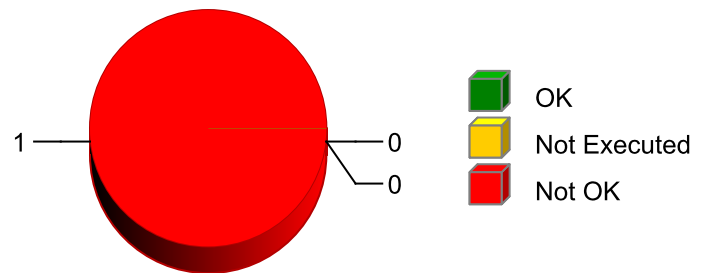


Summary

Total Test Objects: 1
Successful: 0
Failed: 1
Not Executed: 0
Date: 2020-01-31
Time: 17:35:45+0100

Overall Test Object Results (including Coverage)



Selected Project Items

Test Collection "example"

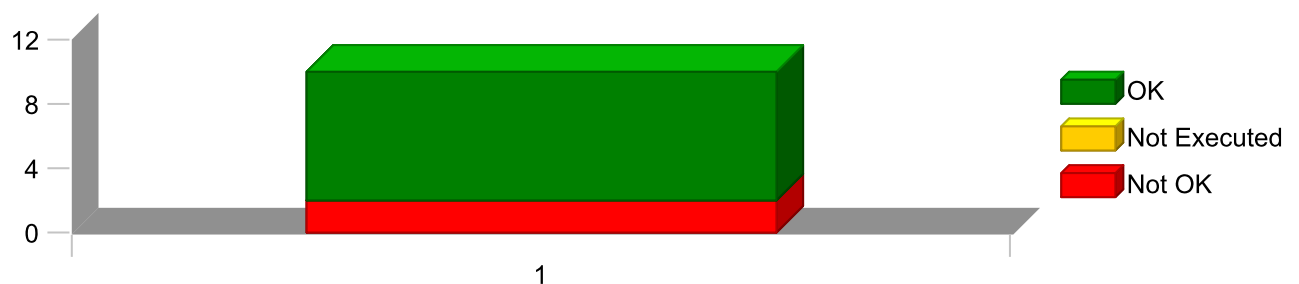
Used Test Environments

IAR ARM V5 IAR C-SPY (Default)

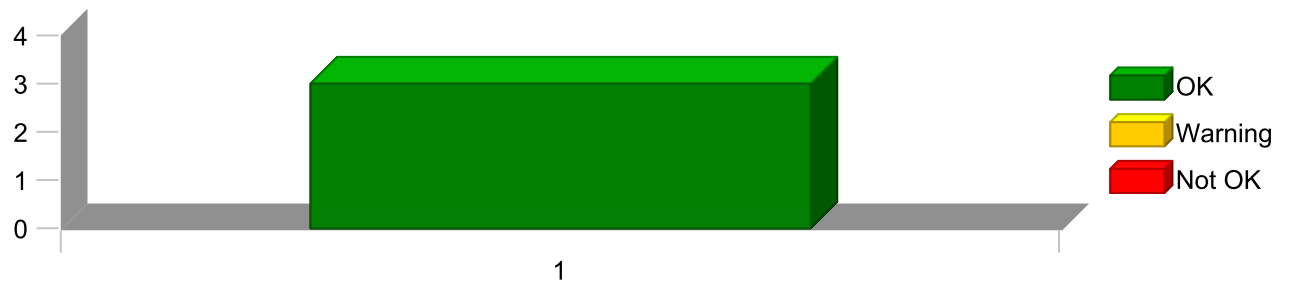
Batch Operation Settings

Check Interface: No
Generate Driver: No
Execute Test: Yes
Create New Test Run: No
Instrumentation: Test Object Only

Test Case Results for Each Test Object (without Coverage)



Cyclomatic Complexity (CC) for Each Test Object



TEST OVERVIEW REPORT

2020-01-31, 17:35:45+0100

Project IAR_ARM_CSpy_NXPS32K144_Sim



Test Object List

| No. | Name | Test Cases | Result |
|-----|-----------------------------------|----------------|--------|
| | IAR_ARM_CSpy_NXPS32K144_Sim | 2 of 10 failed | ✖ |
| | example | 2 of 10 failed | ✖ |
| | my_folder | 2 of 10 failed | ✖ |
| | range | 2 of 10 failed | ✖ |
| 1 | is_value_in_range | 2 of 10 failed | ✖ |



Metrics List

| No. | Name | CC | TC/C | RS |
|-----|-----------------------------------|----|------|----|
| | IAR_ARM_CSpy_NXPS32K144_Sim | 3 | 3.33 | ✓ |
| | example | 3 | 3.33 | ✓ |
| | my_folder | 3 | 3.33 | ✓ |
| | range | 3 | 3.33 | ✓ |
| 1 | is_value_in_range | 3 | 3.33 | ✓ |

