

The chart below summarizes ETOPS regulations before and after the proposed changes.

Proposed ETOPS requirement	Under current advisory circulars and policy			Under the proposed regulation		
	Twins	More than two engines	Part 135 operations	Twins	More than two engines	Part 135 operations
<b>Applicability</b>	More than 60 minutes from an adequate airport	Does not apply to turbine engine airplanes.	Does not apply	More than 60 minutes from an adequate airport	More than 180 minutes from an adequate airport	More than 180 minutes from an adequate airport
<b>Terminology</b>	ETOPS (Extended Operations for Two Engine Airplanes)	ETOPS does not currently apply to turbine engine airplanes with more than two engines	ETOPS does not currently apply to part 135 operations	ETOPS (Extended Operations)	ETOPS (Extended Operations)	ETOPS (Extended Operations)
<b>Maximum permissible distance from an adequate airport</b>	207 minutes	Not regulated	180 minutes	240 minutes with certificate holder approval, beyond 240 minutes with route specific approval	To maximum system limitation	240 minutes
<b>Cargo fire suppression</b>	Diversion limit plus 15 minutes	Not required	Not required	Diversion limit plus 15 minutes.	Diversion limit plus 15 minutes (6 year compliance period)	Not required
<b>Rescue and fire fighting service capability</b>	ICAO category 4	Not required	Not required	ICAO category 4 up to 180 min, ICAO category 7 beyond 180 min	ICAO category 7	Not required
<b>Passenger recovery plan</b>	Required for polar operations	Required for polar operations	Required for polar operations	Required	Required	Required
<b>Engine reliability standards</b>	IFSD rates: 0.02/1000 hrs for 180 min, 0.19/1000 hrs for 207 min	None	None	IFSD rates: 0.05/1000 hrs for 120 min, 0.02/1000 hrs for 180 min, 0.01/1000 hrs for > 180 min	IFSD rates: 0.2/1000 hrs for 3 engine airplanes, 0.1/1000 hrs for 4 engine airplanes	Not specified
<b>Areas of designated ETOPS applicability</b>	Polar	Polar	Polar	Applies	Applies	Applies
<b>Time-limited systems</b>	Per type design approval limit for the airplane (up to 207 min).	No requirement	No requirement	Specified in part 25, Appendix L	Specified in part 25, Appendix L	Specified in part 25, Appendix L
<b>Dispatch weather requirements for alternate</b>	Applies	No requirement	No requirement	Applies	Applies	Applies
<b>ETOPS maintenance program</b>	Required	No requirement	No requirement	Required	Required	Required
<b>Communication capabilities</b>	SATCOM required for 207 min ETOPS	No requirement	No requirement	Additional com required. SATCOM beyond 180 min..	Additional com required. SATCOM beyond 180 min..	Additional com required. SATCOM beyond 180 min..