Navigraph voor Flight Simulation

Harm Meertens

LaMaMa 26 september 2022







Navigraph voor Flight Simulation

Waarom heb je Navigraph data nodig. Wat doet Navigraph?

Navigraph biedt updated

- airport charts,
- enroute charts,
- navigational databases

Voor het realisme in het vliegen met

Microsoft Flight Simulator, Prepar3D en X-Plane.

De data is verkregen van Jeppesen

De data, wordt omgezet in data formats voor diverse Flight Simulatoren.



Waarom heb je Navigraph data nodig?

To reflect current conditions in aviation in your flight simulator.

This is important for

- □ realism
- to share an virtual airspace when flying in network with other pilots and controllers together using different Flight Simulators and addon software.



As real as it gets

- The data provided by Navigraph is
- current
- ☐ updated every 28 days

according to the AIRAC cycle - just like in the aviation industry

You will be flying your simulator in the most realistic conditions



Up to Date Charts (1)

The airport diagrams in Navigraph Charts are very useful when taxiing the aircraft from the gate to the runway.

The departure procedures in Navigraph Charts tells you how to fly from the runway to the airway leading you in the direction you want to fly.

Navigraph Charts also has a **route calculator** which tells you which sequence of waypoints you need to pass in order to get to the arrival airport.

The **route** is **visualized** on the enroute chart and there is also a **Moving Map function** which plots the current location of your aircraft.



Up to Date Charts (2)

As you get ready to land Navigraph has charts for arrival and approach procedures.

These tell you which waypoints you need to pass, along with speed and altitude restrictions, and information about available lights and landing systems at the destination airport.

Information about frequencies for radio and navigational aids

- For contact with air traffic control,
- For tuning in on navigational aids,
- For aligning yourself on the glide slope into the destination airport.



