



Osprey Flight Solutions

# A new age for aviation risk management



## Osprey:Sentinel

Keeping you on the right flight path

**PRIVATE & CONFIDENTIAL**

# Introduction

Osprey:Sentinel allows users to automatically monitor and be informed when a flight within their operation, and any relevant codeshare flights, breaches a Prohibition or Advisory as outlined by 7 regulatory bodies (US FAA, UK CAA, Canadian CCA, French DGAC, German LBA, EASA and UAE GCAA).

## What will be covered:

- How to be informed and monitor correctly
- How to view flights affected including filters
- How to see advisories/prohibitions by regulator

The screenshot displays the Osprey Sentinel application interface. At the top, there are tabs for 'Flights' and 'Advisories', with 'Advisories' selected. A filter dropdown is set to 'French DGAC'. Below the tabs is a search bar. The main content area is a table of advisories with columns for Tags, Reference, Authority, Issued, Valid Until, and Summary. To the right of the table is a world map with several regions highlighted in orange and red, indicating areas of concern or advisories.

Tags	Reference	Authority	Issued	Valid Until	Summary
▲ Afghanistan, FIR KABUL	AIC France A 10/22	French DGAC	2022-09-12		Defer all flights in Afghan airspace, except airway P500/G500 at or above FL320
▲ Belarus, FIR MINSK	NOTAM LFFF/LFBB/LFEE/LFMM/LFRR F1291/22	French DGAC	2022-08-16	2022-11-17	Defer all flights in Belarusian airspace
▲ Ethiopia, FIR ADDIS ABABA	NOTAM LFBB/LFEE/LFFF/LFMM/LFRR F1290/22	French DGAC	2022-08-16	2022-11-17	Defer flights over Tigray region, exercise caution over rest of FIR Addis Ababa below FL320
▲ Ethiopia, FIR ADDIS ABABA	NOTAM LFEE/LFFF/LFRR/LFMM/LFBB F1290/22	French DGAC	2022-08-16	2022-11-17	Defer flights over Tigray region, exercise caution over rest of FIR Addis Ababa below FL320
▲ Iran, FIR TEHRAN	AIC France A 10/22	French DGAC	2022-09-12		Defer all flights over Western Iran, operate above FL320 over Eastern Iran
▲ Iran, FIR TEHRAN	AIC France A 10/22	French DGAC	2022-09-12		Defer all flights over Western Iran, operate above FL320 over Eastern Iran
▲ Iraq, FIR BAGHDAD	AIC France A 10/22	French DGAC	2022-09-12		Do not use Iraqi airspace except specific airways at or above FL320
▲ Libya, FIR TRIPOLI	AIC France A 10/22	French DGAC	2022-09-12		Defer all flights
▲ Mali, FIR NIAMEY	AIC France A 10/22	French DGAC	2022-09-12		Risk below FL320 in eastern Mali
▲ Moldova, FIR CHISINAU	NOTAM LFFF/LFBB/LFEE/LFMM/LFRR F0860/22	French DGAC	2022-08-16	2022-11-17	Defer all flights in Moldovan airspace (FIR Chisinau (LUULJ))

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# How To

## Be Informed And Monitor Correctly

To ensure you are monitoring correctly, you will need to allocate settings to your flights.

Click the cog icon in the top right-hand corner of the **flight** screen. Showing two tabs; Inform (what we will tell you) and Monitor (when we will tell you).

**Inform** will indicate what you will be told about any breaches. You can toggle on any of the 3 areas, Client Defined, Prohibition & Advisories.

You can then indicate how frequently this information is sent to you via email. It can be:

- switched off (never),
- sent through as soon as a breach is indicated (Immediate)
- a one-page summary sent through at 0100 hours the next day (Daily Summary)

**Monitor** indicates which regulators you wish to see. You can tick all or only the regulators that are of concern to your operation. You have the option to add additional codeshare flights by clicking Add Codeshare and filling in the Flight Number and the Codeshare operator. Once entered, please ensure you tick the boxes for the relevant authorities.

By clicking save your landing page will then indicate to you the settings you have selected.

The screenshot displays the Sentinel flight monitoring interface. At the top, it shows 'Sentinel' with navigation for 'Flights' and 'Advisories', and status information: 'Updated: 2022-09-12 09:20' and 'Scanned 6513 flights'. The 'Operator Code' is set to 'OJ3'. The interface is divided into three main sections:

- PROHIBITION - 2**: A table listing two flight prohibitions.
- ADVISORY - 5**: A table listing five flight advisories.
- Latest 10 Advisories**: A detailed table of the most recent advisories.

