

# JACDEC SAFETY ANALYSIS

## AIRLINE RISK RANKING 2021

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## JACDEC SAFETY ANALYSIS AIRLINE RISK RANKING 2021

VALIDITY PERIOD 2021-01-01 - 2021-12-31

ALL DATA AS OF 2021-01-01

| RANK | Airline Name                     | Home Country             | ICAO Code 1 | Begin of Ops | Hull Losses <sup>2</sup> since 1989 |                    |                                      | Fleet Age <sup>2</sup> | Risk Index<br>2021 |
|------|----------------------------------|--------------------------|-------------|--------------|-------------------------------------|--------------------|--------------------------------------|------------------------|--------------------|
|      |                                  |                          |             |              | Non-fatal <sup>3</sup>              | Fatal <sup>3</sup> | Total No of Hull Losses <sup>2</sup> |                        |                    |
| 1    | Emirates                         | United Arab Emirates     | UAE         | 1985         | 1                                   | 0                  | 1                                    | 7,7                    | 94,75%             |
| 2    | Ethiad Airways                   | United Arab Emirates     | ETD         | 2003         | 0                                   | 0                  | 0                                    | 6,0                    | 94,73%             |
| 3    | Scot Tigerair                    | Singapore                | TGW         | 2003         | 0                                   | 0                  | 0                                    | 5,7                    | 94,52%             |
| 4    | Air Europa                       | Spain                    | AEA         | 1986         | 0                                   | 0                  | 0                                    | 5,5                    | 94,45%             |
| 5    | Finnair                          | Finland                  | FIN         | 1923         | 0                                   | 0                  | 0                                    | 8,8                    | 93,14%             |
| 6    | KLM - Royal Dutch Airlines       | The Netherlands          | KLM         | 1920         | 1                                   | 0                  | 1                                    | 10,6                   | 92,97%             |
| 7    | Transavia                        | The Netherlands          | TRA         | 1966         | 0                                   | 0                  | 0                                    | 10,6                   | 92,61%             |
| 8    | Oman Air                         | Oman                     | OMA         | 1981         | 0                                   | 0                  | 0                                    | 6,2                    | 92,31%             |
| 9    | EVA Air                          | Taiwan                   | EVA         | 1991         | 0                                   | 0                  | 0                                    | 6,3                    | 92,15%             |
| 10   | jetBlue Airways                  | United States of America | JBU         | 2000         | 0                                   | 0                  | 0                                    | 11,1                   | 91,90%             |
| 11   | Cathay Pacific Airways           | Hong Kong SAR - China    | CPA         | 1946         | 0                                   | 0                  | 0                                    | 6,0                    | 91,51%             |
| 12   | Jetstar Airways                  | Australia                | JST         | 2004         | 0                                   | 0                  | 0                                    | 10,4                   | 91,50%             |
| 13   | EasyJet                          | United Kingdom           | EZY         | 1996         | 0                                   | 0                  | 0                                    | 7,3                    | 91,12%             |
| 14   | Jet2.com                         | United Kingdom           | EKS         | 2002         | 0                                   | 0                  | 0                                    | 11,1                   | 90,99%             |
| 15   | Norwegian Air Shuttle            | Norway                   | NAX         | 1993         | 0                                   | 0                  | 0                                    | 7,7                    | 90,82%             |
| 16   | Aer Lingus                       | Ireland                  | EIN         | 1936         | 0                                   | 0                  | 0                                    | 10,5                   | 90,71%             |
| 17   | Delta Air Lines                  | United States of America | DAL         | 1929         | 2                                   | 0                  | 2                                    | 12,9                   | 90,63%             |
| 18   | WestJet Airlines                 | Canada                   | WJA         | 1996         | 0                                   | 0                  | 0                                    | 10,0                   | 90,59%             |
| 19   | Vueling Airlines                 | Spain                    | VLG         | 2004         | 0                                   | 0                  | 0                                    | 5,8                    | 90,56%             |
| 20   | Capital Airlines                 | China                    | CBJ         | 1995         | 0                                   | 0                  | 0                                    | 7,1                    | 90,55%             |
| 21   | Singapore Airlines               | Singapore                | SIA         | 1972         | 0                                   | 1                  | 1                                    | 3,9                    | 90,49%             |
| 22   | TAP Air Portugal                 | Portugal                 | TAP         | 1946         | 0                                   | 0                  | 0                                    | 8,4                    | 90,48%             |
| 23   | Air Canada                       | Canada                   | ACA         | 1937         | 2                                   | 0                  | 2                                    | 11,4                   | 90,40%             |
| 24   | WizzAir                          | Hungary                  | WZZ         | 2004         | 0                                   | 0                  | 0                                    | 5,8                    | 90,30%             |
| 25   | Virgin Australia                 | Australia                | VOZ         | 2000         | 0                                   | 0                  | 0                                    | 9,3                    | 90,27%             |
| 26   | QANTAS                           | Australia                | QFA         | 1922         | 0                                   | 0                  | 0                                    | 11,9                   | 90,25%             |
| 27   | AirAsia X                        | Malaysia                 | XAX         | 2007         | 0                                   | 0                  | 0                                    | 7,3                    | 90,14%             |
