

# UAM noise targets

---

## Jean-Claude GUILPIN

*Head of the Aircraft Environmental Performance department, DGAC*

### Short bio

Jean-Claude GUILPIN is head of the Aircraft environmental performance department in the DGAC's Air transport directorate.

He participates in the work of the ICAO Noise working group, which is responsible for defining and developing noise standards applicable to civil aircraft.

At the national level, his office initiated the CALIPSO programme, which allows light aircraft to be classified according to their noise impact during runway turns.

He participated in the preparation of the first VTOL noise measurements in France, which took place in March 2022 in Pontoise. These tests were carried out by the acoustic laboratories of the civil aviation technical service, ONERA, RATP and BruitParif.

### Abstract

Urban air mobility raises the question of its societal acceptability in terms of the noise pollution it will generate.

Noise is indeed perceived as the main nuisance around airports. In cities, transport noise is also perceived very negatively.

This new urban air mobility activity is therefore likely to come up against fears about its noise impact. It will be necessary to overcome these fears to allow the development of this new activity in an urban environment.

What standards will apply? How to define them? How to measure the noise of these new machines? These are the questions that arise in the short term.

Regarding measurements, a first measurement campaign was carried out in France in March 2022 on a VTOL by several French laboratories. This campaign will be presented.