

**Flight Critical Control Valves, Military Aircraft**

**RATIONALE**

This aerospace recommended practice is issued to establish more uniform and technically efficient processes for the design, qualification and manufacture of Flight Critical Control Valves (FCCV's).

**FORWARD**

The primary application of FCCV's has been for helicopter flight critical control servoactuators which are used to continuously control rotor blade pitch. The single FCCV controls multiple servoactuator power stages to simplify redundancy management, minimize installation envelope and minimize weight. Although this specification is primarily focused on helicopter application, it may be used for design guidance on other types of flight control servoactuators (e.g., fighter aircraft, missile, unmanned aircraft), hydraulic system switching valves and mission critical utility system control valves.

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