Euroscope Setup - Bremen FIR (EDWW)

Installation Euroscope Package

Recommended Euroscope Version

> The current Euroscope Package of Bremen FIR is tested with **Euroscope version 3.2.3.2**. You may use an other version at your own risk. You can download **Euroscope Version 3.2.3.2** here: https://euroscope.hu/install/EuroScopeSetup.3.2.3.2.msi

Available Packages

Currently, the following Packages are provided for controlling at Bremen FIR:

- **EDWW FIR Package**: Full Download of all settings and plugins as well as current sectorfile.
- **EDWW FIR Package-Update**: Same as the normal package, but excluding local Topsky files such as CPDLC login code and SettingsLocal files. This package is recommended when updating from an older package version to a newer version.
- **EDWW AIRAC**: Only contains the current sectorfile for personal euroscope packages

All official packages can be downloaded here: https://files.aero-nav.com/edww

> There is no download via Euroscope available. When updating, overwrite all existing files in your EDWW Euroscope directory.

Update Information

Whenever the current package is updated, it will be announced on the Vatsim Germany Forums:

https://board.vatsim-germany.org/threads/airac-news.71284/

>

We recommend subscribing to this forum topic to not miss any important announcements!

Plugins and Functions

Topsky Plugin

> Currently used Version in Package: v2.5b15

This plugin simulates a real-life ATC system, called Topsky. It adds a huge amount of functionalities to Euroscope, creating a completely new way of controlling aircraft on the Vatsim Network. It is strongly recommended to read through the Topsky documentation before controlling. Detailed manuals of the plugin can be found in the plugin folder of the EDWW FIR Euroscope package. This page will only cover package-specific settings:

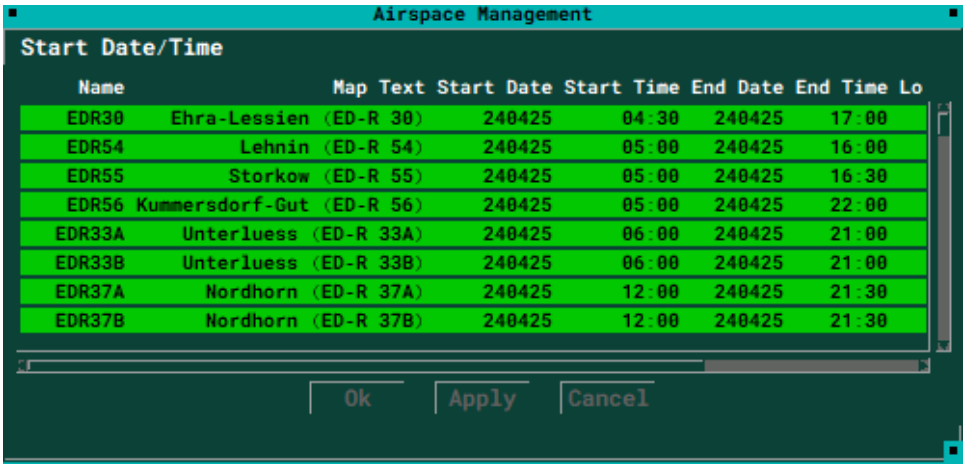
Area Activation/Airspace Management

The Airspace Management window will show up as soon as you start Euroscope (EDWW, EDYY, EDUU only). This is necessary to ensure that all restricted airspaces load up correctly. Restricted airspaces can activate time-based, based on real-world booking schedules (AUP) or when activated by a member of the EDWW Nav Team. Besides that, the virtual controller can adjust any area locally as well.

TRAs and VPAs will only activate automatically when actually booked or used on the Vatsim network. In this case, a member of the EDWW Nav team will activate the booked areas (https://github.com/VATGER-Nav/EDWW-Area-Activation). Usually, the virtual controller will be informed if areas are booked in this thread of the Vatsim Germany Forums: https://board.vatsim-germany.org/threads/area-booking-vatger.67465/. In this case, the virtual controller must activate the "Remote" activation function in the Airspace Management Window.

All other ED-Rs will activate according to the German AIP and AUP.

The Airspace Management Window will also appear when connecting to the Vatsim Network. In all cases, the virtual controller may close the window, as it is usually not required during controlling sessions.



CPDLC/DCL (Datalink)

Topsky adds Datalink functions such as CPDLC and DCL. CPDLC shall only be used when covering EDYY or EDUU sectors. DCL is available at EDDB, EDDH and EDDV only.

It is recommended to save your Hoppie Code in the TopSkyCPDLChoppieCode.txt which can be found in the Topsky plugin folder of the EDWW FIR Euroscope Package. This file will not be overridden when updating our package using the Update Download from AeroNav.

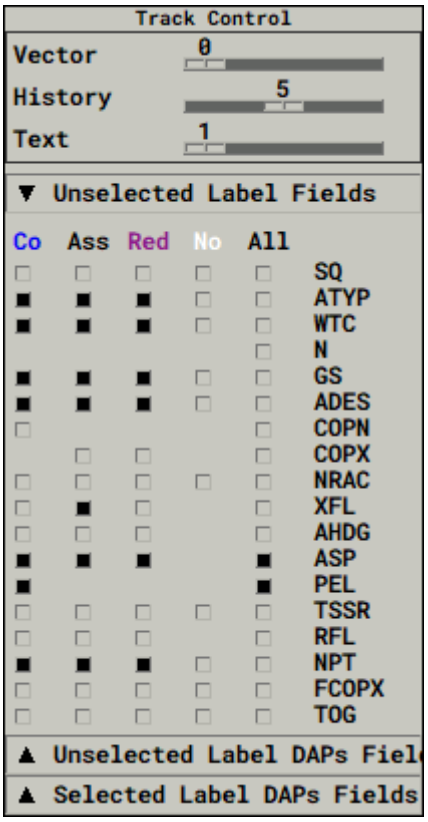
Topsky Local Settings

It is possible to adjust all Topsky settings to your personal preferences. We prepared some useful settings in the TopskySettingsLocal.txt file which can be found in the Topsky directory of the package. This file includes settings like colour settings, radio direction finder and scaling options.

It is also possible to adjust every other Topsky setting. Whenever changing Topsky settings, we recommend saving them in the local settings file, as local settings will not get overridden when updating your packing by using the "Update Package" download. Local Settings always take priority.

