



# SCHEDULES ANALYSER

## USER GUIDE

JUNE 2017

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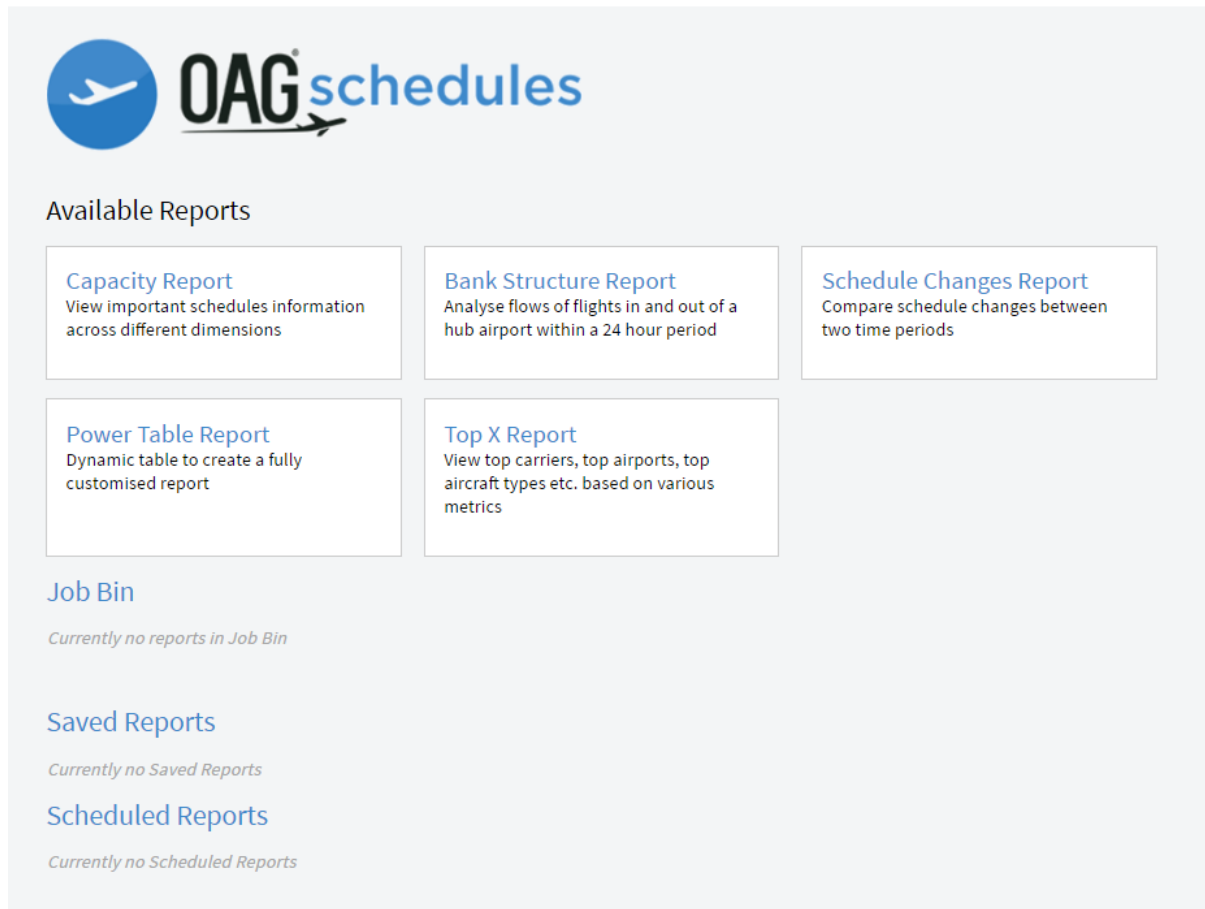
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## 1 INTRODUCTION

### 1.1 About the Tool

OAG Schedules Analyser provides you access to OAG's airline schedules database and the tools which enable you to analyse and identify trends, spot commercial opportunities and monitor competitor activity.

[Modules](#) | [My OAG](#) | [Reference](#) | [User Guide](#) | [Your Account](#)



OAG Schedules Analyser sits within the OAG Analyser Suite of products, each accessed via a common dashboard. Each product has been designed to have a high degree of commonality so that screens are visually comparable, and users of one will find it easy to use the other products and create outputs in similar and comparable formats where needed.

### 1.2 Key Features

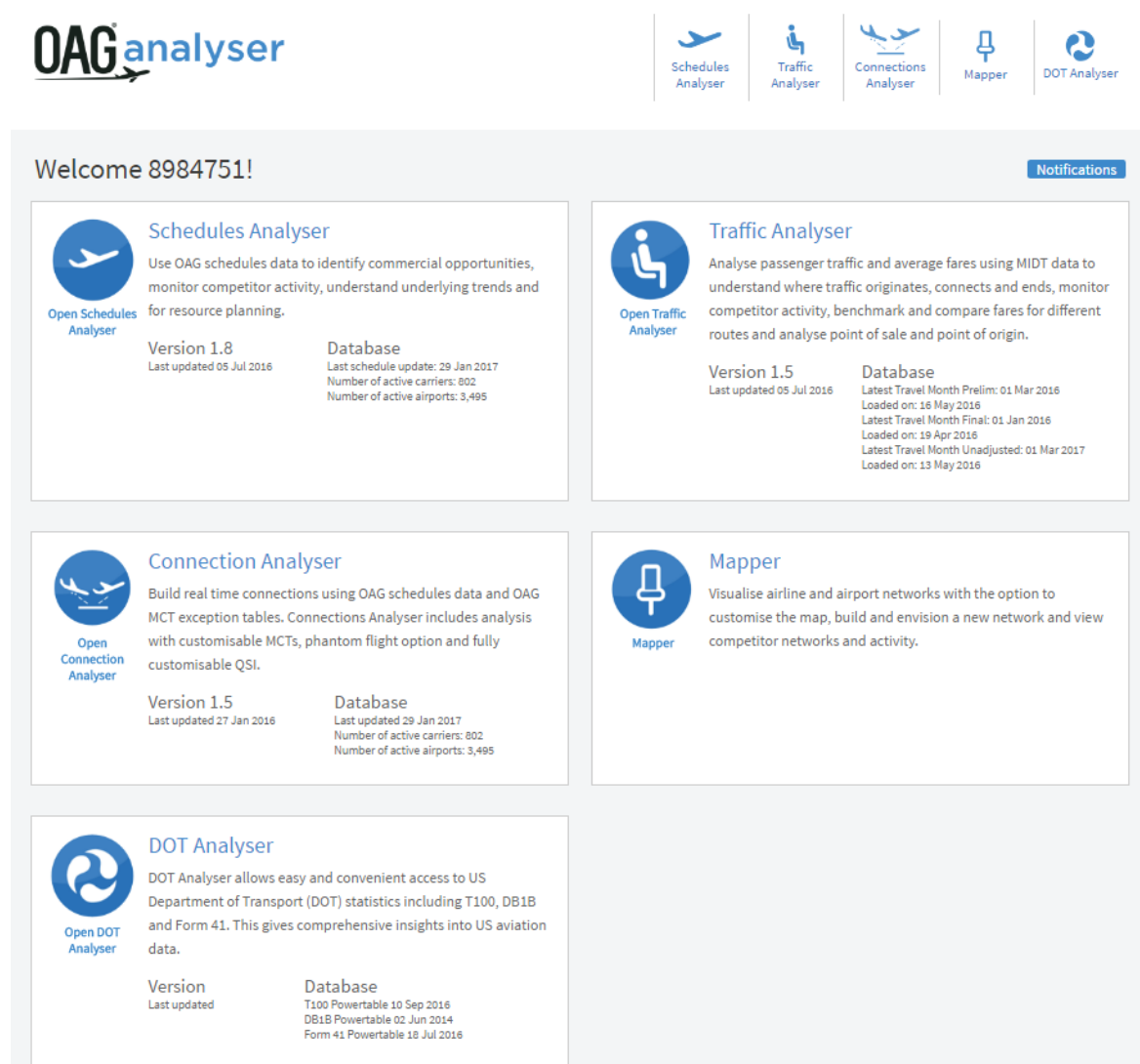
OAG Schedules Analyser has been designed to meet the needs of a wide variety of users. This means that the occasional user can access data quickly and easily via standardised reports. Equally, the user requiring in-depth analysis can configure settings, tailor outputs and create their own reports.

- ☐ Data available back to 1996
- ☐ 4 standard reports as well as 'power tables' feature for ultimate flexibility
  - ☐ Schedules Capacity Report
  - ☐ Schedules Bank Structure Report
  - ☐ Schedules Changes Report
  - ☐ Schedules Power table
  - ☐ Top X report
- ☐ The ability to create groups of airlines, airports, aircraft types , cities, countries and regions to generate reports which meet your needs
- ☐ Save reports. Schedule the reports you need regularly. Create Job receipts – all saving you time and automating tasks for you
- ☐ Reference tables which provide detailed information on airport, airline and aircraft codes, alliance groupings, seasons, countries and regions, a distance calculator and minimum connecting times.
- ☐ Integrated mapping and data export capability (.CSV, .PDF, .XLS, .XLSX)

## 2 GETTING STARTED

This guide provides all the information you need to start using OAG Schedules Analyser. It has been designed to walk you through all of the steps involved with getting the data you need from Schedules Analyser and can be used on its own, or in conjunction with the [user guide videos](#) on our website. There is also a [glossary of terms](#) on our website which explains both standard industry terminology and some of the more obscure terms used, and a [frequently asked questions](#) section.

If you have any log in or account issues please contact [ContactUs@oag.com](mailto:ContactUs@oag.com). If you would like to give feedback on your experience of using Schedules Analyser or if you have any problems using this tool please contact your account manager and they will be able to help you or pass you on to the relevant department to help. When you log into OAG Analyser you will see a screen like this which is the dashboard for all of the Analyser modules .



The screenshot shows the OAG analyser dashboard. At the top, there is a navigation bar with the OAG analyser logo and five icons representing different modules: Schedules Analyser, Traffic Analyser, Connections Analyser, Mapper, and DOT Analyser. Below the navigation bar, the dashboard is divided into a grid of modules. Each module card includes an icon, a title, a brief description, and version/database information.


Module	Description	Version	Database
Schedules Analyser	Use OAG schedules data to identify commercial opportunities, monitor competitor activity, understand underlying trends and for resource planning.	Version 1.8 Last updated 05 Jul 2016	Database Last schedule update: 29 Jan 2017 Number of active carriers: 802 Number of active airports: 3,495
Traffic Analyser	Analyse passenger traffic and average fares using MIDT data to understand where traffic originates, connects and ends, monitor competitor activity, benchmark and compare fares for different routes and analyse point of sale and point of origin.	Version 1.5 Last updated 05 Jul 2016	Database Latest Travel Month Prelim: 01 Mar 2016 Loaded on: 16 May 2016 Latest Travel Month Final: 01 Jan 2016 Loaded on: 19 Apr 2016 Latest Travel Month Unadjusted: 01 Mar 2017 Loaded on: 13 May 2016
Connection Analyser	Build real time connections using OAG schedules data and OAG MCT exception tables. Connections Analyser includes analysis with customisable MCTs, phantom flight option and fully customisable QSI.	Version 1.5 Last updated 27 Jan 2016	Database Last updated 29 Jan 2017 Number of active carriers: 802 Number of active airports: 3,495
Mapper	Visualise airline and airport networks with the option to customise the map, build and envision a new network and view competitor networks and activity.		
DOT Analyser	DOT Analyser allows easy and convenient access to US Department of Transport (DOT) statistics including T100, DB1B and Form 41. This gives comprehensive insights into US aviation data.	Version Last updated	Database T100 Powertable 10 Sep 2016 DB1B Powertable 02 Jun 2014 Form 41 Powertable 18 Jul 2016

Each product you have access to is listed along the top right, and also in middle of the screen. Your account number is located at the top left of the screen, where it says welcome, and you need just one account and login to access all of the OAG Analyser products you subscribe to.

To open Schedules Analyser, the module covered in this user guide, click on either the module name at the top of the screen, or located to the right of the plane logo icon in the centre of the screen.

On logging into Schedules Analyser, you will see this screen which is the landing page:

[Modules](#) | [My OAG](#) | [Reference](#) | [User Guide](#) | [Your Account](#)

 **OAG**schedules

### Available Reports

**Capacity Report**  
View important schedules information across different dimensions

**Bank Structure Report**  
Analyse flows of flights in and out of a hub airport within a 24 hour period

**Schedule Changes Report**  
Compare schedule changes between two time periods

**Power Table Report**  
Dynamic table to create a fully customised report

**Top X Report**  
View top carriers, top airports, top aircraft types etc. based on various metrics

### Job Bin

Currently no reports in Job Bin

### Saved Reports

Currently no Saved Reports

### Scheduled Reports

Currently no Scheduled Reports

In the central area you will see the 5 reports available in Schedules Analyser and below is the Job bin which stores reports once you've run them. Below that you can view any Saved and Scheduled Reports.

Along the top of the screen there are some additional functions. Firstly, there are quick access links to each of the modules you have access to as part of your licence.

Next is the My OAG section which covers how to save reports, run scheduled reports at a certain time, and to customise groups of information to make running reports with similar queries easier.

The functions in this section, and the reference section next to it, are covered in more detail later in this guide. The User Guide option takes you through OAG's help pages which include this guide, some FAQ's, a glossary and some videos to guide you through how to use each report.

In this user guide we will now take you through each of the reports in turn and how to use them.

You do not need to run through them in sequence – in fact it may be useful to jump ahead to the My OAG section.

### 3 REPORTS

There are 5 reports available in Schedules Analyser and these are listed in the table below along with a short summary of what you would use each report for. We describe how they work here and cover how to run each report in this guide. You can also access short video guides from our user guide that replicate the content provided here and provide worked examples for each report. From the home screen you can click on any one of the report names and this takes you straight to the report query page.

Report Types	What can I use it for?
<b>Capacity Report</b>	Allows you to extract actual schedule data by a range of parameters
<b>Bank Structure Report</b>	Allows you to analyse capacity at a hub airport
<b>Schedule Changes Report</b>	Allows you to check schedule changes between two time periods, or compare two periods of time
<b>Power Table</b>	Allows you to fully customise a report from scratch
<b>Top X Report</b>	Allows you to create a report for various categories such as carriers, departure or arrival airport, equipment (aircraft) by a range of measures including ASKs, ASMs, Seats and Frequency

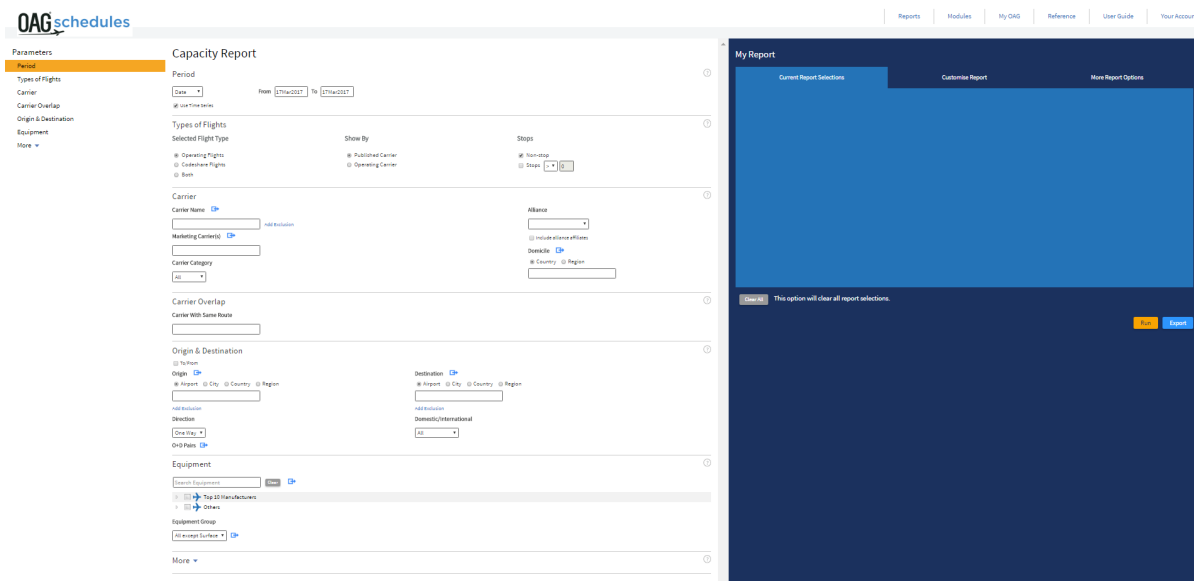
Much of what is covered in the Schedules Capacity Report section can be applied to the other reports.