TEST DETAILS REPORT

2020-01-31, 17:35:39+0100



is_value_in_range

| | |
|-------------|-----------------------------|
| Project | IAR_ARM_CSpy_NXPS32K144_Sim |
| Module | range |
| Test Object | is_value_in_range |

Metrics

| | |
|--------------------------------------|-----|
| Cyclomatic complexity (CC) | 3 |
| Test case to complexity ratio (TC/C) | 3.3 |
| Result significance (RS) | ✓ |

Statistics

| | |
|-----------------|----|
| Total Testcases | 10 |
| Successful | 8 |
| Failed | 2 |
| Not Executed | 0 |

Module Properties

| | |
|------------------------|---|
| Project Root Directory | D:\TESSY_Projekte\V41\IAR_ARM_CSpy_NXPS32K144_Sim |
| Configuration File | \$(PROJECTROOT)\tessy\config\configuration.xml |
| Target Environment | IAR ARM V5 IAR C-SPY (Default) |
| Kind of Test | Unit Test |
| Linker Options | |
| Source File(s) | |
| File | \$(PROJECTROOT)\src\is_val_in_range.c |
| | Revision: 1 |

| Attributes | |
|------------------|---|
| Name | Value |
| CPU | Cortex-M4 |
| Enable C-SPY Bat | true |
| Endianness | little |
| InitObjDir | |
| InitSrcDir | |
| Linker File | \$(PROJECTROOT)\tessy\config\S32K144.icf |
| Project File | \$(PROJECTROOT)\tessy\config\ts_slave.ewp |
| Setup File | \$(PROJECTROOT)\tessy\config\ts_slave.ewd |

Usercode**Declarations**

```
/*  
 * This is a declaration.  
 */
```

Definitions

```
/*  
 * This is a definition.  
 */
```

Test Object Prolog

```
/* Testobject Prolog */
```

Test Object Epilog

```
/* Testobject Epilog */
```

Test Case 1: Simple ✓

| | |
|----------------------|---|
| Specification | <ul style="list-style-type: none">- Range Start:Positive- Range Length:Positive- Position:Inside<ul style="list-style-type: none">- Position in Range:Middle |
| Description | The normal combinations using positive numbers for range and position. The normal combinations using positive numbers for range and position 2. The normal combinations using positive numbers for range and position 3. The normal combinations using positive numbers for range and position 4. |
| Comment | This is Ä¶ comment. |
| Prolog | /* Testcase Prolog 1 */ |
| Epilog | /* Testcase Epilog 1 */ |

Test Case 2 ✓

| | |
|----------------------|---|
| Specification | <ul style="list-style-type: none">- Range Start:Positive- Range Length:Positive- Position:Outside<ul style="list-style-type: none">- Where ? :Above |
|----------------------|---|

Test Case 3 ✓

| | |
|----------------------|--|
| Specification | <ul style="list-style-type: none">- Range Start:Zero- Range Length:Positive- Position:Inside<ul style="list-style-type: none">- Position in Range:Upper Border |
|----------------------|--|

Test Case 4 ✓

| | |
|----------------------|--|
| Specification | <ul style="list-style-type: none">- Range Start:Negative- Range Length:Positive- Position:Inside<ul style="list-style-type: none">- Position in Range:Lower Border |
|----------------------|--|

Test Case 5: Length=0 ✓

| | |
|----------------------|---|
| Specification | <ul style="list-style-type: none">- Range Start:Positive- Range Length:Zero- Position:Outside<ul style="list-style-type: none">- Where ? :Above |
| Description | Special case: Length of range equals zero. |

Test Case 6 ✓

| | |
|----------------------|---|
| Specification | <ul style="list-style-type: none">- Range Start:Zero- Range Length:Zero- Position:Outside<ul style="list-style-type: none">- Where ? :Below |
|----------------------|---|

Test Case 7 ✓

| | |
|----------------------|--|
| Specification | <ul style="list-style-type: none">- Range Start:Negative- Range Length:Zero- Position:Inside<ul style="list-style-type: none">- Position in Range:Middle |
|----------------------|--|

Test Case 8: Special

- Specification**
- Range Start:Positive
 - Range Length:Negative
 - Position:Inside
 - Position in Range:Middle

Description More sophisticated tests.

Test Case 9

- Specification**
- Range Start:Negative
 - Range Length:Negative
 - Position:Inside
 - Position in Range:Upper Border

Test Case 10

- Specification**
- Range Start:Zero
 - Range Length:Negative
 - Position:Outside
 - Where ? :Above