



NWR User Guide

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Getting started

Network Weather Resilience (NWR) is a situational awareness web-portal which combines weather data with aviation weather reports and forecast products.

All users have access to a map, weather layers, forecast (report) products, and will be able to set up a list of airports to monitor TAF/METARs. TAFs/METARs can be viewed in summary Red Amber Green (RAG) status view on a map, in full RAG status detail view and in a watch list panel (per user, per login session).

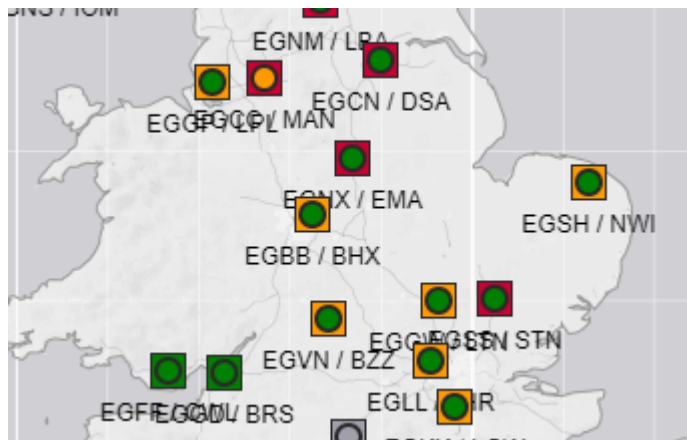
Read the sections below for some more information about NWR Superusers and Standard Users.

Superuser account privileges

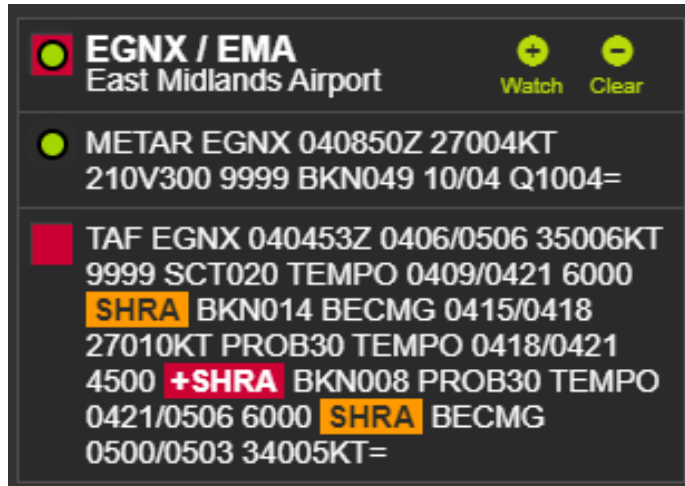
A Superuser will set up NWR to tailor the application to an organisation's needs.

They have administration rights to:

1. Set up the Airport List which populates the NWR Map. The Super User will list the airports which are most important to your organisation's network operations and for monitoring TAF/METAR.



2. Set thresholds to apply a Red Amber Green status appropriate for their organisation's decision making. The RAG status will apply to the METAR/SPECI/TAF reports and weather variables exceeding threshold limits will be highlighted as Amber or Red accordingly.



EGNX / EMA East Midlands Airport Watch Clear

METAR EGNX 040850Z 27004KT
210V300 9999 BKN049 10/04 Q1004=

TAF EGNX 040453Z 0406/0506 35006KT
9999 SCT020 TEMPO 0409/0421 6000
SHRA BKN014 BECMG 0415/0418
27010KT PROB30 TEMPO 0418/0421
4500 **+SHRA** BKN008 PROB30 TEMPO
0421/0506 6000 **SHRA** BECMG
0500/0503 34005KT=

NOTE: an organisation can allocate up to two Superusers, a primary Superuser and an optional back-up Super User.

