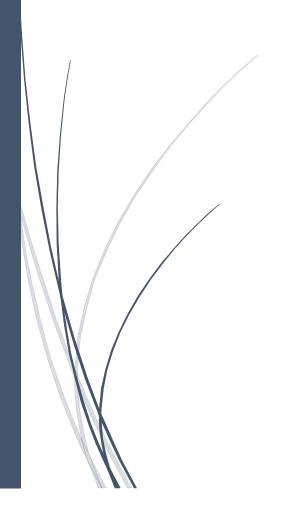
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GAS TURBINE AUXILLARY POWER UNIT MODEL SPECIFICATION

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TEMPLATE FOR GAS TURBINE AUXILIARY POWER UNIT MODEL SPECIFICATION

The following information must be considered, as appropriate, for inclusion into the model specification.

- 1. Manufacturers name and address.
- 2. Part number, serial number, and model designation.
- 3. Category for which approved.
- 4. Maximum allowable dry weight
- 5. The following performance information and limitations at standard sea level atmospheric conditions:
 - 5.1 Rated output shaft power (if applicable).
 - 5.2 Rated output speed (if applicable).
 - 5.3 Maximum turbine inlet or exhaust gas temperature at rated output.
 - 5.4 Maximum allowable speed and over speed duration
 - 5.5 Maximum Allowable turbine inlet or exhaust gas temperature.
 - 5.6 Minimum compressor bleed airflow (if applicable).
 - 5.7 Minimum compressor bleed air pressure ratio (if applicable).
 - 5.8 Maximum fuel consumption at rated output.
 - 5.9 Torque-Speed Characteristics
 - 5.10 Maximum Number of starts, time interval between successive starts
- 6 The temperature and speed control tolerances at rated output.
- 7 The maximum duration of time the APU is capable of operating without hazardous malfunction when the APU is subjected to negative "g" conditions.
- 8 The following lubrication system specification:
 - 8.1 Type, grade, and specification of oil.
 - 8.2 Maximum oil consumption rate.

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- 8.3 Maximum inlet oil temperature.
- 8.4 Minimum inlet oil pressure (if applicable).
- 8.5 Inlet oil flow rate (if applicable).
- 8.6 Maximum oil system outlet pressure (if applicable).
- 9 The following fuel system specifications:
 - 9.1 Type, grade, and specification of fuel.
 - 9.2 Minimum inlet fuel pressure.
 - 9.3 Maximum and minimum fuel inlet temperatures.
 - 9.4 Inlet fuel flow rate.
- 9.5 The type and degree of fuel filtering necessary for protection of the APU fuel system. against foreign particles in the fuel
 - 9.6 Method of preventing filter icing (if applicable).
- 10 Maximum loads, including shear, axial, and overhang moment, that the exhaust attachment provisions are capable of withstanding
- 11 The output shaft configuration, direction of shaft rotation, and maximum allowable overhang moment for the main power output pad (if applicable).
- 12 Maximum loads, including shear, axial, and overhung moment, that the compressor bleed air attachment provisions are capable of withstanding (if applicable).
 - 13 The following accessory drive specifications:
 - 13.1 Configuration of drive shaft and mounting pad.
 - 13.2 Direction of drive shaft rotation.
 - 13.3 Maximum static torque
 - 13.4 Rated torque.
 - 13.5 Ratio of accessory drive shaft RPM to power turbine RPM.
 - 13.6 Maximum overhung moment the mounting pad is capable of withstanding.

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