**Concepts of operation ...**

**Surveillance Concept:** a non-certified electronic conspicuity (EC) solution for display in towers, radars and the cockpit

**Navigation Concept:** instrument flight procedures incorporating advanced PBN features (e.g., RF Legs) to meet GA needs

... demonstrated through live flying at 8 participating airfields

**Surveillance:** a total of 42 pilots in 17 fixed wing and rotary wing aircraft completed 163 flight hours in the visual circuit testing electronic conspicuity with cockpit displays within a 100% equipped environment

**Navigation:** a total of 21 pilots in 2 aircraft flew 335 IAP operations on 8 advanced PBN instrument approach procedures incorporating a mix of steep approaches and varying diameter RWY legs with IFR and ILS final approaches.

**Positive results**

GAINS results have demonstrated clear benefits to GA operations from adapting SESAR solutions to enable improved integration in today’s challenging airspace. These have shown that EC improves traffic situational awareness for both pilots and ground ATS staff, and that IFR to ILS can be flown by a wide range of GA aircraft and pilots with acceptable task-keeping performance. GAINS has shared its results with ANSPs, regulators and EASA.

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**Consortium:**

- HELIOS
- EPCA
- f:nk:e:
- TRIG

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