Available Aircraft Types and Their Respective Speeds

A320: 520 kts
B738: 530 kts
B734: 465 kts
B744: 490 kts
B737: 520 kts
A388: 530 kts
A333: 460 kts

Coordinates of Air Route Waypoints in Degrees

Coordinates of ATPOM are Latitude 0.406944444° and Longitude 105.3538889°.

Coordinates of BOBOB are Latitude 2.368333333° and Longitude 107.0994444°.

Coordinates of DAMOG are Latitude 4.206944444° and Longitude 105.0038889°.

Coordinates of DOLOX are Latitude 4.811388889° and Longitude 105.3797222°.

Coordinates of DOVOL are Latitude 3.513055556° and Longitude 103.8230556°.

Coordinates of DUBSA are Latitude 3.816944444° and Longitude 104.7611111°.

Coordinates of DUDIS are Latitude 7.0° and Longitude 106.8094444°.

Coordinates of ELGOR are Latitude 3.503888889° and Longitude 105.805°.

Coordinates of ESPIT are Latitude 2.003055556° and Longitude 107.44°.

Coordinates of HOSBA are Latitude 1.33° and Longitude 104.405°.

Coordinates of IDSEL are Latitude 3.408888889° and Longitude 103.9288889°.

Coordinates of KAMIN are Latitude 2.578888889° and Longitude 108.9269444°.

Coordinates of KETOD are Latitude 3.178888889° and Longitude 104.1619444°.

Coordinates of KILOT are Latitude 3.038055556° and Longitude 104.6730556°.

Coordinates of LIPRO are Latitude 2.895° and Longitude 105.1911111°.

Coordinates of LUSMO are Latitude 3.561388889° and Longitude 106.9261111°.

Coordinates of MABAL are Latitude 3.473888889° and Longitude 105.21°.

Coordinates of MABLI are Latitude 4.288055556° and Longitude 106.2130556°.

Coordinates of MASBO are Latitude 2.046666667° and Longitude 102.8808333°.

Coordinates of MELAS are Latitude 7.088888889° and Longitude 108.1530556°.

Coordinates of OBLOT are Latitude 1.715555556° and Longitude 106.6963889°.

Coordinates of OLKIT are Latitude 4.836111111° and Longitude 111.855°.

Coordinates of OMBAP are Latitude 2.521111111° and Longitude 106.545°.

Coordinates of OPULA are Latitude 3.531944444° and Longitude 106.355°.

Coordinates of OTLON are Latitude 3.131111111° and Longitude 104.335°.

Coordinates of PADLI are Latitude 3.155° and Longitude 103.5258333°.

Coordinates of RAXIM are Latitude 3.055° and Longitude 104.2869444°.

Coordinates of SABIP are Latitude 2.161111111° and Longitude 107.8455556°.

Coordinates of SURGA are Latitude -0.615833333° and Longitude 106.5219444°.

Coordinates of SUSAR are Latitude 3.98° and Longitude 105.2630556°.

Coordinates of TERIX are Latitude 4.255833333° and Longitude 109.5822222°.

Coordinates of TOMAN are Latitude 1.363055556° and Longitude 105.7880556°.

Coordinates of UGPEK are Latitude 3.613055556° and Longitude 104.1311111°.

Coordinates of URIGO are Latitude 3.418055556° and Longitude 104.1130556°.

Coordinates of VISAT are Latitude 3.438888889° and Longitude 104.5261111°.

Coordinates of VMR are Latitude 2.388333333° and Longitude 103.8716667°.

Coordinates of VPK are Latitude 3.383055556° and Longitude 103.4233333°.

Coordinates of SABKA are Latitude 1.8475° and Longitude 103.2869444°.

Coordinates of KK are Latitude 1.521666667° and Longitude 103.99°.

Coordinates of SJ are Latitude 1.2225° and Longitude 103.8541667°.

Coordinates of VJB are Latitude 1.664° and Longitude 103.6608889°.

