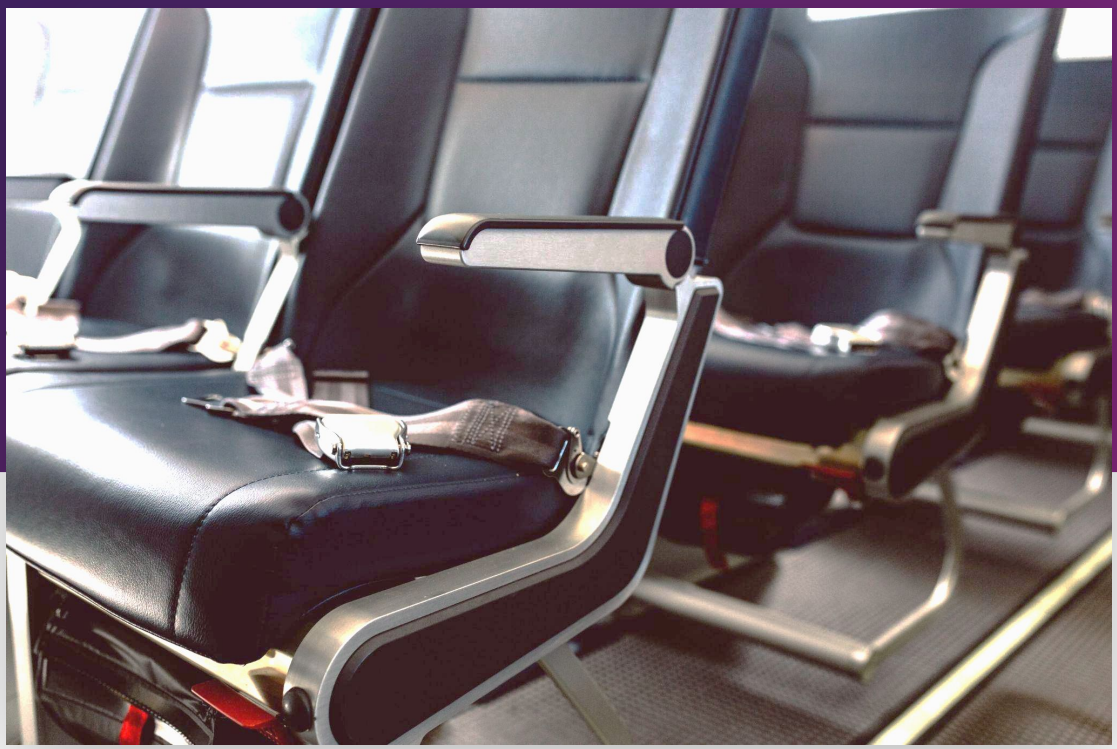
AIRLINE SCOPE

v3

Protect Your Travellers

airlinescope.com



INTRODUCTION

Commercial airline travel is extremely safe, however, accidents & incidents still occur every day.

If you or your employees are one of the thousands of business travellers that take to the sky every day, what mitigation techniques are you applying to lower the chances of becoming another statistic?

We provide you with the tools to perform risk assessments on thousands of airlines around the world.

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About Us

Airline Scope was launched in 2019 to meet the needs of businesses who require relevant and recent information about which airlines are safest or appropriate for their employees to use.

This product is the most comprehensive commercial airline risk assessment platform available online. It is built from the ground up in a modern JavaScript framework to be fast loading, secure, clean, responsive, and always **up to date**.

Airline Scope is developed and maintained by Joel Targett, who has over 10 years experience in building airline risk assessment systems. Joel is a keen aviation enthusiast and loves to travel. We are based in Newcastle, NSW Australia.

joel@airlinescope.com

Our Service

Software-as-a-service (SaaS)

Airline Scope provides risk assessments on thousands of aircraft operators, available on our portal at **airlinescope.com**.

Subscribers may log in with their desktop or mobile devices and see live airline assessments, rated accidents, travel advisories, country ratings, and much more!

Use the **IOGP ASAM** as the basis of your risk assessments, or create your own custom mechanism through consultation with your aviation and travel risk management experts.

Why Assess Airlines?

2018

OF1	OF2	OF3	OF4	OF5
1	0	2	34	227

[191 Fatalities]

Number of accidents & incidents rated by **Airline Scope** based on severity; OF1 being the worst. Scheduled passenger flights only.

Commercial airline accidents involving fatalities still occur on average two to three times per year, and accidents involving injuries to passengers and crew may happen as often as once a week.