AIRPORT/RUNWAY DEPARTURE ROUTE ARRIVAL APPROACH AIRPORT / RUNWAY

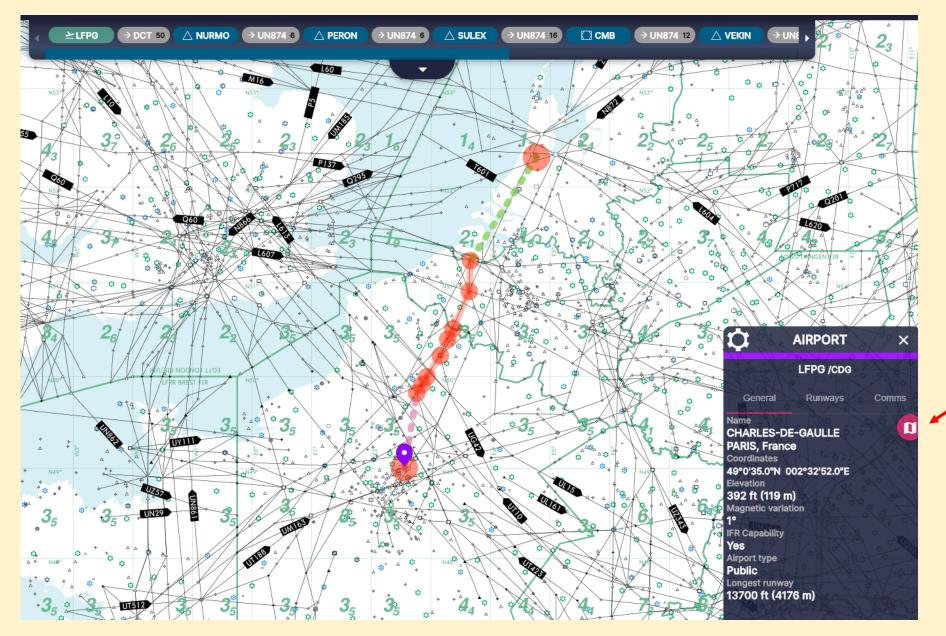


NAVIGATIE



AIRPORT/RUNWAY DEPARTURE ROUTE ARRIVAL APPROACH AIRPORT / RUNWAY

Up to Date Charts





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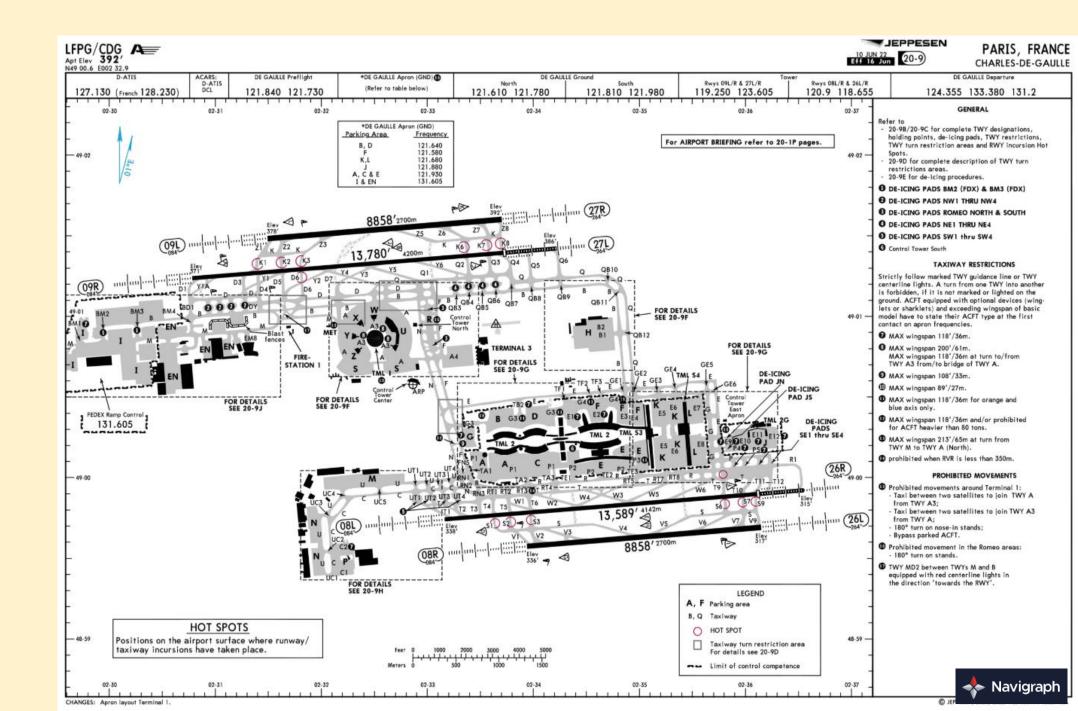
