

Raw DATA:

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current_leg_failure_word_1 |= (UNS32)((SW_ECS_HEATING_FAULT & 0x1) << 0) |  
    (UNS32)((SW_BLEED_TEMP & 0x1) << 1) |  
    (UNS32)((SW_FCSOV_TM_CMD_F & 0x1) << 2) |  
    (UNS32)((SW_GF_FAILED & 0x1) << 3) |  
    (UNS32)((SW_BDPS_FAULT & 0x1) << 4) |  
    (UNS32)((SW_BLEED_OVHT & 0x1) << 5) |  
    (UNS32)((SW_IPPS_FAULT & 0x1) << 6) |  
    (UNS32)((SW_BPV_POS_CMD_F & 0x1) << 7) |  
    (UNS32)((SW_BPV_POS_FAULT & 0x1) << 7) |  
    (UNS32)((SW_ECS_COOLING_FAULT & 0x1) << 8) |  
    (UNS32)((SW_FF_SPEED_SEL_FAULT & 0x1) << 9) |  
    (UNS32)((SW_COCKPIT_TEMP_SEL_FAULT & 0x1) << 9) |  
    (UNS32)((SW_RF_SPEED_SEL_FAULT & 0x1) << 10) |  
    (UNS32)((SW_CABIN_TEMP_SEL_FAULT & 0x1) << 10) |  
    (UNS32)((SW_COMP_OVHT_CONF_OBS & 0x1) << 11) |  
    (UNS32)((SW_HAD_POS_CMD_F & 0x1) << 12) |  
    (UNS32)((SW_HAD_POS_FAULT & 0x1) << 12) |  
    (UNS32)((SW_ITS_FAULT & 0x1) << 13) |  
    (UNS32)((SW_FF_FAULT_CONF & 0x1) << 14) |  
    (UNS32)((SW_RF_FAULT_CONF & 0x1) << 15) |  
    (UNS32)((SW_LPSW_COMP_OFF & 0x1) << 16) |  
    (UNS32)((SW_LPSW_FAILED & 0x1) << 17) |  
    (UNS32)((SW_HPSW_COMP_OFF & 0x1) << 18) |  
    (UNS32)((SW_HPSW_FAILED & 0x1) << 19) |  
    (UNS32)((SW_BCKTS_FAULT & 0x1) << 20) |  
    (UNS32)((SW_BCTS_FAULT & 0x1) << 21) |  
    (UNS32)((SW_CKVTs_FAULT & 0x1) << 22) |  
    (UNS32)((SW_CVTS_FAULT & 0x1) << 23) |  
    (UNS32)((SW_CPCS_FAULT & 0x1) << 24) |  
    (UNS32)((SW_CAB_ALT_SEL_FAULT & 0x1) << 25) |  
    (UNS32)((SW_PC_COMP_OOR & 0x1) << 26) |  
    (UNS32)((SW_OFV_TM_CMD_F & 0x1) << 27) |  
    (UNS32)((SW_GASC_FAULT & 0x1) << 28);  
  
current_leg_failure_word_2 |= (UNS32)((SW_FMS_LAND_ELEV_F & 0x1) << 0) |  
    (UNS32)((SW_AVIONICS_QNH_F & 0x1) << 1) |  
    (UNS32)((SW_AVIONICS_ZA_F & 0x1) << 2) |  
    (UNS32)((SW_AVIONICS_VZA_F & 0x1) << 3);
```

Interpreted as followed :

```
current_leg_failure_word_1 = 15 00 00 23  
current_leg_failure_word_2 = 00 00 00 08
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Recorded failures :

- SW_ECS_HEATING_FAULT
- SW_BLEED_TEMP
- SW_BLEED_OVHT
- SW_IPPS_FAULT
- SW_CPCS_FAULT
- SW_PC_COMP_OOR
- SW_GASC_FAULT

SW_FMS_LAND_ELEV_F