Topsky Track Control

For some label/tag items, it is possible to define certain visibility settings. This creates the possibility to configure your tag/label according to your personal preferences. The track control menu can be opened by right-clicking on the Topsky Menu bar and then "Track Control..." > "Unselected Label Fields":



Currently, only the EDUU tag/label can be customized fully. All other labels/tags might not support Topsky's track control.

Predicted Traffic Window

The predicted traffic window helps the virtual controller to better foresee the peak times of sectors. This window will appear as soon as you connect to the Vatsim network. The virtual controller then needs to enter the SI code for the desired sector (e.g. Müritz = MRZ).

Link to plugin: https://forum.vatsim-scandinavia.org/d/34-topsky-plugin-25

Ground Radar Plugin (GRP)

> Currently used Version in Package: v1.5

This plugin simulates a real-life Groundradar Display (SAAB A3000 A-SMGCS) by adding custom tags/labels, lists, maps and many other features and warnings. A detailed manual of the plugin can be found in the plugin folder of the EDWW FIR euroscope package. Here are some of the most important features and functions:

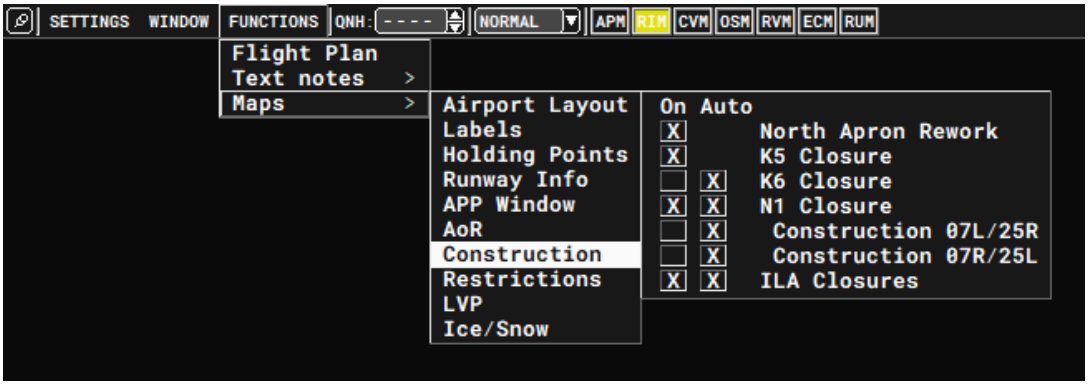
Menu Bar

The menu bar holds all the customizable options of the Ground Radar Plugin. Besides the various warnings and sub-menus, the QNH and LVP modes be seen in the menu bar. Whenever LVP

conditions exist, the virtual controller shall activate the LVP mode to toggle maps (e.g. CAT II/III holding points) and LVP warnings.

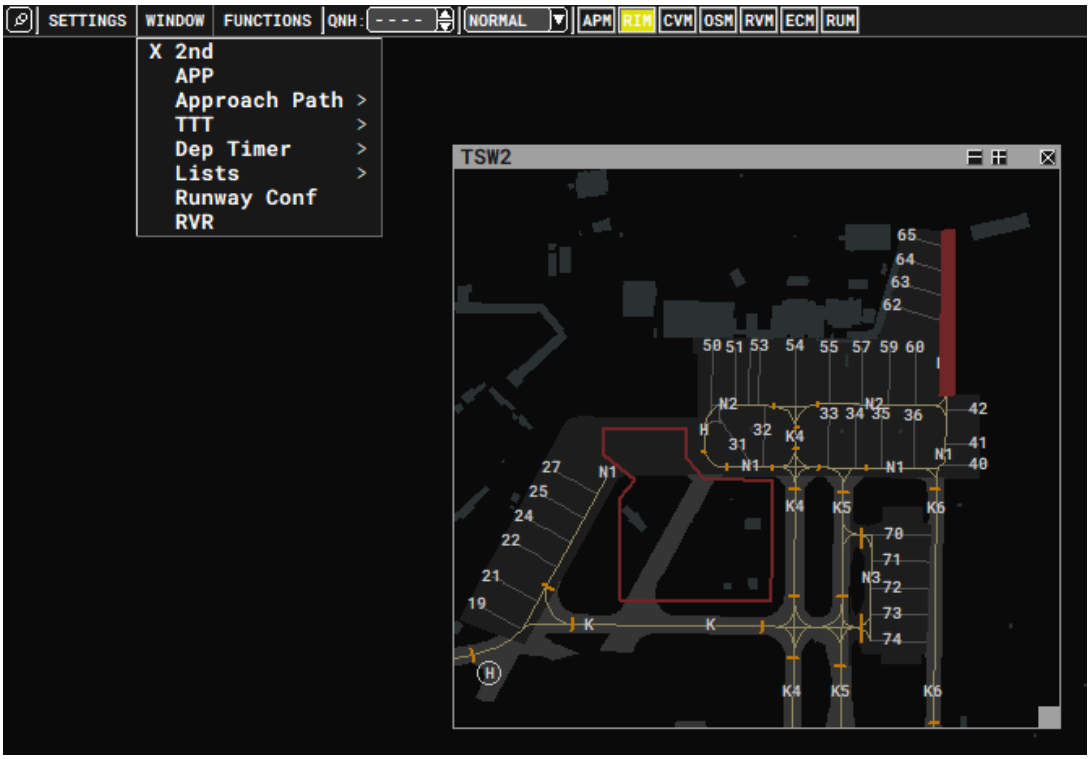
Airport Maps

Airport maps can be toggled on manually or automatically. This adds the possibility to add certain NOTAM maps or other useful information for the virtual controller. All maps may vary depending on the airport/Ground ASR used. You can activate or deactivate maps by clicking on "Functions" then "Maps" in the Ground Radar Plugin Menu Bar:



Second Ground Radar Window

It is possible to open a second ground radar display to observe specific areas of the ground radar more closely. The second ground radar window can be opened by clicking on "Window" then "2nd":



Approach Window

An approach window can be opened to observe approaching and departing aircraft as well as aircraft within the CTR. The approach window can be opened by clicking on "Window" then "APP". Note, that the approach window of GRP shall not replace the TWR radar screen/ASR.

Labels

At most airports, the ground radar labels/tags will only be displayed when departing aircraft are assigned a ground state. For arriving aircraft, the ground radar label/tag can be hidden by setting the parking ground state.

Stand assignment

The ground radar plugin is capable of assigning arrival stands based on aerodrome restrictions and company policies. We strongly recommend using the stands assigned by the ground radar plugin. The assigned stands are visible the the aircraft's tag and in the arrival list.

