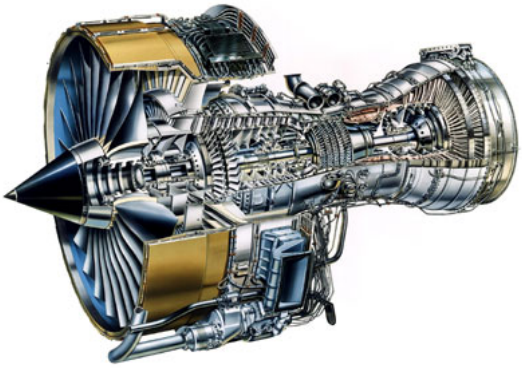
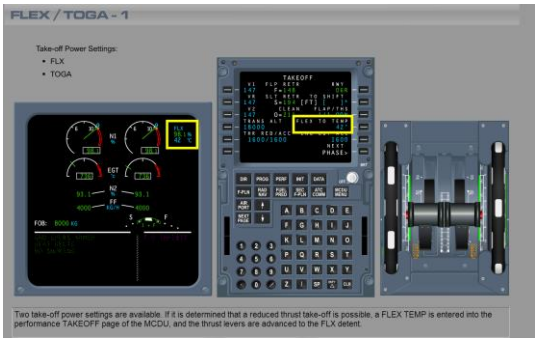
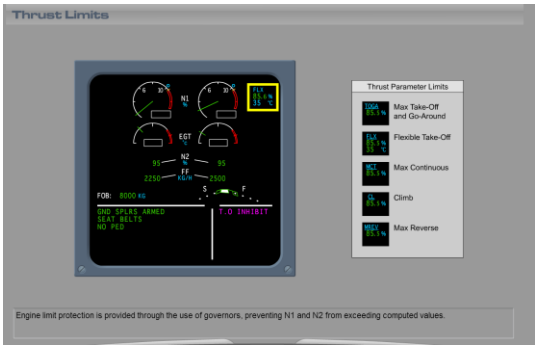
AIRCRAFT MAINTENANCE
A330 RR Trent 700
Engine Ground Run







SUMMARY

Our initial aircraft engine ground run courses are a combined instructor led and CBT self-paced instructional programs which provides the technician with the necessary knowledge to safely start, operate, and carry out test procedures for the aircraft's power plant.

The training also provides a review of the aircraft and power plant systems including normal and abnormal procedures. Our instructors guide the students through various engine test procedures utilizing multiple practice sessions. Additional topics such as planning sessions, ground crew briefing, and weather considerations are also explored.

The initial course has three elements, a CBT self-paced section, followed by an instructor led debriefing and an evaluation using a flight simulator.

Recurrent or updated training is provided through a CBT

TARGET POPULATION

This course is designed for mechanics and aircraft maintenance engineers.

REGULATORY COMPLIANCE

- ATA Specification 104 level 4 standards

Versions Available:
Instructor Led

Course Length:
12 hr

Performance Objective

At the completion of the Engine Ground Run course, students will be able to Recall:
Identify and use …

- Applicable reference manuals for Engine Test procedures
- Engine limitation
- Start the Engine in a safe manner adhering to all safety precautions
- Prepare the aircraft for an engine run
- Conduct a crew briefing
- Carry out a cockpit safety item check
- Carry out a cockpit check
- Apply External electrical power and or APU
- Conduct an Engine APU fire Test
- Start the engine using the following methods
  - Normal/Automatic
  - Manual
  - X Bleed
  - Dry Motoring procedure
  - Wet Motoring procedure
  - Carry out applicable system engine functional checks
  - Min Oil Pressure
  - Power assurance
- Recognize and respond to an engine fire and carry out the emergency shutdown procedure
- Recognize and respond to an APU fire and carry out the emergency shutdown procedure if required

Evaluation

Students must complete the CBT prior to attending the Engine Ground Run Checkout training.
During the Engine Ground Run Checkout and debriefing series of self-test topical verbal questions pertaining to course objectives will be asked,

Module 1 Self-paced estimated at 4 to 5 hours.

- CBT lesson
  - Powerplant system and controls overview
  - Normal starting
  - Alternate starting procedures

Module 2 Prior to Simulator Session 2 hours

- Debriefing

Module 3 Prior to Simulator Session 2 hours

- Instructor led briefing

Module 4 Simulator EGR Training & Evaluation 4 hours

Module 5 Post EGR Evaluation Briefing 1 hour

- Debriefing