

# GNG Package Changelog

This page contains an unfiltered technical changelog to the Swedish GNG package.

The Swedish GNG package can be downloaded [automatically via Euroscope](#), or manually [here](#).

For a filtered summary of changes optimised for controllers, see [Revision Highlights](#).

**Euroscope does not allow for plugins to overwrite when updating the sectorfiles using the automatic download.** After updating, close EuroScope then go to "EuroScope > ESAA > Plugins > Updated Plugin" and copy the .dll files in the folder. Thereafter go back in the "Plugins" folder and paste the .dll files there. Overwrite existing files when prompted.

## AIRAC 2409

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### AIRAC changes

NIL

### Non AIRAC changes

- TopSky **updated to v2.5 beta 13**
  - Added Equip\_Assume\_All\_SSRs\_Mode\_S=1
- GRP
  - ESSA
    - wingspan map updated
    - WIP maps updated
    - stand definitions updated (T2 AT7\*, T5 E290/295)
- VCH

- Added `Taxi` to pending requests menu.
- MAESTRO **updated to v1.1 beta 8**

## Files updated

### ADDED CHANGED REMOVED

- GRpluginMaps.txt
- GRpluginStands.txt
- MAESTRO.dll
- Plugin.txy
- PluginTWR.txt
- PluginTWRCDM.txt
- TopSky.dll
- TopSkyAreas.txt
- TopSkySettings.txt

# AIRAC 2408

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## AIRAC changes

- Area R124 added, D180 changed.
- ESHI removed (permanently closed)
- AIP SUP 167/24 included

## Non AIRAC changes

- General
  - VCH-plugin added. Pending request is now in Start Up list and DEP list. "Hold short of" added to Taxi In/Out list and a new Clear To Land flag has been added.
  - VFR-SIDs added for all controlled airports
  - VFR fixes revised. VFR-fixes now 5 letter fixes. (points with cardinal directions have XXYYY syntax, XX=last two letters of ICAO, YYY=direction.)
  - ESMQ apron layout revised. Apron by THR 05 added
  - UMKK positions readded with SI

- Added EKDK\_OE/WE\_CTR
- Added EYVL\_M\_CTR and EYPA Information
- Removed BALT\_CTR no longer used.
- ESNN APN M layout updated
- Additional ESSV STAR DCT VSB added.
- TopSky
  - Updated to version 2.5b11
  - CPDLC messages auto archived after 60 sec
  - VFR-waypoints + Label, added with hotkey ALT+B (Both)
  - Added highlight of A345/346, B779 and C5/5M for ESOS CTR
  - Auto freq map ESGG TMA also shown for IBA, IB, GT
  - Auto freq map UMKK revised.
  - MM LOA map. BINKA revised (showing using coordinates as not in dataset)
  - DENOL ADES EDDV corrected to EDLV
  - OGBER/KETAP included in auto map for ML,8,9
  - OS LOA map. 01 also shown for A and AW
  - VSB labels reordered
  - Territorial waters border map added (Under MISC)
- GRP
  - LB, LD and LR added to Schengen countries
  - ESKN and ESGP added
  - ESSA TWR ASR: RNP APP maps added
  - ESSA stand F29L, S80, S81 definitions updated.
  - ESGG (Airline stand priorities) assignment revised
  - ESGP and ESMQ RWY end coordinates added
- MAESTRO
  - Updated to version 1.1b7
  - Removed from TWR-profiles

## Files updated

ADDED CHANGED REMOVED

- VCH.dll
- ESAA TOPSKY.prf
- ESAA TWR.prf
- ESAA TWR CDM.prf
- ESNN\_GND.asr

- ESGP\_GND.asr
- ESKN\_GND.asr
- GRpluginMaps.txt
- GRpluginSettings.txt
- GRpluginStands.txt
- Lists.txt
- ListsTWRCDM.txt
- ListsTWR.txt
- MAESTRO.dll
- PluginTWRCDM.txt
- PluginTWR.txt
- TopSky.dll
- TopSkyAreas.txt
- TopSkyMaps.txt

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# AIRAC 2406

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## AIRAC changes

- New SID/STAR at ESSD.
- AIP SUP updated to 117/2024
- R05A/B added

## Non AIRAC changes

- General
  - Encoding corrected for Areas and Maps files (8859-1)
  - Soaring sectors in Malmö TMA updated
- TopSky
  - MM K/L auto frequency not shown for MM K/L
  - Auto frequency shown for OS APP reduced to sector name, now excluding "OS", OS 2 labels moved.
  - Transfer Confirmation removed from DEL/GND as XFL is not showing correctly.
  - ENOR\_SC\_CTR frequency added

