

# FLARM CIVL IGC Validation DLL and CLI tools

## v2.1.0, 15.06.2021

- CHANGE: Introduced proper MinGW toolchain including all necessary settings for symbol-free builds.
- CHANGE: Building a strict validation DLL for FAI GFAC.

## v2.0.2, 22.03.2021

- FIX: Support for pre firmware version 5.08 IGC signatures.
- ADD: Support for Trailing Records (L records after the G record).

## v2.0.1, 17.03.2021

- FIX: PEV events where not considered when creating signature hash.
- CHANGE: Aligned cli response codes, program switches and text output with the current IGC specification.

## v2.0.0, 09.03.2021

- CHANGE: Use of MinGW instead of Visual Studio for creation of artifacts.
- CHANGE: Introduced global version mechanism
- CHANGE: All files produced by a FLARM Firmware are now validated. Whether the firmware has an IGC Serial number configured or not.
- CHANGE: The cli tool is now also available as posix (linux) tool.
- CHANGE: cli tool has modified command line parameters we now support a verbose and strict mode.

## v1.7.0, 29.09.2020

- ADD: Support for FLARM PowerFLARM-Fusion.

## v1.6.0, 08.02.2018

- ADD: Support for LXNAV PowerMouse-IGC.
- ADD: Support for LXNAV FlarmBat-IGC.

## v1.5.3, 17.4.2013

- ADD: Support for LX FlarmMouse.

## v1.5.2, 8.4.2013

- FIX: Validate all FLARM device types.

## v1.5.1, 7.3.2013

- FIX: Remove dependency on some Microsoft DLLs. No functional change.

## v1.5, 15.2.2013

- ADD: New encryption algorithms (vali-FLA.exe).
- FIX: Faster connection establishment in IGC DLL and data.exe.

## **v1.4, 16.9.2008**

- FIX: Renamed LXN and ET device to LXN-Flarm-IGC and ECW100f-IGC, according to IGC approval docs.

## **v1.3, 19.7.2008**

- FIX: Proper handling of L-record in validation, ignore if not LFLA.

## **v1.2, 1.6.2008**

- ADD: introduced coherent version numbers for console programs and dll
- ADD: new device: Oz-IGC
- FIX: \0 character in IGC file would invalidate record

## **v1.0/1.1, 13.4.2008**

- ADD: Initial release for IGC approved devices
- ADD: DLL for IGC shell program
- ADD: new devices: Flarm-IGC05, Flarm-IGC06, LX-IGC08, ECW100-IGC
- FIX: minor memory leak

## **v1.0, 17.2.2006**

- ADD: Initial release for OLC (non-igc devices)