**Implementation of cmd 177**

Project TFS path: $/FW SVI FF Releases/Release1/FIRMWARE

Project Change Set: 34879

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | FIRMWARE\interface\hart\hart\_ipc.c | Review Date | Reviewer |
| Function or data | | hartcmd\_IPCDynamicParametersExchange( ) | 04/1/2014 | VICTORIA |
|  | | | | |
| TFS wit |  |  | | |
| Impact | |  | | |
| Resolution | | The head is unclear. | | |
|  | |  | | |
|  | | | | |
| Function or data | | IPC\_WriteSetPoint( ) | 04/1/2014 | VICTORIA |
|  | | | | |
| TFS wit |  | NO FINDINGS | | |
| Impact | |  | | |
| Resolution | | There is no head. | | |
| Function or data | | IPC\_ReadPosition ( ), Variable\_WorkingPosition | 04/1/2014 | VICTORIA |
|  | | | | |
| TFS wit |  | Line 389, return ERR\_OK. If we always return the same value, why we need a return value? | | |
| Impact | |  | | |
| Resolution | | There is no head. We can change the function to void type. | | |
| Function or data | | IPC\_GetActualMode ( ) | 04/1/2014 | VICTORIA |
|  | | | | |
| TFS wit |  | NO FINDINGS | | |
| Impact | |  | | |
| Resolution | | There is no head. | | |
| Function or data | | IPC\_Process\_DOSwitches ( ) | 04/1/2014 | VICTORIA |
|  | | | | |
| TFS wit |  | NO FINDINGS | | |
| Impact | |  | | |
| Resolution | | There is no head. | | |
| Function or data | | ReadShortVariable ( ), SearchTranslationTable( ) | 04/1/2014 | VICTORIA |
|  | | | | |
| TFS wit |  | NO FINDINGS | | |
| Impact | |  | | |
| Resolution | | There is no head. | | |
| Function or data | | IPC\_SetIPAction ( ) | 04/1/2014 | VICTORIA |
|  | | | | |
| TFS wit |  | NO FINDINGS | | |
| Impact | |  | | |
| Resolution | | There is no head. | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | FIRMWARE\interface\fpconvert.c | Review Date | Reviewer |
| Function or data | | fpconvert\_FloatBufferToInt32Clamped ( ), fpconvert\_FloatBufferToInt( ), fpconvert\_GetConvertParam( ),  fpconvert\_GetCustomConvertParam( ),  fpconvert\_FloatToInt\_Internal( ),  fpconvert\_Clamp32( ) | 04/1/2014 | VICTORIA |
|  | | | | |
| TFS wit |  | In line 316 of function fpconvert\_GetCustomConvertParam( ), there is a hard code 2U, and we use index id/2U several times, we can calculate this once to avoid the repeat calculate. | | |
| Impact | |  | | |
| Resolution | | Use a variable to replace the expression--id/2U. | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | FIRMWARE\services\project\_FFAP\okctlmodes.c | Review Date | Reviewer |
| Function or data | | digsp\_SetDigitalSetpointEx( ) | 04/1/2014 | VICTORIA |
|  | | | | |
| TFS wit |  | NO FINDINGS | | |
| Impact | |  | | |
| Resolution | |  | | |
| Function or data | | digsp\_GetExternalMode ( ) | 04/1/2014 | VICTORIA |
|  | | | | |
| TFS wit |  | NO FINDINGS | | |
| Impact | |  | | |
| Resolution | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | FIRMWARE\sysio\position.c | Review Date | Reviewer |
| Function or data | | vpos\_GetScaledPosition ( ), m\_PosState | 04/1/2014 | VICTORIA |
|  | | | | |
| TFS wit |  | NO FINDINGS | | |
| Impact | |  | | |
| Resolution | |  | | |
|  | | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | FIRMWARE\ sysio \poscharact.c | Review Date | Reviewer |
| Function or data | | poscharact\_Inverse ( ), poscharact\_Characterize ( ), PosCharactTab | 04/1/2014 | VICTORIA |
|  | | | | |
| TFS wit |  | NO FINDINGS | | |
| Impact | |  | | |
| Resolution | |  | | |
|  | | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | FIRMWARE\utilities\configure.c | Review Date | Reviewer |
| Function or data | | cnfg\_GetOptionConfigFlag ( ) | 04/1/2014 | VICTORIA |
|  | | | | |
| TFS wit |  | NO FINDINGS | | |
| Impact | |  | | |
| Resolution | |  | | |
|  | | | | |
| Function or data | | cnfg\_GetFlagFromOptionConfig ( ) | 04/1/2014 | VICTORIA |
|  | | | | |
| TFS wit |  | NO FINDINGS | | |
| Impact | |  | | |
| Resolution | |  | | |
|  | | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | FIRMWARE\sysio\doswitchff.c | Review Date | Reviewer |
| Function or data | | dosw\_SetPassthroughValues ( ), DO\_Passthrough | 04/1/2014 | VICTORIA |
|  | | | | |
| TFS wit |  | NO FINDINGS | | |
| Impact | |  | | |
| Resolution | | There is no head. | | |
|  | | | | |