Link to plugin: https://forum.vatsim-scandinavia.org/d/33-ground-radar-plugin-15/2

vSID Plugin

> Currently used Version in Package: v0.11.1

This plugin will automatically assign a departure runway and SID based on SOP regulations and the aircraft's equipment.

Further information about the usage of the plugin: https://knowledgebase.vatsim-germany.org/books/vsid-plugin/page/vsid-controller-manual

Plugin commands for EDDB and EDDV are available.

CDM Plugin

> Currently used Version in Package: v2.2.4

This plugin adds the possibility to control departure flows by calculating startup and departure times. It can only be used in the Tower profiles (PHX). The CDM plugin is only configured for EDDB and EDDH, as those are the only two airports having the A-CDM process implemented in real life.

Further information about the usage of the plugin: https://dms.vatsim-germany.org/s/odw629qZk5WezPi

Link to plugin: https://github.com/rpuig2001/CDM

Squawk Message/Warning

> Currently used Version in Package: v1.0.1

Created by Vatsim member Pol Eyschen, this plugin displays a message/indicator in the aircraft's labels when squawking a specific transponder code.

The following indications are available in the EDWW FIR package:

Indication	Squawks	Description
NDSSR	1200, 2000, 2200, 0000	Displayed whenever a non-discrete squawk code is used.
V	7000	Used by uncontrolled VFR aircraft (Squawk VFR)
RESCU	0020	Used by rescue helicopters
FOTO	0021	Used during areal photo flights
BPO	0023	Used by the federal police
TFFN	0024	Used by flight within the Night Low Flying System with terrain following
PJE	0025	Used by flights performing Parachute Jumping Exercises (PJE)
POLNL	0026	Used by the police of The Netherlands
ACRO	0027	Used by acrobatic flights
CAL	0030	Used by calibration flights
OPSKY	0031	Used by "Open Skies" flights
VM	0033	Used by uncontrolled military VFR aircraft (Squawk military VFR)
SAR	0034	Used for aircraft on Search and rescue missions
AIRCL	0035	Used for aircraft switching flight rules

POL	0036	Used by police flights
BIV	0037	Used by police flights using night vision systems
FDF	4450	Used of FIS Region/Sector Frankfurt (DF)
FDR	4451	Used of FIS Region/Sector Saarbrücken (DR)
FDS	4452	Used of FIS Region/Sector Stuttgart (DS)
FDM	4453	Used of FIS Region/Sector München (DM)
FDO	4454	Used of FIS Region/Sector München Overload (DO)
TMZ	4471, 4472, 4476, 4477, 4660, 4676,	Used for flights within TMZ (check location regulations for correct transponder code)
CHX4	4473	Used by rescue helicopter Christoph 4 (CHX4)
BALL	4474	Used by balloon flights inside EDDV CTR
UAS	4475	Used by unmanned aircraft inside EDDH, EDDV and EDDW CTR
LIB	4670	Used by police helicopters "Libelle 1" (LIB1) and "Libelle 2" (LIB2)
VDH	4672	Used by Hamburg Tower (EDDH) for VFR flights inside CTR
SSF	4673	TBC
EDHI	4675	Used by Finkenwerder Tower (EDHI) for VFR flights
HL	4675	Used by Lübeck Tower (EDHL) for VFR flights
VOUT	7001	Used for VFR traffic leaving the CTR
VIN	7002	Used for VFR traffic entering the CTR
HELI	7003	Used for helicopters inside the CTR
TWR	7004-7067	Used for VFR traffic inside the CTR
SAR	7377	Used by rescue helicopter Christoph 31 (CHX31)

FDH	7740	Used of FIS Region/Sector Hamburg (DH)
FDB	7741	Used of FIS Region/Sector Berlin (DB)
FDL	7742	Used of FIS Region/Sector Düsseldorf (DL)
FDV	7743	Used of FIS Region/Sector Hannover (DV)
FDC	7744	Used of FIS Region/Sector Dresden (DC)
FSW	7745	Used of FIS Region/Sector Hamburg Overload (SW)

Link to plugin: not available

Arrival Manager (AMAN)

> Currently used Version in Package: v3.2.0

This plugin displays every arrival to a certain airport or fix along a timeline thus enhancing the general overview for pre-planning and capacity/load management. The Arrival Manager is not able to actively pre-sequence traffic.

By default, the plugin is not loaded as only EDDB and EDDH are supported aerodromes. The Arrival Manager can be opened by entering ".aman open" in Euroscope's text line. Thereafter, the controller has to select the desired runway config in the top left of the AMAN menu. AMAN functions as a new Euroscope instance thus enabling it to be moved to another screen. You can close the AMAN in your taskbar.

Link to plugin: https://github.com/EvenAR/euroscope-aman

IASsure

> Currently used Version in Package: v1.5.0

This plugin enables you to directly see the current indicated airspeed and Mach number in the aircraft's label. Natively, Euroscope and Vatsim do not provide such information. All IAS and Mach values are based on calculations, which may become incorrect when pilots are not flying with real-

world and live weather data. Still, this plugin supports the virtual controller immensely.

Link to plugin: https://github.com/MorpheusXAUT/IASsure

CCAMS (Centralised code assignment and management system)

> Currently used Version in Package: v2.4.0

This plugin coordinates all squawk assignments on Vatsim on a centralized server. Therefore, the chance of issuing duplicated squawks is reduced significantly. Furthermore, the plugin supports the assignment of squawk code 1000 taking into account all required Mode-S rules.

Link to plugin: https://github.com/kusterjs/CCAMS

VCH (Virtual Controller Helper)

> Currently used Version in Package: v0.8.4

This plugin supports the controller by adding a reminder function to Euroscope. In the Departure and Startup lists, the virtual controller may select for which type of clearance a pilot is standing by. This enhances overall situational awareness and provides a better overview. Also, this plugin adds a "Cleared to Land Indicator" (CTL) which can be toggled in the aircraft's label by clicking on the actual flight level (AFL).

Note: All indicators and settings are not synchronized with neighbouring controllers.