Standard user account

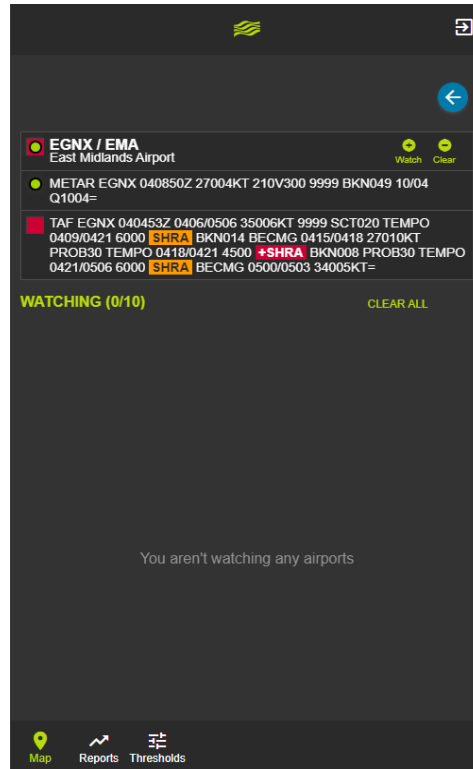
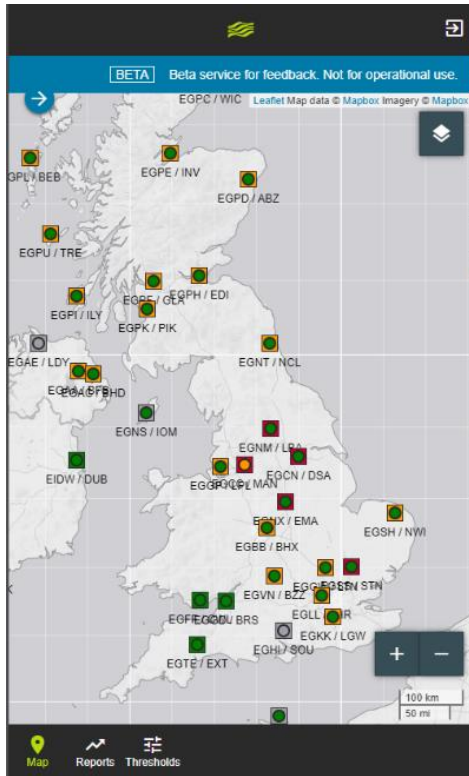
Standard users will not be able to modify the threshold settings using the Manage Thresholds page, but will have access to a read-only version of this page so that they can see what their organisation's threshold settings are.

Standard users will not have access to the Manage Airport List – but can see the airports on the map view.

NWR for mobile

The mobile and tablet version of NWR does not support the Super User features above as they are difficult to use on a small device.

All standard user features are available.