- Some EKDK frequency moved
- EKRN frequency updated to 8,33
- GRP
  - ESSA and ESGG WIP Timespans updated
  - ESSA Wingspan map layering corrected (to draw above active RWY area and dep/arr arrows)

## Files updated

ADDED CHANGED REMOVED

- (.sct, .ese, .prf, and files in ICAO- and NavData folders always updated.)
- TopSkyMaps.txt
- TopSkySettings.txt
- GRpluginMaps.txt
- TopSkyAreas.txt

# AIRAC 2405

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## AIRAC changes

- AIP SUP updated to 101/2024 (Temporary restricted area ESR861 Kramfors)
- R121 Changed
- R123 Added
- D187 Withdrawn
- D191 Re-added

## Non AIRAC changes

- General
  - COP ERNOV XFL behavior fixed. (XFI now keep close to and after COP)
  - Fixed wrong XFL behavior after DCT outside TMA for ESSA/B APP
  - ESCF and ESDF heli RWY added (selectable in lists)
  - Login profiles added for ESOS DEP-W and DEP-E
  - Vatglasses link added to ACC login profiles
  - PCA (Military exercise area) Waypoints added to show FLEG to area when PCA filled in FPL. ESxxx (e.g. ESM21)

- Updated ES to align with LOP. ESPE/NZ only covering up to FL95 again. COPX updated to FL90.
- VATCAN not drawing on screen to remove annoying UI. (activate under plug-ins when needed)
- Lists
  - Taxi Out List CTOT item in TWR.prf corrected, now showing TopSky item instead of CDM item.
  - Left click on RTE/AHD fixed to select SID in TWR.prf.
- TopSky
  - PCA M85 corrected, M91, 92 added
  - AMS (Airspace Management) List now sorted (D, R, TRA, PCA, FS(FlygSport))
  - NOTAM activation removed (except for foreign R/D-areas)
  - AUP (Airspace Use Plan) activation now available, including temporary areas from AIP SUP (tack Felix)
  - Manual usertext "FLYG" removed, as it is shown depending on activity loaded from AUP.
  - R/D-Areas in SB CTR revised to match other areas.
  - ROENNE SW level in Freetext corrected
  - ESGG E/W split only shown when relevant (both GE+GW open)
  - Swedish ACC (also APP for ESOS+ESGG TMA) frequencies can be shown for TWR/APP positions.
  - UMKK 2.5NM line added. To aid ATCO not to get too close to UMKK FIR.
  - ESOS TMA D01R sector added. Shown when departing RWY 01R.
  - EYVL freq updated
  - New CPDLC free text added.
  - RNP STAR now primary for traffic to ESNQ
  - ESCM VRP encoding corrected
- GRP
  - GRP implemented: ESCF, CM, GT, IB, KS, MQ, MX, NN, NS, NX, OW, SL
  - ESSA WIP updated and reordered (fr Arlandas extranät)
  - ESGG/ESSA ground view and labels reworked, (added LVP auto map with CAT II HP and ILS sensitive area at ESGG)
  - ESMT Stand 7 removed
  - ESSD B 14 holding position moved
  - ESSB RWY THR moved for RIM
  - ESMX Aeroclub moved
  - ESGG APN wingspan restrictions added to map
  - ESSA TWY wingspan restriction map added
  - ESMX Stand labels updated (Aeroclub moved)

- Maestro
  - Updated to v1.1b7 (.dll and ICAO\_Aircraft.json)
  - Added final lengths to settings file (SA 01R 14 nm, all other default 10 nm)

**Full reinstall required. No file changelog avbl.**

## AIRAC 2403/2

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### AIRAC changes

NIL

### Non AIRAC changes

- General
  - RTC added back in sector ownership to ESSA and ESGG. (APP has priority over RTC on ESSA and ESGG. RTC will cover TWR only if OS/GG APP offline)
  - Text alias: link for .wt corrected
- TopSky
  - Settings: "Airspace\_C\_No\_Flag" in line 2 removed.
  - Areas: Removed space in line 2290, corrected D357 to R357

### Files updated

ADDED CHANGED REMOVED

- (*.sct, .ese, .prf, and files in ICAO- and NavData folders always updated.*)
- TopSkyAreas.txt
- TopSkySettings.txt
- alias.txt

