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|---|---|---|---|---|---|---|---|---|
| | | ±7.5% of distance or ±76 m (250 ft).<br><br>For Level 6 FTD: ±5% of time or ±1.5 s. | | Speed for reject must be at least 80% of $V_1$.<br><br>Maximum braking effort, auto or manual.<br><br>Where a maximum braking demonstration is not available, an acceptable alternative is a test using approximately 80% braking and full reverse, if applicable.<br><br>Time and distance must be recorded from brake release to a full stop. | | | | applicable. |
| **1.b.7.b.** | Rejected Takeoff. | ±5% of time or ±1.5 s. | Takeoff | Record time for at least 80% of the segment from initiation of the rejected takeoff to full stop. | | **X** | | For Level 6 FTD, this test is required only if RTO training credit is sought. |
| **1.b.8.** | Dynamic Engine Failure After Takeoff. | ±2°/s or ±20% of body angular rates. | Takeoff. | Engine failure speed must be within ±3 kt of airplane data.<br><br>Engine failure may be a snap deceleration to idle.<br><br>Record hands-off from 5 s before engine failure to +5 s or 30° roll angle, whichever occurs first.<br><br>**CCA**: Test in Normal and Non-normal control state. | | | **X** | For safety considerations, airplane flight test may be performed out of ground effect at a safe altitude, but with correct airplane configuration and airspeed. |
| **1.c.** | **Climb.** | | | | | | | |
| **1.c.1.** | Normal Climb, all engines operating. | ±3 kt airspeed.<br><br>±0.5 m/s (100 ft/ min) or ±5% of rate of climb. | Clean. | Flight test data are preferred; however, airplane performance manual data are an acceptable alternative.<br><br>Record at nominal climb speed and mid initial climb altitude.<br><br>FTD performance is to be recorded over an interval of at least 300 m (1, 000 ft). | **X** | **X** | **X** | For Level 5 and Level 6 FTDs, this may be a snapshot test result. |
| **1.c.2.** | One-engine-inoperative 2nd segment climb. | ±3 kt airspeed.<br><br>±0.5 m/s (100 ft/ min) or ±5% of rate of climb, but not less than airplane performance data requirements. | 2nd segment climb. | Flight test data is preferred; however, airplane performance manual data is an acceptable alternative.<br><br>Record at nominal climb speed.<br><br>FTD performance is to be recorded over an interval of at least 300 m (1,000 ft).<br><br>Test at WAT (weight, altitude or temperature) | | | **X** | |