Partial Stroke Test Processing

## Release ? items

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

Project changeset version: 61304

Starting point: Partial Stroke Test Diagnostic starting from process\_Exec

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| Containing file | | Firmware-SVI II AP FF/Firmware/services/  faultman.c | Review Date | Reviewer |
| Function or data | | **error\_IsAnyFaultWithAttributes** | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No comments | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **error\_GetFaultCategoryMap (Macro)**  Calls **TypeUnsafe\_error\_GetFaultCategoryMap** | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/services/  faultcat.c | Review Date | Reviewer |
| Function or data | | categoryDef | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | Static variable of FaultCategoryMap\_t type | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/  services/Project\_FFAP/ftable.c | Review Date | Reviewer |
| Function or data | | faultCatDefaults | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | Global variable of FaultCategoryMap\_t type | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/services/  faultcat.c | Review Date | Reviewer |
| Function or data | | **TypeUnsafe\_error\_GetFaultCategoryMap** | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No comments | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **oswrap\_IsOSRunning (Macro)**  **STRUCT\_GET (Macro)** | | |
| Data Required | | static FaultCategoryMap\_t categoryDef  global const FaultCategoryMap\_t faultCatDefaults | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/diagnostics/  pstshell.c | Review Date | Reviewer |
| Function or data | | PSTrigger | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | Static variable of PSTrigger\_t type | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/diagnostics/  pstshell.c | Review Date | Reviewer |
| Function or data | | **pst\_IsPSTAllowed** | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | Add function header | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static PSTrigger\_t PSTrigger | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/services/  bufferhandler.c | Review Date | Reviewer |
| Function or data | | m\_DiagnosticBuffer | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static const variable of type:  struct  {  diag\_t \*buf; (diag\_t == s16)  size\_t lognelem;  } | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/services/  bufferhandler.c | Review Date | Reviewer |
| Function or data | | **buffer\_GetXDiagnosticBuffer** | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | Update function header for parameters | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | NUM\_DIAG\_BUFFERS (Macro)  static const struct  {  diag\_t \*buf; (diag\_t == s16)  size\_t lognelem;  } m\_DiagnosticBuffer[NUM\_DIAG\_BUFFERS] | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/control/  ctllimits.c | Review Date | Reviewer |
| Function or data | | CtlLimState | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static const variable of type CtlLimState\_t | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/control/  ctllimits.c | Review Date | Reviewer |
| Function or data | | **ctllim\_GetRangeBoundedSetpoint** | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No check that the CtlLimState structure is still valid. | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static CtlLimState\_t CtlLimState | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/diagnostics/  pstshell.c | Review Date | Reviewer |
| Function or data | | pst\_abort | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | Static variable of type pst\_abort\_t | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/diagnostics/  pstshell.c | Review Date | Reviewer |
| Function or data | | pst\_abort\_default | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | Static variable of type pst\_abort\_t | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/sysio/  position.c | Review Date | Reviewer |
| Function or data | | m\_PosState | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | Static variable of type PosState\_t | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/sysio/  position.c | Review Date | Reviewer |
| Function or data | | **vpos\_GetScaledPosition** | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No check that the m\_PosState structure is still valid. | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static PosState\_t m\_PosState | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/diagnostics/  pst.c | Review Date | Reviewer |
| Function or data | | m\_PSTConf | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | Static variable of type PSTConf\_t | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/diagnostics/  pst.c | Review Date | Reviewer |
| Function or data | | **diag\_GetPstData** | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **STRUCT\_TESTGET (Macro)** | | |
| Data Required | | static PosState\_t m\_PosState | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/control/  ctllimits.c | Review Date | Reviewer |
| Function or data | | m\_CtlLimits\_backup | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | Static variable of type CtlLimits\_t | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/control/  ctllimits.c | Review Date | Reviewer |
| Function or data | | **ctllim\_GetPermLimits** | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **STRUCT\_TESTGET (Macro)** | | |
| Data Required | | static CtlLimits\_t m\_CtlLimits\_backup | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/control/  ctllimits.c | Review Date | Reviewer |
| Function or data | | **control\_TestCtlLimits** | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | |  | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/control/  ctllimits.c | Review Date | Reviewer |
| Function or data | | **control\_SetTentativeLimits** | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **control\_TestCtlLimits** | | |
| Data Required | | static CtlLimits\_t m\_CtlLimits; | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/control/  atune.c | Review Date | Reviewer |
| Function or data | | wrk\_ctlset | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | Static variable of type PIDData\_t | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/  control/atune.c | Review Date | Reviewer |
| Function or data | | **tune\_GetWorkinPIDData** | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | Add function header | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **STRUCT\_TESTGET (Macro)** | | |
| Data Required | | static PIDData\_t wrk\_ctlset; | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/control/  atune.c | Review Date | Reviewer |
| Function or data | | def\_PIDData | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static const variable of PIDData\_t | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/  control/atune.c | Review Date | Reviewer |
| Function or data | | **tune\_SetRamPIDData** | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | Add return value to function header | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **Struct\_Copy (Macro)** | | |
| Data Required | | static const PIDData\_t def\_PIDData | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/  control/atune.c | Review Date | Reviewer |
| Function or data | | **tune\_SetCurrentPIDData** | 7/10/2019 | DLH |
|  | | | | |
| TFS wit |  | Add function header | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **tune\_SetRamPIDData** | | |
| Data Required | | static PIDData\_t wrk\_ctlset; | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/diagnostics/  project\_FFAP/pstfreeze.c | Review Date | Reviewer |
| Function or data | | **pst\_Freeze** | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No function header | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **ctllim\_GetPermLimits**  **diag\_GetPstData**  **control\_SetTentativeLimits**  **tune\_GetWorkinPIDData**  **tune\_SetCurrentPIDData** | | |
| Data Required | | Local PstFreeze\_t PstFreeze\_freeze | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/framework/  timer.c | Review Date | | Reviewer |
| Function or data | | tickCounter | 7/1/2019 | | DLH |
|  | | | | | |
| TFS wit |  | No comment | | | |
| Impact | |  | | | |
| Additional | | Carried over from R3 | | | |
| Resolution | |  | | | |
| Function Calls | |  | | | |
| Data Required | | Static variable of type volatile u64 | | | |
| Containing file | | Firmware-SVI II AP FF/Firmware/framework/  timer.c | | Review Date | Reviewer |
| Function or data | | **timer\_GetTicks** | | 7/1/2019 | DLH |
|  | | | | | |
| TFS wit |  | No Comment | | | |
| Impact | |  | | | |
| Additional | | Carried over from R3 | | | |