| 28   | Eurowings                        | Germany                  | EWG         | 1993         | 0                                   | 0                  | 0                                    | 8,5                    | 90,10%             |
| 29   | Virgin Atlantic Airways          | United Kingdom           | VIR         | 1984         | 0                                   | 0                  | 0                                    | 3,7                    | 89,87%             |
| 30   | Spirit Airlines                  | United States of America | NKS         | 1980         | 0                                   | 0                  | 0                                    | 4,5                    | 89,56%             |
| 31   | Southwest Airlines               | United States of America | SWA         | 1971         | 3                                   | 0                  | 3                                    | 12,5                   | 89,44%             |
| 32   | Alitalia                         | Italy                    | AZA         | 1947         | 3                                   | 0                  | 3                                    | 14,2                   | 89,42%             |
| 33   | Qatar Airways                    | Qatar                    | QTR         | 1994         | 0                                   | 0                  | 0                                    | 5,7                    | 89,11%             |
| 34   | Ryanair                          | Ireland                  | RZR         | 1985         | 1                                   | 0                  | 1                                    | 11,7                   | 89,08%             |
| 35   | Air Transat                      | Canada                   | TSC         | 1987         | 0                                   | 0                  | 0                                    | 5,8                    | 89,06%             |
| 36   | LATAM Chile                      | Chile                    | LAN         | 1929         | 0                                   | 1                  | 1                                    | 8,7                    | 89,02%             |
| 37   | Juneyao Airlines                 | China                    | DKH         | 2005         | 0                                   | 0                  | 0                                    | 5,4                    | 88,92%             |
| 38   | Shandong Airlines                | China                    | CDG         | 1991         | 0                                   | 0                  | 0                                    | 7,6                    | 88,90%             |
| 39   | Copa Airlines                    | Panama                   | CMP         | 1947         | 1                                   | 1                  | 2                                    | 8,0                    | 88,71%             |
| 40   | Frontier Airlines                | United States of America | FFT         | 1994         | 0                                   | 0                  | 0                                    | 1,4                    | 88,67%             |
| 41   | TUI Airways (UK)                 | United Kingdom           | TOM         | 1962         | 1                                   | 0                  | 1                                    | 7,5                    | 88,60%             |
| 42   | Shanghai Airlines                | China                    | CSH         | 1985         | 0                                   | 0                  | 0                                    | 7,5                    | 88,45%             |
| 43   | Air New Zealand                  | New Zealand              | ANZ         | 1940         | 0                                   | 0                  | 0                                    | 6,8                    | 88,34%             |
| 44   | ANA - All Nippon Airways         | Japan                    | ANA         | 1954         | 0                                   | 0                  | 0                                    | 8,7                    | 88,32%             |
| 45   | Hainan Airlines                  | China                    | CHH         | 1993         | 0                                   | 0                  | 0                                    | 6,4                    | 88,17%             |
| 46   | Hawaiian Airlines                | United States of America | HAL         | 1929         | 0                                   | 0                  | 0                                    | 9,1                    | 88,14%             |
| 47   | EL AL - Israel Airlines          | Israel                   | ELY         | 1949         | 1                                   | 0                  | 1                                    | 6,3                    | 88,10%             |
| 48   | Rosyya Airlines                  | Russia                   | SDM         | 2006         | 0                                   | 0                  | 0                                    | 14,6                   | 87,92%             |
| 49   | Condor Flugdienst                | Germany                  | CFG         | 1956         | 0                                   | 0                  | 0                                    | 20,0                   | 87,85%             |
| 50   | Shenzhen Airlines                | China                    | CSZ         | 1993         | 0                                   | 0                  | 0                                    | 7,9                    | 87,83%             |
| 51   | Sichuan Airlines                 | China                    | CSC         | 1988         | 0                                   | 0                  | 0                                    | 6,5                    | 87,81%             |
| 52   | Spring Airlines                  | China                    | CQH         | 2004         | 0                                   | 0                  | 0                                    | 5,6                    | 87,61%             |
| 53   | United Airlines                  | United States of America | UAL         | 1931         | 1                                   | 3                  | 4                                    | 14,5                   | 87,43%             |
| 54   | Swiss Airlines                   | Switzerland              | SWR         | 2002         | 1                                   | 0                  | 1                                    | 4,7                    | 87,39%             |
| 55   | Japan Airlines                   | Japan                    | JAL         | 1951         | 0                                   | 0                  | 0                                    | 9,9                    | 87,37%             |
| 56   | Volaris                          | Mexico                   | VOI         | 2005         | 0                                   | 0                  | 0                                    | 4,9                    | 87,10%             |
| 57   | Lufthansa                        | Germany                  | DLH         | 1955         | 1                                   | 1                  | 2                                    | 9,7                    | 86,97%             |
| 58   | Korean Air                       | South Korea              | KAL         | 1962         | 4                                   | 1                  | 5                                    | 10,1                   | 86,65%             |