Even though the odds of being in an airline accident are statistically low, risk mitigation is still a necessity. When companies are sending employees on tens, hundreds, or even thousands of flights per year - the risk factor grows exponentially and needs to be addressed.

Not all airlines are equal. The commercial aviation industry is incredibly complex and resources are finite. By gathering airline data and passing it through a risk assessment mechanism, we can start to analyse the strengths and weaknesses of each carrier and compare them on given routes.

Using this information, a company can make decisions on which airlines their employees should use, meeting their duty of care and acting in the best interest of their staff.

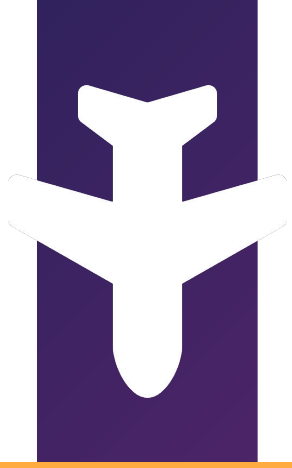
How it works

Thousands of global aircraft operators are automatically imported into our database - retrieved from the most comprehensive aviation sources available.

Based on validity criteria, we apply up to **26** operator metrics to each.

These metrics are based upon current fleet information, flights operated, age, alliances, IOSA, and EU banned status.

A list of all available operator metrics is shown on page 13.



- **Accidents in the last 5/10 years**
- **Flights in the last 5/10 years**
- **Hours in the last 5/10 years**
- **Aircraft (Pax) in service**
- **Aircraft on order (+ LOI)**
- **Aircraft on option (+ LOI)**
- **Belongs to a major alliance?**
- **Banned from the EU?**
- **Passed an IOSA?**
- **Partnerships & codeshares**
- **Years in operation**

IOGP ASAM

If enough preliminary metrics are available, an additional **14** operator metrics are applied to each airline based on the **International Association of Oil & Gas Producers' (IOGP)** own airline safety assessment mechanism, or **ASAM (report 418)**.

If all metrics are valid, an ASAM score out of ten will be calculated. This is generally reserved for regularly scheduled, fixed-wing operators only.

Setting
Company Levels & Rules

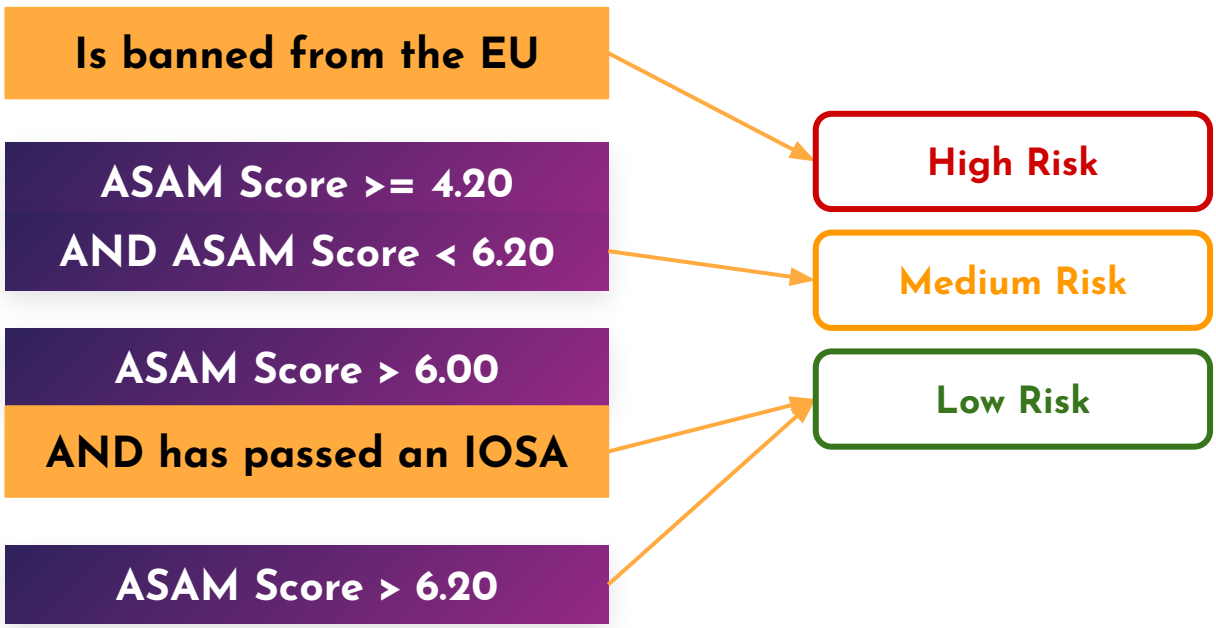
Step 1. Create different (fully customisable) levels for your company. Eg:

High Risk **Medium Risk** **Low Risk**

Step 2. Write up travel guidelines for each level, advising staff as to what protocols they must follow if they wish to book travel on a certain airline. Eg:

"Low Risk airlines may be booked freely."
"High Risk airlines are not be used without approval."

