



## Identification of the installation/facility :

Country: France  
Location (city): Toulouse  
Name of the facility: IESTA - Air Transport Systems Evaluation Infrastructure  
Date of construction or of acquisition or of main refurbishment: 2008  
Owner: Onera  
Contact point: Sébastien Aubry  
Internet site: <http://www.onera.fr/en/dcps>

## Technical characteristics:

### 1 - Type of infrastructure

Wind tunnel	<input type="checkbox"/>
Propulsion bench	<input type="checkbox"/>
Structures facility	<input type="checkbox"/>
Material facility	<input type="checkbox"/>
Simulator (ex. Flight simulator, tower, ...)	<input checked="" type="checkbox"/>
Flight test bed (aircraft, embedded facilities, ...)	<input type="checkbox"/>
Supercomputers	<input type="checkbox"/>
Other	<input type="checkbox"/>

### 2 - Main technical characteristics

Simulation of air traffic, engines, noise, emissions and local air quality.

3 - Research domains which can be addressed (refer to ACARE taxonomy <http://www.acare4europe.com/sites/acare4europe.org/files/document/ASD-Annex-final-211004-out-asd.pdf> )

**Air Traffic Management**  
**, Airports, Innovative Concepts & Scenarios**

### 4 - Main (or specific) associated measurement techniques

**Simulation**

5 - Operational status  
Fully operational (used in European programmes Clean Sky and SESAR, in National projects and in Onera research projects)

### 6 - Picture



**Financial elements:**

Replacement cost (M€uros)

Less than 10

10 to 30

30 to 60

60 to 100

More than 100

**Practices concerning:**

Access policy (contract, voucher, free access for research, etc...): **contract**

Support (regional, national, European, private, ...)

**European, national and regional funding.**

**Comments:**

**Origin of information** ('signature'): author and date

Sébastien Aubry, 6 June 2014