| 59   | British Airways                  | United Kingdom           | BAW         | 1974         | 2                                   | 0                  | 2                                    | 10,6                   | 86,51%             |
| 60   | China Southern Airlines          | China                    | CSN         | 1990         | 1                                   | 2                  | 3                                    | 7,4                    | 86,41%             |
| 61   | Thai AirAsia                     | Thailand                 | AIQ         | 2003         | 0                                   | 0                  | 0                                    | 7,1                    | 86,32%             |
| 62   | Austrian Airlines                | Austria                  | AUA         | 1957         | 0                                   | 0                  | 0                                    | 15,2                   | 86,25%             |
| 63   | Tianjin Airlines                 | China                    | GCR         | 2007         | 0                                   | 0                  | 0                                    | 6,1                    | 86,02%             |
| 64   | IndiGo                           | India                    | IGO         | 2006         | 0                                   | 0                  | 0                                    | 4,4                    | 85,89%             |
| 65   | Skywest Airlines                 | United States of America | SKW         | 1972         | 0                                   | 1                  | 1                                    | 10,9                   | 85,79%             |
| 66   | Alaska Airlines                  | United States of America | ASA         | 1932         | 0                                   | 1                  | 1                                    | 8,6                    | 85,68%             |
| 67   | Xiamen Airlines                  | China                    | CXA         | 1985         | 1                                   | 0                  | 1                                    | 7,6                    | 85,29%             |
| 68   | AirAsia                          | Malaysia                 | AXM         | 1996         | 0                                   | 0                  | 0                                    | 5,4                    | 85,19%             |
| 69   | Azul Brazilian Airlines          | Brazil                   | AZU         | 2008         | 0                                   | 0                  | 0                                    | 5,9                    | 84,97%             |
| 70   | China Eastern Airlines           | China                    | CES         | 1988         | 0                                   | 1                  | 1                                    | 7,3                    | 84,67%             |
| 71   | Iberia                           | Spain                    | IBE         | 1927         | 3                                   | 0                  | 3                                    | 5,6                    | 84,42%             |
| 72   | AeroMexico                       | Mexico                   | AMX         | 1934         | 4                                   | 0                  | 4                                    | 7,6                    | 83,71%             |
| 73   | American Airlines                | United States of America | AAL         | 1934         | 5                                   | 5                  | 10                                   | 10,4                   | 83,51%             |
| 74   | Air France                       | France                   | AFR         | 1933         | 2                                   | 3                  | 5                                    | 13,4                   | 83,10%             |
| 75   | Jeju Air                         | South Korea              | JJA         | 2006         | 1                                   | 0                  | 1                                    | 11,7                   | 83,08%             |
| 76   | Air China                        | China                    | CCA         | 1988         | 1                                   | 1                  | 2                                    | 8,2                    | 82,56%             |
| 77   | Philippine Airlines              | The Philippines          | PAL         | 1941         | 2                                   | 0                  | 2                                    | 4,8                    | 82,07%             |
| 78   | Avianca Colombia                 | Colombia                 | AVA         | 1919         | 0                                   | 0                  | 0                                    | 7,8                    | 81,24%             |
| 79   | GOL - Linhas Aereas Inteligentes | Brazil                   | GLO         | 2001         | 0                                   | 1                  | 1                                    | 11,0                   | 80,97%             |
| 80   | Vietjet Air                      | Vietnam                  | VJC         | 2011         | 0                                   | 0                  | 0                                    | 4,1                    | 80,61%             |
| 81   | SpiceJet                         | India                    | SEJ         | 2005         | 3                                   | 0                  | 3                                    | 10,8                   | 80,19%             |
| 82   | Saudia - Saudi Arabian Airlines  | Saudi Arabia             | SVA         | 1947         | 4                                   | 1                  | 5                                    | 6,1                    | 79,78%             |
| 83   | Scandinavian Airlines - SAS      | Sweden                   | SAS         | 1946         | 3                                   | 1                  | 4                                    | 7,1                    | 78,71%             |
| 84   | Vietnam Airlines                 | Vietnam                  | HVN         | 1989         | 1                                   | 2                  | 3                                    | 5,9                    | 78,64%             |
| 85   | LATAM Brasil                     | Brazil                   | TAM         | 1976         | 2                                   | 2                  | 4                                    | 9,9                    | 78,32%             |
| 86   | Azur Air                         | Russia                   | KTK         | 1995         | 0                                   | 1                  | 1                                    | 21,2                   | 77,96%             |
| 87   | Asiana Airlines                  | South Korea              | AAR         | 1988         | 1                                   | 2                  | 3                                    | 11,9                   | 76,93%             |
| 88   | Thai Airways International       | Thailand                 | THA         | 1960         | 1                                   | 2                  | 3                                    | 5,4                    | 76,39%             |
| 89   | Ural Airlines                    | Russia                   | SVR         | 1993         | 1                                   | 0                  | 1                                    | 13,9                   | 76,24%             |