| Resolution | |  | | | |
| Function Calls | |  | | | |
| Data Required | | static volatile u64 tickCounter | | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/framework/  timer.c | Review Date | Reviewer |
| Function or data | | **timer\_GetTicksSince** | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static volatile u64 tickCounter | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/includes/  crc.h | Review Date | Reviewer |
| Function or data | | **storeByte** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | Lines 191, 195: Remove lines | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | |  | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/includes/  crc.h | Review Date | Reviewer |
| Function or data | | **storeUShort** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  |  | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | |  | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/includes/  crc.h | Review Date | Reviewer |
| Function or data | | **storeULong** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No function header | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | |  | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/includes/  crc.h | Review Date | Reviewer |
| Function or data | | **storeULongLong** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  |  | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | |  | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/includes/  crc.h | Review Date | Reviewer |
| Function or data | | **storeMemberInt** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No comment (Macro) | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **storeByte**  **storeUShort**  **storeULong**  **storeULongLong** | | |
| Data Required | |  | | |
| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/  process.c | Review Date | Reviewer |
| Function or data | | procdata | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | Static variable of type ProcData\_t | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/  proctable.c | Review Date | Reviewer |
| Function or data | | mopuplist | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | Global array variable of type MopupFunc\_t | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/  process.c | Review Date | Reviewer |
| Function or data | | mopuplist\_size | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | Static variable of type u8 | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/  process.c | Review Date | Reviewer |
| Function or data | | **process\_MopupSrv** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No function header | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **MN\_ENTER\_CRITICAL (Macro)**  **storeMemberInt** (Macro)  **MN\_EXIT\_CRITICAL (Macro)** | | |
| Data Required | | static ProcData\_t procdata  MopupFunc\_t \* const mopuplist[]  const u8 mopuplist\_size | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/  process.c | Review Date | Reviewer |
| Function or data | | **ComputeDelay** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **timer\_GetTicksSince**  **MIN (Macro)** | | |
| Data Required | | PROCESS\_DELAY\_QUANTUM (Macro) | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/services/  syswd.c | Review Date | Reviewer |
| Function or data | | **taskmask** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | Add function header. | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | |  | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/services/  syswd.c | Review Date | Reviewer |
| Function or data | | WDTInstrum | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | Static variable of type WDTInstrum\_t | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/services/  syswd.c | Review Date | Reviewer |
| Function or data | | **wdtinstrum** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | Add function header | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **Timer\_GetTicks** | | |
| Data Required | | WDTInstrum\_t WDTInstrum | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/framework/bios/  watchdog.c | Review Date | Reviewer |
| Function or data | | **wdog\_WatchdogTrigger** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **MN\_ENTER\_CRITICAL**  **MN\_EXIT\_CRITICAL** | | |
| Data Required | |  | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/services/  syswd.c | Review Date | Reviewer |
| Function or data | | wdogmon | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static uninitialized variable of type wdogmon\_t | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/services/  syswd.c | Review Date | Reviewer |
| Function or data | | **syswd\_TickleWatchdog** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **MN\_ENTER\_CRITICAL (Macro)**  **taskmask**  **wdtinstrum**  **wdog\_WatchdogTrigger**  **storeMemberInt (Macro)**  **MN\_EXIT\_CRITICAL (Macro)** | | |
| Data Required | | PROCESS\_DELAY\_QUANTUM (Macro)  static MN\_NO\_INIT wdogmon\_t wdogmon; | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/includes/  innerwrap.h | Review Date | Reviewer |
| Function or data | | **cpu\_get\_psw** | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | Add function header | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **\_\_get\_PRIMASK** | | |
| Data Required | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/includes/  innerwrap.h | Review Date | Reviewer |
| Function or data | | **cpu\_save\_psw\_and\_disable** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | Add function header | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **cpu\_get\_psw**  **\_\_set\_PRIMASK** | | |
| Data Required | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/includes/  innerwrap.h | Review Date | Reviewer |
| Function or data | | **mn\_enter\_critical (Macro)** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **cpu\_save\_psw\_and\_disable** | | |
| Data Required | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/includes/  innerwrap.h | Review Date | Reviewer |
| Function or data | | **mn\_disable (Macro)** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **mn\_enter\_critical (Macro)** | | |
| Data Required | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/includes/  crc.c | Review Date | Reviewer |
| Function or data | | **hcrc\_step** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | Add function header | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/includes/  crc.c | Review Date | Reviewer |
| Function or data | | **hCrc16** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **hcrc\_step** | | |
| Data Required | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/includes/  crc.h | Review Date | Reviewer |
| Function or data | | **CrcNormal (Macro)** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **hCrc16** | | |
| Data Required | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/services/  mnassert.c | Review Date | Reviewer |
| Function or data | | **assert\_msg** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static variable of type assert\_t | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/services/  mnassert.c | Review Date | Reviewer |
| Function or data | | **mn\_GetAssertId** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **MN\_ENTER\_CRITICAL (Macro)**  **CrcNormal (Macro)**  **MN\_EXIT\_CRITICAL (Macro)** | | |
| Data Required | | static MN\_NO\_INIT assert\_t assert\_msg | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/services/  mnassert.c | Review Date | Reviewer |
| Function or data | | **mn\_rt\_assert\_prep** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | Update function header with return value | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **mn\_GetAssertId**  **CrcNormal (Macro)** | | |
| Data Required | | static MN\_NO\_INIT assert\_t assert\_msg | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/utilities/  utilities.c | Review Date | Reviewer |
| Function or data | | **bin2bcd2** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | |  | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/includes/  Innerwrap.h | Review Date | Reviewer |
| Function or data | | **mn\_abs (Macro)** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **abs (System call)** | | |
| Data Required | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/utilities/  utilities.c | Review Date | Reviewer |
| Function or data | | **ut\_bin2asc** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **mn\_abs (Macro)**  **MIN (Macro)**  **bin2bcd2** | | |
| Data Required | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/includes/  Innerwrap.h | Review Date | Reviewer |
| Function or data | | **mn\_memcpy (Macro)** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **memcpy (System call)** | | |
| Data Required | |  | | |