Link to plugin: https://github.com/DrFreas/VCH

Tags Explanation

EDWW - Bremen Radar Profile

Colors EDWW

Color	State	Meaning
	Assumed Transfer initiated	Track is assumed Track is being transferred to the next controller
	Notified Coordinated	Track will enter the active sector (> 15 min) Track will enter the active sector (< 15 min)
	Unconcerned Redundant	Track will not enter active sector Track has been transferred to the next controller but is still inside the active sector
	Urgency	STCA-, MTCD-Alerts, Equipment-Warnings
	Warning	Risk, APW, not confirmed STAR/SID/RWY
	Information	
	Proposition in/out	Outgoing or incoming coordination requests
	Proposition accepted	Accepted coordination requests

Label EDWW

Untagged Label

CALLSIGN GS

AFL ↓CRC

Item	Name	Description
CALLSIGN	Callsign	--
GS	Groundspeed	--
AFL	Actual Flight Level	--
↓	Descent/Climb Indicator	Only shown when the aircraft is climbing or descending
CRC	Computed Rate of Climb/Descent	Only shown when the aircraft is climbing or descending

Tagged Label

WARNINGS SQI CTL

CALLSIGN WTC GS

AFL ↓CRC CFL RFL

ADES PEL XFL COP AHDG ASP DMACH **DIAS**

Item	Name	Description
WARNINGS	Warnings	Any form of Topsky Warnings (e.g. APW, MTCD, STCA, CLAM, RAM)
SQI	Squawk Indicator	Decodes SQUAWK into an abbreviation to indicate certain flight movements
CTL	Cleared to Land Indicator	Only shown when toggled (right-click on AFL in detailed tag)
CALLSIGN	Callsign	
WTC	Wake-Turbulence Category	Only shown when WTC is not Medium
GS	Groundspeed	
AFL	Actual Flight Level	--
↓	Descent/Climb Indicator	Only shown when the aircraft is climbing or descending

CRC	Computed Rate of Climb/Descent	Only shown when the aircraft is climbing or descending
CFL	Cleared Flight Level	Only shown when CFL does not match AFL
RFL	Requested Final Level	Only shown when changed by the previous sector
ADES	Destination Aerodrome	Only shown when toggled in the detailed tag
PEL	Planned Entry Level	Only shown during coordination
XFL	Planned Exit Level	Only shown during coordination
COP	Coordination Point	Only shown during coordination
AHDG	Assigned Heading	Only shown during coordination
ASP	Assigned Speed	Only shown when assigned
DMACH	Downloaded MACH	Actual MACH of the aircraft is flying (based on calculations), only shown when toggled in the detailed tag
DIAS	Downloaded IAS	Actual IAS of the aircraft is flying (based on calculations)

Detailed Label

Item	Name	Meaning	Left-Click	Right-Click
WARNINGS	Warnings	Any form of Topsky Warnings (e.g. APW, MTCD, STCA, CLAM, RAM)		
SQI	Squawk Indicator	Decodes SQUAWK into an abbreviation to indicate certain flight movements		

CTL	Cleared to Land Indicator	Only shown when toggled (right-click on AFL in detailed tag)		
CALLSIGN	Callsign		Open Topsky Callsign Menu	Open Euroscope Handoff Menu
WTC	Wake-Turbulence Category			Assume/Transfer
FR	Flight Rule Indicator		Open Euroscope F-Plan	Open Euroscope F-Plan
SSR	Transmitted SSR	Transmitted Squawk Code	Auto Assign Squawk	Open Squawk Menu
SI	Sector Indicator	IF assumed: shows next stations indicator / 3 minutes prior sector entry shows next frequency All other states: Shows current unit that has track assumed	Open Next Controller Menu	Toggle SI/frequency
GS	Groundspeed			
AFL	Actual Flight Level			Toggle CTL Indicator
↓	Descent/Climb Indicator	Only shown when the aircraft is climbing or descending		
CRC	Computed Rate of Climb/Descent	Only shown when the aircraft is climbing or descending		
CFL	Cleared Flight Level		Open Topsky CFL/PEL Menu	Open Euroscope CFL Menu
ARC	Assigned Vertical Rate		Open Topsky ARC Menu	Open Euroscope ARC Menu
XFL	Planned Exit/Entry Level	Prior sector entry: Planned Entry Level When tracked: Planned Exit Level	Open PEL/XFL Menu	-
RFL	Requested Final Level		Open Topsky RFL Menu	Open Euroscope RFL Menu

ADES	Destination Aerodrome		Toggle ADES display for tagged label	Open Euroscope F-Plan
COP	Coordination Point	IF assumed: shows exit COP All other states: shows entry COP	Open Topsky Waypoint Menu	Toggle Route Draw
AHDG	Assigned Headings	Only shown during coordination	Open Topsky AHDG Menu	Open Topsky AHDG Menu
TRACK	Current Magnetic Track		Open Topsky AHDG Menu	Open Euroscope AHDG Menu
ATYP	Aircraft Type		Open Communications Menu	Open Topsky F-Plan
ASP	Assigned Speed		Open Topsky ASP Menu	Open Euroscope ASP Menu
AHDG	Assigned Headings	Euroscope Heading Draw available	Open Topsky AHDG Menu	Open Euroscope AHDG Menu
STAR	Planned Arrival Route	Turns green when selected again --> confirmed	Open Euroscope STAR Menu	Open Euroscope STAR Menu
ARWY	Planned Arrival Runway	Turns green when selected again --> confirmed	Open Euroscope RWY Menu	Open Euroscope RWY Menu
STAND	Planned Arrival Stand	Only shown when stand is assigned to aircraft	Open GRP Stand Menu	
DIAS	Downloaded IAS	Actual IAS of the aircraft is flying (based on calculations)		Open GRP Stand Menu
DMACH	Downloaded MACH	Actual MACH of the aircraft is flying (based on calculations), only shown above FL245		Toggle DMACH display
RMK	Scratchpad / Remarks		Edit Scratchpad	Edit Scratchpad

EDYY - Maastricht Radar Profile

Colors EDYY

Color	State	Meaning
	Assumed Transfer initiated	Track is assumed Track is being transferred to the next controller
	Notified Coordinated Redundant	Track will enter the active sector (> 15 min) Track will enter the active sector (< 15 min) Track has been transferred to the next controller but is still inside the active sector
	Unconcerned	Track will not enter active sector
	Urgency Warning	STCA-, MTCD-Alerts, Equipment-Warnings Risk, APW
	Information	
	Proposition in/out	Outgoing or incoming coordination requests
	Proposition accepted	Accepted coordination requests