#### 3.1 SCHEDULES CAPACITY REPORT

This report contains data on airline schedules – e.g. day of operation, departure and arrival times, type of equipment (aircraft), number of seats. Like most reports in Schedules Analyser, it has several options to tailor the data request to what you need, but not every box needs to be filled in every time. Often you may only need to fill in a few of the options, so it's worth spending a bit of time familiarising yourself with the query screen.

To get to the query screen, simply click on **Capacity Report**. A new screen like the one below will appear:



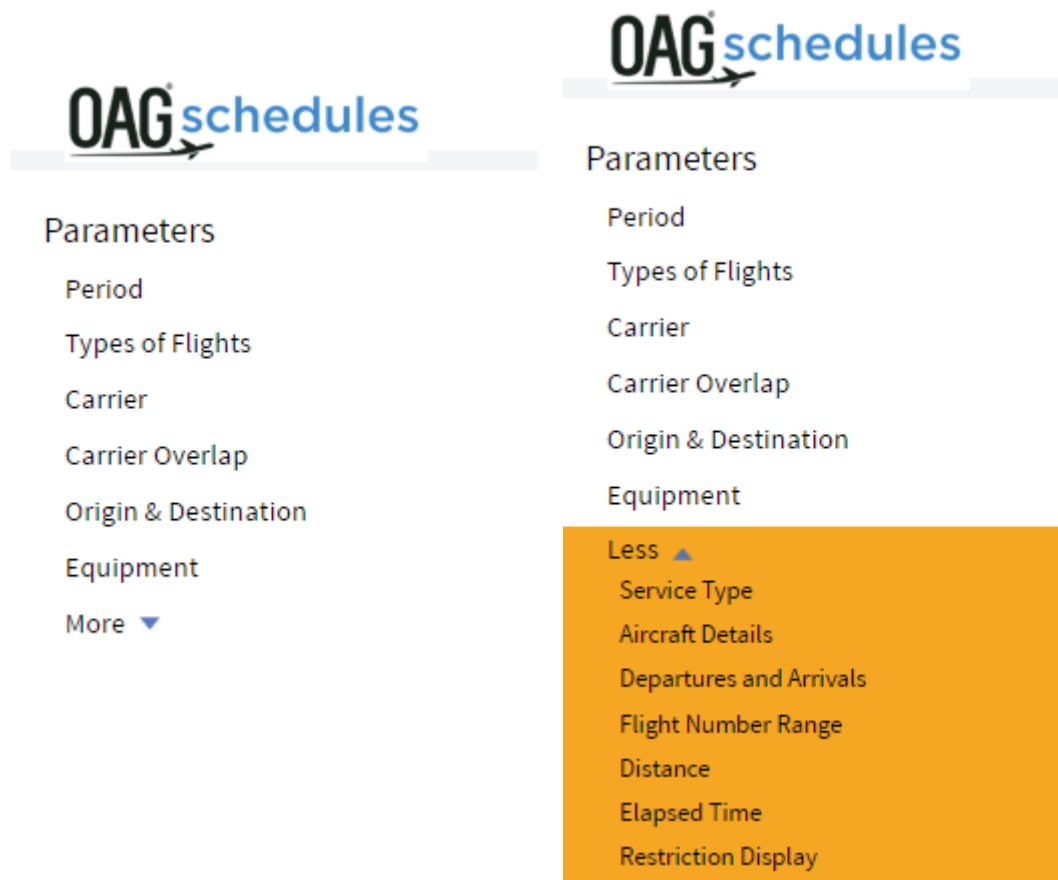


There are three main areas. On the left are the Parameter groups so you can quickly navigate to the fields you want, in the central area are all the fields you need to select the parameters you want to use to define your report, and to the right is where you customise the look of the report.

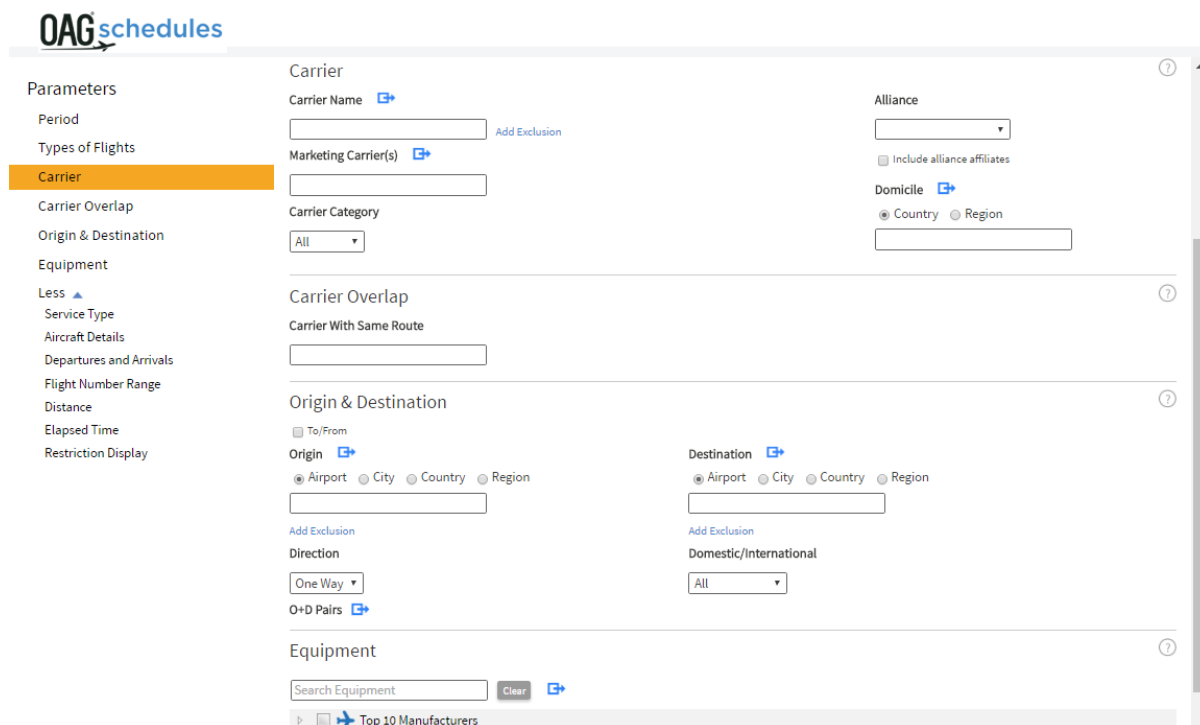
We'll take a look now at each of these areas.

### 3.1.1 Parameters

On the left, there are 6 parameters displayed and 7 more which open up if you click on **more** at the bottom of the list:



As you click on each parameter it moves the central screen to that area. In the image below we clicked on **carrier** and you can see carrier has moved to the top of the screen.



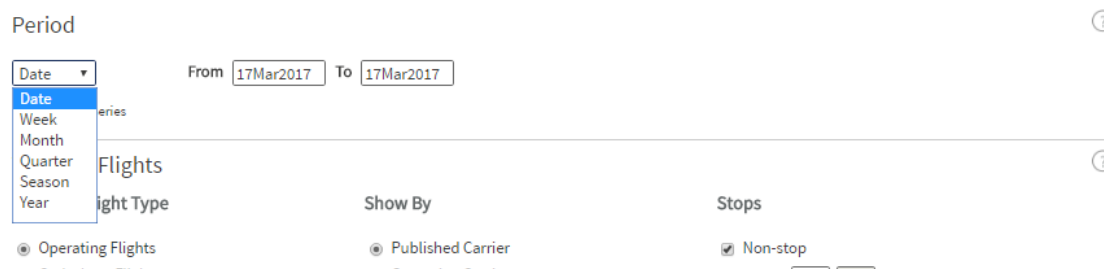
The screenshot shows the OAG Schedules Analyser interface with the following sections:

- Parameters:**
  - Period
  - Types of Flights
  - Carrier** (highlighted)
  - Carrier Overlap
  - Origin & Destination
  - Equipment
  - Less
  - Service Type
  - Aircraft Details
  - Departures and Arrivals
  - Flight Number Range
  - Distance
  - Elapsed Time
  - Restriction Display
- Carrier:**
  - Carrier Name: [Text Box] [Add Exclusion](#)
  - Marketing Carrier(s): [Text Box]
  - Carrier Category: [Dropdown: All]
  - Alliance: [Dropdown]
  - ☐ Include alliance affiliates
  - Domicile: [+](#)
    - ☒ Country
    - ☐ Region
- Carrier Overlap:**
  - Carrier With Same Route: [Text Box]
- Origin & Destination:**
  - ☐ To/From
  - Origin: [+](#)
    - ☒ Airport
    - ☐ City
    - ☐ Country
    - ☐ Region
  - Destination: [+](#)
    - ☒ Airport
    - ☐ City
    - ☐ Country
    - ☐ Region
  - [Add Exclusion](#)
  - Direction: [Dropdown: One Way]
  - O+D Pairs: [+](#)
  - Domestic/International: [Dropdown: All]
- Equipment:**
  - Search Equipment: [Text Box] [Clear](#) [+](#)
  - ☐ [Top 10 Manufacturers](#)

## 1. Period

We'll look firstly at **Period**. As you can see from the dropdown list below, there are several time period options that can be selected. These are date (day), week, month, quarter, season and year. The default is the current date.

### Capacity Report



The screenshot shows the Capacity Report interface with the following elements:

- Period:** [Dropdown: Date] [?](#)
- From:** [Text Box: 17Mar2017] **To:** [Text Box: 17Mar2017]
- Time Series:** ☒ [?](#)
- Flights:** [?](#)
- Flight Type:**
  - ☒ Operating Flights
  - ☐ Canceled Flights
- Show By:**
  - ☒ Published Carrier
  - ☐ Operating Carrier
- Stops:**
  - ☒ Non-stop
  - ☐ [Other Option]

Beneath the drop down box there is a box called Time Series. The report assumes you want the data presented as a time series so the default is checked. If you want to see the data for a period of time as a total uncheck this box.

Data in Schedules Analyser is available back to 1996 - (if your subscription includes that) and until the end of the following year. The schedule data for time periods in the future is more accurate the closer it is but, inevitably, the further away it is the more likely it is to not include some schedules as airlines will not have filed them, or they will be subject to change.

This report can return a lot of data, so try not to select a longer time period than you really need.

## 2. Type of Flights

The next group of parameters relate to the Type of Flights. As you can see, operating flights, published carriers and non-stop flights are the default options here, but you can change these if you want. You may not need to change these but if you are interested in code-sharing arrangements between airlines you may want to click on 'both' so you can see both the flights which the carrier operates and those that it doesn't operate, but still sells.

Types of Flights ?

Selected Flight Type	Show By	Stops
<input checked="" type="radio"/> Operating Flights <input type="radio"/> Codeshare Flights <input type="radio"/> Both	<input checked="" type="radio"/> Published Carrier <input type="radio"/> Operating Carrier	<input checked="" type="checkbox"/> Non-stop <input type="checkbox"/> Stops > 0

## 3. Carrier

Then in the **Carrier** section, you have two options. If you leave this blank, data for all carriers will be included. Otherwise, you need to specify which carriers, or carrier groups, you want to view data for. There are two ways

Carrier ?

Carrier Name   
 [Add Exclusion](#)

Marketing Carrier(s)

Carrier Category  
All ▼

Carrier   
 [Add Exclusion](#)

☐ Include alliance affiliates

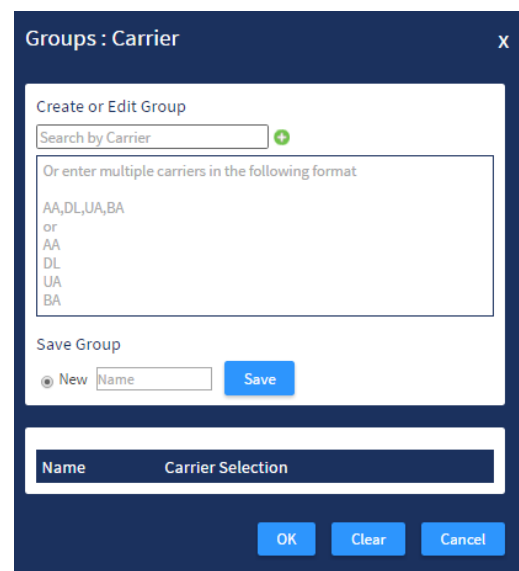
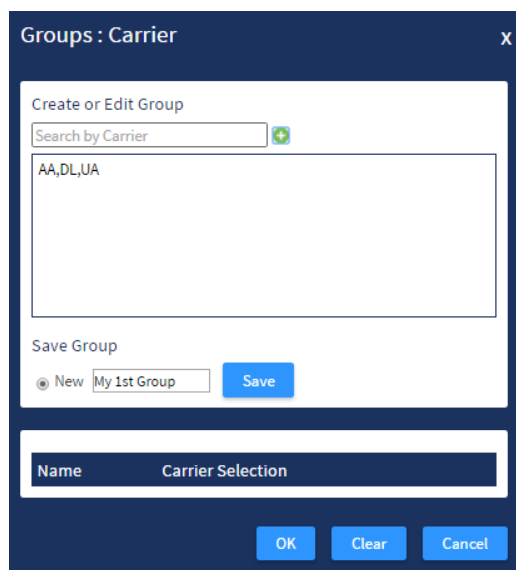
Domicile   
☒ Country ☐ Region

Carrier Overlap ?

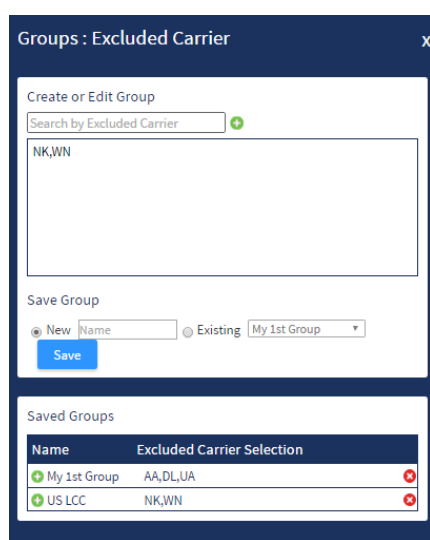
Carrier With Same Route

of inputting carrier names – either by 2 letter code separated by a comma i.e. AA, BA, WN, etc., or by typing in the carrier’s name which will produce a drop down list to select from.

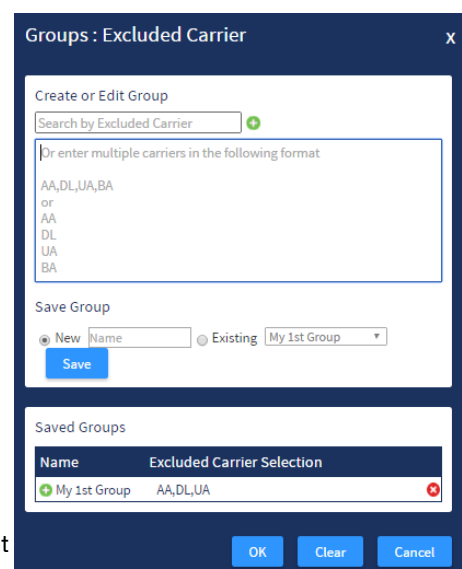
You can add as many airline names or codes as you like, as long as they are separated by a comma. If you want to save group of carriers to make future queries faster, you can do so. You do this by clicking on blue arrow logo at the end of the field. This opens up a new box as pictured below. You enter the carrier, or carriers you want and then you have the option to either save your selection (so you can revisit it in future) or simply enter the details and run your query. We’ll run through the steps to save the query here.

Firstly, type in a name for your group – we’ve called it ‘My 1<sup>st</sup> group’. Then, add the carriers you want to include by typing in the two letter code, or name in the airline field. Click the **green + symbol** to add them to the list. Once you have added all the required carriers, click on **Save** to keep the selection. Then click on **OK** which returns you to the query page with the carriers you’ve selected added to the required field.



You can also exclude a particular carrier, or group of carriers. Click on **Add Exclusion**






below the carrier box and, as before, select a single carrier in the exclude field by using their two letter code, or name, or select multiple entries. You'll see here on the left that we've created an US LCC Group which then appears in our Saved Groups list.


You can also select **Marketing Carrier(s)** in the same way. There is also a **Carrier Category** option below Marketing Carrier with three options to choose from a drop down list: All, Low-cost, or Mainline. The default is All.

in carrier options, you also have the ability to select a specific airline **Alliance** from a drop down list. Alliance affiliates can also be included by clicking on the **Include alliance affiliates** box.

