Mode and status propagation

Project TFS path: $/Firmware-SVI II AP FF/FD-SW

Project changeset version: 35391-35392

Starting point: Calc\_block\_mode

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | FD-SW/base/appl/ffbl/src/ffbl\_mo.c | Review Date | Reviewer |
|  | | | | |
| Function or data | | Calc\_block\_mode | 15-05-18 | AK |
|  | | | | |
| TFS wit | 24452 | The function is public and is in fact used also in AO and DO. The change made for the benefit of PID may be inappropriate for global use. | | |
| Impact | | Probably, a function error. A safer modification would be in Calc\_block\_mode\_PIDFB | | |
| Resolution | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | FD-SW/target/inc/ff/fbap.h | Review Date | Reviewer |
|  | | | | |
| Function or data | | SUB\_NS | 15-05-18 | AK |
|  | | | | |
| TFS wit |  | NO FINDINGS | | |
| Impact | |  | | |
| Resolution | | Just a comment added | | |

Project TFS path: $/Firmware-SVI II AP FF/FD-SW

Project changeset version: 35688

Starting point: Write PROPAGATE configuration

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | FD-SW/base/appl/ffbl/inc/ffbl\_res.h | Review Date | Reviewer |
|  | | | | |
| Function or data | | Symbloic names - new | 15-05-18 | AK |
|  | | | | |
| TFS wit |  | NO FINDINGS | | |
| Impact | |  | | |
| Resolution | |  | | |
|  | | | | |
| Containing file | | FD-SW/target/appl/fdev/src/appl\_ptb.c | Review Date | Reviewer |
|  | | | | |
| Function or data | | fffs\_WritePropagateMode | 15-05-18 | AK |
| TFS wit |  | NO FINDINGS | | |
| Impact | |  | | |
| Resolution | |  | | |
|  | | | | |

Project TFS path: $/Firmware-SVI II AP FF/FD-SW

Project changeset version: 35693 (Continued from 35688)

Starting point: Use of PROPAGATE configuration

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | FD-SW/target/appl/fdev/src/mn\_failed\_state.c | Review Date | Reviewer |
|  | | | | |
| Function or data | | fffs\_WritePropagateMode | 15-05-18 | AK |
| TFS wit |  | Sub-expressions not parenthesized | | |
| Impact | | Coding standard | | |
| Resolution | |  | | |
| TFS wit |  | It is simpler to first retrieve the byte and then compare with MN\_PROPAGATE\_RB\_OOS etc. once. | | |
| Impact | | Code duplication | | |
| Resolution | |  | | |
| TFS wit |  | Delete/Add lost traceability. The only way to run over a file is with branch. Even at that, it is better to first *rename* the original version | | |
| Impact | | Development Process | | |
| Resolution | | NEVER DO THIS AGAIN! Make a proposal for recovery. | | |
|  | | | | |
| Containing file | | FD-SW/base/appl/ffbl/src/ffbl\_bas.c | Review Date | Reviewer |
|  | | | | |
| Function or data | | p\_PTB->failed\_state.propagate\_mode in ffbl\_bas\_calc\_block\_mode | 15-05-18 | AK |
| TFS wit | 24453 | The change appears incorrect: The function is used in AI, AR, DI, IS, MAI, CS blocks that may not be affected by TB configuration | | |
| Impact | | Wrong functionality | | |
| Resolution | |  | | |
|  | | | | |
| Containing file | | FD-SW/base/appl/ffbl/src/ffbl\_os.c | Review Date | Reviewer |
|  | | | | |
| Function or data | | p\_PTB->failed\_state.propagate\_mode in Calc\_block\_mode\_OSFB | 15-05-18 | AK |
| TFS wit | 24453 | The change appears incorrect: Mode transition may not be affected by TB configuration | | |
| Impact | | Wrong functionality | | |
| Resolution | |  | | |
| TFS wit |  | It is simpler to first retrieve the byte and then compare with MN\_PROPAGATE\_RB\_OOS etc. once. | | |
| Impact | | Code duplication | | |
| Resolution | |  | | |

Project TFS path: $/Firmware-SVI II AP FF/FD-SW

Project changeset version: 35828

Starting point: Calc\_block\_mode

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | FD-SW/base/appl/ffbl/src/ffbl\_mo.c | Review Date | Reviewer |
|  | | | | |
| Function or data | | p\_PTB->failed\_state.propagate\_mode in Calc\_block\_mode | 15-05-18 | AK |
|  | | | | |
| TFS wit | 24453 | The function is public and is in fact used in PID, AO and DO. Does the change made for TB apply at all and if so, equally to all callers? Compare with review of ffbl\_bas\_calc\_block\_mode above | | |
| Impact | | Probably, a function error. We may need to get rid of this dangerous function altogether | | |
| Resolution | |  | | |
| Containing file | | FD-SW/base/appl/ffbl/src/ffbl\_mo.c  FD-SW/base/appl/ffbl/src/ffbl\_bas.c  FD-SW/base/appl/ffbl/src/ffbl\_os.c | Review Date | Reviewer |
|  | | | | |
| Function or data | | p\_PTB->failed\_state.propagate\_mode | 15-05-18 | AK |
|  | | | | |
| TFS wit | 24454 | Apparent duplication of functionality. | | |
| Impact | | I doubt that 3 ways of mode calculation can be made/maintained right | | |
| Resolution | |  | | |