Label EDYY

Untagged Label

Item	Name	Description
AFL	Actual Flight Level	--
↓	Descent/Climb Indicator	Only shown when the aircraft is climbing or descending

Tagged Label

Item	Name	Description
WARNINGS	Warnings	Any form of Topsky Warnings (e.g. APW, MTCD, STCA, CLAM, RAM)
RMK	Scratchpad / Remarks	Only shown when text is in the scratchpad
CALLSIGN	Callsign	
SI	Sector Indicator	IF assumed: shows next stations indicator / 3 minutes prior sector entry shows next frequency All other states: Shows current unit that has track assumed
ATYP	Aircraft Type	Only shown when toggled in the detailed tag
WTC	Wake-Turbulence Category	Only shown when WTC is not Medium or when toggled in the detailed tag
AFL	Actual Flight Level	
↓	Descent/Climb Indicator	Only shown when the aircraft is climbing or descending
CRC	Computed Rate of Climb/Descent	Only shown when the aircraft is climbing or descending
ARC	Assigned Rate of Climb/Descent	Only shown when assigned
CFL	Cleared Flight Level	Only shown when CFL does not match AFL CFL = PEL when aircraft is prior sector entry
COP	Coordination Point	Only shown during coordination
GS	Groundspeed	
ASP	Assigned Speed	Only shown when assigned

XFL	Planned Exit Level	Only shown during coordination
ADES	Destination Aerodrome	Only shown when toggled in detailed tag (not assumed) or when the tag is assumed
DMACH	Downloaded MACH	Actual MACH of the aircraft is flying (based on calculations), only shown when toggled in the detailed tag
DIAS	Downloaded IAS	Actual IAS of the aircraft is flying (based on calculations), only shown when toggled in the detailed tag
DHDG	Downloaded Heading	Only shown when toggled in the detailed tag

Detailed Tag

Item	Name	Meaning	Left-Click	Right-Click
WARNINGS	Warnings	Any form of Topsky Warnings (e.g. APW, MTCD, STCA, CLAM, RAM)		
RMK	Scratchpad / Remarks	Only shown when text is in the scratchpad	Edit Scratchpad	Edit Scratchpad
CALLSIGN	Callsign		Open Topsky Callsign Menu	Open Euroscope Handoff Menu
SSR	Transmitted SSR	Transmitted Squawk Code	Auto Assign Squawk	Open Squawk Menu

SI	Sector Indicator	IF assumed: shows next stations indicator / 3 minutes prior sector entry shows next frequency All other states: Shows current unit that has track assumed	Open Next Controller Menu	Assume/Transfer
ATYP	Aircraft Type		Edit Scratchpad	Open Communications Menu
WTC	Wake-Turbulence Category		Open Squawk Menu	Toggle WTC display
AFL	Actual Flight Level		Open Topsky CFL menu	Toggle Route Draw
↓	Descent/Climb Indicator	Only shown when the aircraft is climbing or descending	Open Topsky ARC Menu	
CRC	Computed Rate of Climb/Descent	Only shown when the aircraft is climbing or descending	Open Topsky ARC Menu	
CFL	Cleared Flight Level		Open Topsky CFL Menu	Open Euroscope CFL Menu
ARC	Assigned Rate of Climb/Descent		Open Topsky ARC Menu	
XFL	Planned Exit/Entry Level	Prior sector entry: Planned Entry Level When tracked: Planned Exit Level	Open PEL/XFL Menu	Open Topsky RFL Menu
RFL	Requested Final Level		Open Topsky RFL Menu	Open Euroscope RFL Menu
GS	Groundspeed		Open Topsky ASP Menu	Toggle GS display
COP	Coordination Point	IF assumed: shows exit COP All other states: shows entry COP	Open Topsky Waypoint Menu	Toggle Route Draw
ASP	Assigned Speed		Open Topsky ASP Menu	Open Euroscope ASP Menu
ADES	Destination Aerodrome		Open Euroscope F-Plan	Toggle ADES display
RMK	Scratchpad / Remarks		Edit Scratchpad	

AHDG	Assigned Heading	Euroscope Heading Draw available	Open Topsky AHDG Menu	Open Topsky Waypoint Menu
DMACH	Downloaded MACH	Actual MACH of the aircraft is flying (based on calculations), only shown above FL245		Toggle DMACH display
DIAS	Downloaded IAS	Actual IAS of the aircraft is flying (based on calculations)		Toggle DIAS display
DHDG	Downloaded Heading			Toggle DHDG display
TRACK	Current True Track			

EDUU - Rhein Radar Profile

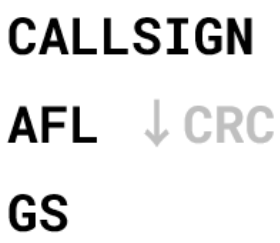
Colors EDUU

Color	**State**	**Meaning**
	Assumed Transfer initiated	Track is assumed Track is being transferred to the next controller
	Notified Coordinated	Track will enter the active sector (> 15 min) Track will enter the active sector (< 15 min)
	Redundant	Track has been transferred to the next controller but is still inside the active sector
	Unconcerned	Track will not enter active sector
	Urgency	STCA-, MTCD-Alerts, Equipment-Warnings
	Warning	Risk, APW, not confirmed STAR/SID/RWY
	Information	

	Proposition in/out	Outgoing or incoming coordination requests
	Proposition accepted	Accepted coordination requests

Label EDUU

Untagged Label



Item	Name	Description
CALLSIGN	Callsign	--
AFL	Actual Flight Level	--
↓	Descent/Climb Indicator	Only shown when the aircraft is climbing or descending
CRC	Computed Rate of Climb/Descent	Only shown when the aircraft is climbing or descending
GS	Groundspeed	

