



ICAO

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Manual on Air Traffic Safety Electronics Personnel Competency-based Training and Assessment

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INTERNATIONAL CIVIL AVIATION ORGANIZATION

SUBJECT 11: INFRASTRUCTURE**TOPIC 1: FACILITIES****SUB-TOPIC 1.1: Power supplies**

1.1.1	Define the performance for power supply systems in the operational environment.	1	Availability, quality, Continuity of Service.
1.1.2	Define the main features of current power supply systems.	1	e.g. UPS systems, batteries and emergency generators, high voltage, earthing techniques, power provider(s).
1.1.3	Describe the power distribution system at an example operational site.	2	e.g. Power distribution redundancy, input, output, protections, measurements and monitoring, block schematic.

SUB-TOPIC 1.2: AIR CONDITIONING

1.2.1	State the function, appropriate terminology and performance of current air conditioning systems in use.	1	e.g. Air conditioning, water cooling, humidity control, air filtering system, visit to stations.
1.2.2	State the importance and criticality of maintaining a controlled environment.	1	Short- and long-term effect on people and equipment.



EASA
European Aviation Safety Agency



ATM/ANS
(IR + AMC/GM)

eRules

Appendix 2a – ATSEP Basic training – Streams

ATSEP UID <i>(Unique Objective Identifier)</i>	CORPUS	Tax	CONTENT
ATSEP.BAS.FAC	FACILITIES		
ATSEP.BAS.FAC_1	FACILITIES		
ATSEP.BAS.FAC_1.1	Power Supply Systems		
ATSEP.BAS.FAC_1.1.1	Define the performance for power supply systems in the operational environment	1	Availability, quality, Continuity of Service
ATSEP.BAS.FAC_1.1.2	Define the main features of current power supply systems	1	e.g. UPS systems, batteries and emergency generators, high voltage, earthing techniques, power provider(s)
ATSEP.BAS.FAC_1.1.3	Describe the power distribution system at an example operational site	2	e.g. power distribution redundancy, input, output, protections, measurements and monitoring, block schematic
ATSEP.BAS.FAC_1.2	Air Conditioning Systems		
ATSEP.BAS.FAC_1.2.1	State the function, appropriate terminology and performance of current air conditioning systems in use	1	e.g. air conditioning, water cooling, humidity control, air filtering system, visit to stations
ATSEP.BAS.FAC_1.2.2	State the importance and criticality of maintaining a controlled environment	1	Short- and long-term effect on people and equipment