Carrier

Carrier Name 

Excluded Carrier Name  


Marketing Carrier(s) 

Carrier Category
  

All ▼

Alliance
  

▼

  
☐ Include alliance affiliates
  
Domicile 
  
☒ Country ☐ Region

The last option in the Carrier section is **Domicile**. You can select a Domicile Country, or group of countries or region(s) where an airline is based. As with the other options you can save a selection if you need to.

#### 4. Carrier Overlap

The next field is **Carrier Overlap**. There are two ways to use this function. If you use it on its own, without entering a carrier in the field above, the report you generate will show all carriers which operate the same routes.

Alternatively you can select one or more carriers in the carrier field above, and then, when you add another carrier name in the carrier overlap field, the report will give you all the routes which are operated by both this carrier and the second one.

#### Carrier Overlap

Carrier With Same Route

## 5. Origin & Destination

The next section covers routing. As before, if you leave the **Origin and Destination** fields blank, data for all origins and destinations will be included.

### Origin & Destination

☐ To/From

Origin

☒ Airport
☐ City
☐ Country
☐ Region

Add Exclusion

Direction

One Way

O+D Pairs

Destination

☒ Airport
☐ City
☐ Country
☐ Region

Add Exclusion

Domestic/International

All

When you select an origin and a destination you are choosing to look at all airline capacity from the origin to the destination. If you want to extract capacity data for both directions, then click on the **Direction** box, which will allow you to select two-way data. The default is one-way.

Sometimes you might just want to look at all capacity to and from one specific airport, city, country or region. Clicking on **To/From** allows you to do this and you can look at everything from an origin point. You can also exclude airports, cities, countries or regions from your queries just by clicking on **add exclusion** under either Origin or Destination and adding one or multiple entries. Again there is the option to save a group here.

At the bottom of the query screen on the left, there is an option to choose specific **O&D Pairs**. When you click on it, it opens up the following box:

You can use this box to enter specific O&D Pairs, or you can use the **bulk origin destination** pairs field which lets you paste in a selection of origin and destination codes from another source.

O&D Pairs

X

Origin	Destination
Origin Airport	Destination Airport <span>✖</span>
Origin Airport	Destination Airport <span>✖</span>
Origin Airport	Destination Airport <span>✖</span>
Origin Airport	Destination Airport <span>✖</span>

Add More O&D Pairs

Bulk selection

Please enter O&Ds with a comma or space between  
Example  
AMS,ABZ  
AMS,ACE  
or  
AMS ABZ  
AMS ACE  
With one pair per line.

OK

Cancel

## 6. Equipment

The **equipment** field allows you to select a specific aircraft type, or range of types, and as before

### Equipment

Search for 'a320' in the Equipment field. The results show a list of aircraft variants under the 'Top 10 Manufacturers' category, including Airbus Industrie, Airbus A320 (Freighter), Airbus A320 (Freighter) (32F), Airbus A318/319/320/321, Airbus A320 (320), and Airbus A320 (Sharklets) (32A).

save a pre-determined list of aircraft types. As you enter the aircraft type – in this case we've typed in A320 – a list of options of the different aircraft variants is displayed. You can then click on the ones you want which will then add this to the query.

You can also select the **Top**

**10 Manufacturers** which adds all aircraft types associated with these manufacturers. You can then remove any you don't need. Leaving the equipment field blank returns data for all aircraft types. The [online Glossary](#) provides a comprehensive list of the different Equipment Groups (Aircraft categories).

A list of the Top 10 Manufacturers: Airbus Industrie, Avions de Transports Regional, Avro International Aerospace, Boeing, Canadair, De Havilland Canada, Embraer, Fokker, McDonnell Douglas, and Saab. Each manufacturer has a checkbox and a plus icon to expand the list.

### Equipment

Search for 'Widebody' in the Equipment field. The results show a list of equipment groups under the 'Top 10 Manufacturers' category, including All except Surface, Jet Aircraft, Regional Jet, Piston, Narrowbody, Widebody, Turboprop, Helicopter, Amphibious, and Surface.



Below the equipment field is an **equipment group** option. This lets you summarise aircraft type in a different way – by type of aircraft. There are several options including Regional Jets, Narrowbody and Widebody equipment groups. Only one of these can be selected using the dropdown list but if you click on the arrow you can customise a group and add more than one group.

## 7. Service Type



Clicking on the **More** field below Equipment opens up an additional list of parameters to allow you to further refine the data in the report you are extracting. There are an additional seven fields and we will cover these briefly in turn.

Carrier
Carrier Overlap
Origin & Destination
Equipment

Less ▲
Service Type
Aircraft Details
Departures and Arrivals
Flight Number Range
Distance
Elapsed Time
Restriction Display

Less ▼
Service Type

Passenger ▼

---

Aircraft Details

Cabin Type

All ▼

Seats

0 to 0

---

Departures and Arrivals

Departure Time

hhmm to hhmm

☐ Exclude Time Range

Arrival Time

hhmm to hhmm

☐ Exclude Time Range

---

Flight Number Range

0 to 0

---

Distance

0 to 0

Kilometers ▼

---

Elapsed Time

hhmm to hhmm

---

Restriction Display

All ▼

You can also choose different **Service Types** which lets you restrict your query to passenger operations (the default) or cargo operations, or both. There are two fields in **Aircraft Details**; **Cabin type** with 4 sub-options – All (default), First, Business or Economy; and **Seats** where you can select only operations with a certain number of seats.

Under **Departures and Arrivals** you can restrict the data returned to those operations between certain departure and arrival times, or exclude specific time ranges – for example you may want to

look at night time flights at a particular location so it can be helpful to do this in the query rather than having to carry out further analysis on the data once extracted.

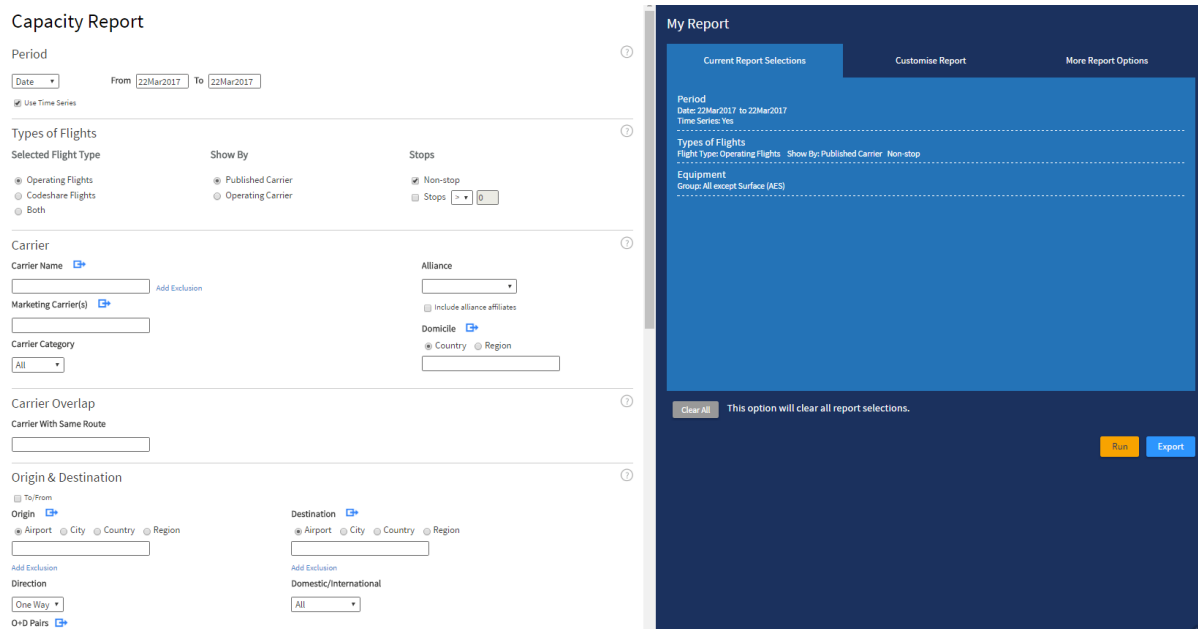
You can also include a **Flight number range**; **Distance** in kilometres, miles or nautical miles; and **Elapsed time** – again useful if you wanted to consider journeys of a particular length only.

As before, if these fields - where there isn't a default or drop down list to choose from - are left blank, the data extracted will cover all times and flight numbers for example.

Lastly in this section, the display can be restricted to published or unpublished data. The default is all.

### 3.1.2 Report Outputs

As you define your report by selecting Parameters on the left hand side of the screen they appear in the **Current Report Selections** tab on the right hand (blue) side. The capacity report is a standard one so there are a number of pre-set data fields which are included.



The screenshot displays the OAG Schedules Analyser interface. On the left, the 'Capacity Report' configuration panel is visible, showing various filters and options. On the right, the 'My Report' summary panel is shown, displaying the selected parameters for the report.

**Capacity Report Configuration:**

- Period:** Date (22Mar2017) To (22Mar2017). Use Time Series: ☒
- Types of Flights:** Selected Flight Type: ☒ Operating Flights, ☐ Codeshare Flights, ☐ Both. Show By: ☒ Published Carrier, ☐ Operating Carrier. Stops: ☒ Non-stop, ☐ Stops (0).
- Carrier:** Carrier Name (Add Exclusion), Marketing Carrier(s) (Add Exclusion), Carrier Category (All), Alliance (dropdown), Include alliance affiliates (checkbox), Domicile (Country/Region dropdown).
- Carrier Overlap:** Carrier With Same Route (dropdown).
- Origin & Destination:** Origin (Airport/City/Country/Region dropdown), Destination (Airport/City/Country/Region dropdown), Add Exclusion, Direction (One Way dropdown), O+D Pairs (Add Exclusion).

**My Report Summary:**

- Current Report Selections:** Period: 22Mar2017 to 22Mar2017. Time Series: Yes. Types of Flights: Flight Type: Operating Flights, Show By: Published Carrier, Non-stop. Equipment: Group: All except Surface (AES).
- Clear All:** This option will clear all report selections.
- Run/Export:** Buttons to execute the report.

You can remove some of these if you don't need them by opening the next tab, **Customise Report** and unchecking the fields you don't need.

My Report

Current Report Selections

Customise Report

More Report Options

Customise Output

Note: removing columns in report output will result in some data aggregation.

☐ Select All

☒ Published Carrier

☐ Operating Carrier

☒ Flight Number

☒ Origin

☒ Destination

☒ Departure Time

☒ Arrival Time

☒ Operating Days

☒ Elapsed Time

☒ Distance

☒ Stops

☒ Equipment

☒ Frequency (  $\Sigma$  )

☒ Seats (  $\Sigma$  )

☐ Codeshare Flts

☐ Effective Dates

☐ Surface Transport

☐ Full Itinerary

Pub. Carrier	Flight	Org	Dest	Dep. Time	Arr Time	Op. Days	Elapsed Time	Distance (KM)	Stops	Equipment	Frequency	Seats
AA	1	LHR	JFK	10:10:00	13:15:00	123467	3:05:00	5546	0	Airbus 737	5	5
AA	1	LHR	JFK	10:10:00	13:15:00	123467	3:05:00	5546	0	Airbus 737	5	5

Example data to reflect column and data types

Graphing Options

☒ Show data in a graph

Type: ☒ Line ☐ Columns ☐ Pie

X Axis

Y Axis

Mapping Options

☒ Show map

Clear All

This option will clear all report selections.

Run

Export

As you can see there are several options to customise the output of the report and simply clicking on the tickbox in the field removes it, and clicking again in the field puts it back.

At the bottom of this tab there are some **Graphing** and **Mapping Options** and you can have these turned on or off in this area, again just by clicking on the arrow to uncheck the box. The default is to include these options. You can also customise what the graphing option does, by deciding which

data you want to have on the x and y axis and whether you want to see the data as a line graph, column or pie chart.

The last tab, **More Report Options**, allows you to change the units for data and switch between codes and labels for airlines and airports.

My Report

Current Report Selections

Customise Report

More Report Options

More Report Options

Distance

☒ Kilometers (km)
 ☐ Nautical Miles (NM)
 ☐ Miles (m)

Elapsed Time

☒ hh:mm (hh:mm)
 ☐ dec (hh:mm)
 ☐ minutes (mmm)

Payload

☒ Kilograms (kg)
 ☐ Pounds (lb)

Labels or Codes

☒ Show codes
 ☐ Show labels

Clear All

This option will clear all report selections.

Run

Export

At the bottom of the query screen (this is there whichever tab you have open) you have the option to Run the query or Export it. Running the report means the data appears on your screen, and if

Showing 1 - 8 Of 8 Results

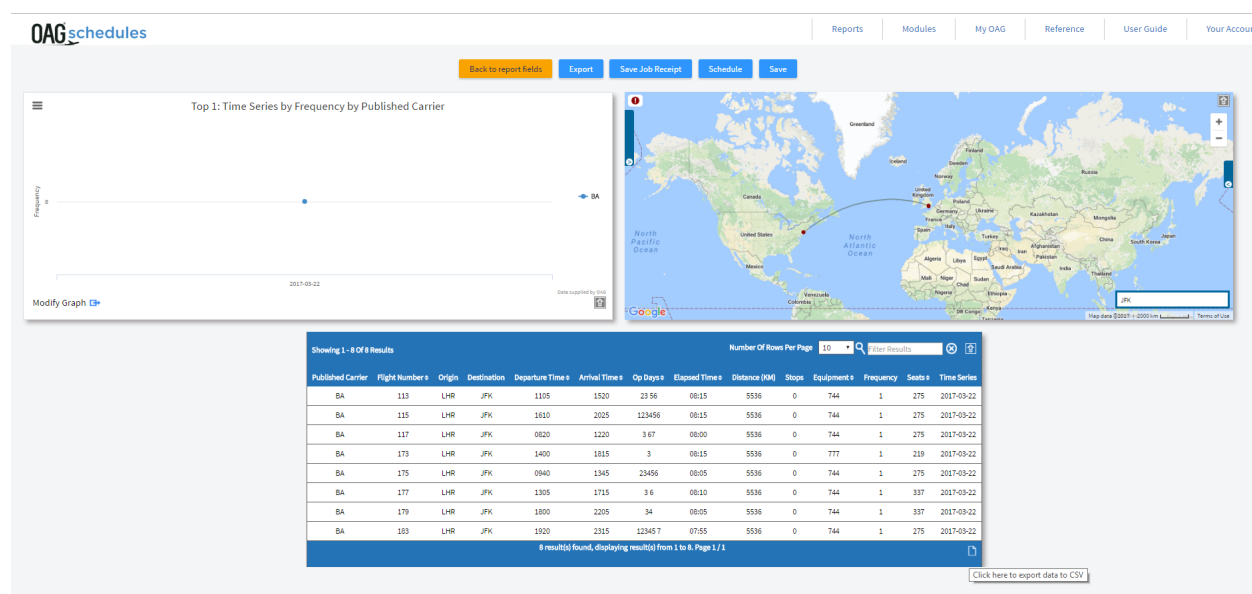
Number Of Rows Per Page 10 Filter Results

Published Carrier	Flight Number	Origin	Destination	Departure Time	Arrival Time	Op Days	Elapsed Time	Distance (KM)	Stops	Equipment	Frequency	Seats	Time Series
BA	113	LHR	JFK	1105	1520	23 56	08:15	5536	0	744	1	275	2017-03-22
BA	115	LHR	JFK	1610	2025	123456	08:15	5536	0	744	1	275	2017-03-22
BA	117	LHR	JFK	0820	1220	3 67	08:00	5536	0	744	1	275	2017-03-22
BA	173	LHR	JFK	1400	1815	3	08:15	5536	0	777	1	219	2017-03-22
BA	175	LHR	JFK	0940	1345	23456	08:05	5536	0	744	1	275	2017-03-22
BA	177	LHR	JFK	1305	1715	3 6	08:10	5536	0	744	1	337	2017-03-22
BA	179	LHR	JFK	1800	2205	34	08:05	5536	0	744	1	337	2017-03-22
BA	183	LHR	JFK	1920	2315	12345 7	07:55	5536	0	744	1	275	2017-03-22