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| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/bios/  lcd.c | Review Date | Reviewer |
| Function or data | LcdInfo | 7/2/2019 | DLH |
|  | | | |
| TFS wit | No Comment | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls |  | | |
| Data Required | Static variable of lcd\_information\_t type | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/framework/bios/  lcd.c | Review Date | Reviewer |
| Function or data | | **bios\_LcdWriteNumber** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | Update function header with return value | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **MIN (Macro)**  **ut\_bin2asc**  **MN\_ENTER\_CRITICAL (Macro)**  **mn\_memcpy (Macro)**  **MN\_EXIT\_CRITICAL (Macro)** | | |
| Data Required | | static lcd\_information\_t LcdInfo; | | |

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| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/bios/  lcd.c | Review Date | Reviewer |
| Function or data | **Lcd\_Copy** | 7/2/2019 | DLH |
|  | | | |
| TFS wit | Add function header | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls |  | | |
| Data Required |  | | |

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| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/bios/  lcd.c | Review Date | Reviewer |
| Function or data | **lcd\_PutTextExt** | 7/2/2019 | DLH |
|  | | | |
| TFS wit | Add function header | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls | **MN\_ENTER\_CRITICAL (Macro)**  **Lcd\_Copy**  **MN\_EXIT\_CRITICAL (Macro)** | | |
| Data Required |  | | |

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| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/bios/  lcd.c | Review Date | Reviewer |
| Function or data | **bios\_PutText** | 7/2/2019 | DLH |
|  | | | |
| TFS wit | Add function header | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls | **bios\_PutTextExt** | | |
| Data Required |  | | |

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| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/  sysio/lcdui/ui\_io.c | Review Date | Reviewer |
| Function or data | **ass** | 7/2/2019 | DLH |
|  | | | |
| TFS wit | Add function header | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls | **bios\_PutText** | | |
| Data Required |  | | |

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| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/  bios/Project\_FFAP/spi.c | Review Date | Reviewer |
| Function or data | **spi\_Sio0Select** | 7/2/2019 | DLH |
|  | | | |
| TFS wit | No comment | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls |  | | |
| Data Required |  | | |

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| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/  bios/project\_FFAP/gpio\_key.c | Review Date | Reviewer |
| Function or data | **lcd\_SelectExtLCD** | 7/2/2019 | DLH |
|  | | | |
| TFS wit | No comment | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls | **gpio\_BitReset** | | |
| Data Required | CSB\_LCD (Macro) | | |

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| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/  bios/project\_FFAP/gpio\_key.c | Review Date | Reviewer |
| Function or data | **lcd\_SetCommandMode\_ExtLCD** | 7/2/2019 | DLH |
|  | | | |
| TFS wit | No comment | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls | **gpio\_BitReset** | | |
| Data Required | RS\_LCD (Macro) | | |

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| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/  bios/project\_FFAP/spi.c | Review Date | Reviewer |
| Function or data | **spi\_Write8bit\_Ch0** | 7/2/2019 | DLH |
|  | | | |
| TFS wit | No comment | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls |  | | |
| Data Required |  | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/  bios/project\_FFAP/gpio\_key.c | Review Date | Reviewer |
| Function or data | **lcd\_SetDataMode\_ExtLCD** | 7/2/2019 | DLH |
|  | | | |
| TFS wit | No comment | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls | **gpio\_BitSet** | | |
| Data Required | RS\_LCD | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/  bios/project\_FFAP/gpio\_key.c | Review Date | Reviewer |
| Function or data | **lcd\_DeSelectExtLCD** | 7/2/2019 | DLH |
|  | | | |
| TFS wit | No comment | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls | **gpio\_BitSet** | | |
| Data Required | CSB\_LCD | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/  bios/lcd.c | Review Date | Reviewer |
| Function or data | **LcdWriteCommand** | 7/2/2019 | DLH |
|  | | | |
| TFS wit | No comment | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls | **lcd\_SelectExtLCD**  **lcd\_SetCommandMode\_ExtLCD**  **spi\_Write8bit\_Ch0**  **lcd\_SetDataMode\_ExtLCD**  **lcd\_DeSelectExtLCD** | | |
| Data Required |  | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/  bios/project\_FFAP/spi.c | Review Date | Reviewer |
| Function or data | **spi\_Sio0Deselect** | 7/2/2019 | DLH |
|  | | | |
| TFS wit | No comment | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls |  | | |
| Data Required |  | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/  bios/lcd.c | Review Date | Reviewer |
| Function or data | **bios\_UpdateLcd** | 7/2/2019 | DLH |
|  | | | |
| TFS wit | Line 220: Multiple variable declarations on a single line | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls | **MN\_ENTER\_CRITICAL (Macro)**  **MN\_EXIT\_CRITICAL (Macro)**  **spi\_Sio0Select**  **LcdWriteCommand**  **bios\_LcdWriteLine**  **spi\_Sio0Deselect** | | |
| Data Required | static lcd\_information\_t LcdInfo; | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/  bios/stm\_timer.c | Review Date | Reviewer |
| Function or data | **instrum\_GetHighResolutionTimer** | 7/2/2019 | DLH |
|  | | | |
| TFS wit | No comment | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls |  | | |
| Data Required |  | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/  bios/stm\_nvic.c | Review Date | Reviewer |
| Function or data | **MN\_NVIC\_SetPriority** | 7/2/2019 | DLH |
|  | | | |
| TFS wit | Add function header | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls |  | | |
| Data Required |  | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/  bios/stm\_nvic.c | Review Date | Reviewer |
| Function or data | **MN\_NVIC\_EnableIRQ** | 7/2/2019 | DLH |
|  | | | |
| TFS wit | Add function header | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls | **MN\_NVIC\_SetPriority** | | |
| Data Required |  | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/  bios/project\_FFAP/gpio\_key.c | Review Date | Reviewer |
| Function or data | **gpio\_SetEXTI** | 7/2/2019 | DLH |
|  | | | |
| TFS wit | No comment | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls | **MN\_ENTER\_CRITICAL (Macro)**  **MN\_NVIC\_EnableIRQ**  **MN\_EXIT\_CRITICAL (Macro)** | | |
| Data Required |  | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/  bios/project\_FFAP/spi.c | Review Date | Reviewer |
| Function or data | **spi\_SetEnableDisableDev2** | 7/2/2019 | DLH |
|  | | | |
| TFS wit | Update function header for input parameters. | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls |  | | |
| Data Required | SPI2\_CR1\_CONFIG (Macro)  SPE (Macro)  SPI2\_CR1\_val (Macro) | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/  bios/project\_FFAP/gpio\_key.c | Review Date | Reviewer |
| Function or data | gpio\_SetSPI0Clk | 7/2/2019 | DLH |
|  | | | |
| TFS wit | No function header | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls | **MN\_ENTER\_CRITICAL (Macro)**  **spi\_SetEnableDisableDev2**  **MN\_EXIT\_CRITICAL (Macro)** | | |
| Data Required |  | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/  bios/project\_FFAP/gpio\_key.c | Review Date | Reviewer |
| Function or data | **KeyData** | 7/2/2019 | DLH |
|  | | | |
| TFS wit | No comment | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls |  | | |
| Data Required | static variable of type KeyData\_t | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/  bios/project\_FFAP/gpio\_key.c | Review Date | Reviewer |
| Function or data | **EXTI\_IRQHandler** | 7/2/2019 | DLH |
|  | | | |
| TFS wit | No comment | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls | **gpio\_SetSPI0Clk** | | |
| Data Required | static KeyData\_t KeyData | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/  bios/project\_FFAP/gpio\_key.c | Review Date | Reviewer |
| Function or data | **key\_Mopup** | 7/2/2019 | DLH |
|  | | | |
| TFS wit | No comment | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls | **MN\_ENTER\_CRITICAL (Macro)**  **gpio\_SetEXTI**  **spi\_SetEnableDisableDev2**  **EXTI\_IRQHandler**  **MN\_EXIT\_CRITICAL (Macro)** | | |
| Data Required |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/framework/  bios/project\_FFAP/gpio\_key.c | Review Date | Reviewer |
| Function or data | | **gpio\_BitState** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | Update function header for return value | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | |  | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/framework/  bios/project\_FFAP/gpio\_key.c | Review Date | Reviewer |
| Function or data | | **lcd\_IsLCDSelected** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **gpio\_BitState** | | |
| Data Required | | CSB\_LCD | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/framework/  bios/project\_FFAP/gpio\_key.c | Review Date | Reviewer |
| Function or data | | **gpio\_BitSet** | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | |  | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/framework/  bios/project\_FFAP/gpio\_key.c | Review Date | Reviewer |
| Function or data | | **key\_StartDIPower** | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **gpio\_BitSet** | | |
| Data Required | | DI\_SUP (Macro) | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/framework/  bios/project\_FFAP/gpio\_key.c | Review Date | Reviewer |
| Function or data | | **gpio\_BitReset** | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | |  | | |