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## AIRAC 2403/1

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## AIRAC changes

- ESSA RWY 19R BABAP/TOVRI SID revised (turn now waypoint based instead of altitude)
- New significant points added: ABJAZ, AGWIM, ARIWA and OTMAB
- New ESD191 Tveta

## Non AIRAC changes

- Sector sequence for ESMM to ESSA/SB APP when ESOS is offline now works for Arrivals via TRS/NILUG/XILAN and Departures via PETEV/NOSLI/TRS. Correct SI will only show for ESMM when traffic has descended below MM airspace.
- General
  - Removed RTC in sector ownership from ESSA and ESGG.
  - Temp R/D-areas added from AIP SUP 8-57/2024
  - Visibility points updated for ESAA\_PLN\_CTR
  - Added logon profiles
    - ESAA\_PLN\_CTR (replaces ESOS\_PLN\_CTR)
    - ESMM\_XK\_CTR
    - ESMS\_XL\_APP
  - New test alias added: "You are not allowed to vacate via taxiway C or D after landing RWY 03 unless approved by ATC, please see <https://vatsca.org/esggtaxi>" `.wtgg`
- Lists
  - Ground state changed to xLU and xTO to be sorted correctly
  - Ground status list column renamed from G/S to STS to make it stand out from C/S
  - Start Up List column VATCAN CTOT added
  - CDM Plugin
    - Added latest CDM-plugin version
    - Updated Startup list with TSAT Delay via left click on TSAT
    - Updated Taxi out list to show CTOT instead of TTOT.
    - A small bug in the new CDM version makes the TSAC show a strange value. This can be disregarded.
- TopSky
  - Removed Auto show VRP for ESSA APP
  - EKCH APP freq now shows for XK/XL
  - TopSky views updated
  - Updated C-flag
  - CARD window open automatically for CTR and ESMS\_APP

- Added AMA-map (combined with MVA)
- Freq-Map corrected: ESOE TWR
- Map 25 NM centerlines SA RWY 01/19 added
- ASR Fast keys (F1+1,2,3 etc.) updated in TopSky.prf
- Glider sectors added (FSxyyy) xx=ICAO yyy=sector name. Shown on radar display with green borders
- CPDLC window open automatically for CTR and ESSA\_/ESGG\_/ESMS\_APP
- CPDLC
  - Added CPDLC address for SA/SB/GG APP and ESMM XK/XL
  - All neighbouring FIR updated
- AMAN
  - Added EKCH MAESTRO setup
  - Changed default position for COTS and AMAN-window
- GRPMaps
  - ESSA Pushbacks added
  - ESSA WIP A0299/24 (+TWY Z, U) added
  - ESMS CAT II HP (shown when LVP selected in GRP)
  - Wingspan/ATYP alerts added for ESMS, ESSB, ESPA, ESNU, ESSV, ESSA
  - ESNU GND freetext stand labels adjusted
- GRPStands
  - ESSA Stand S2L, S3L removed. Assignment updated
  - ESMS Stand 14 removed. RYR Assignment updated
  - ESNU, ESSV, ESNZ, ESNQ, ESTA, ESDF Added

## Files updated

ADDED CHANGED REMOVED

- (.sct, .ese, .prf, and files in ICAO- and NavData folders always updated.)
- CDM.dll
- CDMconfig.xml
- ESNU\_GND.asr
- ESNZ\_GND.asr
- ESNQ\_GND.asr
- ESTA\_GND.asr
- ESSV\_GND.asr
- ESDF\_GND.asr
- GRpluginMaps.txt

- GRpluginStands.txt
- ListsTWR.txt
- ListsTWRCDM.txt
- LoginProfiles.txt
- MAESTROsettings.txt
- PluginTWR.txt
- PluginTWRCDM.txt
- TopSkyAreas.txt
- TopSkyCPDLC.txt
- TopSkyMaps.txt
- TopSkySettings.txt
- TopSkyViews.txt

# AIRAC 2401

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## AIRAC changes

- New significant points added: ARJUD and SEJPA
- ESD186 Trängsletdammen completely withdrawn.
- ESMQ NDB KM withdrawn.
- ESSA RNP Z 01R renamed RNP W.

## Non AIRAC changes

- TS VCCS: EKDK positions revised.