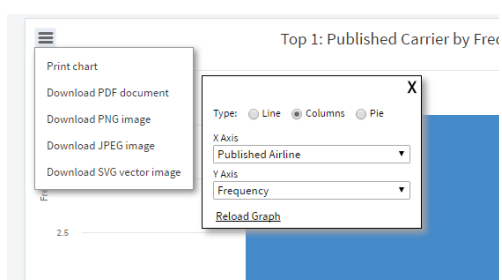
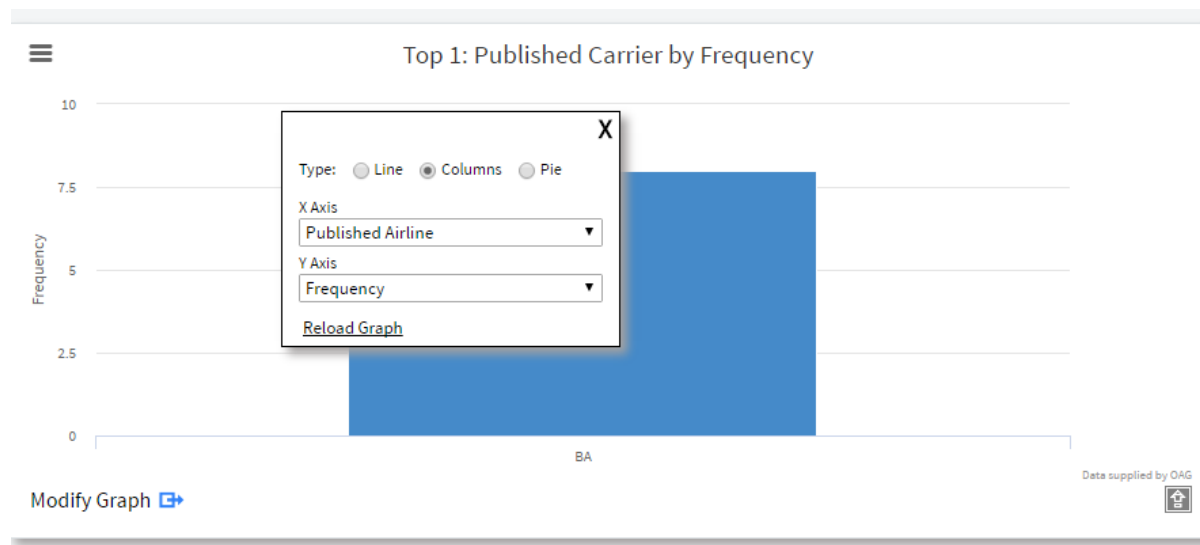
8 result(s) found, displaying result(s) from 1 to 8. Page 1 / 1

there are less than 1,000 rows, you have the option to click on the page icon at the bottom of the table and export as a CSV file. If the report is larger than 1,000 rows, you will have to export it and retrieve it

from the job bin. You'll see from the example below that once you click run, the results are displayed in the format below. Each of the three areas has an arrow on the right, either in the top right hand corner (map) or the bottom right hand corner (chart, table).

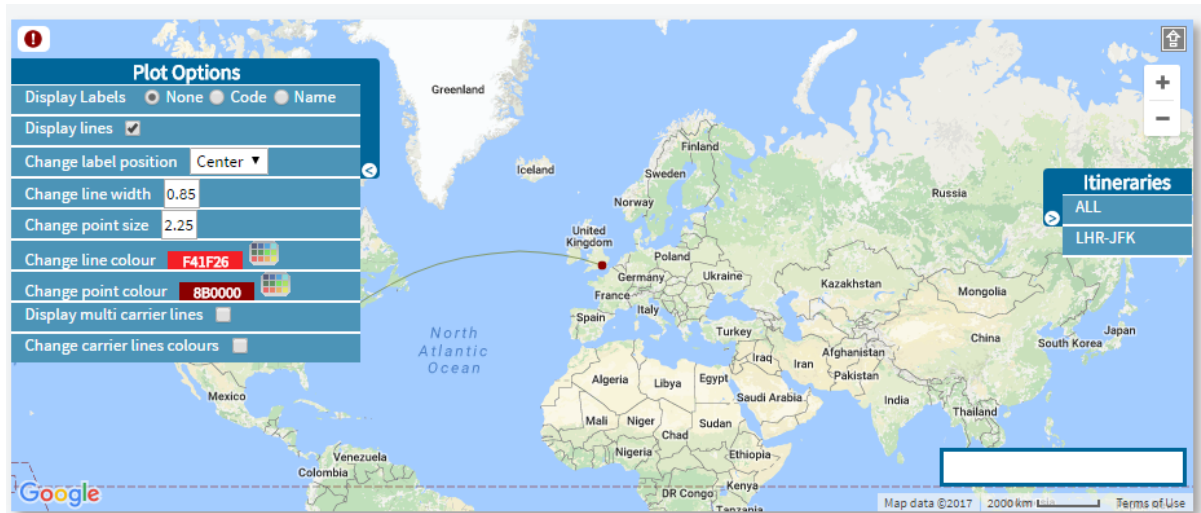


Clicking on this arrow expands that output to fill the page. You can further refine the data even at this stage.



Clicking on **Modify Graph** allows you to amend the outputs in the graph, and at the top of the graph there are 4 small lines which if you click on them, open up the export options for the graph. You can send straight to print or download in several different formats including PDF, PNG, JPEG or SVG vector image.

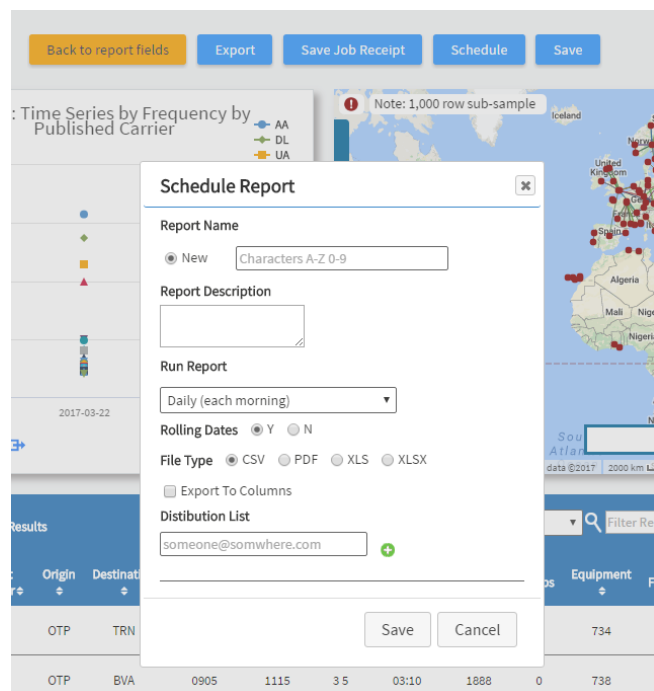
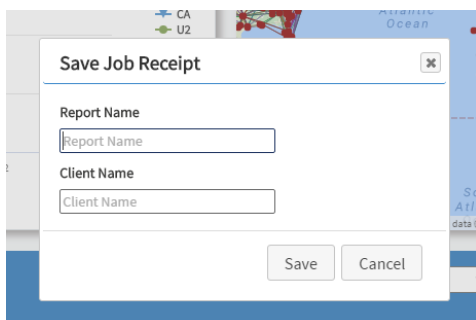
On the map, clicking on the blue tabs on either side of the map opens up **Plot Options** on the left where you can amend the location and format of labels and lines, and change the colour of the lines – for example if your query includes several carriers this can be very useful. You can also zoom in and out on the map using the + and – symbols on the top right hand side and re-center it by clicking and dragging the map to where you want it to be centered.



The map does not automatically export, but you can save it as a screenshot using external tools.

### 3.1.3 Saving Reports & Scheduling

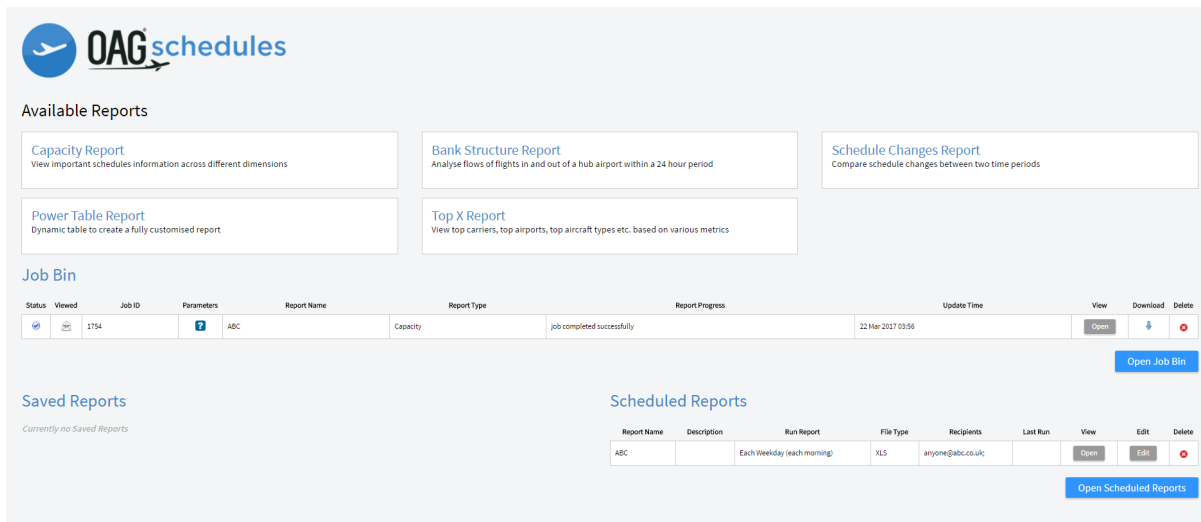
Reports can also be run regularly and emailed directly to yourself, customers or colleagues by selecting the **Schedule** option at the top of the report output page. You can give the report a name and select the frequency you want and the output format. Finally, enter the required email address(es) in the field below email address, click on the **plus sign** to add them



to the box below and click on **save**.

You can also save a job receipt by giving a report a name and client name, selecting **Save Job Receipt** from the top.

The scheduled report now appears in the OAG Schedules Analyser home page under **Scheduled Reports**. You can see the Report Name, Frequency, File Type and Recipients, and when it was last run. You can open it from here, or edit any of the fields by clicking on edit.

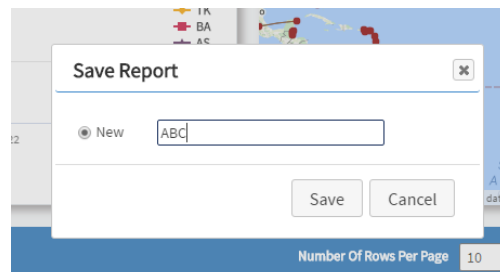


The screenshot shows the OAG Schedules Analyser home page. At the top, there's a header with the OAG Schedules logo. Below it, a section titled 'Available Reports' displays five report cards: Capacity Report, Bank Structure Report, Schedule Changes Report, Power Table Report, and Top X Report. Each card has a brief description. Below this is a 'Job Bin' section with a table showing a single job. At the bottom, there are two sections: 'Saved Reports' (currently empty) and 'Scheduled Reports' (containing one report named 'ABC' with details on its frequency, file type, and recipients). Buttons for 'Open Job Bin' and 'Open Scheduled Reports' are visible.

Status	Viewed	Job ID	Parameters	Report Name	Report Type	Report Progress	Update Time	View	Download	Delete
		1754		ABC	Capacity	job completed successfully	22 Mar 2017 09:56			

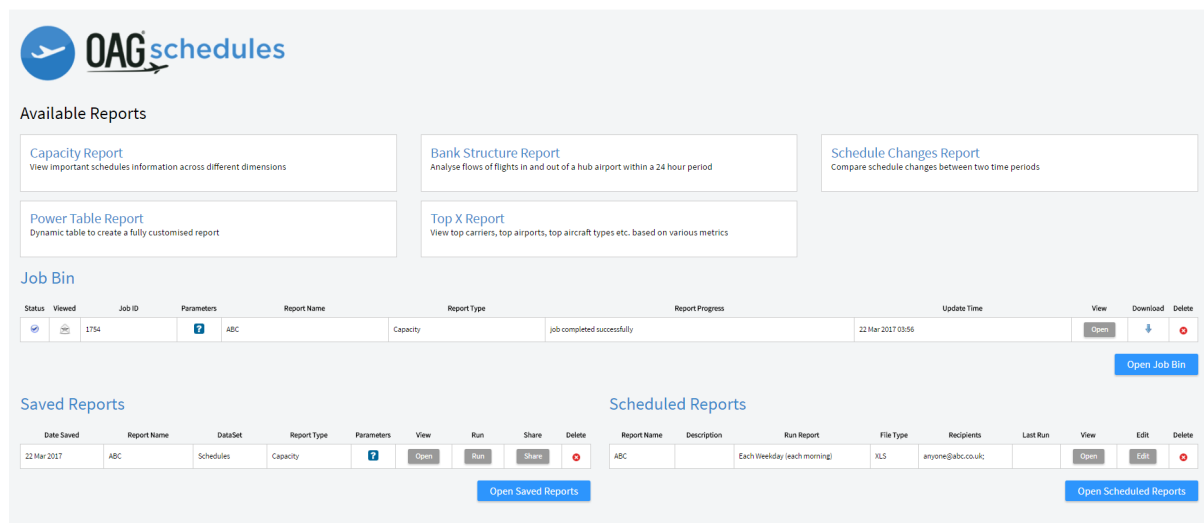
Report Name	Description	Run Report	File Type	Recipients	Last Run	View	Edit	Delete
ABC		Each Weekday (each morning)	XLS	anyone@abc.co.uk				

Lastly you can save the report by clicking on **Save** at the top of the report output screen and the following box opens up. Give the report a name and then click **Save**. When you return to the home page you'll see the saved report now appears under **Saved Reports**. You can then open, run or share the report from there.



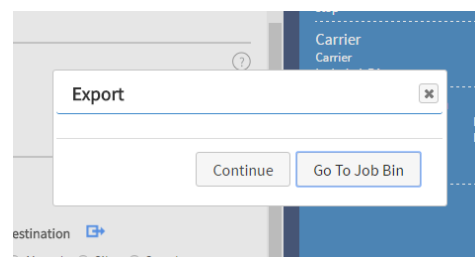
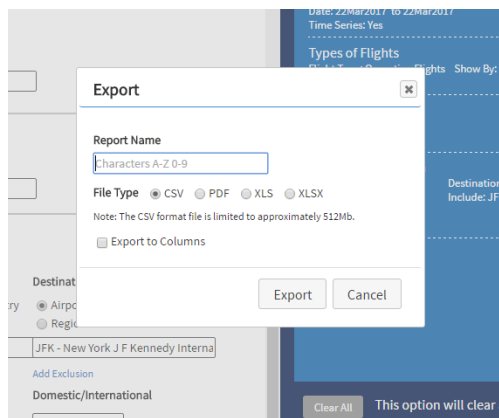
The screenshot shows a 'Save Report' dialog box. It has a 'New' radio button selected and a text input field containing 'ABC'. There are 'Save' and 'Cancel' buttons at the bottom. The dialog is overlaid on a background showing a map and flight data.









### 3.1.4 Exporting

Once you've run the report, you can download it in a range of ways. Click on **Export** and an export box opens. Give your report a name and then select the file type – you can choose from a range of options including CSV, PDF and XLS. If you know that you will always want to export in a particular format, you can save it as a default in the User Preferences section (we cover how to do this later in this guide). Once you've given your report a name and selected the file type, click on **Export**. This box then appears and you can choose to continue with another query, or go the job bin where the report will be processed.



Job Bin									
Number of rows per page 10 ▼									
Status	Viewed	Job ID	Parameters	Report Name	Report Type	Report Progress	Update Time	View	Delete
		1754		ABC	Capacity	job completed successfully	22 Mar 2017 03:56	Open	
1 - 1 Of 1 Results									

The job bin looks like this and can be accessed by clicking on **Go to Job Bin**, or from the home page in Schedules Analyser. Click on the arrow under download to download the report to your PC.


Modules

My OAG

Reference

User Guide

Your Account



OAG

schedules

Available Reports

Capacity Report

View important schedules information across different dimensions

Bank Structure Report

Analyse flows of flights in and out of a hub airport within a 24 hour period

Schedule Changes Report

Compare schedule changes between two time periods






Power Table Report

Dynamic table to create a fully customised report

Top X Report

View top carriers, top airports, top aircraft types etc. based on various metrics

Job Bin

Status	Viewed	Job ID	Parameters	Report Name	Report Type	Report Progress	Update Time	View	Download	Delete
		1754		ABC	Capacity	job completed successfully	22 Mar 2017 03:56	<div>Open</div>		

Open Job Bin

The envelope to the left of the ID number indicates whether the report has been opened or not. Reports will remain in your job bin for 4 days, then be deleted automatically. Clicking on the question mark below Parameters shows you at a glance the key report parameters.