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| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/  bios/project\_FFAP/gpio\_key.c | Review Date | Reviewer |
| Function or data | **lcd\_SetKeyShift\_LO** | 7/8/2019 | DLH |
|  | | | |
| TFS wit | No Comment | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls | **gpio\_BitReset** | | |
| Data Required | RS\_LCD (Macro) | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/  bios/project\_FFAP/gpio\_key.c | Review Date | Reviewer |
| Function or data | **lcd\_SetKeyShift\_HI** | 7/8/2019 | DLH |
|  | | | |
| TFS wit | No Comment | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls | **gpio\_BitSet** | | |
| Data Required | RS\_LCD (Macro) | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/  bios/project\_FFAP/gpio\_key.c | Review Date | Reviewer |
| Function or data | **lcd\_DeSelectExtLCD** | 7/8/2019 | DLH |
|  | | | |
| TFS wit | No Comment | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls | **gpio\_BitSet** | | |
| Data Required | RS\_LCD (Macro) | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/  bios/project\_FFAP/gpio\_key.c | Review Date | Reviewer |
| Function or data | **bios\_InitKeyboardDriver** | 7/8/2019 | DLH |
|  | | | |
| TFS wit | No Comment | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls | **MN\_ENTER\_CRITICAL (Macro)**  **MN\_EXIT\_CRITICAL (Macro)** | | |
| Data Required | RSTATE (Macro) | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/framework/  bios/project\_FFAP/gpio\_key.c | Review Date | Reviewer |
| Function or data | | **key\_StopDIPower** | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **gpio\_BitReset** | | |
| Data Required | | DI\_SUP (Macro) | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/framework/  bios/project\_FFAP/gpio\_key.c | Review Date | Reviewer |
| Function or data | | **bios\_ProcessDigitalInput** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **lcd\_IsLCDSelected**  **key\_StartDIPower**  **lcd\_SelectExtLCD**  **lcd\_SetKeyShift\_LO**  **lcd\_SetKeyShift\_HI**  **lcd\_DeSelectExtLCD**  **KBD\_SHIFT\_IN (Macro)**  **MN\_ENTER\_CRITICAL (Macro)**  **bios\_InitKeyboardDriver**  **MN\_EXIT\_CRITICAL (Macro)**  **key\_StopDIPower** | | |
| Data Required | | static KeyData\_t KeyData | | |