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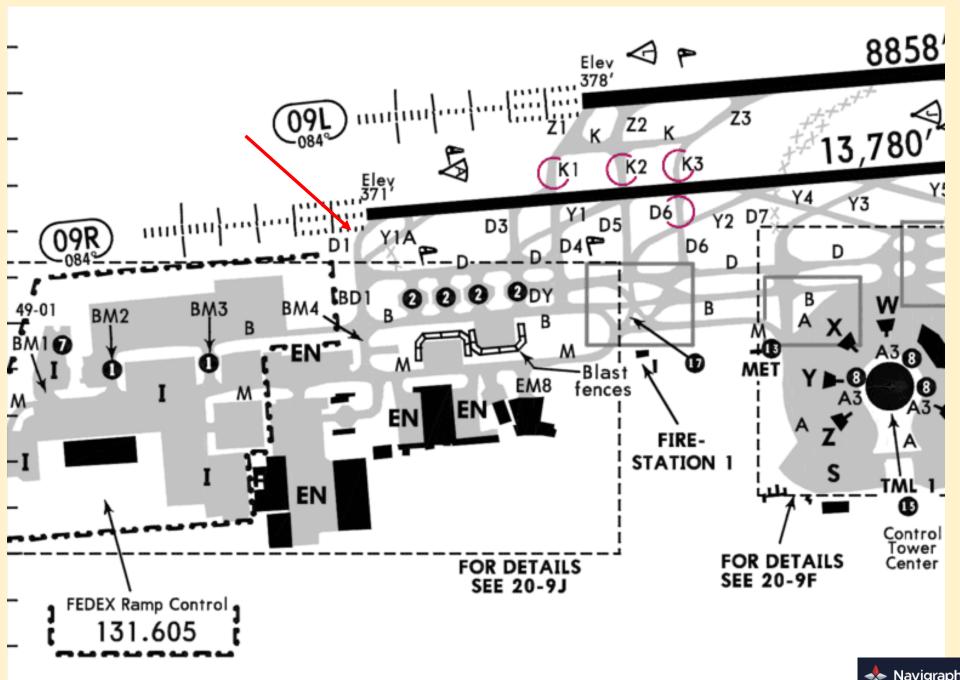
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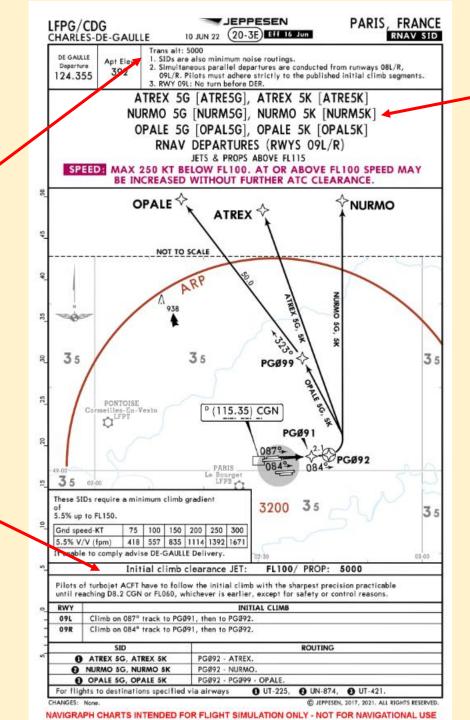
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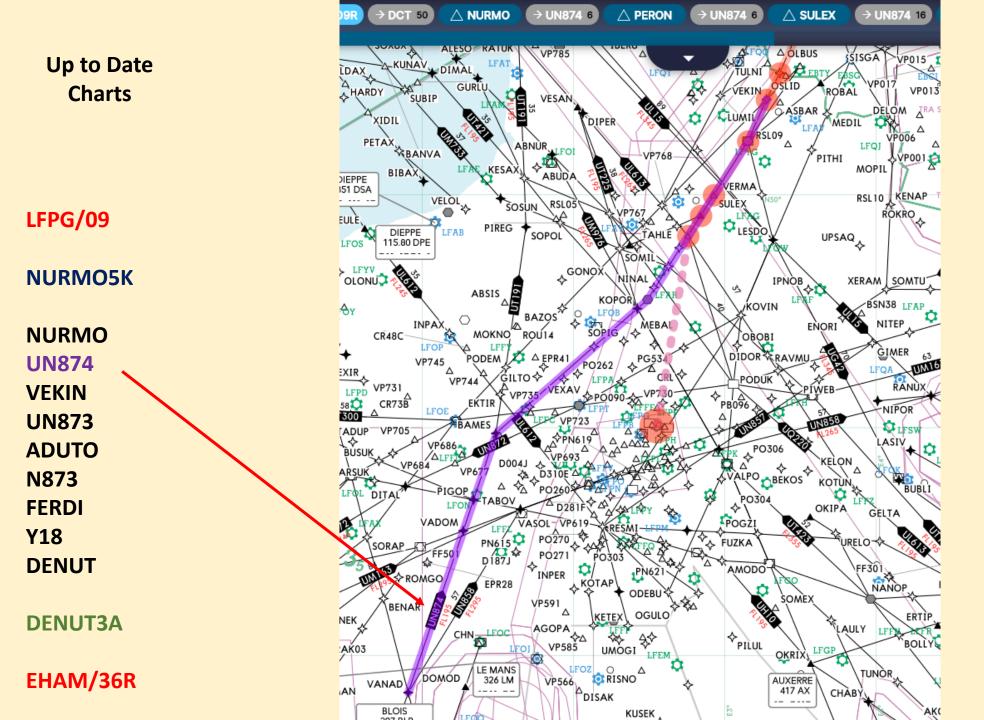
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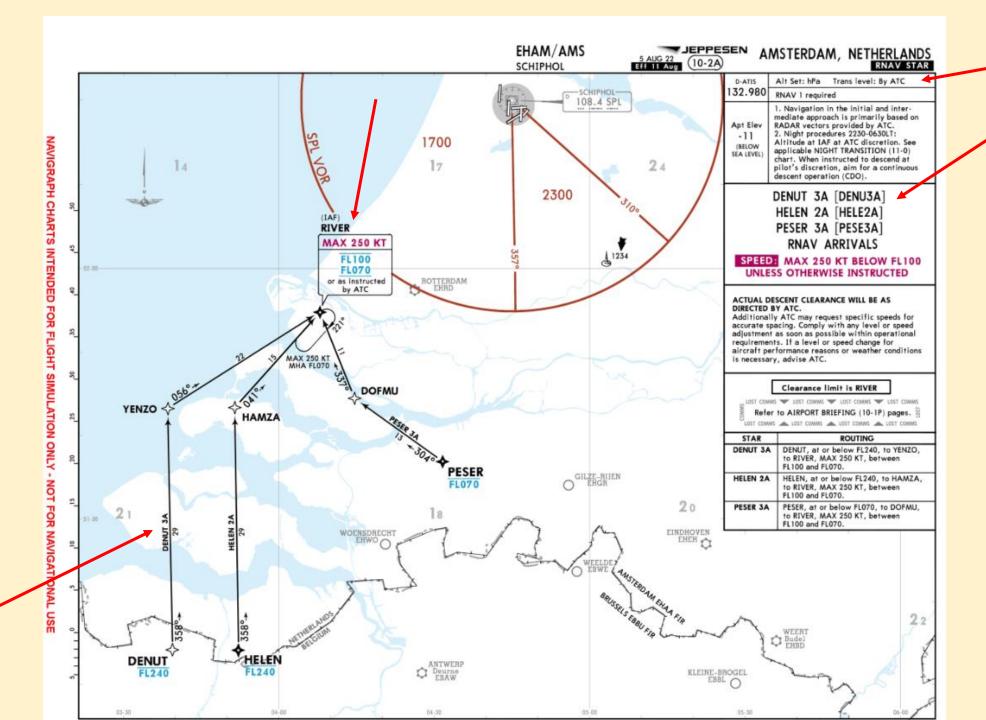