#### EXPERT USER TIPS

*"The Schedules Capacity report is very detailed so it's helpful to run quite a specific report for what you need otherwise you will generate a LOT of data"*

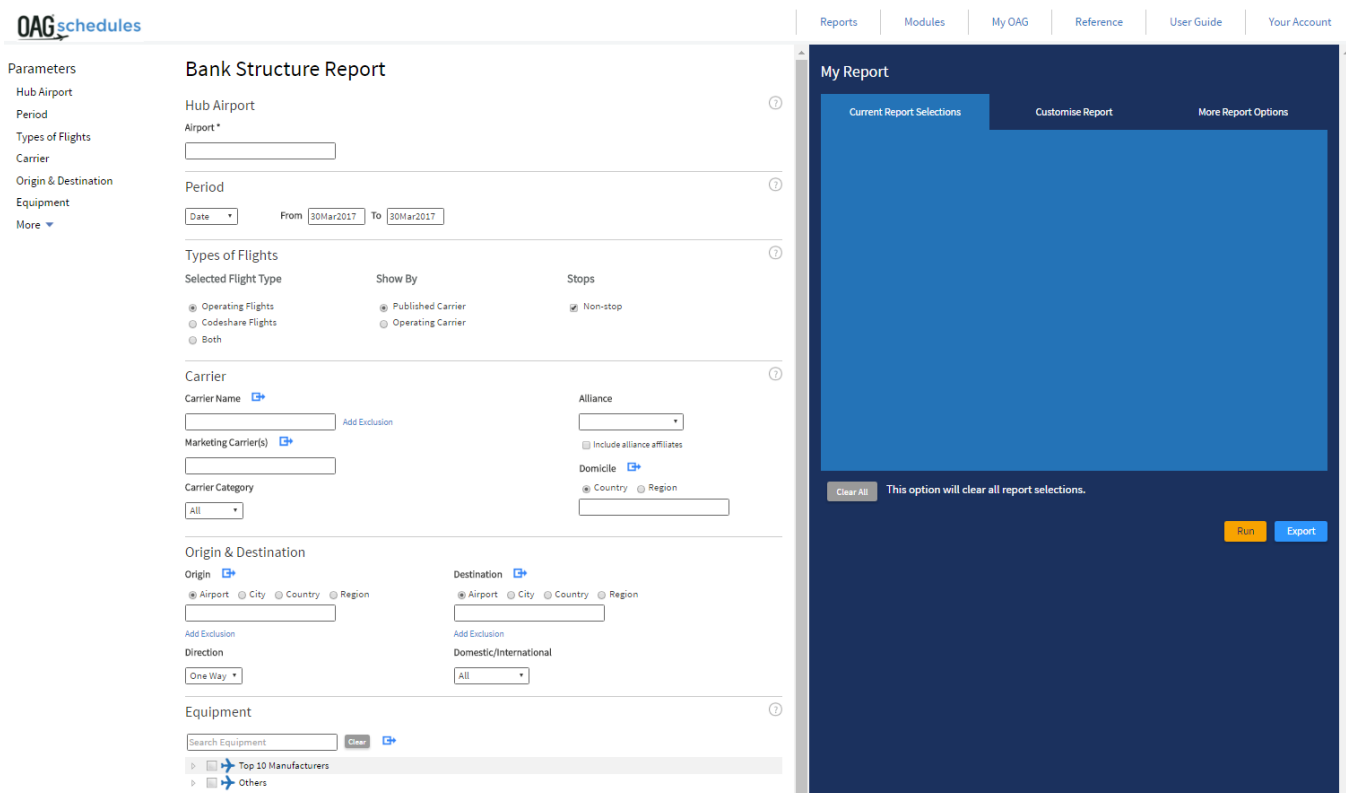
*"If you want to look at more than one period of time e.g. 5 years' worth of data – check the time-series box so that each year is shown separately – allowing you to make comparisons between each time period"*

The user guide link from Schedules Analyser for this report takes you to our website where there is a short video with a worked example of how to create a capacity report.

### 3.2 SCHEDULES BANK STRUCTURE REPORT

This report allows you to analyse schedules data at a hub airport. The parameters, query screen and report outputs are similar to the schedules capacity report. This may not be a report you often need to use but can be interesting to understand connecting waves at a hub. Firstly we'll take a look at the report query page and how to navigate around it.

As before, you can click through to the report from the Schedules Analyser homepage. Click on **Bank Structure Report** in the available reports section. A new screen like the one below will appear:



The screenshot displays the OAG Schedules Bank Structure Report interface. On the left, a sidebar lists parameters: Hub Airport, Period, Types of Flights, Carrier, Origin & Destination, Equipment, and More. The main area is titled 'Bank Structure Report' and contains several sections for filtering data:

- Hub Airport:** A text input field labeled 'Airport \*'.
- Period:** A date range selector with 'From' and 'To' fields, both set to '30Mar2017'.
- Types of Flights:** A section with 'Selected Flight Type' (Operating Flights, Codeshare Flights, Both), 'Show By' (Published Carrier, Operating Carrier), and 'Stops' (Non-stop).
- Carrier:** A section with 'Carrier Name' (with a search icon), 'Marketing Carrier(s)' (with a search icon), 'Carrier Category' (set to 'All'), 'Alliance' (dropdown), 'Include alliance affiliates' (checkbox), and 'Domicile' (Country, Region).
- Origin & Destination:** A section with 'Origin' (Airport, City, Country, Region) and 'Destination' (Airport, City, Country, Region), both with search icons. It also includes 'Direction' (One Way) and 'Domestic/International' (All).
- Equipment:** A section with a 'Search Equipment' field and a 'Clear' button.

On the right, a 'My Report' panel shows 'Current Report Selections', 'Customise Report', and 'More Report Options'. It includes a 'Clear All' button with the text 'This option will clear all report selections.' and 'Run' and 'Export' buttons.

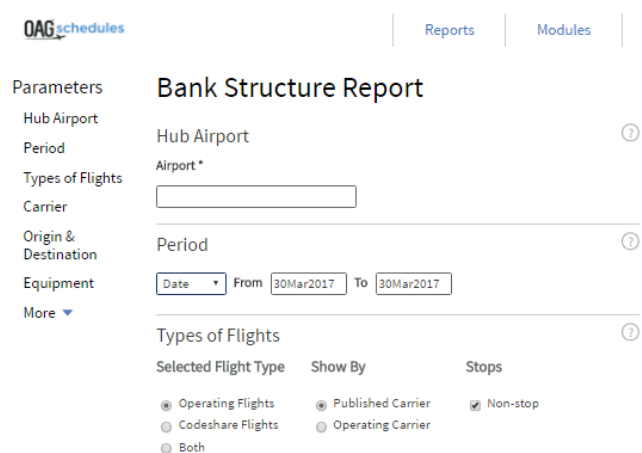
You can only look at capacity at one hub at a time and you have to enter an airport in the hub field for this report to work.

As before the report can be run with a variety of options including for all carriers, or a selection; by alliances, by specific origins and destinations (at different levels e.g. airport, city, country and region)

In the same way that we walked through how to run a Schedules Capacity report, we'll do the same here. Many of the fields are similar, so we will focus on those that differ from that report.

## 1. Choose a Hub Airport

Selecting the **hub airport** you want to review is the first step. You can either type in the airport code or name or choose from the drop-down list which appears after you begin to type the name or code. Remember, you can analyse only one hub at a time.



The screenshot shows the 'Bank Structure Report' interface. On the left, a 'Parameters' sidebar lists fields: Hub Airport, Period, Types of Flights, Carrier, Origin & Destination, Equipment, and More. The main area contains the following fields:

- Hub Airport:** A text input field with a search icon.
- Period:** A date range selector with 'Date' dropdown, 'From' (30Mar2017), and 'To' (30Mar2017) fields.
- Types of Flights:** A section with three columns: 'Selected Flight Type', 'Show By', and 'Stops'.
  - Selected Flight Type:** Radio buttons for 'Operating Flights' (selected), 'Codeshare Flights', and 'Both'.
  - Show By:** Radio buttons for 'Published Carrier' (selected) and 'Operating Carrier'.
  - Stops:** A checked checkbox for 'Non-stop'.

## 2. Carrier

As before, the **carrier** field can also be left blank or a single carrier or multiple selections made depending on what kind of analysis you want to undertake. All other selections work in the same way as if left blank, all data will be shown for the selected hub. You can also select what type of carrier you wish to see data for – all, low cost or mainline. There is no carrier overlap option in this report.



The screenshot shows the 'Carrier' selection interface. It includes the following fields:

- Carrier Name:** A text input field with a search icon and an 'Add Exclusion' link.
- Marketing Carrier(s):** A text input field with a search icon.
- Carrier Category:** A dropdown menu with 'All' selected.
- Alliance:** A dropdown menu.
- Include alliance affiliates:** A checkbox.
- Domicile:** A section with radio buttons for 'Country' (selected) and 'Region', followed by a text input field.

### 3. Origin & Destination

The report shows the inbound and outbound flows to and from the hub airport you select. Origin and/or destination can be selected in the same way as in the Schedules Capacity Report. Leaving the fields blank means **ALL** origins and destinations for your selected hub will be included in the report.

#### Origin & Destination

Origin 

☒ Airport ☐ City ☐ Country ☐ Region

[Add Exclusion](#)

Direction

One Way ▾

Destination 

☒ Airport ☐ City ☐ Country ☐ Region

[Add Exclusion](#)

Domestic/International

All ▾

### 4. Equipment


The **equipment** field allows you to select a specific aircraft type, or range of types, and as before save a pre-determined list of aircraft types. You might want to select just narrow body or widebody aircraft for the hub you are investigating which you can select from the Equipment Group dropdown.

#### Equipment

Search Equipment

Clear



☐  Top 10 Manufacturers

☐  Others

Equipment Group

All except Surface ▾



### 5. More

Clicking on the **More** field below Equipment opens up an additional list of parameters to allow you to further refine the data in the report you are extracting. There are an additional seven fields and the functionality of these is covered in the How to run a capacity report section.

Less
Service Type
Aircraft Details
Hub Departures and Arrivals
Flight Number Range
Distance
Elapsed Time
Restriction Display

Top 10 Manufacturers
Others

Equipment Group
All except Surface

Less

Service Type
Passenger

Aircraft Details

Cabin Type
All

Seats
0 to 0

Hub Departures and Arrivals

Hub Departure Time
hhmm to hhmm
Exclude Time Range

Hub Arrival Time
hhmm to hhmm
Exclude Time Range

Flight Number Range
0 to 0

Distance
0 to 0
Kilometers

Elapsed Time
hhmm to hhmm

Restriction Display
All

One thing to note is that Under **Hub Departures and Arrivals** you can restrict the data returned to those operations at the hub you are considering between certain departure and arrival times, or exclude specific time ranges – for example you may want to look at night time flights. The data returned here will only be for the hub that you have selected.

As before, if these fields - where there isn't a default or drop down list to choose from - are left blank, the data extracted will cover all times and flight numbers for example.

### 3.2.1 Report Outputs

In the Bank Structure report, the options under **Customise Report** are different to what you see in the Capacity report. There are some additional columns that can be added to the report, including Marketing Carrier, Effective Dates, and others.

My Report

Current Report Selections

Customise Report

More Report Options

Customise Output

Select additional columns for the report.

Select All

Marketing Carrier

Effective Dates

Full Itinerary

Elapsed Time

Payload

Airline	Flight No.	Origin	Op. Days	Equip	Service	Seats	Dep Time	Hub Time	Arr Time	Seats	Service	Equip	Op. Days	Arrival	Flight No.	Airline
AA	100	JFK	3	77W	J	310	18:25:00	06:20:00								
								06:20:00	08:35:00	143	J	319	24	CDG	1081	AF

Example data to reflect column and data types

Graphing Options

Show data in a graph

Type: Area Line Columns

X Axis: Hub Hour

Y Axis: Frequency

Mapping Options

Show map

Clear All

This option will clear all report selections.

Run

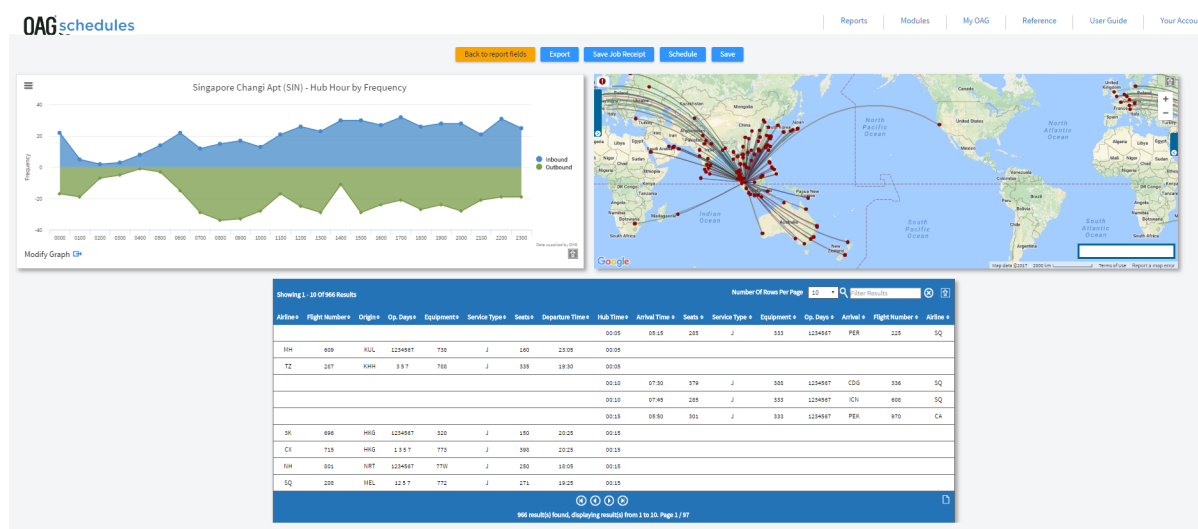
Export

In addition to returning the data in a tabular format, this data from this report is also plotted automatically onto a **graph and a map** which like the Capacity Report, are additional features of the Schedules Bank Structure Report. At the bottom of the Customise Report option you can have these

turned on or off (the default is to include them) and customise what data is displayed on which axes of the graph.

Hub arrivals and departures can be displayed as an area graph, line graph or as columns. The default is an area graph. The last tab, **More Report Options**, allows you to change the units for data and switch between codes and labels for airlines and airports.

Clicking on **Run** produces the following outputs which can be customised in the same way as described in the How to run a capacity report section. As before, you can amend the outputs in this field by either clicking on the return to report fields tab, or by opening up the edit options in the output page itself. Clicking on the arrow in any of the three outputs maximises that to the full screen and clicking on the arrow again returns to the three part display.



The user guide link from Schedules Analyser for this report takes you to our website where there is a short video with a worked example of how to create a bank structure report.



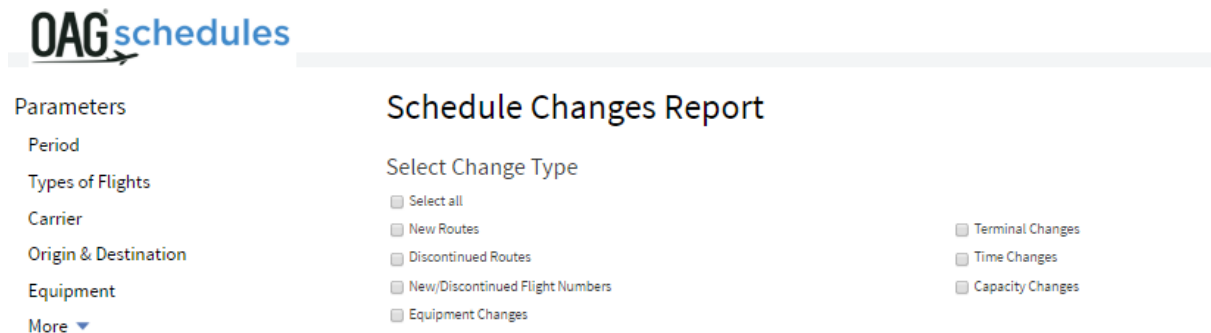
### 3.3 SCHEDULES CHANGES REPORT

This report allows you to identify what changes, if any, have occurred to schedules when comparing different time periods. There are several categories that can be checked and we outline these below. As with the other Schedules Analyser reports, you can gather a lot of data with very little input, however refining your query means that you can be very precise about exactly what data you need.

Many of the fields in this report are exactly the same as the other Schedules Analyser reports, so in this case we'll focus on the ones that are different. The main differences are the Select Change Type field, and the Period field.