Coordinates of SAROX are Latitude 2.800555556° and Longitude 102.6719444°.

Coordinates of TPG are Latitude 0.903611111 and Longitude 104.5144444°.

Common Flight Paths in Sector 6

```
{
"time": <Initialization time of aircraft after simulation start in seconds>,

"type": "A320",

"departure": {

"af": "WMKK"

},

"initial_position": {

"latitude": "032505.00N",

"longitude": "1040647.00E",

"altitude": "FL370",

"heading": "87.11436821923061"

},

"air_route": ["IDSEL", "URIGO", "VISAT", "MABAL", "ELGOR", "OPULA", "LUSMO",

"TERIX", "OLKIT"],

"destination": {

"af": "WBKK"

}

}


{"time": <Initialization time of aircraft after simulation start in seconds>,

"type": "B738",

"departure": {

"af": "WBGG"

},

"initial_position": {

"latitude": "022206.00N",

"longitude": "1070558.00E",

"altitude": "FL380",
```

```json
    "heading": "285.33249995492605"
  },
  "air_route": ["BOBOB", "OMBAP", "LIPRO", "KILOT", "OTLON", "KETOD", "VPK"],
  "destination": {
    "af": "WMKP"
  }
}

{
  "time": <Initialization time of aircraft after simulation start in seconds>,
  "type": "B734",
  "departure": {
    "af": "WSSS"
  },
  "initial_position": {
    "latitude": "023106.70N",
    "longitude": "1035709.81E",
    "altitude": "FL160",
    "heading": "32.053335700277444"
  },
  "air_route": ["RAXIM", "OTLON", "VISAT", "DUBSA", "DAMOG", "DOLOX",
  "DUDIS"],
  "destination": {
    "af": "ZSFZ"
  }
}

{
  "time": <Initialization time of aircraft after simulation start in seconds>,
```

"type": "B744",

"departure": {

"af": "WMKK"

},"initial_position": {

"latitude": "032505.00N",

"longitude": "1040647.00E",

"altitude": "FL330",

"heading": "87.11436821923061"

},

"air_route": ["IDSEL", "URIGO", "VISAT", "MABAL", "ELGOR", "OPULA", "LUSMO",

"TERIX", "OLKIT"],

"destination": {

"af": "WBKK"

}

        }

{

"time": <Initialization time of aircraft after simulation start in seconds>,

"type": "A388",

"departure": {

"af": "WBSB"

},

"initial_position": {

"latitude": "034317.75N",

"longitude": "1073208.46E",

"altitude": "FL380",

"heading": "255.502032736874"

},

"air_route": ["LUSMO", "OPULA", "ELGOR", "MABAL", "VISAT", "URIGO", "IDSEL",

"PADLI", "SAROX"],

```json
    "destination": {
        "af": "WMKK"
    }
}

{
    "time": <Initialization time of aircraft after simulation start in seconds>,
    "type": "A333",
    "departure": {
        "af": "WMSA"
    },
    "initial_position": {
        "latitude": "032048.47N",
        "longitude": "1033316.81E",
        "altitude": "FL160",
        "heading": "105.35629179270975"
    },
    "air_route": ["KETOD", "OTLON", "KILOT", "LIPRO", "OMBAP", "BOBOB", "SABIP", "AGOBA"],
    "destination": {
        "af": "WBKL"
    }
}

{
    "time": <Initialization time of aircraft after simulation start in seconds>,
    "type": "A320",
    "departure": {
        "af": "WSSS"
```

      },

"initial_position": {

"latitude": "023106.70N",

"longitude": "1035709.81E",

"altitude": "FL160",

"heading": "32.053335700277444"

},

"air_route": ["RAXIM", "OTLON", "VISAT", "DUBSA", "DAMOG", "DOLOX","DUDIS"],

"destination": {

"af": "VHHH"

}

      }

{

"time": <Initialization time of aircraft after simulation start in seconds>,

"type": "B738",

"departure": {

"af": "WSSS"