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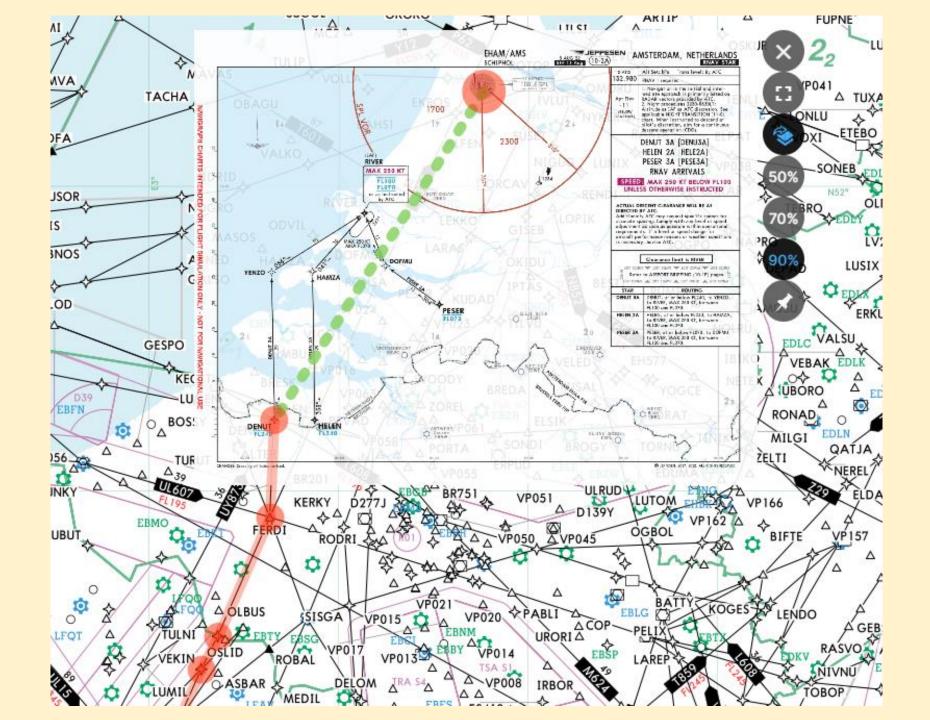
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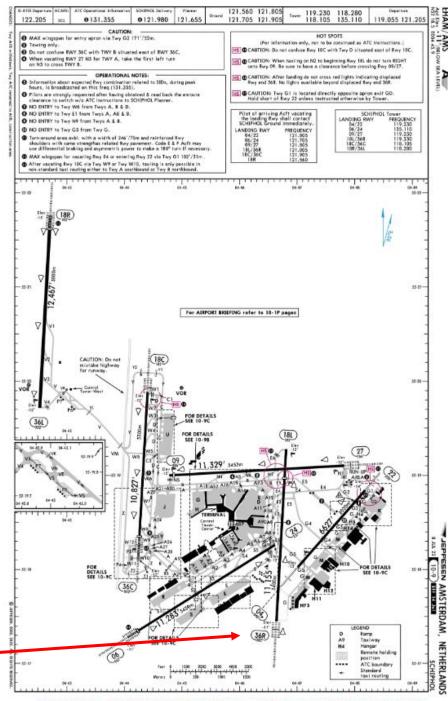
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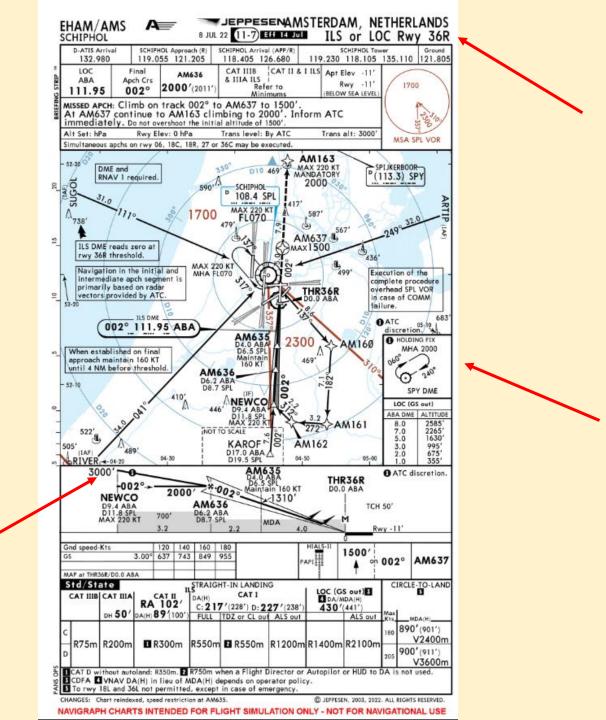