|  |  |  |  |
| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/framework/  bios/project\_FFAP/gpio\_key.c | Review Date | Reviewer |
| Function or data | **bios\_ReadPushButtonStatus** | 7/8/2019 | DLH |
|  | | | |
| TFS wit | Update function header for return value | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls | **MN\_ENTER\_CRITICAL (Macro)**  **MN\_EXIT\_CRITICAL (Macro)** | | |
| Data Required | static KeyData\_t KeyData  PUSHBUTTON\_RELEASE\_EDGE  PUSHBUTTON\_DOWN\_EDGE  KBD\_MASK\_PUSHBUTTON\_PLUS  KBD\_MASK\_PUSHBUTTON\_STAR  KBD\_MASK\_PUSHBUTTON\_PLUS  KBD\_MASK\_PUSHBUTTON\_MINUS | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/sysio/lcdui/  ui\_io.c | Review Date | Reviewer |
| Function or data | | **sysio\_ShowCrash** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **wdog\_WatchdogTrigger**  **bios\_LcdWriteNumber**  **ass**  **bios\_UpdateLcd**  **instrum\_GetHighResolutionTimer**  **key\_Mopup**  **bios\_ProcessDigitalInput**  **bios\_ReadPushButtonStatus** | | |
| Data Required | | static const TrapConf\_t trapconf[]  PUSHBUTTON\_DOWN\_EDGE (Macro) | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/services/  mnassert.c | Review Date | Reviewer |
| Function or data | | **mn\_assert** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **mn\_disable (Macro)**  **mn\_rt\_assert\_prep**  **sysio\_ShowCrash** | | |
| Data Required | | static const TrapConf\_t trapconf[] | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/includes/  mnassert.h | Review Date | Reviewer |
| Function or data | | **MN\_RT\_ASSERT (Macro)** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **mn\_assert** | | |
| Data Required | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/includes/  mnassert.h | Review Date | Reviewer |
| Function or data | | **MN\_DBG\_ASSERT (Macro)** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **MN\_RT\_ASSERT (Macro)** | | |
| Data Required | |  | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/  framework/osport/oswrap.c | Review Date | Reviewer |
| Function or data | | **oswrap\_IsContext** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | Add return value to function header. | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | |  | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/  tasktable.c | | Review Date | Reviewer |
| Function or data | | taskdef | | 7/2/2019 | DLH |
|  | | | | | |
| TFS wit |  | | No Comment | | |
| Impact | |  | | | |
| Additional | | Carried over from R3 | | | |
| Resolution | |  | | | |
| Function Calls | |  | | | |
| Data Required | | Const array variable of type taskdef\_t | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/includes/  oswrap.h | | Review Date | Reviewer |
| Function or data | | **oswrap\_GetTaskSemaphorePtr** | | 7/2/2019 | DLH |
|  | | | | | |
| TFS wit |  | | No Comment | | |
| Impact | |  | | | |
| Additional | | Carried over from R3 | | | |
| Resolution | |  | | | |
| Function Calls | |  | | | |
| Data Required | | const taskdef\_t taskdef[] | | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/includes/  oswrap.h | Review Date | Reviewer |
| Function or data | | **mn\_waitforsem** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **INSTRUM\_BEFORE\_SEMAPHORE (Macro)**  **OSSemPend**  **oswrap\_GetTaskSemaphorePtr**  **MN\_RT\_ASSERT (Macro)**  **INSTRUM\_AFTER\_SEMAPHORE** | | |
| Data Required | |  | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/framework/  timer.c | Review Date | Reviewer |
| Function or data | | ktrProc | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | Line 34: Multiple variables on a single statement (ktr5ms, ktrProc) | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static tick\_t ktrProc; | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/framework/  timer.c | Review Date | Reviewer |
| Function or data | | **timer\_WaitTicks** | 7/2/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **MN\_DBG\_ASSERT (Macro)**  **oswrap\_IsContext**  **mn\_waitforsem** | | |
| Data Required | | static tick\_t ktr5ms, ktrProc; | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/framework/  timer.c | Review Date | Reviewer |
| Function or data | | tickCounter | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static volatile of type u64 | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/framework/  timer.c | Review Date | Reviewer |
| Function or data | | **timer\_GetTicks** | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static volatile u64 tickCounter; | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/sysio/  tempr.c | Review Date | Reviewer |
| Function or data | | m\_BoardTemperature | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | Static array variable of type BoardTemperature\_t and size TEMPR\_NUM\_SENSORS | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/sysio/  tempr.c | Review Date | Reviewer |
| Function or data | | **TypeUnsafe\_tempr\_GetTemperature** | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **STRUCT\_TESTGET (Macro)** | | |
| Data Required | | static BoardTemperature\_t m\_BoardTemperature[TEMPR\_NUM\_SENSORS]; | | |
| Containing file | | Firmware-SVI II AP FF/Firmware/sysio/  tempr.c | Review Date | Reviewer |
| Function or data | | **tempr\_GetInstantTempr** | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **tempr\_GetTemperature (Macro)** | | |
| Data Required | |  | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/services/project\_FFAP/  ftable.c | Review Date | Reviewer |
| Function or data | | ftable | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | const array variable of type ftable\_t and size MAX\_FAULT\_NUMBER | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/services/  faultman.c | Review Date | Reviewer |
| Function or data | | **fsAttrib** | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | const ftable\_t ftable[MAX\_FAULT\_NUMBER] | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/services/  faultman.c | Review Date | Reviewer |
| Function or data | | m\_FaultCodeData | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | Static variable of type FaultCodeData\_t | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/services/  faultman.c | Review Date | Reviewer |
| Function or data | | **GetFaultCodeBit** | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | Update function header for parameters. | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static FaultCodeData\_t m\_FaultCodeData | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/includes/  oswrap.h | Review Date | Reviewer |
| Function or data | | **oswrap\_IsOSRunning (Macro)** | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/services/  faultcat.c | Review Date | Reviewer |
| Function or data | | categoryDef | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | Const variable of type FaultCategoryMap\_t | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/services/project\_FFAP/  ftable.c | Review Date | Reviewer |
| Function or data | | faultCatDefaults | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | Const variable of type FaultCategoryMap\_t | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/services/  faultcat.c | Review Date | Reviewer |
| Function or data | | **TypeUnsafe\_error\_GetFaultCategoryMap** | 7/10/2019 | DLH |
|  | | | | |
| TFS wit |  | Update function header for parameters | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **oswrap\_IsOSRunning (Macro)**  **STRUCT\_GET (Macro)** | | |
| Data Required | | const FaultCategoryMap\_t \*categoryDef  const FaultCategoryMap\_t faultCatDefaults | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/includes/  faultpublic.h | Review Date | Reviewer |
| Function or data | | **error\_GetFaultCategoryMap (Macro)** | 7/10/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **TypeUnsafe\_error\_GetFaultCategoryMap** | | |
| Data Required | |  | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/services/  faultman.c | Review Date | Reviewer |
| Function or data | | **fAttrib** | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **error\_GetFaultCategoryMap (Macro)** | | |
| Data Required | | const ftable\_t ftable[MAX\_FAULT\_NUMBER] | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/services/  devicemode.c | Review Date | Reviewer |
| Function or data | | m\_Mode\_ | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | Static variable of type ModeData\_t | | |

