



# Task List for Expert Groups

As of 1 January 2013

Date of Task Assignment : **08 January 2013**  
Estimated date of Task Report : **17 June 2013**

## **NAVIGATION EXPERT GROUP (NEG)**

Collision avoidance : The « see and avoid » principle is the primary, and often the only means of separating aircraft under VMC conditions in VFR airspace or at low altitude in uncongested airspace. The active attention of pilots in both aircraft is needed to ensure effective separation. A UAV's remote piloting system must be sufficiently reliable to enable it to react to the proximity of other, manned aircraft.

A key question is : are UAV's able to fly safe in VFR airspace with «sense and avoid» technique? This question is of great importance, since general aviation faces constant erosion of available airspace in the face of the competing demand on airspace for military, national security and especially commercial purpose.

It is important for FAI to develop policy positions (see FAI «top level letter airspace» 2012 to ICAO) on this issues as quickly as possible, since regulatory authorities (notably ICAO and EASA, as well as national authorities) are already drafting rules and new airspace structures.

### **TASKS :**

1. **Make a deeper study about the «sense and avoid» technology for UAV's and the consequences for VFR traffic (needed equipment ?).**

Propose actions to take for FAI.

*A special top-level briefing to FAI, about first experiences with «sense and avoid»-tests in VFR airspace, done by swiss government, is planned for 2013. Coordination by Beat NEUNSWANDER.*

2. **Establish a list about important criteria for future cockpit-avionic equipment in sports aircraft,** to guarantee the airports development (light and low-cost features) and to be accepted in new defined airspace structures

3. **Provide a suggestion for further (future) tasks for navigation issues.**

Highest priority should be given to navigation matters of global importance impacting airport activities. These suggestions should be forwarded to FAI EB Member Beat NEUNSWANDER ([b.h.neunschwander@bluewin.ch](mailto:b.h.neunschwander@bluewin.ch))



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**Note :**

Additional information can be obtained by contacting the respective EB member, or the FAI Head Office (contact person is the FAI Members & Services Manager, Segolene ROUILLON - [members@fai.org](mailto:members@fai.org))

The estimated date for the Report from the FAI Point of Contact „ NAVIGATION “, Lars HOLMSTRÖM, to FAI Head Office in Lausanne is June 17<sup>th</sup> 2013.

With best regards

Jean-Marc BADAN  
FAI Secretary General

Beat NEUENSCHWANDER  
FAI Executive Board Director