},

"initial_position": {

"latitude": "023106.70N",

"longitude": "1035709.81E",

"altitude": "FL160",

"heading": "32.053335700277444"

},

"air_route": ["RAXIM", "OTLON", "VISAT", "DUBSA", "DAMOG", "DOLOX",

"DUDIS"],

"destination": {

"af": "ZSPD"

}

```json
        }

{
"time": <Initialization time of aircraft after simulation start in seconds>,
"type": "B738",
"departure": {
"af": "RCTP"
},
"initial_position": {
"latitude": "093147.00N",
"longitude": "1095009.00E",
"altitude": "FL400",
"heading": "214.60259773832308"
},
"air_route": ["MELAS", "MABLI", "SUSAR", "DUBSA", "UGPEK", "DOVOL", "PADLI",
"SAROX"],
"destination": {
"af": "WMKK"
}
        }


{
"time": <Initialization time of aircraft after simulation start in seconds>,
"type": "B734",
"departure": {
"af": "WARR"
},
"initial_position": {
"latitude": "061454.00N",
"longitude": "1132122.00E",
```

"altitude": "FL360",

"heading": "232.6982289415827"

},

"air_route": ["SUMDI", "SURGA", "ATPOM", "TPG", "SJ", "VJB", "SABKA",

"MASBO"],

"destination": {

"af": "WMKK"

}

}

{

"time": <Initialization time of aircraft after simulation start in seconds>,

"type": "B744",

"departure": {

"af": "WBSB"

},

"initial_position": {

"latitude": "045010.00N",

"longitude": "1115118.00E",

"altitude": "FL340",

"heading": "255.81768675597408"

},

"air_route": ["TERIX", "LUSMO", "OPULA", "ELGOR", "MABAL", "VISAT", "URIGO",

"IDSEL", "PADLI"],

"destination": {

"af": "WMKK"

}

}

{

"time": <Initialization time of aircraft after simulation start in seconds>,

"type": "A388",

"departure": {

"af": "WBKK"

},

"initial_position": {

"latitude": "045010.00N",

"longitude": "1115118.00E",

"altitude": "FL380",

"heading": "255.81768675597408"

},

"air_route": ["TERIX", "LUSMO", "OPULA", "ELGOR", "MABAL", "VISAT", "URIGO",

"IDSEL", "PADLI", "SAROX"],

"destination": {

"af": "WMKK"

}

}

{

"time": <Initialization time of aircraft after simulation start in seconds>,

"type": "A333",

"departure": {

"af": "WBGG"

},

"initial_position": {

"latitude": "015840.00N",

"longitude": "1083000.00E",

"altitude": "FL360",

"heading": "285.57121908634656"

},

"air_route": ["SABIP", "BOBOB", "OMBAP", "LIPRO", "KILOT", "OTLON", "KETOD",

"PADLI", "SAROX"],

"destination": {

"af": "WMKK"

}

}

{

"time": <Initialization time of aircraft after simulation start in seconds>,

"type": "A320",

"departure": {

"af": "WMKJ"

},

"initial_position": {

"latitude": "013950.40N","longitude": "1033939.20E",

"altitude": "FL320",

"heading": "113.25103493940942"

},

"air_route": ["KK", "HOSBA", "TOMAN", "OBLOT", "ESPIT", "SABIP", "KAMIN"],

"destination": {

"af": "WBKK"

}

}

{

"time": <Initialization time of aircraft after simulation start in seconds>,

"type": "B737",

"departure": {

"af": "WSSS"

},

"initial_position": {

"latitude": "014522.00N",

"longitude": "1035443.00E",

"altitude": "FL320",

"heading": "356.3333539334049"

},

"air_route": ["VMR", "RAXIM", "OTLON", "VISAT", "DUBSA", "DAMOG", "DOLOX", "DUDIS"],

"destination": {

"af": "ZBAA"

}

}