PSXseecon Release Notes

April 29, 2025, version 3.42

- Fixed a **bug** in the coding of SIOC variables for the **Yaw damper lights** (they did not work!):

  YawDamperUpr = **3294** (not 3292)

  YawDamperLwr = **3295** (not 3293)

Jan 22, 2025, version 3.41

- Updated Manual and copyright info to 2025

Sep 19, 2024, version 3.40

- Added SIOC variable for Qi274.

June 10, 2024, version 3.39

- Added SIOC variables for Qi269, Qi270, Qi271 and Qi273.

- Var Qs321 made available with 3 new SIOC vars:

  - Qs321, pitchErrorAdd   , 4997,   , Qcode value
  - Qs483, bankErrorAdd   , 4998,   , Qcode value
  - Qs483, gyroRpm   , 4999,   , Qcode value

May 24, 2024, version 3.38

- Var Qs483 made available with 6 new SIOC vars:

  - Qs483, PhysIAS   , 4990,   , Qcode value
  - Qs483, PhysOAT   , 4991,   , Qcode value
  - Qs483, PhysTAT   , 4992,   , Qcode value
  - Qs483, CompWndDir   , 4993,   , Qcode value
  - Qs483, CompWndSpd   , 4994,   , Qcode value
  - Qs483, MagVar   , 4995,   , Qcode value

July 23, 2023, version 3.37

- New var: Qs118 **XprdFail** 3055   (integer 0/1)

April 22, 2023, version 3.36

- Made all values of Qs106 *MemRcpL*, Qs107 *MemRcpC* and QS108 *MemRcpR* available in 42 SIOC variables:

  Qs106 starts at 5631, Qs107 starts at 5651 and Qs108 starts at 5671
  See the list of SIOC variables.

- Added configuration parameter **SQUAWK_AS_INT**, see the Manual section 2.2.23

PSXseecon Release Notes

March 27, 2023, version 3.35

- Fixed a nasty bug in the implementation of the **DUAL_ENCODER_RCPL, DUAL_ENCODER_RCPC** and **DUAL_ENCODER_RCPR** parameters**.**

Jan 10, 2023, version 3.34

- Updated copyright statement to 2023

- Checked my C++ code with static analyzer clang-tidy, resulting in a few small changes.

Dec 17, 2022, version 3.33

Upon request:

- Added:
  Qh397, ParkBrkLevVirtual   , 4748,   , Qh value (Virtual Switch position)

- Added the following configuration parameters (see Manual chapter 2):
  - **PARKBRKLEV_DOMINANT**
  - **GEARLOCK_OVERRIDE_DOMINANT**
  - **FIRE_ENG1_DOMINANT**
  - **FIRE_ENG2_DOMINANT**
  - **FIRE_ENG3_DOMINANT**
  - **FIRE_ENG4_DOMINANT**
  - **FIRE_APU_DOMINANT**

Dec 15, 2022, version 3.32

- *Upon request:* added a SIOC variable for **Qs457 CallPanelDisp**.
  It is -1 if panel is the display panel is blanked, other values are the index to the message. Read further in the Manual section 3.23.

Dec 12, 2022, version 3.31

- *Upon request:* added SIOC variables for **single encoder with push button** implementation of the rotaries of **ACP Left, Centre and Right,** and three configuration parameters to switch between a dual (default) or single rotary implementation.
  See Manual sections 2.2.11, 2.2.12 and 2.2.13.

- Fixed bugs in the MIC Lights variables 2109, 2110 and 2111
  Do note that the values in these variables are integers (-1 ... 9) not bits, only one led can be active at a time

Dec 8, 2022, version 3.30

- *Upon request:* added a parameter **PTT_SWITCHES_DOMINANT**, see Manual 2.2.11

Dec 4, 2021, version 3.29

- *Upon request:* re-defined **Qs21** "PiBaHeAlTas" : PSXseecon now offers 7 SIOC vars with the (raw) data from PSX:

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```
Qs121, Altitude      , 4883,      , Qcode value
Qs121, BankRad       , 4881,      , Qcode value
Qs121, Latitude      , 4885,      , Qcode value
Qs121, Longitude     , 4886,      , Qcode value
Qs121, PitchRad      , 4880,      , Qcode value
Qs121, TAS           , 4884,      , Qcode value
Qs121, TrueHeading   , 4882,      , Qcode value
```

Note that the 64 bit floats are 32 bit in SIOC.

- Upon request: added 7 SIOC variables for **Qs429** " Icing" :