Tagged Label

Item	Name	Description

WARNINGS	Warnings	Any form of Topsky Warnings (e.g. APW, MTCD, STCA, CLAM, RAM)
RMK	Scratchpad / Remarks	Only shown when text is in the scratchpad
CALLSIGN	Callsign	
SI	Sector Indicator	IF assumed: shows next stations indicator / 3 minutes prior sector entry shows next frequency All other states: Shows current unit that has track assumed
ATYP	Aircraft Type	--
WTC	Wake-Turbulence Category	Only shown when WTC is not Medium
AFL	Actual Flight Level	--
↓	Descent/Climb Indicator	Only shown when the aircraft is climbing or descending
CRC	Computed Rate of Climb/Descent	Only shown when the aircraft is climbing or descending
ARC	Assigned Rate of Climb/Descent	Only shown when assigned
CFL	Cleared Flight Level	Only shown when CFL does not match AFL
COP	Coordination Point	Only shown during coordination
GS	Groundspeed	
ASP	Assigned Speed	Only shown when assigned
NPT	Next Waypoint	
XFL	Planned Exit Level	Only shown when applicable
ADES	Destination Aerodrome	
PEL	Planned Entry Level	Only shown when applicable
NSSR	Assigned SSR Code	Only shown if NSSR is not same as TSSR
DIAS	Downloaded IAS	Actual IAS of the aircraft is flying (based on calculations), only shown when toggled in the detailed tag
DMACH	Downloaded MACH	Actual MACH of the aircraft is flying (based on calculations), only shown when toggled in the detailed tag

Detailed Label

WARNINGS RMK

CALLSIGN SI ATYP WTC +

AFL ↓CRC **ARC CFL** COP

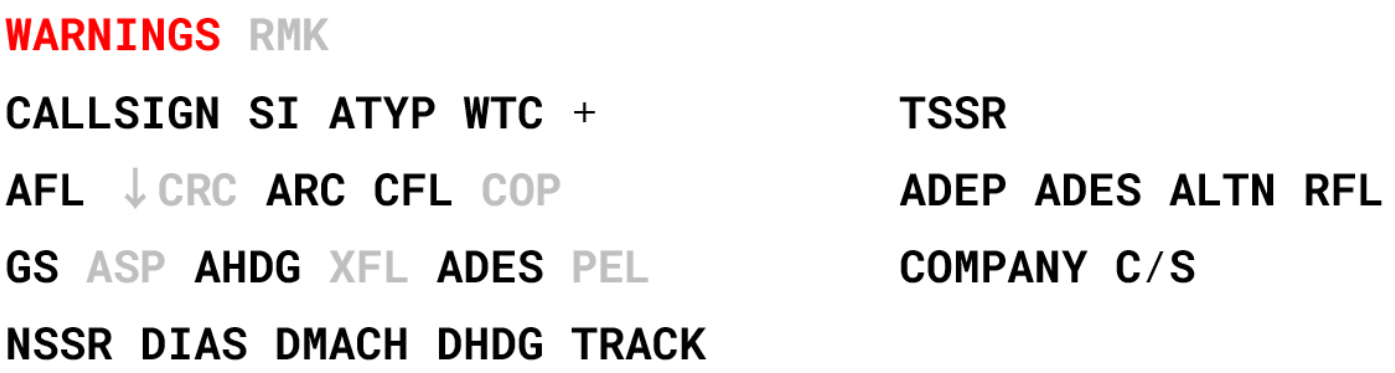
GS ASP **AHDG** XFL **ADES** PEL

NSSR DIAS DMACH DHDG TRACK

Item	Name	Meaning	Left-Click	Right-Click
WARNINGS	Warnings	Any form of Topsky Warnings (e.g. APW, MTCD, STCA, CLAM, RAM)		
RMK	Scratchpad / Remarks	Only shown when text is in the scratchpad	Edit Scratchpad	Edit Scratchpad
CALLSIGN	Callsign		Open Topsky Callsign Menu	Toggle Route Draw
SI	Sector Indicator	IF assumed: shows next stations indicator / 3 minutes prior sector entry shows next frequency All other states: Shows current unit that has track assumed	Open Next Controller Menu	Assume/Transfer
ATYP	Aircraft Type		Edit Scratchpad	Open Communication Type Menu
WTC	Wake-Turbulence Category		Toggle WTC highlight	Auto Assign Squawk
+	Extended Label Marker		Open Extended Label	
AFL	Actual Flight Level		Open Topsky CFL Menu	Open Topsky RFL Menu
↓	Descent/Climb Indicator	Only shown when the aircraft is climbing or descending		

CRC	Computed Rate of Climb/Descent	Only shown when the aircraft is climbing or descending	Open Topsky ARC Menu	Clear ARC Value
ARC	Assigned Rate of Climb/Descent		Open Topsky ARC Menu	Clear ARC Value
CFL	Cleared Flight Level		Open Topsky CFL/PEL Menu	Open Topsky ARC Menu
COP	Coordination Point		Open Topsky Waypoint Menu	Toggle Route Draw
GS	Groundspeed		Open Topsky ASP Menu	Clear ASP Value
ASP	Assigned Speed	Only shown when assigned	Open Topsky ASP Menu	Clear ASP Value
AHDG	Assigned Heading		Open Topsky AHDG Menu	Open Topsky Waypoint Menu
XFL	Planned Exit Level	Only shown when applicable	Open Euroscope XFL Menu	Open Topsky RFL Menu
ADES	Destination Aerodrome		Open Topsky F-Plan	Auto Assign Squawk
PEL	Planned Entry Level	Only shown when applicable	Open Euroscope PEL Menu	
NSSR	Assigned SSR Code	Only shown if NSSR is not same as TSSR		
DIAS	Downloaded IAS	Actual IAS of the aircraft is flying (based on calculations)	Toggle DIAS	Toggle DIAS
DMACH	Downloaded MACH	Actual MACH of the aircraft is flying (based on calculations), only shown above FL245	Toggle DMACH	Toggle DMACH
DHDG	Downloaded Heading			
TRACK	True Ground Track			

Extended Label



Item	Name	Meaning	Left-Click	Right-Click
TSSR	Transmitted SSR	Transmitted Squawk Code	Auto Assign Squawk	Open Topsky Squawk Menu
ADEP	Departure Aerodrome			
ADES	Destination Aerodrome			
ALTN	Alternate Aerodrome			
RFL	Requested Final Level		Open Topsky RFL Menu	
COMPANY C/S	Company Callsign			

Lists Explanation

This page explains the most commonly used Euroscope lists of the EDWW FIR Euroscope Package. All lists (except Sector List) can be activated by clicking on the "Quick SET" option of Euroscope.

Definitions in grey (see tables below) are not displayed by default but can be activated by clicking on the little "F" of each list. The same principle applies when deactivating columns which are displayed by default.