#### 1. Key changes field

You can either select all changes, or just one, or a combination of options. There are 8 fields which



we outline below:

Category	What it can be used for
Select All	Allows you to select all the changes below
New routes	Allows you to view new flights between a range of dates i.e. by comparing August 2017 with August 2016. If the report shows no information it means there were no changes between these times.
Discontinued Routes	Allows you to view all discontinued flights between two periods of time.
New/ Discontinued	You can view new and discontinued flight numbers for new flights within a

Flight Numbers	selected time range.
Equipment Changes	Allows you to identify fleet changes. If you select a single carrier, the report will show any changes in fleet for that carrier. If you select more than one carrier you will see the fleet changes by carrier
Terminal Change	If you require information about terminal changes select this option. It will show all scheduled terminal changes within the selected period
Time Changes	Shows changes to arrival and departure times, within selected time ranges.
Capacity Change	Shows all scheduled seat capacity changes

## 2. Time Period Options

### Period

Date ▾

Compare Date Range 1

From 30Mar2017 To 30Mar2017

Compare Date Range 2

From 30Mar2017 To 30Mar2017

The Schedule Changes Report allows you to view changes by comparing two periods of time.

You can compare changes by:

Year	You can compare two single years i.e. 2016 vs 2016 but also two ranges of years i.e. 2008 - 2012 compared with 2013 -2017.
Season	This selection allows you to compare seasons such as winter or summer. You can compare one season with another i.e. Summer 2016 vs Summer 2017, but you can

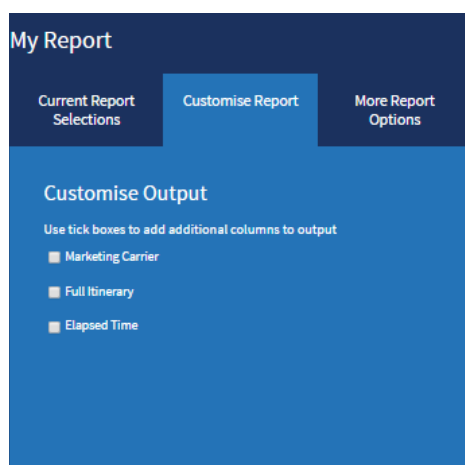
also compare ranges of seasons i.e. Summer 2006 - Winter 2006/7 vs Summer 2016 to Winter 2016/17.

Quarter	For quarterly information you need to select the year and quarter i.e. Q1 (Jan-Mar) 2016 vs Q1 (Jan-Mar) 2017.
Month	As above, you need to select year and month i.e. January 2007 vs January 2017 or January – December 2016 compared to January – December 2017.
Week	This option allows you to compare weeks. You can select the week commencing i.e. 20-26 Mar 2017 or the week commencing i.e. 21 Mar 2016 compared to week commencing 20 Mar 2017. The data will show information for all weeks or the range of weeks.
Date	This selection allows you to compare one day or a range of days i.e. 20 Mar 2017 to 26 Mar 2017 or 21 Mar 2016 vs 20 Mar 2017.

### 3. More

There are only two options in the More field in the Schedule Changes report. These are service type and restriction display.

All selections which are not detailed here operate in the same way as described in the Schedules Capacity Report section.



Like previous reports you can further Customise the Schedule Changes report by clicking on one of the three tabs in the My Report section. **Customise Report** allows you to add three additional columns to the report as shown in the image on the left here, and **More Report Options** allows you to change the look of some of the outputs.

Like before, click to **Run** this report, or **Export** to take it straight to the job bin. If you run the report you can check whether the parameters and outputs you have selected are what you need.

This report does not provide you with a graph or mapping options, but simply returns the data requested in a table format. If you select more than one change, they appear along the top of the output screen, and you can toggle between them simply by clicking on each box.

The screenshot shows the OAG Schedules Analyser interface. At the top, there is a navigation bar with links: Reports, Modules, My OAG, Reference, User Guide, and Your Account. Below this, there are buttons: Back to report fields, Export, Save Job Receipt, Schedule, and Save. The main content area has two tabs: New Routes and Disc. Routes. A table is displayed with the following data:

Carrier	Origin	Destination	Capacity	Frequency
BA	BDS	LHR	6069	37
BA	BRE	LCY	9920	310
BA	BRE	MAN	6944	217
BA	CMF	STN	666	7
BA	CPT	LGW	275	1
BA	DOH	LHR	47752	217
BA	FLL	LGW	15700	58
BA	INN	LHR	10044	62
BA	LCY	BRE	9920	310
BA	LGW	FLL	15700	58

At the bottom of the table, it says: 38 result(s) found, displaying result(s) from 1 to 10. Page 1 / 4.

The user guide link from Schedules Analyser for this report takes you to our website where there is a short video with a worked example of how to create a schedule changes report.

### 3.4 POWER TABLE REPORT

The Schedules Power Table is the most flexible feature of Schedules Analyser. It allows you to fully customise a report from scratch. The report is structured in a similar way to an Excel pivot table, allowing you to select data in different ways to slice the data.

The query page is similar to the previous reports but much more detailed, as the data can be ordered in so many more ways and there is no pre-determined format for this report.



## Dimensions

The first field in this report's parameters are Dimensions and Metrics. It may be helpful to think of the selections you make in the power table as creating a table with this structure – with **dimensions** acting as the rows and columns that your data will be grouped into and the **metrics** providing the data to populate the columns.

There are 8 dimension headings and clicking

on the arrow next to the box opens up the dimension to show all of the sub categories and clicking on the box next to the heading e.g. Carrier, selects all the sub categories in that dimension, or you can scroll down and select just the categories you need.

#### Dimensions

☒  Carrier
   
☐  Carrier Code

If you know what field you are looking for you can enter it into the 'Search Dimensions' box at the top and it will exclude the ones you don't need. You still need to click on the box to add the field you have searched for.

Each dimension heading has numerous sub categories so using the search field can be helpful. On the right of dimensions there are metrics. There are 14 options and all, or any combination of these can be selected. Be cautious of selecting more than you need as this could result in a very large report.

#### Metrics

Frequency  
 Seats (Total)  
 Frequency Share  
 Capacity Share  
 FreightTons (Total)  
 ASMs  
 ATMs  
 ASKs  
 ATKs  
 First seats (Total)  
 Business seats (Total)  
 Economy seats (Total)  
 HHI  
 FlyingTime (Minutes)

Below the Dimensions, Metrics and Categories section there are similar options to the other reports which we have covered in earlier sections. All of these other selections operate in the same way as previously described.

Once you have built the report with the dimensions and metrics you need, you simply click on **Run**. You will notice that there is just one tab in the My Report section, **Current Report Selections**. The outputs in the power table are different too. There are no graph or map options, just a data table, to allow you to then export and manipulate the data you need in whatever way required. A typical power table output would look like this:

OAGschedules | Reports | Modules | My OAG | Reference | User Guide | Your Account

Back to report fields | Export | Save Job Receipt | Schedule | Save

Showing 1 - 10 Of 611 Results | Number Of Rows Per Page: 10 | Filter Results

Carrier Name	Seats (Total)	Frequency	TimeSeries
AB Aviation	300	10	2017-03-30
Aegean Airlines	10,870	114	2017-03-30
Aero VIP	357	19	2017-03-30
Aerolink Uganda Ltd	77	7	2017-03-30
Aeropostal Alas de Venezuela S.A.	3,280	20	2017-03-30
Air Arabia	30,552	102	2017-03-30
Air Arabia Jordan	672	4	2017-03-30
Air Arabia Maroc	4,872	28	2017-03-30
Air Burkina	884	13	2017-03-30
Air Canada	175,057	1,669	2017-03-30

611 result(s) found, displaying result(s) from 1 to 10. Page 1 / 62

As before, you can click on the back to report fields to amend the structure or data requested in the report, or you can select any of the other fields to either export, schedule or save this query.

As previously noted, if the data you have requested results in less than 1,000 rows you can click on the paper image at the bottom right of the table to download it straight to a CSV file. If the report is larger than 1,000 rows, exporting will send it to the job bin to be processed and it can then be downloaded in your preferred format from there.

You can also expand the rows that are displayed in this output (and can do this in any of the other reports). You can select 10, 25, 50 or 100 rows to be displayed. You can also filter results by entering a relevant term e.g. airline code, airline name, airport name, etc. in the **Filter Results** box and the results will be displayed in the table. After filtering, again if the results run to less than 1,000 rows, you can select the paper icon to download just what you see on the screen, i.e. the filtered results.

Number Of Rows Per Page: 10 | Filter Results

Number of rows per page

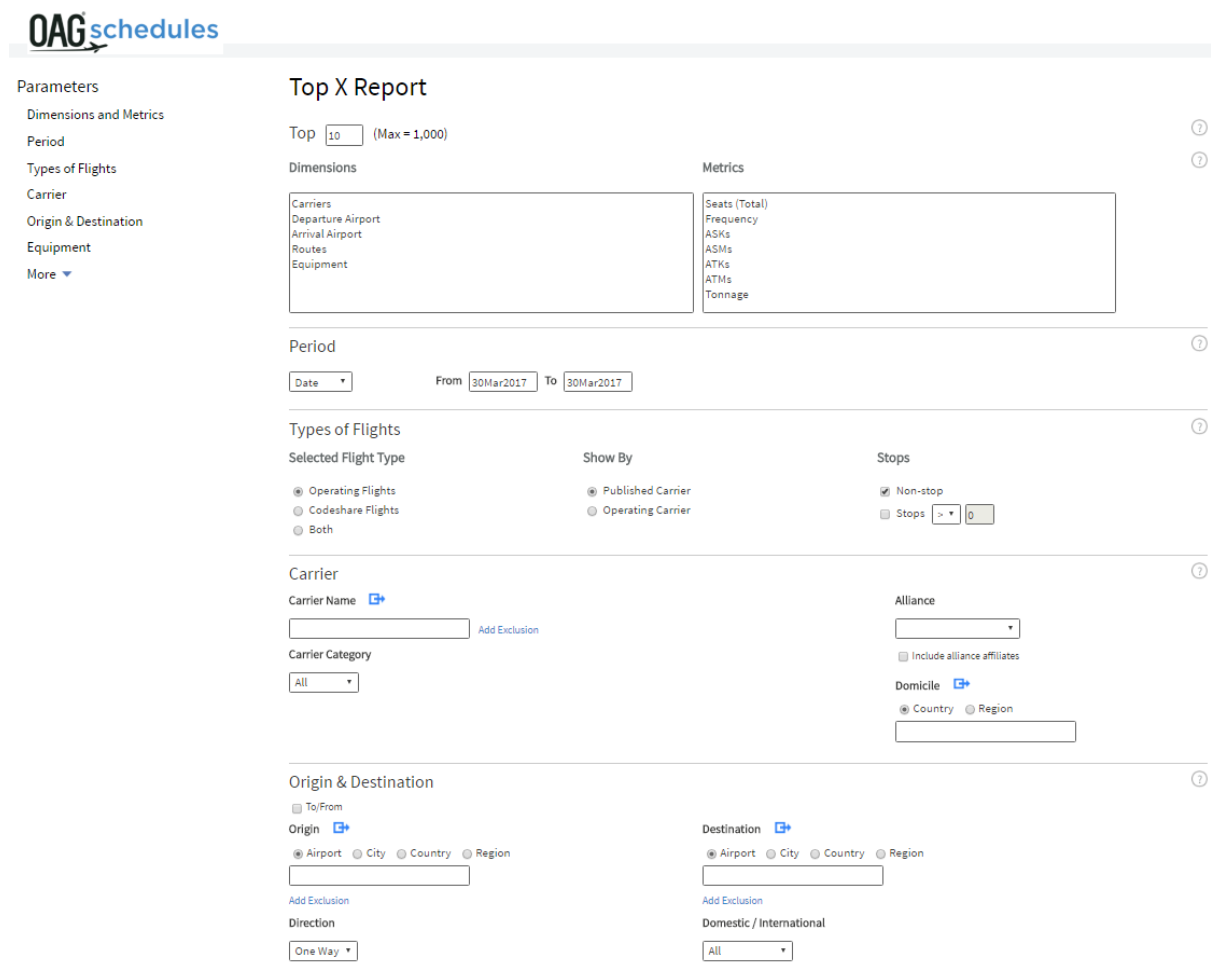
Frequency	TimeSeries
10	2017-03-30
114	2017-03-30
19	2017-03-30
7	2017-03-30
20	2017-03-30
102	2017-03-30
4	2017-03-30
28	2017-03-30
13	2017-03-30
1,669	2017-03-30

When you export the power table, the full power table results will be shown, regardless of any filter you have added.

The user guide link from Schedules Analyser for this report takes you to our website where there is a short video with a worked example of how to create a power table report.

### 3.5 TOP X REPORT

The Top X Report is another customisable report, allowing you to consider a range of data by the Top 10, Top 20, Top 1000 (you can show anything from the Top 1 – 1000). The report is structured in a similar way to the power table query page.



**OAG schedules**

**Parameters**

- Dimensions and Metrics
- Period
- Types of Flights
- Carrier
- Origin & Destination
- Equipment
- More ▾

### Top X Report

Top  (Max = 1,000)

**Dimensions**

- Carriers
- Departure Airport
- Arrival Airport
- Routes
- Equipment

**Metrics**

- Seats (Total)
- Frequency
- ASKs
- ASMs
- ATKs
- ATMs
- Tonnage

**Period**

Date ▾ From  To

**Types of Flights**

**Selected Flight Type**

- ☒ Operating Flights
- ☐ Codeshare Flights
- ☐ Both

**Show By**

- ☒ Published Carrier
- ☐ Operating Carrier

**Stops**

☒ Non-stop

☐ Stops

**Carrier**

Carrier Name  [Add Exclusion](#)

Carrier Category

**Alliance**

☐ Include alliance affiliates

**Domicile** [Add](#)

- ☒ Country
- ☐ Region

**Origin & Destination**

☐ To/From

**Origin** [Add](#)

- ☒ Airport
- ☐ City
- ☐ Country
- ☐ Region

[Add Exclusion](#)

**Direction**

**Destination** [Add](#)

- ☒ Airport
- ☐ City
- ☐ Country
- ☐ Region

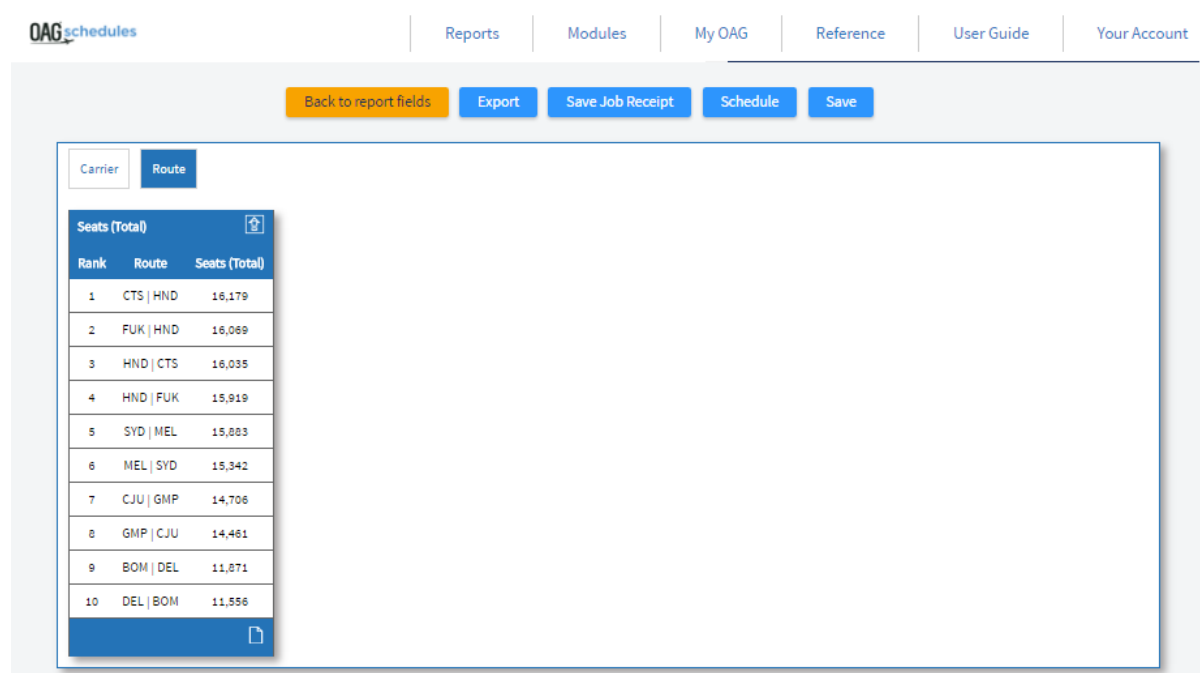
[Add Exclusion](#)

**Domestic / International**



In this report there are just 5 dimensions to choose from (carriers, departureairport, etc) and 7 different criteria (Seats (Total), Frequency, etc) to slice the data by. To select **dimensions and metrics** in this report, you click on them. Once you've done that you simply click on **Run** and the results are displayed as shown in the example below.

