

MODULE 14. PROPULSION

14.1 Turbine Engines

(a)

Constructional arrangement and operation of turbojet, turbofan, turbo shaft and turbo propeller engines;

(b)

Electronic Engine control and fuel metering systems (FADEC).

14.2 Engine Indicating Systems

Exhaust gas temperature/Interstage turbine temperature systems;

Engine speed;

Engine Thrust Indication: Engine Pressure Ratio, engine turbine discharge pressure or jet pipe pressure systems;

Oil pressure and temperature;

Fuel pressure, temperature and flow;

Manifold pressure;

Engine torque;

Propeller speed.

14.3 Starting and Ignition Systems

Operation of engine start systems and components;

Ignition systems and components;

Maintenance safety requirements