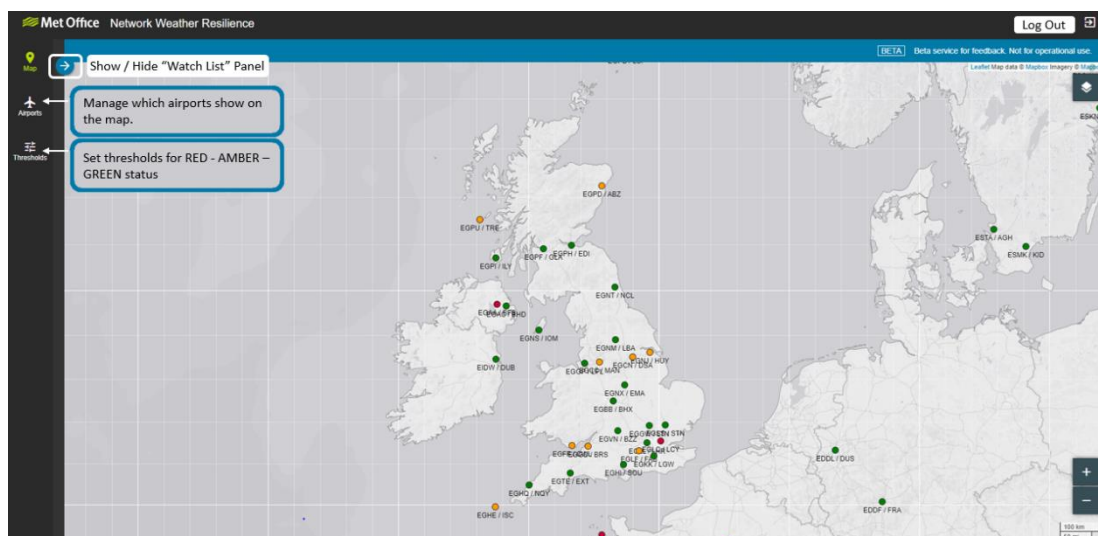
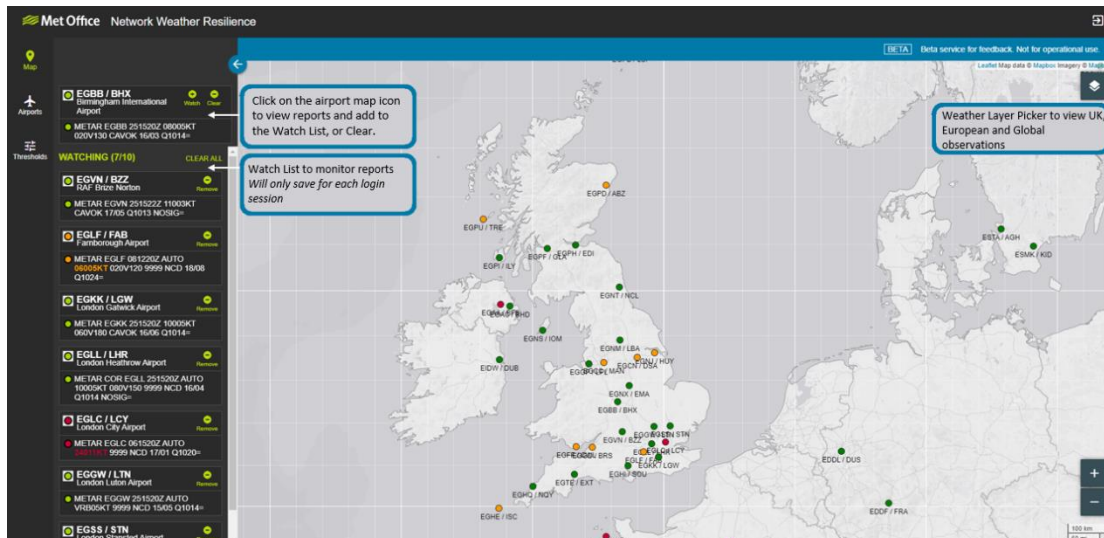
Home screen overview

NWR is a web portal which consists of the following:

- An interactive map which allows you pan, zoom and click-to-view airport weather reports (METAR, SPECI, TAF).
- Create a “Watch List” for monitoring weather reports at important locations, to be set up upon login and unique to the user.

Note: Watch Lists are not stored permanently and will need to be set up for each login session.

