Data Path: TB mode/setpoint/position propagation

Project TFS path: $/FW SVI FF Releases/Release1/FD-SW

Project changeset version: 34719

Starting point: Appl\_handle\_HART\_cmd

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Containing file | | | FD-SW\target\appl\fdev\src\appl\_ptb.c | Review Date | Reviewer |
| Function or data | | | Appl\_handle\_HART\_cmd, case CMD\_177\_READ\_PROCESS\_PARAMETERS | 14-02-27 | AK |
|  | | | | | |
| TFS wit |  | | NO FINDINGS | | |
| Impact | | |  | | |
| Resolution | | |  | | |
|  | | | | | |
| Containing file | | | FD-SW\target\appl\fdev\src\mntbmspff.c | Review Date | Reviewer |
| Function or data | | | mnipc\_SendSpAndMode | 14-02-27 | AK |
| TFS wit | |  | NO FINDINGS | | |
| Impact | | |  | | |
| Resolution | | |  | | |
|  | | | | | |
| Function or data | | | mnipc\_ReceiveSpAndMode | 14-02-27 | AK |
| TFS wit | |  | p\_resource\_ vs. p\_RTB confusing redundant use  Redundant analysis of HartRsp2 | | |
| Impact | | | No immediate issue but confusing and error-prone | | |
| Resolution | | |  | | |
|  | | | | | |
| Function or data | | | mnipc\_ReceiveSpAndMode | 14-02-27 | AK |
| TFS wit | |  | When readback\_select == READBACK\_SELECT\_WORKINGPOS, readback is always one message behind because p\_PTB->working\_pos has not been populated | | |
| Impact | | | Not a terrible thing because READBACK\_SELECT\_WORKINGPOS is only good for presentation purposes (*per Vladimir*), but is best fixed. A simple fix is (a) a comment, and (b) change the order of calls in Appl\_handle\_HART\_cmd | | |
| Resolution | | |  | | |
|  | | | | | |