```
Qs429, IceWingL      , 5624,      , Qcode value
Qs429, IceWingR      , 5625,      , Qcode value
Qs429, IceNac1       , 5626,      , Qcode value
Qs429, IceNac2       , 5627,      , Qcode value
Qs429, IceNac3       , 5628,      , Qcode value
Qs429, IceNac4       , 5629,      , Qcode value
Qs429, Iced          , 5630,      , Qcode value
```

  See Hardy's forum

Oct 8, 2021, version 3.28

- Upon request: added a SIOC ctrl variable for the Refueling Qi220 var:

  Qi220, RefuelingCtrl   , 5220, A

- Tested under Windows 11, all works fine.

Sep 30, 2021, version 3.27

- Re-implemented the **Version check** parameter (2.2.8) (was gone).

- Fixed a bug that slipped in, "string" parameters such as WHITELIST, BLACKLIST, Qs_VarList were no longer read…

- Added support for the **NG FMC**, just add
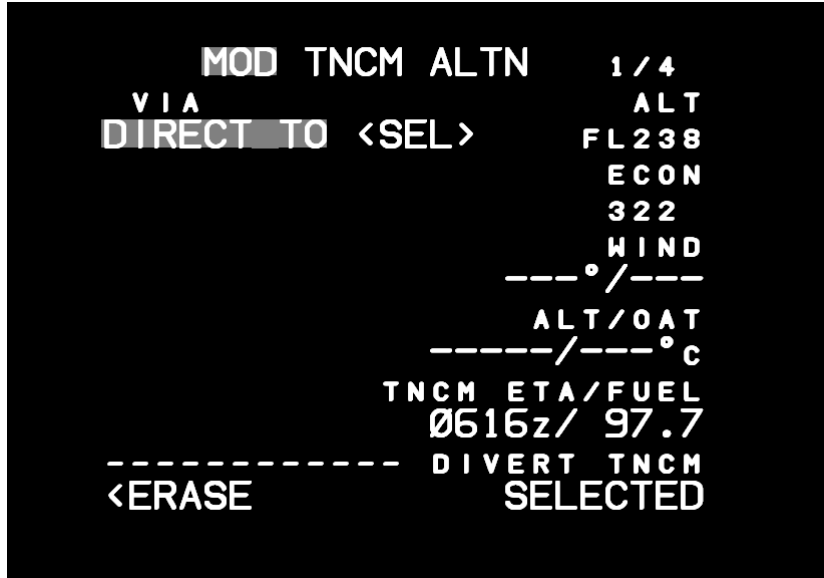
  LCD_CDU=1

  to the psxseecon.cfg file.

```
      ACT RTE 1 LEGS      1/2
    314°         2NM   GP  3.00°
 RW31L                155/     70
    314°         1NM
 (  500)             ---/  500A
    144°HDG      6NM
 (INTC)              ---/  1000
    189°        16NM
 CHANT               ---/  3000
   HOLD  AT
 CHANT               ---/  3000
 -------------------------------
 <RTE 2                RTE DATA>
```

```
         NAV RADIO      1/2
    VOR L                 VOR R
 113.00ΔPJM     STTΔ108.60
    CRS      RADIAL       CRS
              029
    ADF L                 ADF R
 309.0                 331.0
    ILS
 PARK


         PRESELECT
 _____                _____
```

PSXseecon Release Notes

Sep 21, 2021 version 3.26

- Upon special request, added 11 SIOC variables for Qs438:

  ```
  Qs438, FuelTemp        , 5623,       , Qcode value
  Qs438, RefgPres        , 5622,       , Qcode value
  Qs438, TankAux         , 5621,       , Qcode value
  Qs438, TankCenter      , 5619,       , Qcode value
  Qs438, TankMain1       , 5613,       , Qcode value
  Qs438, TankMain2       , 5614,       , Qcode value
  Qs438, TankMain3       , 5615,       , Qcode value
  Qs438, TankMain4       , 5616,       , Qcode value
  Qs438, TankReserve2    , 5617,       , Qcode value
  Qs438, TankReserve3    , 5618,       , Qcode value
  Qs438, TankStab        , 5620,       , Qcode value.
  ```

  All fuel quantities in LBS x 10.
  Fuel temperature Celsius x 100.

Aug 2, 2021 version 3.25

- Redesigned the **HydDem1** (Qh184) selector while it is also one with a variable number of terminals (AUX or not), see version 3.24.

- After adding this parameter to your PSXseecon.cfg file

  ENG_STARTERS_DOMINANT=0

  the SIOC variables for the Engine Start Switches Q267 .. Q270 are no longer dominant over the start switches in PSX, which makes it easier if you are using a solenoid to reset your hardware switch based on info from the Virtual start switch vars. See Manual 2.2.10.

July 26, 2021, version 3.24

- Redesigned the implementation of rotary switches with variable terminals, such as the Source selector switches **SrceIrsCp** (Qh119), **SrceIrsFo** (Qh124), **SrceAdcCp** (Qh120) and **SrceAdcFo,** because in certain

configurations the old solution was not correct.
Read more in the new section 3.22 of the Manual.

- Fixed labelling bugs: SrceNavCpCR renamed to SrceNavCpCC, SrceNavFoCL renamed to SrceNavFoCC.

- Relabeled/re-numbered the terminals of the FO source selector switches such that everything reads clockwise.

  IMPORTANT: You may need to update the SIOC variable numbers in your SIOC scripts for the Source Selectors! Seen clockwise the first terminal of a rotary switch always has the lowest SIOC variable number, the next one 1 higher and so on.

July 19, 2021, version 3.23

- The indicator lights for the BigActionSwitches AltnFlap (3162), AltnGearNsBd (3163), AltnGearWing (3164), FlapOvrd (3166) , GearOvrd (3167) and TerrOvrd (3168) are now powered with the **gT102** bus instead of gR7736 (which was wrong).

- All indicator lights SIOC variables for BigActionSwitches can now **also** be used in a SIOC program **without** the corresponding SIOC variable for the controlling the switch.

- Added SIOC variables for **Qi259** up/to **Qi268** and cleaned up some other Qi variables that were not relevant.

Skipping ancient history …

November 14, 2014: **First official Release** (version **1.1.0**)