

TABLE D2A—FLIGHT TRAINING DEVICE (FTD) OBJECTIVE TESTS—Continued

| QPS requirements | | | | | | | | Information | |
|------------------|---|--|---|--|-----------|---|---|-------------|--|
| Test | | Tolerances | Flight conditions | Test details | FTD level | | | Notes | |
| Entry No. | Title | | | | 5 | 6 | 7 | | |
| 2.c.4. | Maneuvering Stability | Longitudinal Control Position— $\pm 10\%$ of change from trim or ± 0.25 in. (6.3 mm) or Longitudinal Control Forces— ± 0.5 lb. (0.223 daN) or $\pm 10\%$. | Cruise or Climb. Augmentation On and Off. | Record results for at least two airspeeds at 30° – 45° bank angle. The force may be shown as a cross plot for irreversible systems. May be a series of snapshot tests. | | X | X | | |
| 2.d. | Lateral and Directional Handling Qualities. | | | | | | | | |
| 2.d.1. | Control Response. | | | | | | | | |
| 2.d.1.a. | Lateral | Roll Rate— $\pm 10\%$ or $\pm 3^\circ/\text{sec}$. Roll Attitude Change— $\pm 10\%$ or $\pm 3^\circ$. | Cruise Augmentation On and Offd. | Record results for at least two airspeeds, including the speed at or near the minimum power required airspeed. Record results for a step control input. The Off-axis response must show correct trend for unaugmented cases. | X | X | X | | |
| 2.d.1.b. | Directional | Yaw Rate— $\pm 10\%$ or $\pm 2^\circ/\text{sec}$. Yaw Attitude Change— $\pm 10\%$ or $\pm 2^\circ$. | Cruise Augmentation On and Off. | Record data for at least two Airspeeds, including the speed at or near the minimum power required airspeed. Record results for a step control input. The Off-axis response must show correct trend for unaugmented cases. | X | X | X | | |