Flight No.	STD	From	Code	To	Code	Status
OFS365	2022-09-12 07:00:00	Allama Iqbal International Airport	OPLA	London Heathrow Airport	EGLL	
OFS364	2022-09-11 20:35:00	London Heathrow Airport	EGLL	Allama Iqbal International Airport	OPLA	

  

Flight No.	STD	From	Code	To	Code	Status
OFS302	2022-09-12 10:05:00	London Heathrow Airport	EGLL	Indira Gandhi International Airport	VIDP	FILED
OFS365	2022-09-12 07:00:00	Allama Iqbal International Airport	OPLA	London Heathrow Airport	EGLL	
OFS355	2022-09-12 06:45:00	Chhatrapati Shivaji International Airport	VABB	London Heathrow Airport	EGLL	
OFS301	2022-09-12 04:30:00	Indira Gandhi International Airport	VIDP	London Heathrow Airport	EGLL	
OFS364	2022-09-11 20:35:00	London Heathrow Airport	EGLL	Allama Iqbal International Airport	OPLA	

  

Tags	Reference	Authority	Issued	Valid Until	Summary
Iraq, FIR BAGHDAD	NOTAM EGT/EGPX/EGGX V0027/22	UK CAA	2022-09-06	2022-12-05	Recommendation to fly at or above FL320 in FIR
Iraq, FIR BAGHDAD	NOTAM EDG/EDWW/EDMM B1079/22	German LBA	2022-09-02	2022-10-06	Recommendation not to enter FIR Baghdad below FL280 & take potential risk into account at or above FL280, supersedes current AIC advice
Belarus, FIR MINSK	NOTAM EDG/EDMM/EDWW B1002/22	German LBA	2022-08-19	2022-11-16	Avoid FIR Minsk (UMMV)
Ethiopia, FIR ADDIS ABABA	NOTAM LFB/AFEE/LFFF/LFMM/LFRR F1290/22	French DGAC	2022-08-16	2022-11-17	Defer flights over Tigray region, exercise caution over rest of FIR Addis Ababa below FL320
Ukraine, FIR DNIPROPETROVSK, FIR L'VIV, FIR SIMFEROPOL, FIR ODESA, FIR KYV	NOTAM LFFF/LFBB/LFEE/LFMM/LFRR F1291/22	French DGAC	2022-08-16	2022-11-17	Defer all flights in Ukraine's airspace, supersedes restrictions in AIC
Belarus, FIR MINSK	NOTAM LFFF/LFBB/LFEE/LFMM/LFRR F1291/22	French DGAC	2022-08-16	2022-11-17	Defer all flights in Belarusian airspace
Russia, FIR MOSCOW, FIR ROSTOV-NA-DONU	NOTAM LFFF/LFBB/LFEE/LFMM/LFRR F1291/22	French DGAC	2022-08-16	2022-11-17	Defer all flights in FIR Moscow and FIR Rostov within 200NM of Ukrainian border, exercise extreme caution beyond 200NM
Ukraine, FIR DNIPROPETROVSK, FIR L'VIV, FIR SIMFEROPOL, FIR ODESA, FIR KYV	NOTAM EGT/EGPX V0025/22	UK CAA	2022-08-16	2022-11-14	Prohibition on entering territory and airspace of Ukraine
Moldova, FIR CHISINAU	NOTAM LFFF/LFBB/LFEE/LFMM/LFRR F0860/22	French DGAC	2022-08-16	2022-11-17	Defer all flights in Moldovan airspace (FIR Chisinau (LUUU))

## View Affected Flights

The Flights landing page for :Sentinel shows your operations listed on the left-hand side. Split into 3 areas, **Client defined, Prohibitions and Advisories**. (The list will only indicate the parameters listed in your settings, see *"How to be informed and monitor correctly"* for details on how to do this.)

- ◆ The numbers shown indicate your operations breaches. The first value is filtered according to the configuration of your settings. The second value is the total number of breaches detected for the current flights planned or airborne.

Once selected, a modal will appear. At the top is the flight detailed as Flight Number and departure to arrival airports.

- ◆ Flights indicated in **green** have been manually added to the Codeshare section for monitoring. (See *"How to be informed and monitor correctly"* for details on how to add flights.)

Review your flight breaches using 3 different filter options (Country, Airport and Authority) in the top left of the screen. **Note: The displayed Countries and Airports are only relevant to your operation; therefore, we will only display the Countries and Airports you are departing from or arriving at, reducing the amount listed on each.**

Once a filter is applied, the review of flight breaches will change, giving you a clear indication of which flights need to be focused on.

**Click on the flight** you wish to see details on.

A modal will appear. At the top is the flight selected and shows the Flight Number and departure to arrival airports as an ICAO code.

- ◆ Each breach will be indicated on a map. This map shows the shape of the areas for each regulator.
- ◆ On the right-hand side of the modal, you will be able to filter by regulator. This will dictate what map you can see AND by clicking on Advisories, which breach is being indicated.
- ◆ The map will show the geolocation and will be overlaid with a route string.
- ◆ The second tab (Advisories) details the breach from the regulator. By filtering, you can see the breaches that are more relevant to you.