Sector List

C/S	ATYP	ADEP	ETN	COPN	PEL	ADES	ETX	COPX	XFL	CFL	RFL	DCT	SI	STND
LHA12AK	A320/M	EDDM				EFHK	0843	BODLA	320	320	320	BODLA		
WZZ44	A320/M	EPKK				ENZV	0845	COPX	380	380	380			
LHA8601*	AT76/M	ESMS	0840	SALLO	210	EDDP	0910	SISGO	160	210	210			
AUA562	A320/M	LOWW	0844	COPN	300	EKCH	0907	KOSEB	200	300	300			

The Sector List is used in the Bremen Radar profile. To use this list in the Rhein Radar and Maastricht Radar profile, in the Topsky Menu bar click on "Tools" > "Flight Plan Lists" > "Sector List...".

List Item	Description	Left click	Right click
ASSR	Assigned Squawk Code	Assign Squawk	--
FR	Flight Rule Indicator	--	--
C/S	Callsign	Open Callsign Menu	Toggle Route Draw
C	Communication Type Indicator	Change Communication Type	--
AYTP	Aircraft Type + WTC	--	--
ADEP	Departure Aerodrome	Open Flight Plan	--
ETN	Estimated Time of Sector Entry	--	--
COPN	Sector Entry Waypoint	Open Waypoint Coordination Menu	--
PEL	Planned Sector Entry Level	Open PEL Coordination Menu	--

ADES	Destination Aerodrome	Open Flight Plan	--
ETX	Estimated Time of Sector Exit	--	--
COPX	Sector Exit Waypoint	Open Waypoint Coordination Menu	Open Waypoint Menu
XFL	Sector Exit Level	Open XFL Coordination Menu	--
CFL	Cleared Flight Level	Open CFL Menu	Open RFL Menu
RFL	Requested Final Level	Open RFL Menu	Open RFL Menu
AHDG	Assigned Heading	Open AHDG Menu	Open Waypoint Menu
STAR	Assigned STAR	Open STAR Menu	--
RWY	Assigned Arrival Runway	Open Runway Menu	--
SI	Next Sector Indicator	Open SI Menu	--
STND	Planned Arrival Stand	Open Stand Menu	Open Stand Menu

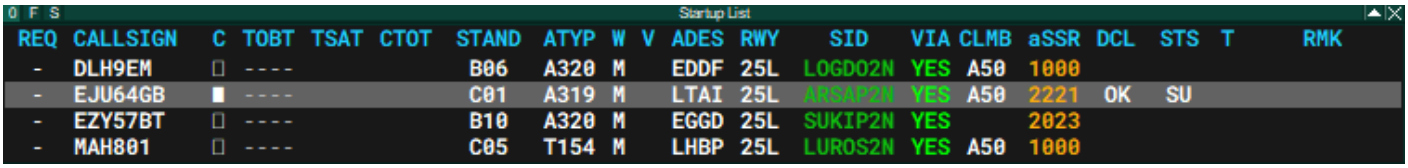
Departure List

Note: When using the Bremen Radar Profile, the ADEP column is also displayed by default.

List Item	Description	Left click	Right click
TIMER	Pending Request Time	--	--
REQ	Pending Request	Open Request Menu	--
CALLSIGN	Callsign	Open Callsign Menu	Toggle Route Draw
TOBT	Target Off-Block Time (CDM)	Set Ready TOBT Status	Open TOBT Menu
TSAT	Target Start-Up Time (CDM)	--	Open CDM Menu
CTOT	Calculated Takeoff Time (CDM)	Open CTOT Menu	Get ECFMP FM as text

STAND	Departure Stand	--	--
ATYP	Aircraft Type	Edit Scratchpad (Remarks)	Open Communication Type Menu
W	WTC highlight	Toggle WTC highlight	--
V	Flight Rules Indicator	--	--
ADEP	Departure Aerodrome	Open Flight Plan	Open Flight Plan
ADES	Destination Aerodrometne	Open Flight Plan	Open Flight Plan
RWY	Assigned Departure Runway	Open Runway Menu	Open Euroscope SID menu
SID	Assigned SID	Confirm proposed runway	Open SID Menu
CLMB	Cleared Level	Open CFL Menu	Open CFL Menu
RFL	Requested Final Level	Open RFL Menu	Open RFL Menu
aSSR	Assigned Squawk	Auto Assign Squawk	Open Squawk Menu
DCL	Datalink Clearance Indicator	Open DCL Menu	--
C	Clearance Received Flag	Set Clearance Received Flag	--
STS	Ground State	Open Ground State Menu	Open Ground State Menu
T	Communication Type Indicator	Open Communication Type Menu	Open Communication Type Menu
RMK	Scratchpad / Remarks	Edit Scratchpad (Remarks)	Edit Scratchpad (Remarks)

Startup List



By default the Start-Up List is disabled. Especially when working Delivery during events it is recommended to use the Startup list as traffic with taxi, lineup or takeoff ground states are filtered out. To display the Start-Up List click on the "Quick SET" menu in Euroscope, then on "Show Startup

List".

List Item	Description	Left click	Right click
TIMER	Pending Request Time	--	--
REQ	Pending Request	Open Request Menu	--
CALLSIGN	Callsign	Open Callsign Menu	Assume/Transfer
C	Clearance Received Flag	Set Clearance Received Flag	--
TOBT	Target Off-Block Time (CDM)	Set Ready TOBT Status	Open TOBT Menu
TSAT	Target Start-Up Time (CDM)	--	Open CDM Menu
CTOT	Calculated Takeoff Time (CDM)	Open CTOT Menu	Get ECFMP FM as text
STAND	Departure Stand	--	Open Stand Menu
ATYP	Aircraft Type	Edit Scratchpad (Remarks)	Open Communication Type Menu
W	WTC highlight	Toggle WTC highlight	--
V	Flight Rules Indicator	--	--
ADES	Destination Aerodromeme	Open Flight Plan	Open Flight Plan
RWY	Assigned Departure Runway	Open Runway Menu	Open Euroscope SID menu
SID	Assigned SID	Confirm proposed runway	Open SID Menu
CLMB	Cleared Level	Open CFL Menu	Open CFL Menu
RFL	Requested Final Level	Open RFL Menu	Open RFL Menu
aSSR	Assigned Squawk	Auto Assign Squawk	Open Squawk Menu
DCL	Datalink Clearance Indicator	Open DCL Menu	Set Clearance Received Flag
STS	Ground State	Open Ground State Menu	Open Ground State Menu
T	Communication Type Indicator	Open Communication Type Menu	Open Communication Type Menu

RMK	Scratchpad / Remarks	Edit Scratchpad (Remarks)	Edit Scratchpad (Remarks)

Shortcuts and Aliases

Shortcuts

ASR Shortcuts Euroscope

- F1 + 1 = Base ASR (EDWW/UU/YY and TWR)
- F1 + 2 = EDDB GND ASR
- F1 + 3 = EDDH GND ASR
- F1 + 4 = EDDV GND ASR
- F1 + 5 = EDDW GND ASR
- F1 + 6 = EDXW GND ASR
- F1 + 7 = EDHL GND ASR
- F1 + 8 = EDVK GND ASR
- F1 + 9 = EDAH GND ASR

> For aerodromes where no ASR shortcut is available, the ASR may be opened by clicking on "Open SCT" > "Open ...", then select the required ASR in the EDWW > ASR folder. ASR are available for EDVE, EDHI, ETHB, ETHC, ETHS, ETND, ETNH, ETNL, ETNS, ETNT, ETNW, ETSH.

