



Identification of the installation/facility :

Country:	Spain
Location (city):	Torrejón de Ardoz (Madrid)
Name of the facility:	Turbojet Test Facility
Date of construction or of acquisition or of main refurbishment:	1994
Owner:	Instituto Nacional de Técnica Aeroespacial
Contact point:	Gonzalo Moreno Labata
Internet site:	http://www.inta.es

Technical characteristics:

1 - Type of infrastructure

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

2 - Main technical characteristics

Dimensions:	Cross section:	14.5 x 14.5 m ²
	Length:	114 m
Maximum thrust:		650 KN
Maximum air flow:		4000 Kg/s
Maximum fuel flow:		7.5 l/s at 4 bars
Data acquisition system (steady and transient parameters):		4000 channels

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

4 - Main (or specific) associated measurement techniques

Fully operational to test large civil development engines

5 - Operational status

Fully operational: full time occupation in 2010 and up to 2013



Financial elements:

Replacement cost (M_€)

Less than 10

10 to 30

30 to 60

60 to 100

More than 100

Practices concerning:

Access policy: contract

Support: national

Comments:

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

Gonzalo Moreno
(11/01/2011)