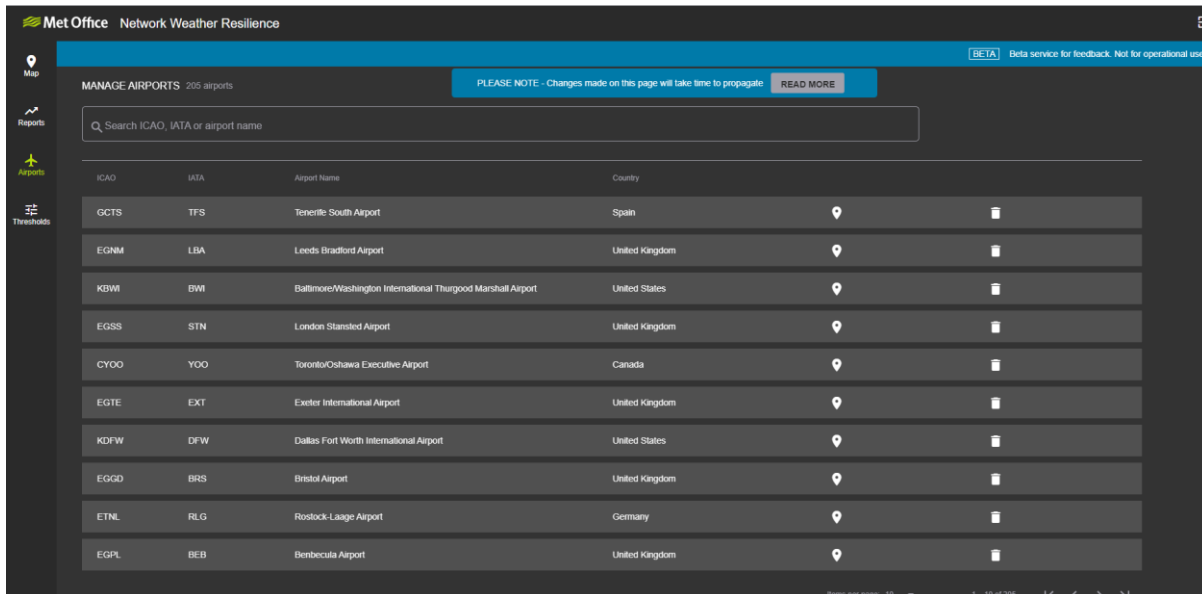
- Apply weather observation layers covering UK, Europe and large parts of the globe.
- The “Watch List” Panel can be hidden for a broader view of the map and weather layers.
- On the left, there are administration pages where a Superuser can set which airports to view on the map and threshold settings for Red Amber Green highlighting (indicating weather risks).



Superuser functionality

Manage Airports page

The Airports page allows you to build a list of airports which are important for network operations, which will be imported onto the NWR map for monitoring.



ICAO	IATA	Airport Name	Country
GCTS	TFS	Tenerife South Airport	Spain
EGNM	LBA	Leeds Bradford Airport	United Kingdom
KBWI	BWI	Baltimore/Washington International Thurgood Marshall Airport	United States
EGSS	STN	London Stansted Airport	United Kingdom
CYOO	YOO	Toronto/Oshawa Executive Airport	Canada
EGTE	EXT	Exeter International Airport	United Kingdom
KDFW	DFW	Dallas Fort Worth International Airport	United States
EGGD	BRS	Bristol Airport	United Kingdom
ETNL	RLG	Rostock-Laage Airport	Germany
EGPL	BEB	Benbecula Airport	United Kingdom

Please be aware:

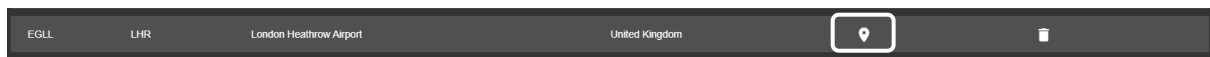
- Only Superusers can view and amend the Manage Airports page, Standard Users will not have access.
- Super User updates to the airport list will take time to propagate - new airports added to the list will appear when the latest TAF/METAR/SPECI has been published. Deleted airports will display No Data, before disappearing after approximately 36 hours. This is explained using the READ MORE button at the top of the screen.
- The Manage Airports Page is not available on mobile devices – Superuser changes must be undertaken on a desktop device.

Sorting the Airport List

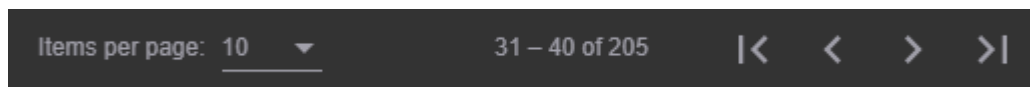
- Sort the list by ascending and descending alphabetical order by clicking directly onto the ICAO, IATA, Airport Name, Country column headings. An arrow will appear to show sorting order:

Country ↑	Country ↓
Argentina	Viet Nam
Australia	Venezuela, Bolivarian Republic of
Australia	United States

- Click on the pin icon to return to the map centered over the selected airport:

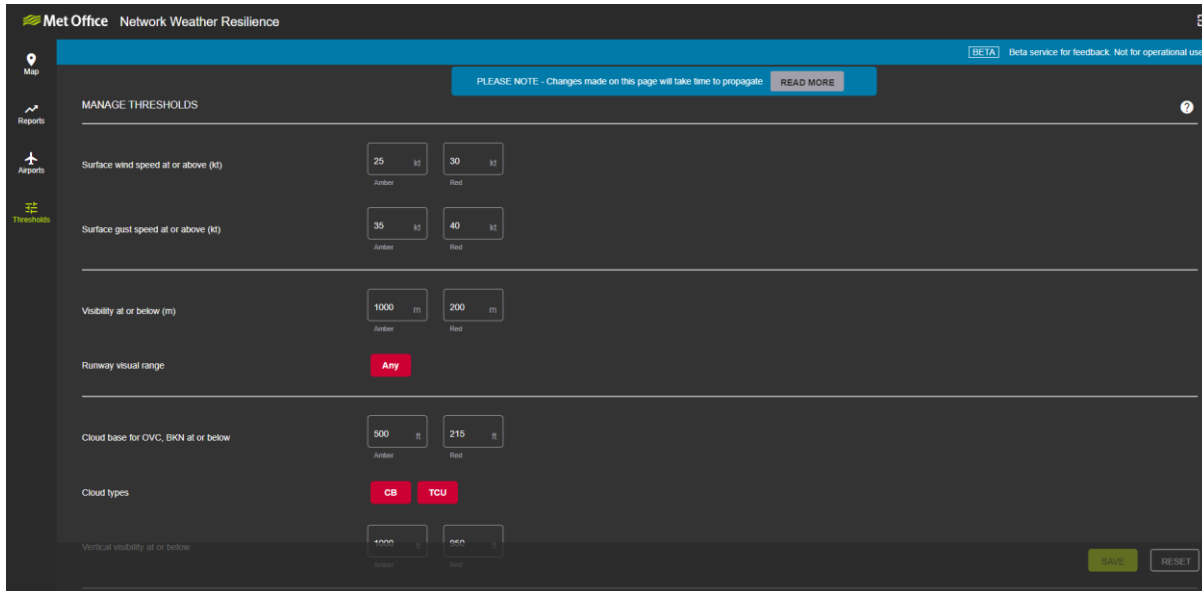


- Find Airport List Navigation in the bottom right hand side of the screen:



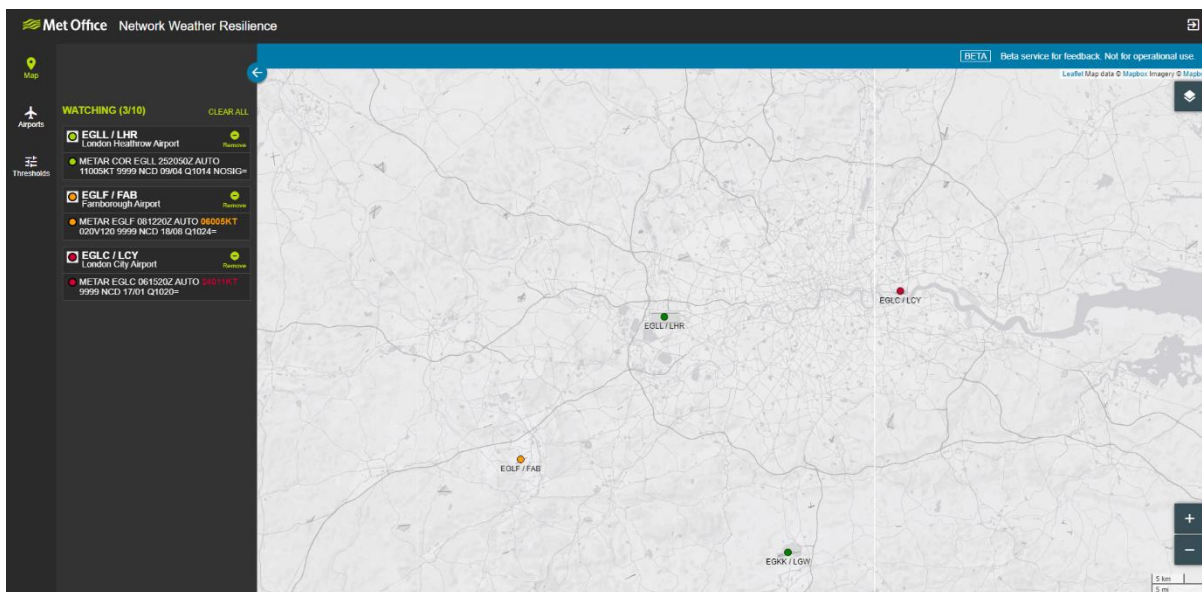
Manage Thresholds page

The Manage Thresholds page allows Super Users to update default settings so that Red Amber Green Status (“RAG” Status) are consistent with operational network decision making.



Please be aware:

- Standard users can read the Threshold Page but will not be able to make modifications. Only the Superuser can modify the Threshold Page on behalf of the organisation.
- On the map, squares indicate the status of a TAF.
- On the map, circles indicate the status of a METAR.
- RED and AMBER highlighting is applied to TAF and METAR reports in the watch list panel.



Highlighting colour coding:

RED	Severe
AMBER	Moderate
GREEN	All clear, no highlighting applied
GREY	Expired or NIL report
WHITE	No Data Available

Setting thresholds:

Set Thresholds by either inputting weather limit values or clicking coloured buttons to scroll through GREEN – AMBER – RED:

Surface wind speed at or above (kt)

10 kt
Amber

35 kt
Red

Surface gust speed at or above (kt)

20 kt
Amber

45 kt
Red

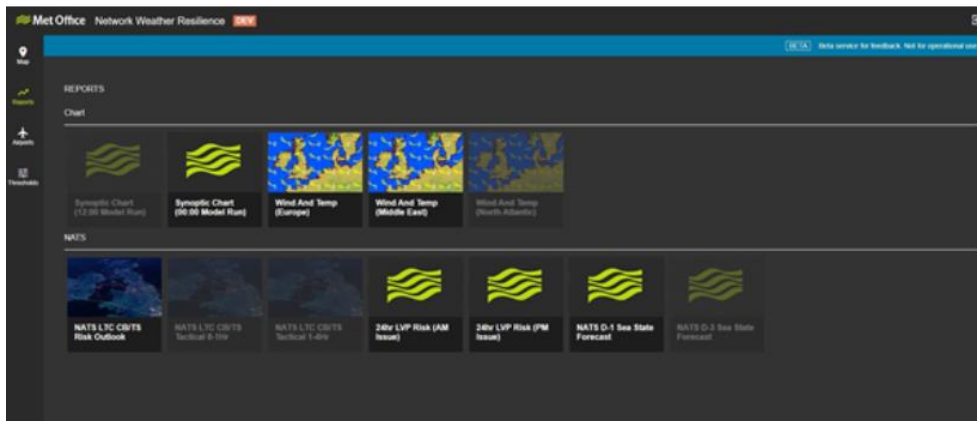


Standard User functionality

- Standard users will not have access to the Airports Page.
- Standard users will be able to read the Thresholds page but will not be able to modify settings. They will contact the Superuser to request modifications.

Reports Page

All users can access the reports page. Clicking on the relevant product will open a new tab where a pdf of the report can be viewed.



General Information

Weather Layers

Weather Layer	Update Interval (Minutes)	Data Type
Visible Satellite	15	Observations
Infra-Red Satellite	15	Observations
Observed Lightning Spherics	5	Observations
Visible Thunderstorms	15	Observations: Visible satellite imagery overlaid with European (OPERA) weather radar and lightning observations
Infrared Thunderstorms	15	Observations: Infrared satellite imagery overlaid with European (OPERA) weather radar and lightning observations
Surface Pressure	12 [hours]	Forecast: Global Weather Forecast Model
Jet Stream	12 [hours]	Forecast: Global Weather Forecast Model

The Weather Layer Picker

In the top right corner, select the layer icon to open the Weather Layer Picker. Select a weather layer and switch between UK, Europe and Global domain by toggling between the options.