Step 3. Create **unlimited risk rules** based on value combinations of ANY of the **40** operator metrics that are applied to each airline.



Airlines List

Once you've setup your levels, guidelines, and rules, you will have access to a list of **thousands** of aircraft operators assigned into each level - or N/A if no rules are matched. These results are updated constantly. You can even manually override the level of any airline if you have other prior knowledge.

Name	Country	ASAM Score	Risk Level
Air China	China	**7.28** / 10.00	Low Risk
LAM Mozambique	Mozambique	**2.42** / 10.00	High Risk
Air Mauritius	Mauritius	**5.43** / 10.00	Medium Risk

Example only, not real data.

4 convenient options for providing the airlines list to your staff:

Export the airlines list or any individual report as a PDF or XLSX document for company distribution.

Provide logins to users to view the airlines on our portal.

Embed the list in your company intranet or booking system using simple HTML tags.

Get data on command using an advanced API.

V2 vs. V3

Version 3 launches two years after the previous release, designed to address a number of limitations.

Released 2020	Released 2023
Limited to **~1,000** ASAM compatible airlines	**~5,000** operators visible **~1,000** with ASAM results
Maximum of 3 levels	**Unlimited** levels
Maximum of 6 rules, all based on ASAM results	**Unlimited** rules, not exclusive to the ASAM. BYO assessment mechanism if you wish.
Airlines are assessed based on 14 (ASAM) factors	Airlines are assessed on up to 40 metrics, extendable in the future
	Whole new portal developed from the ground up - fast and works across many devices.
	Greater user management, with invitations, password resetting, and full monitoring of staff.

	Operator Metric Types	Valid for all operators	Min Value	Max Value	Weighting
1.	Home Country	Yes	-	-	-
2,3	Accidents & Incidents in the last 10/5 years *	Yes	0	-	-
4.	Fatal Accidents in the last 10 years	Yes	0		
5,6,7,8	Number of flights/hours operated in last 10/5 years	Yes	0	-	-
9,10	Accident Rate (by hours/flights) over 5 years	Yes	0	-	-
11,12	Fatal Accident Rate (by hours/flights) over 5 years	Yes	0	-	-
13,14	Aircraft (pax/any) in service	Yes	0	-	-
15,16,17	Aircraft on order/on option/in storage	Yes	0	-	-
18,19	Aircraft LOI to order/to option	Yes	0	-	-
20,21	Average fleet age/pax fleet age (Years)	Yes	0	-	-
22.	Belongs to an airline alliance	Yes	False	True	-
23.	Number of codeshares	Yes	0	-	-
24.	Years in operation	Yes	0	-	-
25.	Banned from operating to the E.U.	Yes	False	True	-
26.	Has passed an IOSA	Yes	False	True	-
27.	ASAM AF1 - Fleet Age	needs [13]	0	1	2
28.	ASAM AF2 - Fleet Composition	Yes	0	1	1
29.	ASAM AF3 - Aircraft Equipment	needs [13]	0	1	1.5
30.	ASAM AF4 - Conduct of Operations	needs [25] & [26]	0	1	3
31.	ASAM AF5 - Partnerships & Alliances	needs [22] & [23]	0	1	1
32.	ASAM AF6 - Airline Financial Standing	-	0	1	0.5
33.	ASAM AF7 - Airline Maturity	needs [24]	0	1	0.5
34.	ASAM AF8 - Airline Security	Yes	0	1	0.5
35.	ASAM AF - Airline Factor	needs [27 to 34]	0	10	-
36.	ASAM WNA - Weighted Number of Accidents	needs [2]	0	-	-
37.	ASAM EAR - Effective Accident Rate	needs [36] & [5]	0	-	-
38.	ASAM SF - Safety Factor	needs [37]	0	1	-
39.	ASAM CF - Country Factor	Yes	0	5	-
40.	ASAM Score	needs [35] & [38] & [39]	0	10	-

AIRLINE SCOPE

Newcastle NSW 2282
AUSTRALIA

airlinescope.com