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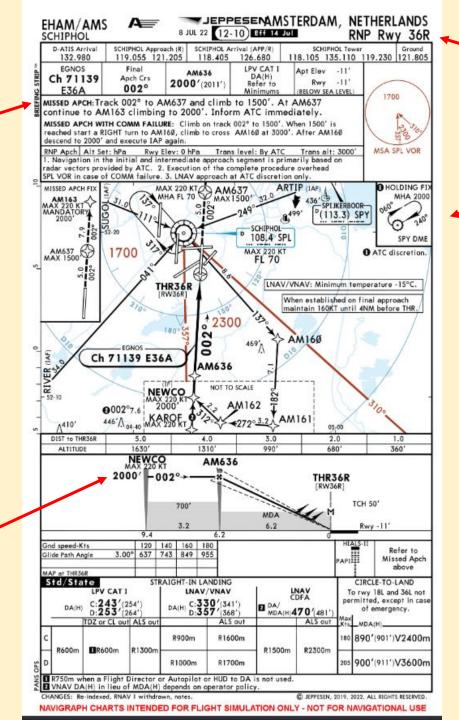
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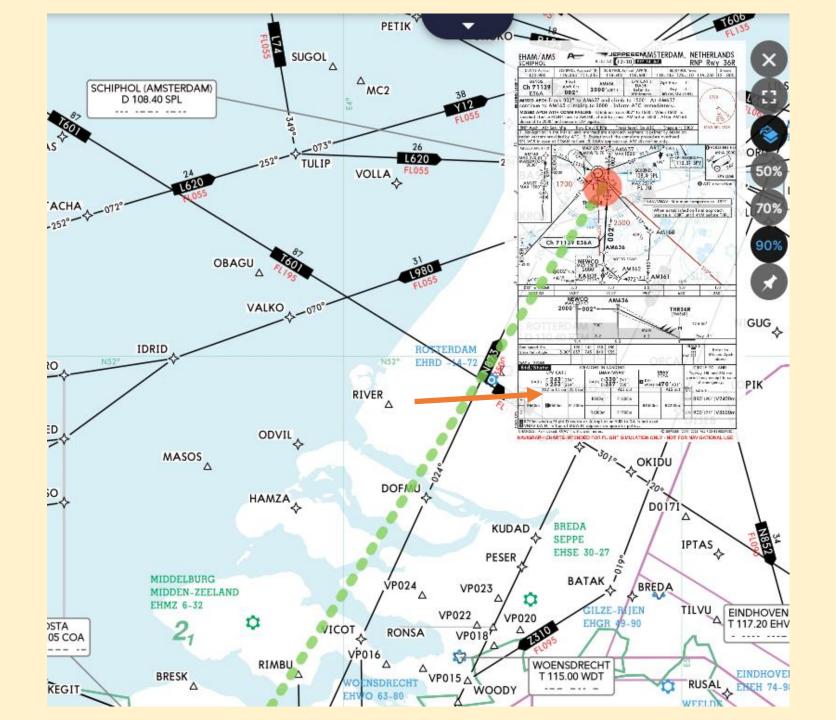
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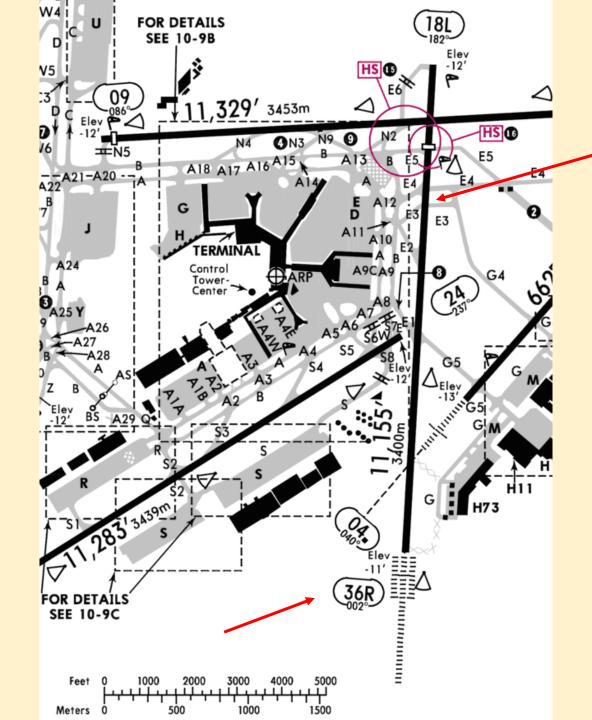
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Corresponding Navigational Databases

