

**SPECIAL CONDITION**  
**Back-up for Flight Instruments**

Doc. No. : **SC-F23.1311-01**  
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**SUBJECT** : **Back-up for Flight Instruments Requirement**  
**CERTIFICATION SPECIFICATION** : FAR 23.1311  
**PRIMARY GROUP / PANEL** : 6 (Avionics)  
**SECONDARY GROUPE / PANEL** : 5 (Electrical Systems)  
**NATURE** : **SCE**

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**SPECIAL CONDITION**  
**Back-up for Flight Instruments Requirement**

**SC23.1311 Electronic Display Instrument Systems**

Instead of FAR 23.1311 (a) Amdt 49 use:

Electronic display indicators, including those with features that make isolation and independence between powerplant instrument systems impractical, must:

- (1) Meet the arrangement and visibility requirements of FAR 23.1321.
- (2) Be easily legible under all lighting conditions encountered in the cockpit, including direct sunlight, considering the expected electronic display brightness level at the end of an electronic display indicator's useful life. Specific limitations on display system useful life must be contained in the instructions for Continued Airworthiness required by FAR 23.1529.
- (3) Not inhibit the primary display of attitude, airspeed, altitude, or powerplant parameters needed by any pilot to set power within established limitations, in any normal mode of operation.
- (4) Not inhibit the primary display of engine parameters needed by any pilot to properly set or monitor powerplant limitations during the engine starting mode of operation.
- (5) Not applicable
- (6) Incorporate sensory cues that provide a quick glance sense of rate and, where appropriate, trend information to the parameter being displayed to the pilot.
- (7) Incorporate equivalent visual displays of the instrument markings required by FAR 23.1541 through 23.1553, or visual displays that alert the pilot to abnormal operational values or approaches to established limitation values, for each parameter required to be displayed by this part.