More than one dimension and metric can be selected and like the Schedule Changes report, you can toggle between the results. The categories will be displayed side by side and when you export this report, each table will be displayed on a separate worksheet in Excel.



The screenshot shows the OAG Schedules Analyser interface. At the top, there's a navigation bar with links: Reports, Modules, My OAG, Reference, User Guide, and Your Account. Below this, there's a toolbar with buttons: Back to report fields, Export, Save Job Receipt, Schedule, and Save. The main content area displays a report for 'Seats (Total)'. It has two tabs: Carrier and Route. The Route tab is active, showing a table with 10 rows of route data. The table has columns for Rank, Route, and Seats (Total).

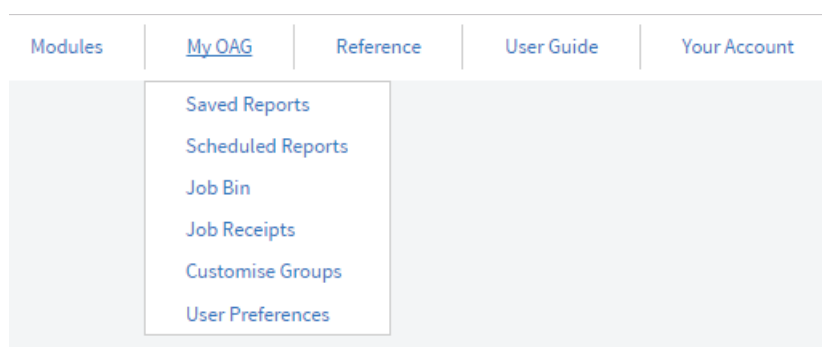
Rank	Route	Seats (Total)
1	CTS   HND	16,179
2	FUK   HND	16,069
3	HND   CTS	16,035
4	HND   FUK	15,919
5	SYD   MEL	15,883
6	MEL   SYD	15,342
7	CJU   GMP	14,706
8	GMP   CJU	14,461
9	BOM   DEL	11,871
10	DEL   BOM	11,556

The user guide link from Schedules Analyser for this report takes you to our website where there is a short video with a worked example of how to create a power table report.

## 4 MY OAG

In this section we take a look at some of the general functions that run across Schedules Analyser. These include the ability to save reports; run scheduled reports at a certain time regularly; and to customise groups of information to make running reports with similar query types easier. You can pre-set report preferences too so that what you want to see is what is always returned.

These are all useful steps that should help you to make the most of your Analyser experience.

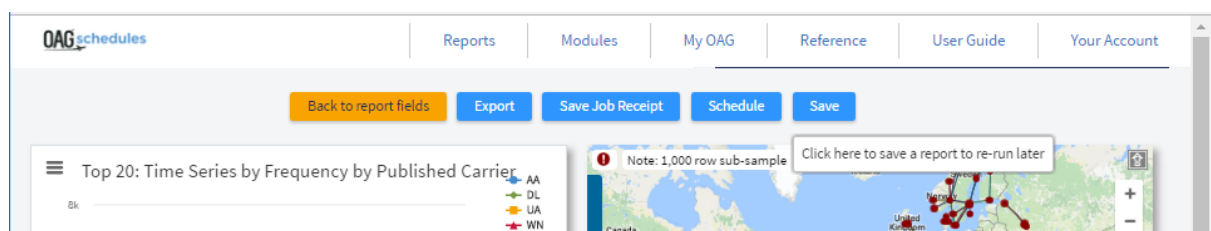


In the table below we identify what each field can be used for:

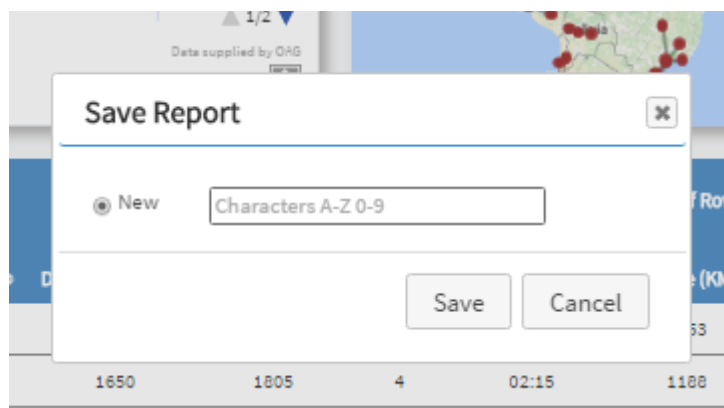
My OAG Fields	What can I use it for?
<b>Saved Reports</b>	Save reports to allow them to be run again
<b>Scheduled Reports</b>	Schedule reports to run regularly e.g. daily, weekly, etc.
<b>Job Bin</b>	Collecting reports once they have been processed
<b>Job Receipts</b>	View job receipts
<b>Customise Groups</b>	Set up a range of criteria to suit your needs
<b>Airline</b>	Set up pre-set airline groups e.g. LCCs, Alliances, etc
<b>Airport</b>	Set up pre-set airport groups e.g. by ownership or other criteria
<b>City</b>	Set up pre-set city groups e.g. capital cities
<b>Country</b>	Set up pre-set country groups e.g. EU countries or ASEAN countries
<b>Region</b>	Set up pre-set region groups e.g. Latin America, Africa, etc
<b>Equipment</b>	Set up pre-set aircraft type groups e.g. Long haul aircraft, etc
<b>User Preferences</b>	Set up default preferences across a range of functions

#### 4.1 SAVING REPORTS

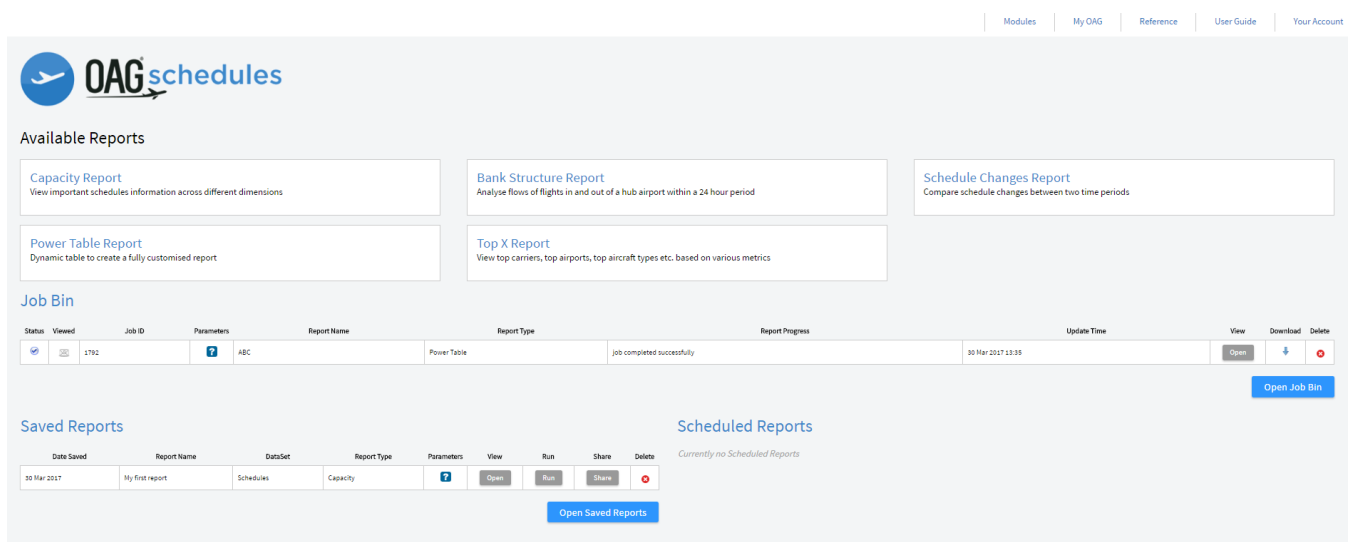
Saving a report and naming it means you can return at any time and rerun the report based on your original query, or amend some of the details and revisit it. To save a report in any of the Schedules Analyser reports you simply click on **Save** which is located above the report outputs, next to Schedule.

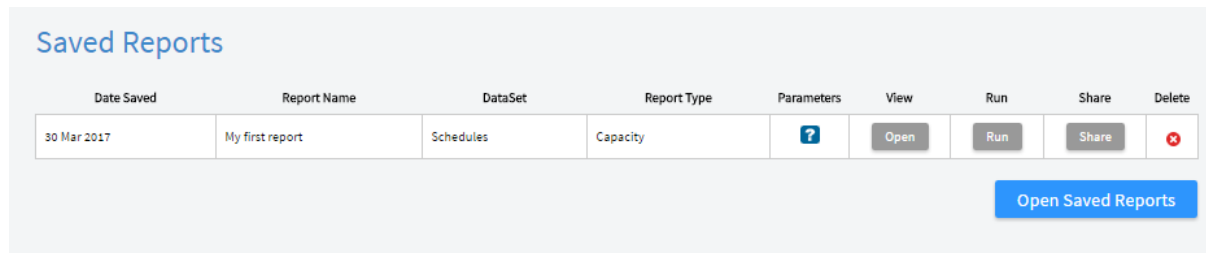


This opens a box, as shown in the screenshot below and all you need to do is enter a name for the report and then click on **Save**.

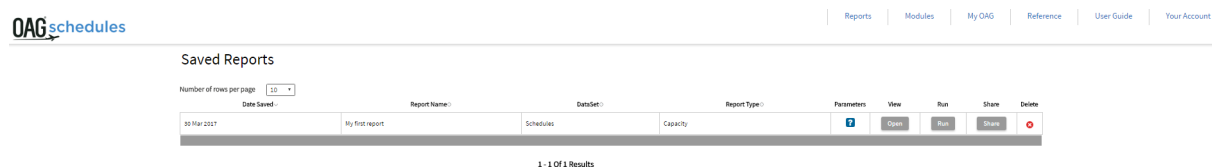


Once you've saved a report, you can view it from the Schedules Analyser home page as displayed below. In the example below we've called the report 'My first report' and you can see it then appears in the **Saved Reports** summary.





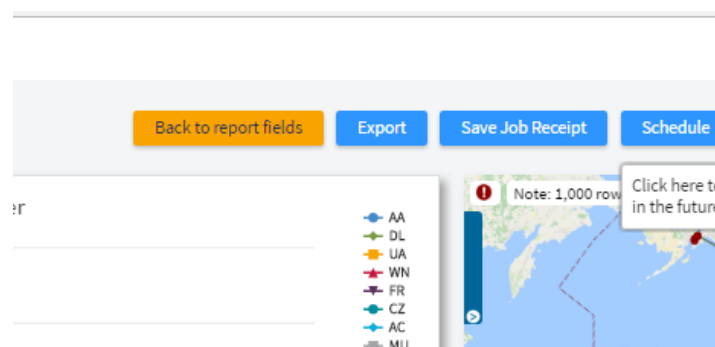
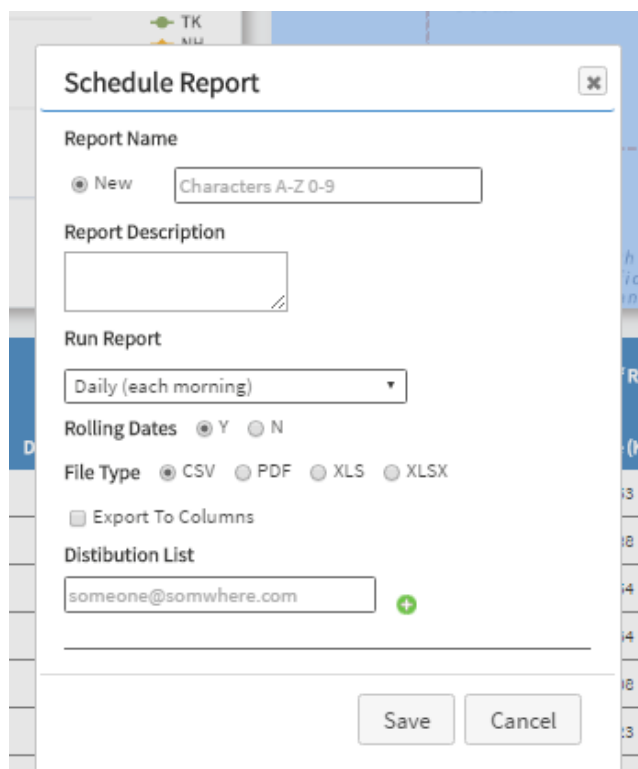
You can then click on open to view the save report, run to run it, or share to email it onto a colleague or customer. Reports can be deleted here too. Clicking on the blue **Open Saved Reports** box takes you to the Saved Reports screen. You can also click through to Saved Reports from the My OAG link at the top of the screen.



To rerun the report you simply click on **run**, or **open** if you need to edit it.

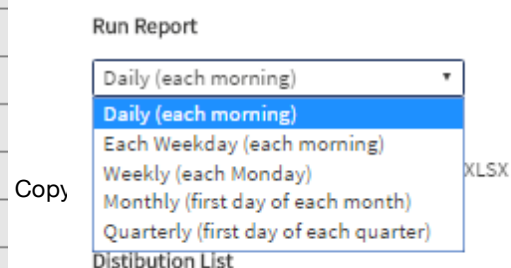
## 4.2 SCHEDULING REPORTS

As well as saving reports you can schedule them to be run regularly and emailed to a single or multiple addresses on a daily, weekly, monthly or quarterly basis.



Clicking on **schedule** opens the following box:

You give the report a name, and can add a



description – useful if you are sending this onto other people, and then select the frequency you need. There are 5 different

time options and the report will run at this frequency until you delete it.

You can then select rolling dates which is the default, or uncheck that, and the required output format. Finally, add the email addresses you want the report distributed to and click save.

The report then appears in your scheduled reports summary on the home page and can also be accessed (in the same way as saved reports) either by clicking on the blue box with **Open Scheduled Reports** or by going via the My OAG section at the top of the screen.

Scheduled Reports								
Report Name	Description	Run Report	File Type	Recipients	Last Run	View	Edit	Delete
My first report		Daily (each morning)	CSV	joebloggs@anytown.com;		Open	Edit	✖
						Open Scheduled Reports		

You can click on **open** to view the parameters in the scheduled report, or on **edit** to change them.

### 4.3 CUSTOMISING DATA

A helpful feature in OAG Analyser is the ability to set up groups of data – you can do this for carriers,

#### Customise Groups

Select a group type: ☒ Airline ☐ Airport ☐ City ☐ Country ☐ Region ☐ Equipment

##### Groups : Carrier

##### Create or Edit Group

Search by Carrier

Or enter multiple carriers in the following format

AA,DL,UA,BA  
or  
AA  
DL  
UA  
BA


##### Save Group

☒ New ☐ Existing  My 1st Group

##### Saved Groups

Showing 1 - 2 Of 2 Results

Number Of Rows Per Page

Name	Carrier Selection	Last Updated At	Created At	Add	Delete
European LCCs	4U,D8,DY,EW,FR,HV,LS,TO,U2...	Mar 20 2017, 12:13	Mar 20 2017, 12:13		
My 1st Group	AA,DL,UA	Mar 21 2017, 13:35	Mar 21 2017, 13:35		

airports, cities, countries, regions and equipment. The process for setting up these different types of groups is exactly the same. We'll run through an example of how to set up a carrier group in the steps below:

At the top, select the type of group you want

## Customise Groups

Select a group type: ☒ Airline ☐ Airport ☐ City ☐ Country ☐ Region ☐ Equipment

Then, in the Create or Edit group box, start to enter the names of the carriers (or airports, cities, etc) that you want to add to the group. You can add them one by one, or copy in a list from elsewhere, provided it matches the format described in the box.

### Create or Edit Group

Search by Carrier

Or enter multiple carriers in the following format

AA,DL,UA,BA  
or  
AA  
DL  
UA  
BA

Then, type in a name for the group in the new box and click on **Save**. The group will then appear in your list of Saved Groups. The process to save a group is the same across all of the rest of the group types.