The navigational data available via Navdata keeps

- the waypoints and
- the frequencies

in the navigational databases in your flight simulator up to date

So

computations made by your aircraft **Flight Management Computer** displays correspond to the information in the **charts**



Corresponding Navigational Databases

PMDG B737

FMC /CDU

Geladen met Navigraph Data Base





A Unified Virtual Airspace for All

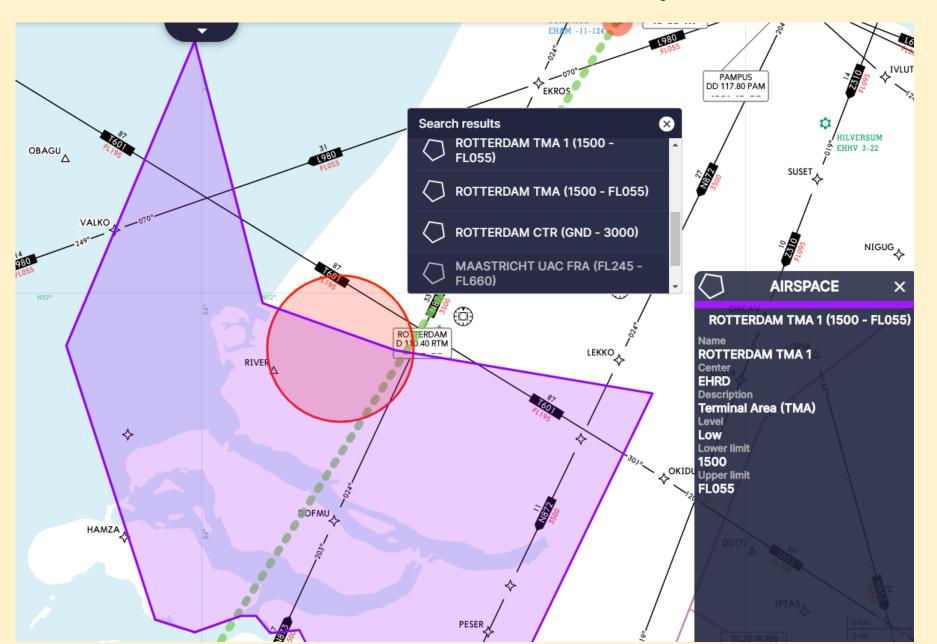
Many third party software developers use Navigraph navigational data.

If you use any Navigraph services, or fly in a networked mode together with other pilots and controllers, you want to use the most recent navigational data corresponding to the latest AIRAC cycle

Everything is in synch and everyone share the same updated virtual airspace.



