSTEMCND_CURRENT_DEVIATION_C - 13) (0)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 7.14 (Repeat Count = 1)

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	-0.7		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	2	2	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	0	(SYSTEMCND_CURRENT_DEVIATION_C - 13) (0)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Diagnosis_SecurityCurrentInterface	1	Diagnosis_SecurityCurrentInterface	1	✓
ADuC836_DACSetCurrentDeviation	1	ADuC836_DACSetCurrentDeviation	1	✓

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CurrentInterface\_EvaluateDeviation

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## Test Step 7.15 (Repeat Count = 1) ✓

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	-0.75		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	2	2	✔
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✔
g_CurrentInterface.FeedBack.byMaxDeviationCounter	0	(SYSTEMCND_CURRENT_DEVIATION_C - 13) (0)	✔
target_pbyDisableFeedbackCounter	1	1	✔

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Diagnosis_SecurityCurrentInterface	1	Diagnosis_SecurityCurrentInterface	1	✓
ADuC836_DACSetCurrentDeviation	1	ADuC836_DACSetCurrentDeviation	1	✓

## Test Step 7.16 (Repeat Count = 1) ✓

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	-0.8		
g_CurrentInterface.FeedBack.fMaxDeviation	0.16		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	2	2	✔
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✔
g_CurrentInterface.FeedBack.byMaxDeviationCounter	0	(SYSTEMCND_CURRENT_DEVIATION_C - 13) (0)	✔
target_pbyDisableFeedbackCounter	1	1	✔

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Diagnosis_SecurityCurrentInterface	1	Diagnosis_SecurityCurrentInterface	1	✓
ADuC836_DACSetCurrentDeviation	1	ADuC836_DACSetCurrentDeviation	1	✓

## Test Case 8: Wechsel Vorzeichen MaxDeviationCounter ✓

### Test Step 8.1 (Repeat Count = 1) ✓

**Prolog** //Needed to run all Testcases/Steps at once  
g\_CurrentInterface.FeedBack.byMaxDeviationCounter = SYSTEMCND\_CURRENT\_DEVIATION\_COUNTER\_LIMIT - 1;

Name	Input Value
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1
bCurrentOn	1
fDeviation	-2
g_CurrentInterface.FeedBack.fMaxDeviation	1
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter
target_pbyDisableFeedbackCounter	1

Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	11	(SYSTEMCND_CURRENT_DEVIATION_C - 2) (11)	✓
target_pbyDisableFeedbackCounter	1	1	✓

### Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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## Test Step 8.2 (Repeat Count = 1) ✓

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	-2		
g_CurrentInterface.FeedBack.fMaxDeviation	1		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✔
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✔
g_CurrentInterface.FeedBack.byMaxDeviationCounter	10	(SYSTEMCND_CURRENT_DEVIATION_C - 3) (10)	✔
target_pbyDisableFeedbackCounter	1	1	✔

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 8.3 (Repeat Count = 1) ✓

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	0.5		
g_CurrentInterface.FeedBack.fMaxDeviation	1		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1	-1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	12	(SYSTEMCND_CURRENT_DEVIATION_C - 1) (12)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 8.4 (Repeat Count = 1) ✓

Name	Input Value		
CurrentInterface_EvaluateDeviation::chDeviationSign#1	-1		
bCurrentOn	1		
fDeviation	1.5		
g_CurrentInterface.FeedBack.fMaxDeviation	1		
pbyDisableFeedbackCounter	target_pbyDisableFeedbackCounter		
target_pbyDisableFeedbackCounter	1		
Name	Actual Value	Expected Value	Result
CurrentInterface_EvaluateDeviation()	1	1	✓
CurrentInterface_EvaluateDeviation::chDeviationSign#1	1	1	✓
g_CurrentInterface.FeedBack.byMaxDeviationCounter	11	(SYSTEMCND_CURRENT_DEVIATION_C - 2) (11)	✓
target_pbyDisableFeedbackCounter	1	1	✓

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