### Save Group

☒ New  ☐ Existing

#### Saved Groups

Showing 1 - 3 Of 3 Results

Number Of Rows Per Page 10  Filter Results

Name	Carrier Selection	Last Updated At	Created At	Add	Delete
European LCCs	4U,D8,DY,EW,FR,HV,LS,TO,U2...	Mar 20 2017, 12:13	Mar 20 2017, 12:13	<input checked="" type="radio"/>	<input checked="" type="radio"/>
My 1st Group	AA,DL,UA	Mar 21 2017, 13:35	Mar 21 2017, 13:35	<input checked="" type="radio"/>	<input checked="" type="radio"/>
US Majors	AA,DL,UA	Mar 30 2017, 19:15	Mar 30 2017, 19:15	<input checked="" type="radio"/>	<input checked="" type="radio"/>

3 result(s) found, displaying result(s) from 1 to 3. Page 1 / 1

## 4.4 USER PREFERENCES

The last function in My OAG is that you can set up several default preferences across a range of functions, depending on how you wish to view results. You can select defaults for Export File Types,

Distance Measurement, Service Type, Flight Type, Carrier Category, Period, Alliance, Equipment Group and Cabin Type, Show Map and Google Map Regions.

Whatever you select here will be pre-set into your reports, so it's worth bearing that in mind when preselecting preferences. You simply click on your preferred option and then click **Save**. Pre-set preferences can be overridden when running reports by changing the selection in the report.

## User Preferences

### Export File Type

- ☒ Not set
- ☐ CSV
- ☐ PDF
- ☐ XLS
- ☐ XLSX

### Distance Measurement

- ☒ Not set
- ☐ Kilometres
- ☐ Miles
- ☐ Nautical Miles

### Service Type

- ☒ Not set
- ☐ Passenger
- ☐ Cargo
- ☐ Both

### Flight Type

- ☒ Not set
- ☐ All
- ☐ International
- ☐ Domestic

### Carrier Category

- ☒ Not set
- ☐ All
- ☐ Low-cost
- ☐ Mainline

### Period

- ☒ Not set
- ☐ Year
- ☐ Season
- ☐ Quarter
- ☐ Month
- ☐ Week
- ☐ Date

### Alliance

- ☒ Not set
- ☐ Atlantic Excellence
- ☐ Global Excellence
- ☐ oneworld
- ☐ Qualiflyer Group
- ☐ Sky Team Affiliate
- ☐ SkyTeam
- ☐ Star Alliance
- ☐ Wings
- ☐ WOW Cargo Alliance

### Equipment Group

- ☒ Not set
- ☐ All except Surface
- ☐ Amphibious
- ☐ Helicopter
- ☐ Jet Aircraft
- ☐ Piston
- ☐ Narrowbody
- ☐ Widebody
- ☐ Regional Jet
- ☐ Surface
- ☐ Turboprop

### Cabin Type

- ☒ Not set
- ☐ All
- ☐ First
- ☐ Business
- ☐ Economy

### Show Graph

- ☒ Not set
- ☐ True
- ☐ False

### Show Map

- ☒ Not set
- ☐ True
- ☐ False

### Google Map Region

- ☒ Not Set
- ☐ Inside China
- ☐ Outside China

Save

## 5 REFERENCE

There is also a reference section where you can look up information on airport, airline and aircraft codes; review which carriers are included in each alliance group; check season dates; check which countries fit into each region grouping; check distances between two airports or two cities; and also review minimum connecting times (MCT) between two airports.



This reference section is common across other Analyser products. The reference section is found under Reports and can be accessed either from the main toolbar or from the Schedules Analyser landing page.

We'll take a quick look at some of the reference tables and how they work.

Reference Area	What can I use it for?
<b>Airport Codes</b>	Which airports are located in a city, country or region and what are their three letter codes
<b>Airline Codes</b>	Which carriers operate in which countries and what are their codes
<b>Aircraft Codes</b>	Understanding which aircraft codes belong to which manufacturer
<b>Alliances</b>	Which carriers belong to each alliance, alliance members by country
<b>Seasons</b>	Dates for seasons by winter and summer
<b>Country/Region</b>	Which countries are located in which region
<b>MCT</b>	Understand the minimum connecting time for an airport and/or specific carrier
<b>Distance Calculator</b>	Understand the distance between two airports or cities.



## 5.1 AIRPORT CODES

By selecting a country in the location point, all the airports in that country are displayed, with airport codes, city name and latitude and longitude points. This table can then be exported to Excel. You can also search by airport, by city or by region.

### Airport Codes Report

Location Point

☐ Airport
 ☐ City
 ☒ Country
 ☐ Region

☐ Include Bus/Rail Stations

Number of rows per page

[Export to Excel](#)

IATA	Airport Name	City Name	Country Name	WAC State	WAC Sub Country	WAC Country	Longitude	Latitude	Eff From	Eff To
AAM	Mala Mala	Mala Mala	South Africa			562	031.32.41E	24.49.05S	01Aug2001	31Jan2002
AAM	Mala Mala	Mala Mala	South Africa			562	031.32.41E	24.49.05S	01Oct2002	31Dec2020
ALJ	Alexander Bay	Alexander Bay	South Africa			562	016.32.00E	28.34.00S	01Jan1996	31Dec2020
ASS	Arathusa Safari Lodge	Arathusa Safari Lodge	South Africa			562	031.31.06E	24.44.28S	12Jul2015	31Dec2020
BFN	Bloemfontein	Bloemfontein	South Africa			562	026.18.09E	29.05.34S	01Jan1996	31Dec2020
BIY	Bisho	Bisho	South Africa			562	027.17.00E	32.54.00S	01Jan1996	31Dec2020
CPT	Cape Town	Cape Town	South Africa			562	018.36.06E	33.57.53S	01Jan1996	16Dec2013
CPT	Cape Town	Cape Town	South Africa			562	018.36.06E	33.57.53S	17Dec2013	31Dec2020
DUR	Durban Louis Botha Airport	Durban	South Africa				031.08.59E	29.36.52S	01Jan1996	05Jul1996
DUR	Durban King Shaka International Apt	Durban	South Africa			562	031.08.59E	29.36.52S	06Jul1996	31Dec2020

75 airports found, displaying 10 airport(s), from 1 to 10. Page 1 / 8.

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## 5.2 AIRLINE CODES

By selecting a country and leaving the carrier box blank, all the carriers in that country are displayed, with the airline IATA (2 letter) code and airline name. This table can then be exported to Excel.

You can also type in a carrier if you want to know its 2 letter code, or

### Airline Codes Report

Carrier

Country

☐ Low Cost Only

Number of rows per page

[Export to Excel](#)

IATA	ICAO	Prefix	Airline Name	Country Name	Eff From	Eff To
2F	FAV		Fair Aviation (Pty) Ltd	South Africa	27Nov2016	31Dec2020
4M	DSM	469	African Star Airways	South Africa	01Oct1999	31Dec2000
4M	DSM	469	African Star Airways	South Africa	01Sep2001	31Jan2002
4R			Spurwing Air	South Africa	01Jan1996	03May1996
4Z	LNK	749	South African Airlink	South Africa	30Mar1996	02May1997
4Z	LNK	749	SA Airlink	South Africa	03May1997	05Jul2012
4Z	LNK	749	South African Airlink	South Africa	06Jul2012	31Dec2020
5T	MPE	518	Airlink	South Africa	01Jan1996	30May1997
5Z	KEM		Cemair	South Africa	17Feb2014	31Dec2020
6P	VOS	478	Gryphon Airlines	South Africa	01Sep2011	31Dec2020

64 airlines found, displaying 10 airline(s), from 1 to 10. Page 1 / 7.

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vice versa – if you have the code and want to know the name.

### 5.3 AIRCRAFT CODES

If you wanted to know all of an aircraft manufacturer's aircraft codes and types, you can key in the name e.g. Boeing or Airbus and all results will be displayed.

You can do the same by aircraft type e.g. 787 or 380

**Aircraft Codes Report**

Equipment:   
 Manufacturer:   
 Run  
 Number of rows per page: 10 [Export to Excel](#)

IATA	Manufacturer	Aircraft Name	Call Name	Eff From	Eff To
783	Boeing	Boeing 787-320-320ER (Passenger)	Pure Jet - Narrow body	01Jan1996	31Dec2020
737	Boeing	Boeing 737 Passenger all Series	Pure Jet - Narrow body	01Jan1996	31Dec2020
737	Boeing	Boeing 737 Passenger all Series	Pure Jet - Narrow body	01Oct2001	31Oct2001
737	Boeing	Boeing 737 /720 Passenger	Pure Jet - Narrow body	01Jan2003	31Dec2020
737	Boeing	Boeing 737 (Freighter)	Pure Jet - Narrow body	01Jan1996	31Jan2003
737	Boeing	Boeing 737-320ER /320C (Freighter)	Pure Jet - Narrow body	01Feb2003	31Dec2020
737	Boeing	Boeing 737 (Mixed Config)	Pure Jet - Narrow body	01Jan1996	30Nov1996
737	Boeing	Boeing 737 (Mixed Config)	Pure Jet - Narrow body	01Aug1999	31Dec2020
717	Boeing	Boeing 717	Pure Jet - Narrow body	01Oct1999	31Jan2003
717	Boeing	Boeing 717-200	Pure Jet - Narrow body	01Feb2003	31Dec2020

181 aircraft found, displaying 10 aircraft(s), from 1 to 10, Page 1 / 18.

**Aircraft Codes Report**

Equipment:   
 Manufacturer:   
 Run  
 Number of rows per page: 10 [Export to Excel](#)

IATA	Manufacturer	Aircraft Name	Call Name	Eff From	Eff To
380	Airbus Industrie	Airbus A380-800 Passenger	Pure Jet - Wide body	01Oct2007	31Dec2020

1 aircraft found, displaying 1 aircraft(s), from 1 to 1, Page 1 / 1.

### 5.4 ALLIANCE CODES

**Alliance Codes Report**

Alliance:   
 Carrier:   
 Country:   
 Run  
 Number of rows per page: 10 [Export to Excel](#)

Alliance	IATA	Airline Name	Active	Affiliate	Host Country	Eff From	Eff To
oneworld	AA	American Airlines	Yes	No	USA	01Feb1999	31Dec2020
oneworld	AB	Air Berlin	Yes	No	Germany	26Mar2012	31Dec2020
oneworld	AY	Finnair	Yes	No	Finland	01Sep1999	31Dec2020
oneworld	BA	British Airways	Yes	No	United Kingdom	01Feb1999	31Dec2020
oneworld	CP	Canadian Airlines	No	No	Canada	01Feb1999	01Jun2000
oneworld	CX	Cathay Pacific					
oneworld	CX	Cathay Pacific					
oneworld	EI	Aer Lingus					
oneworld	IB	Iberia					
oneworld	IT	Kingfisher Air					

42 alliances found, displaying 10 alliance(s), from 1 to 10, Page 1 / 4.

**Alliance Codes Report**

Alliance:   
 Carrier:   
 Country:   
 Run  
 Number of rows per page: 10 [Export to Excel](#)

Alliance	IATA	Airline Name	Active	Affiliate	Host Country	Eff From	Eff To
Star Alliance	SA	South African Airways	Yes	No	South Africa	10Apr2006	31Dec2020

1 alliances found, displaying 1 alliance(s), from 1 to 1, Page 1 / 1.

This reference report allows you to search by alliance – which returns all the carriers in each alliance; or by carrier, or by country. Like previous reports this data can be exported to Excel for future reference

## 5.5 SEASONS

This reference report allows you to establish the start and end dates of summer and winter seasons going back to 1996. You simply select the season you want and the years and the dates are displayed.

**Seasons Report**

Season: Summer ▼

From Year: 2013 ▼

To Year: 2014 ▼

**Run**

Number of rows per page: 10 ▼ [Export to Excel](#)

Season	From Date	To Date
Summer	31Mar2013	28Oct2013
Summer	30Mar2014	25Oct2014

2 seasons found, displaying 2 season(s), from 1 to 2. Page 1 / 1.

## 5.6 COUNTRY/REGION CODES

This reference report allows you to establish what countries are included in a region – either by searching for a region or by a specific country.

**Country / Region Codes Report**

Location Point  
☐ Domicile Country ☒ Domicile Region

Africa : Southern Africa (AF2) **Run**

Number of rows per page: 10 ▼ [Export to Excel](#)

Country Code	Country Name	DOT Country Code	Long(dec)	Lat(dec)	Region Code	Region Name	E# From	E# To
AO	Angola	502	18.0	-12.0	AF2	Africa : Southern Africa	01Jan1996	31Dec2020
BW	Botswana	510	25.0	-22.0	AF2	Africa : Southern Africa	01Jan1996	31Dec2020
LS	Lesotho	536	28.0	-30.0	AF2	Africa : Southern Africa	01Jan1996	31Dec2020
MW	Malawi	542	34.0	-13.0	AF2	Africa : Southern Africa	01Jan1996	31Dec2020
MZ	Mozambique	550	35.0	-18.0	AF2	Africa : Southern Africa	01Jan1996	31Dec2020
NA	Namibia	575	17.0	-22.0	AF2	Africa : Southern Africa	01Jan1996	31Dec2020
SZ	Swaziland	582	32.0	-27.0	AF2	Africa : Southern Africa	01Jan1996	31Dec2020
ZA	South Africa	562	24.0	-28.0	AF2	Africa : Southern Africa	01Jan1996	31Dec2020
ZM	Zambia	597	26.0	-15.0	AF2	Africa : Southern Africa	01Jan1996	31Dec2020
ZW	Zimbabwe	555	29.0	-19.0	AF2	Africa : Southern Africa	01Jan1996	31Dec2020

10 ctry/region found, displaying 10 ctry/region(s), from 1 to 10. Page 1 / 1.

## 5.7 MCT – MINIMUM CONNECTING TIMES

With this report you can query the minimum connecting time by airport and/or by carrier. Results are displayed by sector type and for active connections at the query airport.

### MCT Lookup Report

Airport:

Carrier:

Minimum connect times for: Johannesburg International (JNB)  
Minimum connect times as at: 20-02-2014  
World-wide Industry Defaults

Type	MCT Status	MCT Time
Inter-Airport	DOM-DOM	20
	DOM-INT	60
	INT-DOM	60
	INT-INT	60
Intra-Airport	DOM-DOM	240
	DOM-INT	240
	INT-DOM	240
	INT-INT	240

Defaults

MCT Time (min)	Airports	Terminal to Terminal	MCT Status
60	JNB		DOMESTIC TO DOMESTIC
90	JNB		DOMESTIC TO INTERNATIONAL
90	JNB		INTERNATIONAL TO DOMESTIC

3 result(s) found, displaying 3 result(s), from 1 to 3. Page 1 / 1

3 result(s) found, displaying 3 result(s), from 1 to 3. Page 1 / 1

Exceptions

Number of rows per page:

Arrival Airport Code	MCT Time (min)	MCT Status	Departure Airport Code	Arrival Airline Code	Incoming Flight Number(s)	Departure Airline Code	Outgoing Flight Number(s)
JNB	90	DOMESTIC TO INTERNA		SA-South African Airways		SV-Saudi Arabian Airlines	
JNB	90	INTERNA TO DOMESTIC		SV-Saudi Arabian Airlines		SA-South African Airways	
JNB	45	INTERNA TO INTERNA		SA-South African Airways	0145-	SA-South African Airways	0207-
JNB	45	INTERNA TO INTERNA		SA-South African Airways	0145-	UA-United Airlines	7917-
JNB	90	INTERNA TO INTERNA		SA-South African Airways	7160-7165	SA-South African Airways	
JNB	90	INTERNA TO INTERNA		SA-South African Airways	8103-	SA-South African Airways	
JNB	90	INTERNA TO INTERNA		SA-South African Airways	8159-	SA-South African Airways	
JNB	90	INTERNA TO INTERNA		SA-South African Airways	8165-	SA-South African Airways	
JNB	75	INTERNA TO INTERNA		AF-Air France		SA-South African Airways	
JNB	90	INTERNA TO INTERNA		VS-Virgin Atlantic Airways		SA-South African Airways	

## 5.8 DISTANCE CALCULATOR

This reference report allows you to query the distance in miles, kilometres or nautical miles, between two airports or cities.

Distance Calculator

Type of Calculation

☒ Origin and Destination
 ☐ Path

Units

Miles

Origin

☒ Airport
 ☐ City

Johannesburg International (JNB)

Destination

☒ Airport
 ☐ City

Cape Town (CPT)

Path

☒ Airport
 ☐ City

Plot Options

Run

Result from Johannesburg International to Cape Town in M

From	To	Distance
Johannesburg International	Cape Town	790 M

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export hi res