

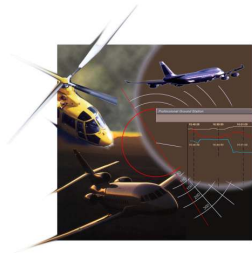
PGS 2025 V6.3.0

RELEASE NOTE No: RLN-PGS_6.3.0_IND-A

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New Features

- Flight recorders
 - CURTISS WRIGHT FDR-25/D51728-1-1 crash recorder has been added with the following capabilities:
 - Download of flight parameters.
 - Process of flight parameters.
 - CURTISS WRIGHT CVR-25/D51728-0-1 crash recorder has been added with the following capabilities:
 - Download of audio and datalink.
 - Process of audio, and datalink.
 - L3 HARRIS LW-CVR1493100-1000 crash recorder has been added with the following capabilities:
 - Download of audio, and datalink.
 - Process of audio, and datalink.
 - L3 HARRIS LW-FDR/1493100-2000 crash recorder has been added with the following capabilities:
 - Download of flight parameters.
 - Process of flight parameters.
 - L3 HARRIS LW-CVFDR/1493100-300X crash recorder has been added with the following capabilities:
 - Download of flight parameters, audio, and datalink.
 - Process of flight parameters, audio, and datalink.
 - All recorders
 - When processing audio data, identification information is added into .WAV files.
- Quick Access Recorders
 - AVIONICA 804-12XX QAR has been added with the following capability:
 - Process of flight parameters.
- Audio
 - Identification information has been added into .WAV files generated from all crash recorders.
- GUI
 - Source file mode as Data Source to Download Crash Recorders dialog for CURTISS WRIGHT D51615-202, D51615-122, D51631, D51642, D51654, D61615-3W11 has been added.
 - In Audio Player, an information dialog has been added to display identification information from loaded .WAV files.
 - In Fleet Management, a "Duplicate" aircraft button has been added
 - In Graph view, when displaying flight parameters in fleet management mode, a lock scales option has been added so that scales remain the same while navigating from file to file.
 - In parameter editor, when creating a continuous flight parameter, the number of decimals is automatically calculated based on the resolution.
 - In Events editor, Counters editor and Analysis report dialogs, a "select/unselect all" tick boxes in the grid button has been added.



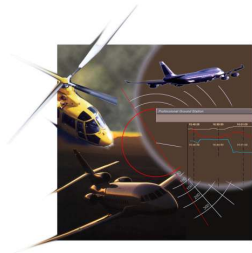
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- 3D Replay
 - DirectX 11, DirectX 12, Open GL 4.1+ and Open GLES 3.0+ support for 2D and 3D rendering has been added.

Improvements

- Flight recorders
 - All crash recorders:
 - When processing audio data, synchronisation data are embedded into .WAV files instead of creating .SYN files.
 - When processing flight parameters data, synchronisation data are embedded into .XFF files instead of creating .SYN files.
 - When downloading & processing data, processed data can be directly loaded from the download result dialog.
- GUI
 - Loading a development .ARB flight parameter database is no longer forbidden, but a warning message is displayed to inform the user.
 - Mapping dialog has been redesigned to display all mapped parameter types and their corresponding flight parameters in a single table.
 - Parameters monitor dialog has been redesigned to make it resizable and easier to use when adding flight parameters and groups of flight parameters.
- Graph view
 - When displaying a flight parameter which has Discrete or Matrix formula, if there is no text set corresponding to its value, a default text "No state for value" is printed in sticker prior to the value instead of nothing.
 - When displaying a flight parameter from an ARINC429 source which is defined with a Parity check and/or SSM check, if Parity and/or SSM check fails, "Bad Parity" and/or "Bad SSM" is printed in the sticker prior to the value.
- 3D Replay view
 - A "Show Inoperative Flags" option has been added to hide/show these flags over instruments.
 - Trajectory computation has been enhanced when landing on an oil rig.
 - Trajectory computation has been enhanced when radio altitude flight parameter is not recorded.
 - Trajectory computation has been enhanced to be able to use GPS Altitude flight parameter if recorded.

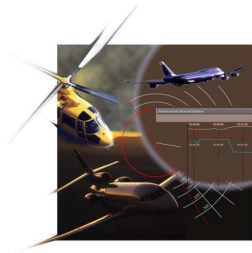


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Fixed Issues

- Flight recorders
 - CURTISS WRIGHT D517130 and D51701-XXX, HONEYWELL 69004755-041 and 69005657-001:
 - When processing audio data. the audio cache embedded in .WAV files may contain wrong values. [Fixed]
 - HONEYWELL 980-4120-XXX, 980-4700-XXX, 980-4710-XXX:
 - Downloaded file in bit mode is in RAW format instead of DLU format. [Fixed]
 - QAR MARMS:
 - When processing .RAW files from another recorder, PGS may crash. [Fixed]
 - AH HELIONIX:
 - In some cases, when displaying HELIONIX data where there is a discontinuity in data chronology, flight parameters values are calculated instead of a no data (ie a time gap). [Fixed]
 - SSQAR CTS 200-010-XXXX, 200-E10-XXXX and 200-E20-XXXX, and CURTISS WRIGHT D51640-0001:
 - When processing flight parameters data containing multiple data sources, recording timestamps are not interpreted correctly which causes discrepancies between them when replayed. [Fixed]
- Flight Parameters
 - Processing of a 32-bit signed ARINC573/717 parameter will always result in a positive value. [Fixed]
- GUI
 - In Fleet Management, the Download from Crash Recorder Adaptive 200-100-00 opens 200-200 interface instead. [Fixed]
 - In Fleet Management, Download and Analysis from several crash recorders are not functional. [Fixed]
 - When exporting a flight parameters database to FRED format, an error may occur if parameters with a linear, non-linear or polynomial formula are defined. [Fixed]
 - When exporting a flight parameters database to FRED format, the number of <Real_Real_Pair> elements is wrong. [Fixed]
 - When a flight parameters group is renamed or deleted, this change is not passed on the events list where it may be referenced. [Fixed]
 - In parameter editor, when pasting a text containing space character to Discrete and Matrix type formula, it is truncated at first space character position. [Fixed]
 - In datalink viewer, when replaying data with synchronized with audio or flight parameters data, the highlighted message may not be the good one. [Fixed]
- Audio
 - In Audio Player, when playing a .WAV file longer than 25 hours, it loops back to beginning of file prior to reaching the end. [Fixed]
- Operator manual
 - Operator manual still references Windows 7 as supported by the software whereas the release note states otherwise. [Fixed]



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Known Issues

- Flight Recorders
 - HONEYWELL 980-6032-XXX
 - During the conversion of the CVR data to audio files, the download dialog of PGS may not respond but the resulting audio files are correct.
 - HONEYWELL 980-6032-XXX
 - Data download may not work for an unknown reason at this time.
- Synchronisation
 - Loading data files with a different timeline may take a lot of processing time and synchronization may not be consistent.
- GUI
 - When displaying flight data, after several zoom-in, curves may disappear or may be displayed twice.
 - When some Flight parameters views are detached, if a marker is added to the main Flight parameters view, it does not appear in the detached Flight parameters views until they are refreshed.

Deprecations and Removals

- OS
 - Windows 8 is no longer supported.