|  |  |  |  |  |
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| Containing file | | Firmware-SVI II AP FF/Firmware/services/  devicemode.c | Review Date | Reviewer |
| Function or data | | **mode\_GetMode** | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | Update function header for return value | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static ModeData\_t m\_Mode\_; | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/services/  devicemode.c | Review Date | Reviewer |
| Function or data | | **process\_CheckProcess (Macro)** | 7/10/2019 | DLH |
|  | | | | |
| TFS wit |  | No comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **process\_GetProcId** | | |
| Data Required | |  | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/services/  devicemode.c | Review Date | Reviewer |
| Function or data | | **mode\_SetModeEx** | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | Add function header  Line 432, 460, 465: Remove/adjust invalid comment  Line 461-463: Remove commented out code | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **mode\_GetMode**  **oswrap\_IsContext**  **process\_CheckProcess (Macro)**  **MN\_ENTER\_CRITICAL (Macro)**  **error\_IsAnyFaultWithAttributes**  **mode\_TransitionHook**  **mode\_IsPersistent**  **storeMemberU8 (Macro)**  **ui\_setNext**  **MN\_EXIT\_CRITICAL (Macro)** | | |
| Data Required | | static ModeData\_t m\_Mode\_; | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/services/  devicemode.c | Review Date | Reviewer |
| Function or data | | **mode\_SetMode** | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | Add function header | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **mode\_SetModeEx** | | |
| Data Required | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/services/project\_FFAP/  faultplugin.c | Review Date | Reviewer |
| Function or data | | **error\_ProjectPlugin** | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **mode\_SetMode** | | |
| Data Required | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/services/  faultman.c | Review Date | Reviewer |
| Function or data | | faultByCat | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | Static variable of type faultByCat\_t | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/services/  faultman.c | Review Date | Reviewer |
| Function or data | | **error\_SetFault\_Private** | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | Line 416, 421-422, 427-428: Remove commented out code | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **MN\_DBG\_ASSERT (Macro)**  **MN\_ENTER\_CRITICAL**  **storeMemberU8 (Macro)**  **MN\_EXIT\_CRITICAL** | | |
| Data Required | | static FaultCodeData\_t m\_FaultCodeData  static faultByCat\_t faultByCat | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/services/  faultman.c | Review Date | Reviewer |
| Function or data | | **error\_SetFault** | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **fsAttrib**  **GetFaultCodeBit**  **fAttrib**  **error\_ProjectPlugin**  **error\_SetFault\_Private** | | |
| Data Required | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/services/  faultman.c | Review Date | Reviewer |
| Function or data | | **error\_IsFault** | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **fsAttrib**  **GetFaultCodeBit** | | |
| Data Required | |  | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/services/  faultman.c | Review Date | Reviewer |
| Function or data | | **error\_ClearFault\_Private** | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **MN\_ENTER\_CRITICAL (Macro)**  **storeMemberU8 (Macro)**  **MN\_EXIT\_CRITICAL (Macro)** | | |
| Data Required | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/services/  devicemode.c | Review Date | Reviewer |
| Function or data | | **mode\_ClearLowPower** | 7/10/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **ui\_setNext** | | |
| Data Required | | UINODEID\_INITNODE | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/services/  faultman.c | Review Date | Reviewer |
| Function or data | | **error\_ClearFault** | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **fAttrib**  **error\_ClearFault\_Private**  **MN\_ENTER\_CRITICAL**  **error\_IsFault**  **mode\_ClearLowPower**  **MN\_EXIT\_CRITICAL** | | |
| Data Required | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/sysio/lcdui/  ui\_io.c | Review Date | Reviewer |
| Function or data | | **sysio\_GetPushButtons** | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **bios\_ReadPushButtonStatus** | | |
| Data Required | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/bios/  lcd.c | Review Date | Reviewer |
| Function or data | | bios\_InitLcd | 7/10/2019 | DLH |
|  | | | | |
| TFS wit |  | No comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **MN\_ENTER\_CRITICAL**  **MN\_EXIT\_CRITICAL**  **spi\_Sio0Select**  **LcdWriteCommand**  **spi\_Sio0Deselect** | | |
| Data Required | | static lcd\_information\_t LcdInfo | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/sysio/lcdui/  ui\_io.c | Review Date | Reviewer |
| Function or data | | contrasts | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | No comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static const array variable of type struct ContrastCal\_t | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/framework/bios/  lcd.c | Review Date | Reviewer |
| Function or data | | **bios\_LcdSetContrast** | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | No comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **MN\_ENTER\_CRITICAL**  **MN\_EXIT\_CRITICAL** | | |
| Data Required | | static lcd\_information\_t LcdInfo | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/sysio/lcdui/  ui\_io.c | Review Date | Reviewer |
| Function or data | | **sysio\_LcdSetContrast** | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | No comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **error\_IsFault**  **tempr\_GetInstantTempr**  **bios\_LcdSetContrast** | | |
| Data Required | | static const struct ContrastCal\_t contrasts[] | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/framework/bios/  lcd.c | Review Date | Reviewer |
| Function or data | | **bios\_SetAlarmDisplay** | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | No comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **MN\_ENTER\_CRITICAL**  **MN\_EXIT\_CRITICAL** | | |
| Data Required | | static lcd\_information\_t LcdInfo | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/sysio/lcdui/  ui\_io.c | Review Date | Reviewer |
| Function or data | | **sysio\_SetAlarmDisplay** | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | No function header | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **ui\_GetAlarmSymbol**  **bios\_SetAlarmDisplay** | | |
| Data Required | |  | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/sysio/lcdui/  ui\_io.c | Review Date | Reviewer |
| Function or data | | **sysio\_UpdateLcd** | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | No function header | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **bios\_InitLcd**  **sysio\_LcdSetContrast**  **sysio\_SetAlarmDisplay**  **bios\_UpdateLcd** | | |
| Data Required | |  | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/interface/ui/  uimain.c | Review Date | Reviewer |
| Function or data | | **ui\_main** | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | Update function header for return value  Line 1165: Remove commented code from comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **Struct\_Test (Macro)**  **sysio\_GetPushButtons**  **MN\_ENTER\_CRITICAL (Macro)**  **storeMemberInt**  **BUTTON\_CHANGED (Macro)**  **MN\_EXIT\_CRITICAL (Macro)**  **MN\_ASSERT (Macro)**  **ui\_jump**  **ui\_call**  **ui\_procInput**  **STRUCT\_CLOSE (Macro)**  **ui\_ShowBar**  **sysio\_UpdateLcd** | | |
| Data Required | | static UIData\_t m\_UIData  static uistate\_t uistate  static uicmd\_t uicmd | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/  procspecific.c | Review Date | Reviewer |
| Function or data | | uiTime | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static volatile of type tick\_t | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/  procspecific.c | Review Date | Reviewer |
| Function or data | | CheckUI | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | Add function header | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **timer\_GetTicksSince**  **ui\_main** | | |
| Data Required | | static tick\_t uitime = 0; | | |