General Topsky Shortcuts

- ALT + Q = Start new QDM Line
- ALT + X = Remove all QDM Lines
- ALT + S = Start new Min. Separation Line
- ALT + F = Open Flight Plan Window of Selected Flight
- ALT + U = Toggle Quick Look (disables currently applied filters)
- ALT + L = Toggle Route Draw of Selected Aircraft for 5 Seconds

Topsky Shortcuts - Bremen Radar Profile

- ALT + M = Toggle MVA Map
- ALT + V = Toggle VFR Map
- ALT + A = Toggle Airspace Levels Map (Airspace C, D and TMZ)
- ALT + F = Toggle FIS Region and Squawk Map

- ALT + K = Toggle Coast Map
- ALT + N = Toggle All Enroute Fixes Map
- ALT + D = Toggle Tactical Directs Map (only available when connected)
- ALT + C = Toggle Sector Map
- ALT + B = Toggle Upper Sectors EDYY/EDUU

Topsky Shortcuts - Tower (PHX) Profile

- ALT + H = Toggle Heliport Map
- ALT + T = Toggle Topography Labels Map
- ALT + V = Toggle VRP Labels Map
- ALT + M = Toggle MVA Map

Topsky Shortcuts - Maastricht Radar Profile

- ALT + D = Toggle Tactical Directs Map
- ALT + B= Toggle Lower Sector Map

Topsky Shortcuts - Rhein Radar Profile

- ALT + D = Toggle Tactical Directs Map
- ALT + N = Toggle Fix Label Map

Aliases

General Aliases

There are many aliases available for almost every movement. These aliases are similar across VATGER. The alias definitions can be seen **here**.

Aliases EDWW FIR

Furthermore, there are FIR specific aliases available:

Coordination aliases:

- .CAR Approval request $1, $aircraft DCT $2.
- .CARAC Approval request for airspace crossing $aircraft, $1.
- .CARACC Approval request for airspace crossing $aircraft, $1, climb up to $2.
- .CARACD Approval request for airspace crossing $aircraft, $1, descending down to $2.
- .CARAT Approval request for additional traffic, $aircraft $1.
- .CARS Approval request $1, $aircraft and $2, $3 NM spacing, $4.
- .CEDAH Hello, approval request for airspace crossing, $aircraft, position $1, approaching EDAH RWY28, expected approach time $2.
- .CRLT Request release for left turns $aircraft.
- .CRRT Request release for right turns $aircraft.
- .CRC Request release for climb $aircraft.
- .CRD Request release for descent $aircraft.
- .CREF Reference $1, request $2.
- .CDR Request release $aircraft.
- .CAPVD Approved!
- .CARES Approved, $1.
- .CRLSD $1 released.
- .CRS $1 released, subject your discretion $2.
- .CW Wilco!
- .CC Consider!
- .CU Unable $1
- .CREQ Request $1, $aircraft $2

EDDH specific aliases:

- .D1 Taxi left via D1, hold short of runway 33.
- .G Taxi left via D1 and G, hold short of runway 33.
- .A6 Long rollout approved, vacate via A6.
- .C33 Cross runway 33.
- .C23 Cross runway 23.
- .C15 Cross runway 15.
- .C05 Cross runway 05.
- .NOLGO Holding information for NOLGO: Inbound track 005 degrees, left turns.
- .RIBSO Holding information for RIBSO: Inbound track 028 degrees, right turns.
- .BOGMU Holding information for BOGMU: Inbound track 229 degrees, right turns.
- .RARUP Holding information for RARUP: Inbound track 276 degrees, right turns.

EDDV specific aliases:

- .T27R Taxi to holding point runway 27R via $1, M and N, cross runway 27C.
- .T27L taxi to holding point runway 27L via $1.
- .T09L Taxi to holding point runway 09L via $1, G and H, cross runway 09C.
- .T09R Taxi to holding point runway 09R via $1.
- .C27 Cross runway 27C.
- .C09 Cross runway 09C.
- .NIE Holding information for NIE: Inbound track 181 degrees, right turns.

- .CEL Holding information for CEL: Inbound track 257 degrees, right turns.
- .SAS Holding information for SAS: Inbound track 088 degrees, left turns.
- .ROBEG Holding information for ROBEG: Inbound track 007 degrees, right turns.

EDDW specific aliases:

- .T27 Taxi to holding point runway 27 via N, C and F.
- .T09 Taxi to holding point runway 09 via N and A.
- .VERED Holding information for VERED: Inbound track 297 degrees, right turns.
- .PIXUR Holding information for PIXUR: Inbound track 347 degrees, left turns.
- .GIBMA Holding information for GIBMA: Inbound track 181 degrees, right turns.
- .EKROV Holding information for EKROV: Inbound track 254 degrees, right turns.
- .BMN Holding information for BMN: Inbound track 177 degrees, right turns.

Bug Reporting

Your Feedback is highly appreciated!

We prefer bug reports and suggestions for improvements to be published on Github:

https://github.com/VATGER-Nav/edww-package

Still, you can report your issue in the Vatsim Germany Forums: https://board.vatsim-germany.org/threads/bugreports-sop-loa-controller-pack.71287/ (in this case we will open a Github issue for you)

> Keep in mind: Your problems are only heard when using the official/mentioned ways of giving feedback.

The GitHub repository is public for a reason! We would like to keep the development process as transparent as possible. Also, we invite everyone to actively contribute to the project by uploading pull requests yourself. Keep in mind, that every pull request will be reviewed by a member of the EDWW Nav-Team first. It might be possible that your pull request or issue gets rejected if not meeting our standards.