### BOOT\_ChooseAndLoadSW\_CLSW

#### BOOT\_FailMode

This function configures LEDs, sets the COMPAGNON PLD to fail mode and sets the GPIO discrete out FAIL

Prototype:

void BOOT\_FailMode(void)

Parameters:

Function return : Not used

Calls:

LIBBSP\_GPIO\_Configure

LIBBSP\_GPIO\_Write

LIBBSP\_SHM\_SetMode

LIBBSP\_PLDCMP\_WriteFailDisc

Preconditions:

None

##### Input Data

Data:

None

Preconditions:

None

##### Output Data

Data:

None

##### Requirements

REQ\_SDDD\_BOOT\_000xx-0x

*[COV.REQ\_SRD\_BOOT\_00102]*

BOOT\_FailMode

|  |  |
| --- | --- |
|  | Causes |
| Effects | **[**Configure GPIO driver**]**  **[**Turn off the green Led**]**  **[**Turn off the yellow Led**]**  **[**Turn on the red Led**]**  **[**Swich the COMPAGNON PLD to fail mode**]**  **[**Set the GPIO discrete out FAIL**]**  Go to an infinite loop |

**[**Configure GPIO driver**]** corresponds to the following call:

**LIBBSP\_GPIO\_Configure**

* **Function return:** Not used

**[**Turn off the green Led**]** corresponds to the following call:

**LIBBSP\_GPIO\_Write**

* **Function return:** Not used
* **IN**: E\_LIBBSP\_GPIO\_GREEN\_LED
* **IN**: {FALSE}

**[**Turn off the yellow Led**]** corresponds to the following call:

**LIBBSP\_GPIO\_Write**

* **Function return:** Not used
* **IN**: E\_LIBBSP\_GPIO\_YELLOW\_LED
* **IN**: FALSE

**[**Turn on the red Led**]** corresponds to the following call:

**LIBBSP\_GPIO\_Write**

* **Function return:** Not used
* **IN**: E\_LIBBSP\_GPIO\_ RED\_LED
* **IN**: {FALSE}

**[**Swich the COMPAGNON PLD to fail mode**]** corresponds to the following call:

**LIBBSP\_SHM\_SetMode**

* **Function return:** Not used
* **IN:** E\_LIBBSP\_SHM\_FAILURE\_STATE
* **IN**: C\_PLD\_COMPAGNON\_FAIL\_SWITCH\_GOLDEN

**[**Set the GPIO discrete out FAIL**]** corresponds to the following call:

**LIBBSP\_PLDCMP\_WriteFailDisc**

* **Function return:** Not used
* **IN**: C\_PLD\_COMPAGNON\_DSO\_SYSFAIL\_GOLDEN

Traceability: Refined

Rationale:

Mean of verification: Test

[END\_REQ\_SDDD\_BOOT\_ BOOT\_FailMode\_000xx-0x]