

# PSXseecon Release Notes

## 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

## 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*

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## 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:

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
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- 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**

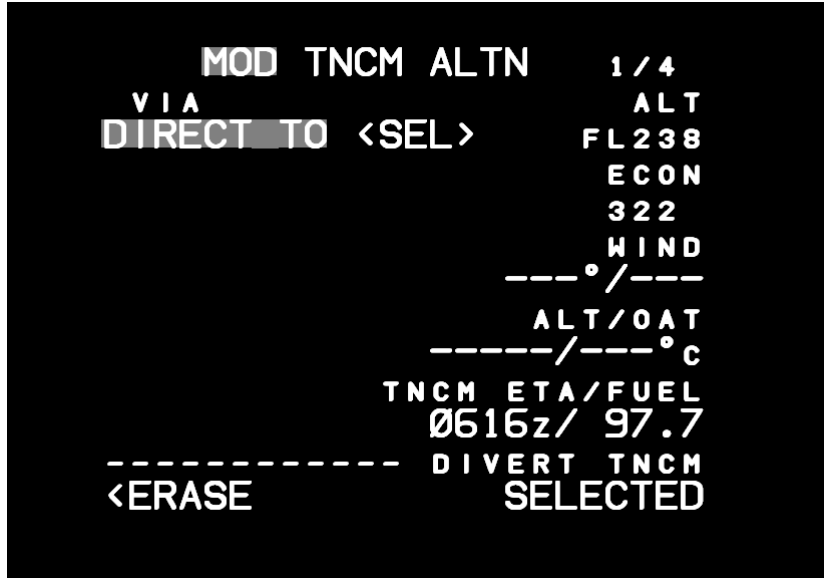
to the psxseecon.cfg file.

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```
      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
      113.00A P J M      STT A 108.60
      CRS      RADIAL      CRS
      029
      ADF L      ADF R
      309.0      331.0
      ILS
      PARK
      PRESELECT
      -----
```

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### 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

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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), FlapOvr (3166) , GearOvr (3167) and TerrOvr (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**)