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| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/tasks/  procspecific.c | Review Date | Reviewer |
| Function or data | **process\_CheckSpecific** | 7/8/2019 | DLH |
|  | | | |
| TFS wit | Add function header  Lines 41-44, 46: Remove commented out code | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls | **CheckUI**  **mode\_GetMode**  **mode\_GetSubmode**  **error\_IsFault** | | |
| Data Required |  | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/  process.c | Review Date | Reviewer |
| Function or data | | **process\_CheckCancelProcess** | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **process\_CheckSpecific** | | |
| Data Required | | static ProcData\_t procdata; | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/  process.c | Review Date | Reviewer |
| Function or data | | actver\_timestamp | 7/10/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static variable of type tick\_t Atomic\_ | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/  process.c | Review Date | Reviewer |
| Function or data | | actver\_runlength | 7/10/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static tick\_t Atomic\_ actver\_timestamp;  static variable of type tick\_t | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/  process.c | Review Date | Reviewer |
| Function or data | | **process\_WaitForTimeExt** | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **timer\_GetTicksSince**  **process\_MopupSrv**  **ComputeDelay**  **syswd\_TickleWatchdog**  **timer\_WaitTicks**  **timer\_GetTicks**  **process\_CheckCancelProcess** | | |
| Data Required | | static tick\_t Atomic\_ actver\_timestamp;  static tick\_t actver\_runlength  static ProcData\_t procdata | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/  process.c | Review Date | Reviewer |
| Function or data | | **process\_WaitForTime** | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **process\_WaitForTimeExt** | | |
| Data Required | |  | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/diagnostics/  pst.c | Review Date | Reviewer |
| Function or data | | **diag\_GetPstData** | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | Update function header for the parameters | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **STRUCT\_TESTGET (Macro)** | | |
| Data Required | | static PSTConf\_t m\_PSTConf; | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/diagnostics/  datahog.c | Review Date | Reviewer |
| Function or data | | DatahogTable | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static const \* variable array of type DatahogFunc\_t | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/diagnostics/  datahog.c | Review Date | Reviewer |
| Function or data | | **datahog\_TestDataMap** | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static DatahogFunc\_t \*const DatahogTable[] | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/  process.c | Review Date | Reviewer |
| Function or data | | **process\_GetProcId** | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static ProcData\_t procdata | | |

|  |  |  |  |  |
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| Containing file | | Firmware-SVI II AP FF/Firmware/diagnostics/  datahog.c | Review Date | Reviewer |
| Function or data | | DatahogConf\_default | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static const variable of type DatahogConf\_t | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/diagnostics/  datahog.c | Review Date | Reviewer |
| Function or data | | DatahogConf | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static variable array of type DatahogConf\_t | | |

|  |  |  |  |  |
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| Containing file | | Firmware-SVI II AP FF/Firmware/diagnostics/  datahog.c | Review Date | Reviewer |
| Function or data | | **datahog\_SetX** | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | Add function header | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **datahog\_TestDataMap**  **Struct\_Copy (Macro)**  **process\_GetProcId**  **buffer\_InitializeXDiagnosticBuffer** | | |
| Data Required | | static const DatahogConf\_t DatahogConf\_default  static DatahogConf\_t DatahogConf[HogConfsCount] | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/diagnostics/  datahog.c | Review Date | Reviewer |
| Function or data | | **datahog\_Set** | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | Update function header | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **datahog\_SetX** | | |
| Data Required | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/diagnostics/  datahog.c | Review Date | Reviewer |
| Function or data | | DatahogState | 7/8/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static variable of type DatahogState\_t | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/diagnostics/  datahog.c | | Review Date | Reviewer |
| Function or data | | **datahog\_Control** | | 7/9/2019 | DLH |
|  | | | | | |
| TFS wit |  | | Add function header  Line 272: Remove commented out code | | |
| Impact | |  | | | |
| Additional | | Carried over from R3 | | | |
| Resolution | |  | | | |
| Function Calls | | **MN\_ENTER\_CRITICAL**  **storeMemberInt**  **MN\_EXIT\_CRITICAL** | | | |
| Data Required | | static DatahogState\_t DatahogState;  HogConfsCount (Macro) | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/diagnostics/  pstshell.c | Review Date | Reviewer |
| Function or data | | **pst\_Iterator** | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | Add function header  Line 569, Remove initialized & Todo comments  Lines 573-580, 603, 632-633, 635-637, 639, 649-651, 662: Remove commented out lines | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **timer\_GetTicks**  **process\_WaitForTime**  **diag\_GetPstData**  **datahog\_Set**  **datahog\_Control**  **vpos\_GetScaledPosition**  **process\_WaitForTimeExt**  **timer\_GetTicksSince** | | |
| Data Required | | DatahogStart (Macro)  HogConfTemporary (Macro)  DatahogStop (Macro) | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/control/  ctllimits.c | Review Date | Reviewer |
| Function or data | | m\_CtlLimits | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  |  | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static variable of type CtlLimits\_t | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/control/  ctllimits.c | Review Date | Reviewer |
| Function or data | | m\_CtlLimits\_backup | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  |  | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static variable of type CtlLimits\_t | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/control/  ctllimits.c | Review Date | Reviewer |
| Function or data | | **cnfg\_ReEnableLimits** | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No Comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **Struct\_Test**  **Struct\_Copy** | | |
| Data Required | | static CtlLimits\_t m\_CtlLimits;  static CtlLimits\_t m\_CtlLimits\_backup; | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/control/  atune.c | Review Date | Reviewer |
| Function or data | | m\_PIDData | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  |  | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static array variable of type PIDData\_t | | |