A Unified Virtual Airspace for All



Explore Airspaces

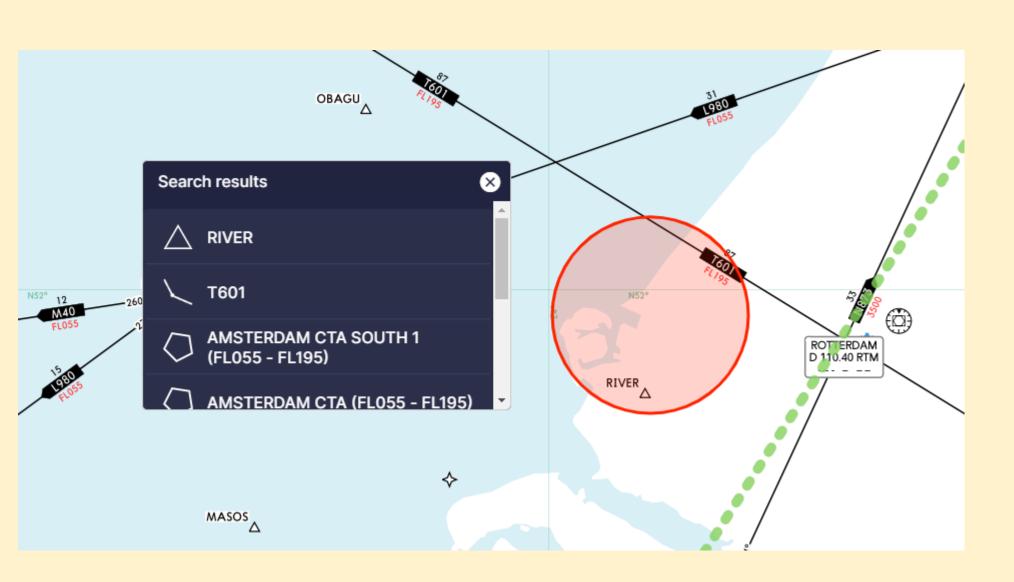
Use interactive enroute chart

click any symbol to find more information about

- airports,
- airways,
- airspaces



A Unified Virtual Airspace for All



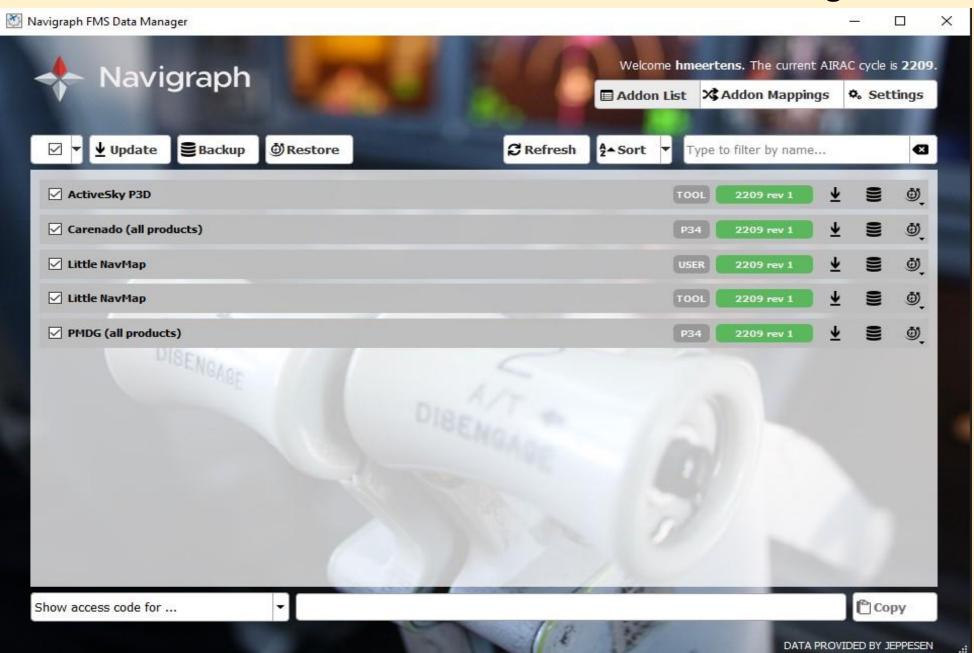
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Download recente ARAC met de FMS Data Manager



Subscriptions

Most Popular

Drie opties van Fsim vluchten

- ☐ In je eentje
- ☐ FSGG VFR met beknopte ATC
- ☐ IVAO met uitgebreide ATC

Navdata

Yearly

Access to Navdata for all major addons, charged annually.

EUR 31.34

Price includes VAT

Navdata

Navigraph Navdata Center Navigraph FMS Data Manager

Navdata for all major addons Navdata for X-Plane and FS2020 Automatic detection of navdatabases Navdata for SimBrief

More features

Ultimate

Monthly

Access to all our products and services with the flexibility of a monthly subscription.

EUR 10.04

Price includes VAT

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Navigraph Navdata Center Navigraph FMS Data Manager

Navdata for all major addons Navdata for X-Plane and FS2020 Automatic detection of navdatabases Navdata for SimBrief

More features

Charts

Navigraph Charts software (Win/Mac/iOS/Android/Web)

Jeppesen Airport Charts
Interactive Enroute Charts
Moving Maps
Route Calculation
Charts API integration with
EFB Integration (PMDG and more)

Ultimate

Yearly

Access to all our products and services to a discounted (25%) yearly price.

EUR 90.63

Price includes VAT

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Navigraph Navdata Center Navigraph FMS Data Manager

Navdata for all major addons Navdata for X-Plane and FS2020 Automatic detection of navdatabases Navdata for SimBrief

More features

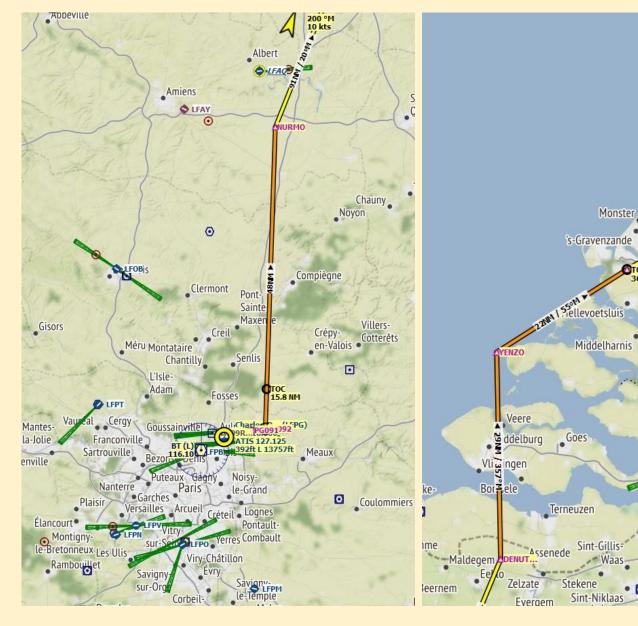
Charts

Navigraph Charts software (Win/Mac/iOS/Android/Web)