The **advisories** tab shows the type of information being indicated, i.e. Advisory, Prohibition or Client-defined. It highlights:

- the Tag or Name this has been given
- the dates of issue and valid until
- the authority, a small description
- the altitude at which the flight in question interacts with the breach

By clicking on the advisory an expanded information section will appear showing you further indication of the regulator's comments.

The final aspect of this (Flights) page is the right-hand column, which shows you the latest advisories from all regulators as standard.

The screenshot displays the Sentinel application interface. At the top, it shows 'Updated: 2024-04-09 14:40' and 'Account: Osprey Team'. The main area is divided into several sections:

- Filter By:** Country (All)
- CLIENT DEFINED - 5/5**: A list of flight advisories with columns for Flight No., STD, From, Case, and To. Example entries include OSP118, OSP302, OSP301, OSP303, and OSP300.
- PROHIBITION - 14/14**: A list of flight prohibitions with columns for Flight No., STD, From, Case, and To. Example entries include OSP134, OSP130, OSP15M, OSP134, OSP130, OSP176, OSP16M, and OSP176.
- Map:** A map of the Middle East region with a yellow highlighted area over the Red Sea and Gulf of Aden.
- Advisories:** A detailed view of a specific advisory titled 'OSP134 - UJDD - OMDB'. It includes a table of advisories with columns for Type, Release, Authority, Issue, Valid Until, and Summary. Example entries include:
 

Type	Release	Authority	Issue	Valid Until	Summary
Egypt, Israel, Jordan, Saudi Arabia, FIR TEL AVIV, FIR CAIRO, FIR JEDDAH, FIR AMMAN	NOTAM EGPX/EGTT/EGCK V001/4/24	UK	2024-04-03	2024-07-02	Advisory to take risk into account in areas around Gulf of Aden due to heightened military activity.
Egypt, Eritrea, Israel, Jordan, Saudi Arabia, Sudan, Yemen, RR ASMARA, FIR TEL AVIV, FIR CAIRO, FIR CHARTRHAM, RR SANAA	NOTAM EGTI/EGP/EGX V001/6/24	UK	2024-04-05	2024-07-02	Advisory regarding potential risk over Red Sea from heightened military activity.
		FIR TEL AVIV	2024-04-03	2024-07-02	Advisory to take risk into account in Lebanese airspace (RR Beirut, (PI BEB) due to anti-aircraft advisory and military activity.
		FIR FWAH/RR	2024-02-28	2024-06-29	Do not enter Maldivian airspace along Ukrainian border, supersedes current AIC.
		FIR EGG/EDWW	2024-02-20	2024-05-18	Recommendation not to enter Mal's airspace below FL260 (apart from prohibition in northern part of country), risk of erroneous altitude at all airports (supersedes current AIC entry).
		FIR EGG/EDWW	2024-03-20	2024-04-18	German operators are prohibited to enter FIR Niamey (DRR) within the territory and airspace of Mali north of 150000N below FL260 (supersedes current AIC entry).
		N0004/24	2024-02-14	2024-06-12	Advisory to exercise caution in Indian airspace.
		FIR TEL AVIV	2024-02-26	2024-05-26	Recommendation not to enter specified area of eastern FIR Amman between 1 degree North and 2 degrees South below 75,000 AGL.
		40001/24	2024-02-21	2025-03-21	Advisory to use caution due to risk of all altitudes from ongoing fighting, presence of advanced air defense systems.
		Germany	2024-02-13		Advisory to take risk into account in eastern FIR Sanku, east of civity 8400.

## See Advisories and Prohibitions by Regulator

By clicking on the **Advisories page**, you can look at which advisories have been published, where they are located and a full description to better assess FIR's and countries based on notices.

1. The top of your screen will have a drop-down menu. By clicking here, you can run through the following regulators:

- US FAA
- UK CAA
- Canadian CCA
- French DGAC
- German LBA
- EASA
- UAE GCAA
- Client Library

2. Once the relevant regulator is selected, you will be able to see a list of the notices referencing the following:

- Tag (country & FIR).
- Reference of that publication.
- The Authority issuing the notice.
- The valid from and to dates.
- A summary of the notice.

On the right-hand side of the screen, a map will show areas of Prohibited and Advised space based on the notice and the location that have been published by that authority. If the colour appears as **Orange**, this indicates that both an advisory and prohibition sit in that area.

- The client library section from the drop down will show as areas of your operation that are no go.
- These can be controlled by the user with the relevant permissions and can be switched on and off when needed.
- These are listed with a country, description, and minimum altitude level as standard information to enter.
- A tick box listed as Active will show the space as either hatched or greyed out depending on the requirement of the users.

## Conclusion

By utilising Osprey:Sentinel your operations can have a better understanding of their flights and where breaches are being detected. You can see these in real-time from the dashboard once logged in, or you can be informed via email notification.

The first step in ensuring all information is being captured is for Osprey to be able to monitor your flights automatically. See relevant articles for a guide to integration.

## Related Content

- ◆ [Osprey:Sentinel Training Guide](#)
- ◆ [Osprey:Pulse Article](#)

## Still need assistance?

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