

2018 BOEING PILOT & TECHNICIAN OUTLOOK

PERSONNEL DEMAND BY SEGMENT AND REGION

(2018-2037 values)

| Region | Asia Pacific | North America | Europe | Middle East | Latin America | Africa | Russia & C. Asia | World |
|---|----------------|----------------|----------------|----------------|----------------|---------------|------------------|------------------|
| Growth Measures | | | | | | | | |
| Economic growth (GDP) % | 3.9% | 2.0% | 1.7% | 3.5% | 3.0% | 3.3% | 2.0% | 2.8% |
| Airline traffic (RPK) % | 5.7% | 3.1% | 3.8% | 5.2% | 5.9% | 6.0% | 3.9% | 4.7% |
| Airplane fleet (%) | 4.6% | 1.8% | 3.0% | 4.9% | 4.2% | 4.4% | 2.6% | 3.5% |
| Commercial Personnel Demand | | | | | | | | |
| Pilots | 240,000 | 127,000 | 118,000 | 60,000 | 43,000 | 24,000 | 23,000 | 635,000 |
| Technicians | 242,000 | 120,000 | 108,000 | 63,000 | 42,000 | 23,000 | 24,000 | 622,000 |
| Cabin Crew | 317,000 | 159,000 | 180,000 | 95,000 | 51,000 | 28,000 | 28,000 | 858,000 |
| Total | 799,000 | 406,000 | 406,000 | 218,000 | 136,000 | 75,000 | 75,000 | 2,115,000 |
| Business Aviation Personnel Demand | | | | | | | | |
| Pilots | 7,000 | 59,000 | 16,000 | 2,000 | 8,000 | 3,000 | 1,000 | 96,000 |
| Technicians | 6,000 | 55,000 | 15,000 | 2,000 | 7,000 | 3,000 | 1,000 | 89,000 |
| Cabin Crew | 4,000 | 15,000 | 7,000 | 2,000 | 2,000 | 1,000 | 1,000 | 32,000 |
| Total | 17,000 | 129,000 | 38,000 | 6,000 | 17,000 | 7,000 | 3,000 | 217,000 |
| Civil Helicopter Personnel Demand | | | | | | | | |
| Pilots | 14,000 | 20,000 | 12,000 | 2,000 | 6,000 | 2,000 | 3,000 | 59,000 |
| Technicians | 9,000 | 14,000 | 9,000 | 1,000 | 6,000 | 2,000 | 2,000 | 43,000 |
| Total | 23,000 | 34,000 | 21,000 | 3,000 | 12,000 | 4,000 | 5,000 | 102,000 |
| Total Personnel Demand | | | | | | | | |
| Pilots | 261,000 | 206,000 | 146,000 | 64,000 | 57,000 | 29,000 | 27,000 | 790,000 |
| Technicians | 257,000 | 189,000 | 132,000 | 66,000 | 55,000 | 28,000 | 27,000 | 754,000 |
| Cabin Crew | 321,000 | 174,000 | 187,000 | 97,000 | 53,000 | 29,000 | 29,000 | 890,000 |
| Total | 839,000 | 569,000 | 465,000 | 227,000 | 165,000 | 86,000 | 83,000 | 2,434,000 |