

## Airline Flight Dispatch: Links and Information

### 14 CFR Part 121 Regulations

[http://www.ecfr.gov/cgi-bin/text-idx?tpl=/ecfrbrowse/Title14/14cfr121\\_main\\_02.tpl](http://www.ecfr.gov/cgi-bin/text-idx?tpl=/ecfrbrowse/Title14/14cfr121_main_02.tpl)

121.107 Dispatch Centers

121.533 Responsibility for operational control: Domestic operations

121.599 Familiarity with weather conditions

121.613 Dispatch or flight release under IFR or over the top.

121.617 Alternate airport for departure

121.619 Alternate airport for destination: IFR or over-the-top: Domestic Operations

121.625 Alternate airport weather minima

121.652 Landing Weather Minimums: IFR: All Certificate Holders

121.628 Inoperable instruments and equipment

121.639 Fuel Supply: All Domestic Operations

121.647 Factors for computing fuel required

121.191 En route limitations: One engine inoperative

121.687 Dispatch release: Flag and domestic operations

121.621 Alternate airport for destination: Flag operations

121.645 Fuel supply: Flag and supplemental operations

121.624 ETOPS Alternate Airports

**Aviation Weather Links:**

[www.aviationweather.gov](http://www.aviationweather.gov)

[www.intellicast.com](http://www.intellicast.com)

[www.wunderground.com/aviation](http://www.wunderground.com/aviation)

[www.turbulenceforecast.com](http://www.turbulenceforecast.com)

<https://weather.com/maps/travel/airportconditions>

[www.flightaware.com/resources/weather\\_maps/](http://www.flightaware.com/resources/weather_maps/)

**Takeoff Alternate Distances**

*One hour still air one engine inoperative*

Aircraft	Distance
A319/320/321	375 NM
A330	400 NM
737	325 NM
757	350 NM
767/777/787	375 NM

**Route Planning**

<https://flightaware.com/statistics/ifr-route/>

**Charts**

<https://skyvector.com>

<http://www.myairplane.com>

**Air Traffic Control**

<http://www.fly.faa.gov/ois/>

<https://www.fly.faa.gov/adv/advAdvisoryForm.jsp>

**Master Minimum Equipment Lists (MMEL)**

<http://fsims.faa.gov/PICResults.aspx?mode=Publication&doctype=MMEL>

## Alternate Minimums

Approach Facility Configuration	Ceiling	Visibility
For airports with at least one operational nav facility providing straight-in non-precision approach or Cat I precision approach, or, when applicable, a circling maneuver from an IAP	Add 400 feet to MDA(H) or DA(H) as applicable	Add 1 statute mile or 1600m to the landing minimum
For airports with at least two operational nav facilities, each providing a straight-in approach procedure to different suitable runways. (May be reciprocal approaches/same rwy)	Add 200ft to higher DA (H) or MDA (H) of the two approaches used.	Add ½ statute mile or 800 meters to the higher landing minimum of the two approaches used.
At least one usable Category II ILS. (Only applies to aircraft capable of single engine CAT II ILS approaches.)	300 feet	¾ statute mile or 1200 meters visibility or RVR 4000 feet (1200 meters).
At least one usable Category III ILS. (Only applies to aircraft capable of single engine CAT III ILS approaches.)	200	½ statute mile, domestic visibility or 800 meters international visibility, or RVR 1800 feet (550 meters).

## International Planning

Advisory Circular 120-42b:

[http://www.faa.gov/documentLibrary/media/Advisory\\_Circular/120-42B.pdf](http://www.faa.gov/documentLibrary/media/Advisory_Circular/120-42B.pdf)

NAT Doc 007

<http://www.icao.int/EURNAT/Pages/EUR-and-NAT-Document.aspx>

Central Flow Management Unit (CFMU) Network Operations Portal

<https://www.public.nm.eurocontrol.int/PUBPORTAL/gateway/spec/index.html>

### ETOPS Distances

Equipment	120 Minute	180 Minute	207 Minute
B757	855	1280	NA
B767	855	1285	NA
A330	850	1263	NA
B777	865	1295	1490
B787	868	1294	1485

### Visibility Conversions

RVR Available			
Meters	Feet	Meters	Feet
75M	300 ft.	550M	1800 ft.
125M	400 ft.	600M	2000 ft.
150M	500 ft.	630M	2100 ft.
175M	600 ft.	750M	2400 ft.
200M	700 ft.	1200M	4000 ft.
300M	1000 ft.	1400M	4500 ft.
350M	1200 ft.	1500M	5000 ft.
500M	1600 ft.	1800M	6000 ft.

RVR Not Available		
Statute	Meters	NM
1/4	400M	1/4
1/2	800M	1/2
3/4	1200M	7/10
1	1600M	9/10
1-1/4	2000M	1-1/10
1-1/2	2400M	1-3/10
1-3/4	2800M	1-1/2
2	3200M	1-3/4
2-1/4	3600M	2
2-1/2	4000M	2-2/10
2-3/4	4400M	2-4/10
3	4800M	2-6/10

Multiply	By	To Obtain
Kilometers	3281	Feet
Kilometers	0.5400	Nautical Miles
Kilometers	0.6214	Statute Miles