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| --- | --- | --- | --- |
| Containing file | Firmware-SVI II AP FF/Firmware/tasks/control/  atune.c | Review Date | Reviewer |
| Function or data | **TypeUnsafe\_tune\_GetPIDData** | 7/1/2019 | DLH |
|  | | | |
| TFS wit | No Comment | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls | **STRUCT\_TESTGET** | | |
| Data Required | static PIDData\_t m\_PIDData[NUM\_POSCTL\_PARAMSETS] | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/control/  pidselect.c | Review Date | Reviewer |
| Function or data | | ctlset | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  |  | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static array variable of type CtlSetSlot\_t | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/tasks/control/  pidselect.c | Review Date | Reviewer |
| Function or data | | **TypeUnsafe\_posctl\_GetCtlset** | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | Update function header for parameters | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **STRUCT\_TESTGET** | | |
| Data Required | | static CtlSetSlot\_t ctlset | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/  diagnostics/Project-FFAP/pstfreeze.c | Review Date | Reviewer |
| Function or data | | **pst\_Unfreeze** | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | Update function header for parameters | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **cnfg\_ReEnableLimits**  **tune\_SetCurrentPIDData**  **tune\_GetPIDData (Macro)**  **TypeUnsafe\_tune\_GetPIDData**  **posctl\_GetCtlset**  **TypeUnsafe\_posctl\_GetCtlset** | | |
| Data Required | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/  diagnostics/pstshell.c | Review Date | Reviewer |
| Function or data | | **pst\_InitAbort** | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | Add function header | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **Struct\_Copy (Macro)** | | |
| Data Required | | static pst\_abort\_t pst\_abort  static pst\_abort\_t pst\_abort\_default | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/  diagnostics/diagrw.c | Review Date | Reviewer |
| Function or data | | diagrw | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  |  | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static variable of type diagReadWrite\_t | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/  diagnostics/diagrw.c | Review Date | Reviewer |
| Function or data | | diagids | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  |  | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static const variable array of type diag\_t | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/  diagnostics/diagrw.c | Review Date | Reviewer |
| Function or data | | fileids | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  |  | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static const variable array of type u8 | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/  diagnostics/diagrw.c | Review Date | Reviewer |
| Function or data | | **diag\_SetWriteReq** | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | Update function header | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static diagReadWrite\_t diagrw | | |

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| Containing file | Firmware-SVI II AP FF/Firmware/  services/bufferhandler.c | Review Date | Reviewer |
| Function or data | **db** | 7/9/2019 | DLH |
|  | | | |
| TFS wit | No comment | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls |  | | |
| Data Required | static uninitialized struct of type db\_t  {  diagbuf\_t buf[NUM\_DIAG\_BUFFERS];  } | | |

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| Containing file | Firmware-SVI II AP FF/Firmware/  services/bufferhandler.c | Review Date | Reviewer |
| Function or data | **buffer\_GetEntriesInXDiagnosticBuffer** | 7/9/2019 | DLH |
|  | | | |
| TFS wit | No comment | | |
| Impact |  | | |
| Additional | Carried over from R3 | | |
| Resolution |  | | |
| Function Calls |  | | |
| Data Required | static MN\_NO\_INIT struct db\_t  {  diagbuf\_t buf[NUM\_DIAG\_BUFFERS];  } db; | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/  diagnostics/diagrw.c | Review Date | Reviewer |
| Function or data | | **diag\_PrepareSignatureWrite** | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | No comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **diag\_SetWriteReq**  **buffer\_GetEntriesInXDiagnosticBuffer**  **buffer\_GetXDiagnosticBuffer** | | |
| Data Required | | static diagReadWrite\_t diagrw  static const diag\_t diagids[]  static const u8 fileids[] | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/  diagnostics/pstshell.c | Review Date | Reviewer |
| Function or data | | PSTSchedConf | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | No comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static const variable of type SchedConf\_t | | |

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| --- | --- | --- | --- | --- |
| Containing file | | Firmware-SVI II AP FF/Firmware/  utilities/sched.c | Review Date | Reviewer |
| Function or data | | **sched\_ResetGuard** | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | Add function header  Line 145: Remove initialized comment | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **MN\_ENTER\_CRITICAL**  **storeMemberInt**  **MN\_EXIT\_CRITICAL**  **error\_ClearFault**  **ram2nvramAtomic** | | |
| Data Required | |  | | |

|  |  |  |  |  |
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| Containing file | | Firmware-SVI II AP FF/Firmware/  diagnostics/pstshell.c | Review Date | Reviewer |
| Function or data | | **pst\_ResetGuard** | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | Add function header | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **sched\_ResetGuard** | | |
| Data Required | | static const SchedConf\_t PSTSchedConf | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/diagnostics/  pstshell.c | Review Date | Reviewer |
| Function or data | | **pstshell** | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | Add function header  Lines 711, 727, 757-761, 772: Remove commented out lines  Add termination line at end of file. | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **buffer\_GetXDiagnosticBuffer**  **ctllim\_GetRangeBoundedSetpoint**  **MN\_ENTER\_CRITICAL (Macro)**  **storeMemberInt (Macro)**  **MN\_EXIT\_CRITICAL (Macro)**  **vpos\_GetScaledPosition**  **diag\_GetPstData**  **PST\_FREEZE (Macro)**  **pst\_Freeze (function)**  **pst\_Iterator**  **PST\_UNFREEZE (Macro)**  **pst\_UnFreeze (function)**  **pst\_InitAbort**  **diag\_PrepareSignatureWrite**  **MN\_ASSERT (Macro)**  **diag\_WriteBufferEx**  **pst\_ResetGuard** | | |
| Data Required | | DIAGBUF\_DEFAULT (Macro)  BUFINDEX\_PST\_ADDON\_BASE (Macro)  DIAGRW\_HEADERSZ (Macro)  DEVID\_SIZE (Macro)  DIAGRW\_HEADER\_FILLER (Macro)  DIAGRW\_PST (Macro)  DIAGRW\_CURRENT (Macro)  PST\_LOGFILE\_MAXSIZE (Macro)  static pst\_abort\_t pst\_abort | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/  diagnostics/pstshell.c | Review Date | Reviewer |
| Function or data | | pst\_patterns | 7/9/2019 | DLH |
|  | | | | |
| TFS wit |  | No comments | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | |  | | |
| Data Required | | static const array variable of type pst\_patterns\_t | | |

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| Containing file | | Firmware-SVI II AP FF/Firmware/diagnostics/  pst.c | Review Date | Reviewer |
| Function or data | | **diag\_PartialStrokeTest** | 7/1/2019 | DLH |
|  | | | | |
| TFS wit |  | No parameters or return entries in the function header  Lines 562-587, 592: Remove commented out code. | | |
| Impact | |  | | |
| Additional | | Carried over from R3 | | |
| Resolution | |  | | |
| Function Calls | | **error\_IsAnyFaultWithAttributes**  **pst\_IsPSTAllowed**  **pstshell** | | |
| Data Required | | static PSTConf\_t m\_PSTConf;  static const pst\_patterns\_t pst\_patterns[] | | |