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|     |                             |                 |     |      |   |   |   |      |        |
|-----|-----------------------------|-----------------|-----|------|---|---|---|------|--------|
| 90  | Aeroflot - Russian Airlines | Russia          | AFL | 1992 | 5 | 2 | 7 | 5,2  | 75,89% |
| 91  | Pegasus Airlines            | Turkey          | PGT | 1990 | 1 | 1 | 2 | 4,3  | 75,47% |
| 92  | Air India                   | India           | AIC | 1932 | 2 | 0 | 2 | 7,9  | 73,09% |
| 93  | THY Turkish Airlines        | Turkey          | THY | 1956 | 5 | 3 | 8 | 7,5  | 71,99% |
| 94  | Malaysia Airlines           | Malaysia        | MAS | 1972 | 1 | 3 | 4 | 7,9  | 70,68% |
| 95  | China Airlines              | Taiwan          | CAL | 1959 | 2 | 4 | 6 | 10,1 | 70,45% |
| 96  | Cebu Pacific Air            | The Philippines | CEB | 1996 | 1 | 1 | 2 | 4,0  | 68,15% |
| 97  | S7 Airlines                 | Russia          | SBI | 1992 | 0 | 3 | 3 | 9,5  | 67,74% |
| 98  | Ethiopian Airlines          | Ethiopia        | ETH | 1962 | 3 | 3 | 6 | 6,3  | 65,87% |
| 99  | Garuda Indonesia            | Indonesia       | GIA | 1949 | 2 | 4 | 6 | 8,7  | 55,33% |
| 100 | Lion Air                    | Indonesia       | LNI | 2000 | 6 | 2 | 8 | 8,0  | 55,11% |



<sup>1</sup> ICAO  
International  
Civil Aviation  
Organization

<sup>2</sup> Only revenue passenger flights,  
no cargo, training or ferry flights.

<sup>3</sup> On-board fatalities only. No 3rd party  
casualties on the ground or in other  
aircraft.

<sup>4</sup> Only passenger aircraft.  
Data as of 2020-12-31