Jeppesen Airport Charts
Interactive Enroute Charts
Moving Maps
Route Calculation
Charts API integration with
EFB Integration (PMDG and more)



Corresponding Navigational Databases



Zandvoort*

Oegstgeest Voorhout

Schiedam

Spijkenisse-

Steenbergen

Beveren Antwerpen

Roosendaal

Wuustwezel Brecht

Brasschaat

Ridderkerk

Geertruidenberg

Zundert.

Zwijndrecht

Werkendam

Drimmelen

Hoogstraten

Oosterhout

Goirle

Lille Kasterlee

Ravels

Heemstede

Noordwijk-

Woerden

Lopik

Gelder

Gorinchem

Woudrich

Little Nav Map

VFR charts in Navigraph

Is Navigraph still planning to include VFR charts in Navigraph? Marco

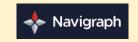
Stephen CTO & Co-Founder Mar 2021

- rebuilding our suite of Charts apps from scratch.
- not just adding VFR Charts.
- adding many VFR features including flightplanning, and many new IFR features, and this would not have been feasible in the old apps which were three separate and quite dated codebases.
- rebuilding now around one common code base for all apps, iOS, Android, Web, Desktop (PC/Mac).

In this way Navigraph will be able to deliver features at a much higher rate, but the initial release will take more time due to the complete rewrite of the platform.

Are looking at the Q2 2022 timeframe for a beta release of the new apps.

Regards, Stephen

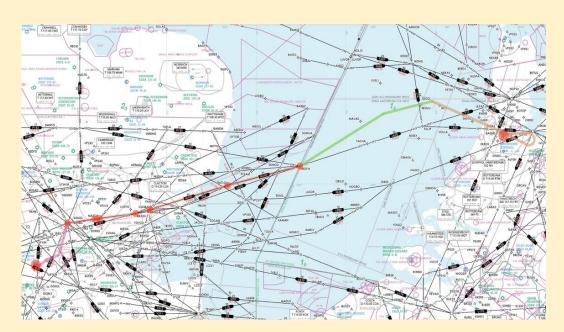


SimBrief.com is a freeware, web-based, flight planning tool that produces accurate briefing packages for flight simulation.

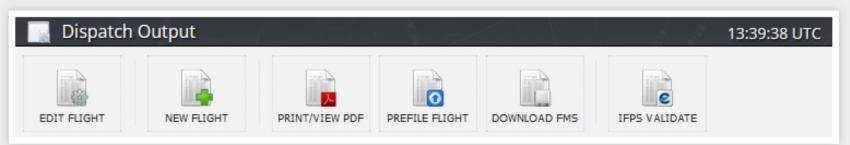
When creating a flight plan using SimBrief, a briefing package similar to those real-world pilots use will be generated.

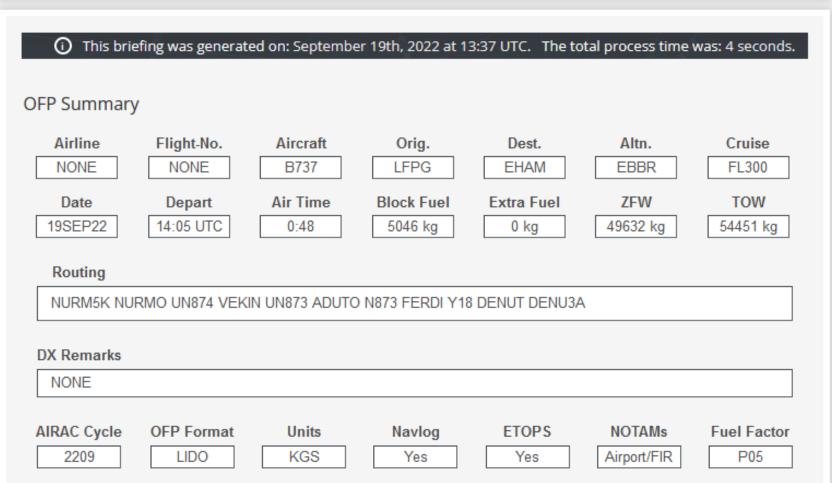
This will provide you with the essential information required to prepare your flight.

















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