## Files updated

### ADDED CHANGED REMOVED

- (*.sct, .ese, .prf, and files in ICAO- and NavData folders always updated.*)
- **ADDED**
- TopSkyAreas.txt
- TopSkyMaps.txt
- VCCSSettings.txt

- REMOVED

# AIRAC 2312

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## AIRAC changes

- ESJS Skellefteå Lasarett Added

## Non AIRAC changes

- ESAA\_TMC.asr is now split into two ASR. One specific for Stockholm APP and one for Göteborg APP. Please remove the old ESAA\_TMC.asr. For ESMS\_APP use ESAA\_ACC.asr. For any other APP or TWR use ESAA\_TWR\_APP.asr
- Change to definition of some lines. White dotted lines apart from indicating Control zones also indicate ACC sectors below FL95 that is bordering uncontrolled airspace. A solid white line indicates a border with controlled airspace on both sides. This only applies to ACC sectors and not Approach sectors.
- The graphical representation at the border of ESMM and ENOR (delegated airspace Örje, Bohus and Koster) has been updated to make the AoR more clear.
- EKCH CTR updated.
- XFL for DEP ESNQ now FL90
- Flight Information Service border below Köpenhamn TMA added to MAPS ARTCC LOW
- Added ESOS/ESMM/ESGG ACC/APP Frequency to MAPS
- Köpenhamn APP frequency in MAPS updated to 8.33
- ESNZ RNP AR 12 joining point updated.
- ESOE MVA Sector corrected
- Obstacles 850ft+ height within 10 NM from controlled airspace added.
- Revised auto activation of DCTs to E and S from OS ACC, including zoom filter
- 3 NM SEP AREA removed
- All COPX between sectors with vertical split 365 removed as they create wrong PEL/XFL. Pointless COP 2/3, 6/7 and 8/9 is still in the system.

- Ground layouts for ESNJ and EMSV added. ESOW updated (APN 3 closed, Airways flight school removed)
- ESOE VRP KUMLA changed to KUMLAN
- MIL STD Departures added for ESCM, ESDF, ESPA, selectable in SID
- Stand assignment for F28 at ESSB should now work better.
- Added .833 to text alias with information on how to manually tune frequencies. (use .833)

## Files updated

### ADDED CHANGED REMOVED

- *(.sct, .ese, .prf, and files in ICAO- and NavData folders always updated.)*
- ESAA\_ESOS\_APP.asr
- ESAA\_ESGG\_APP.asr
- ESMV GND.asr
- ESNJ GND.asr
- GRpluginMaps.txt
- GRpluginStands.txt
- LoginProfiles.txt
- TopSkyMaps.txt
- TopSkyAirspace.txt
- ESAA\_ACC.asr
- ESOW GND.asr
- ESAA\_TMC.asr *(Replaced by APP-ASRs)*

# AIRAC 2311

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## AIRAC changes

- New D-area D190 Kattegatt
- TopSkyAreas: Added from AIP SUP R833,834,835,839,840, R317,318,319,803,804,970

## Non AIRAC changes

- Multiple 8,33 kHz frequency updated

- New PEL/XFL to EPWW for EKCH/ESMS DEP/ARR
- New Release Lines to EDWW/EDUU
- Updated DCT points to EDWW/EDUU/ENOR
- ESSB departures revised, new "SID/HDG" see LPM.
- ESSA config 5 changed. All DEP to ARS, PETEV, NOSLI and TRS is cleared via KOGAV SID.
- Maestro plugin (1.1b6) updated
- GRPluginMaps: File reworked, showing only data for active airport. Wingspan/Heavy restrictions added at ESSA/GG
- Added VATCAN (hidden) and AMAN data fields to TML 1 and 2
- TopSkyMaps: RNP APP displaying filled fix and name at last fix to join RNP APP

### Files updated

- (.sct, .ese, .prf, Files in ICAO- and NavData always updated.)
- GRpluginMaps.txt
- TopSkyAreas.txt
- LoginProfiles.txt
- Plugin.txt

# AIRAC 2310

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## AIRAC changes

- NIL

## Non AIRAC changes

- CTR Coordinates corrected/updated for, ESNU, ESCM, ESGT, ESDF
- TopSkyMaps missing TMA Altitude for ESNZ added
- TopSkyMaps MVA added
- Maestro plugin, settings and manuals updated (1.1b5)
- GRPMaps ESSB Y3 WIP Removed
- Precision (PAR) Positions added
- CDM plugin updated to latest version

# AIRAC 2309

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## AIRAC changes

- NIL

## Non AIRAC changes

- Basic ATS-routes updated.
- 3 nm separation line removed as 3 nm radar separation applies below FL 195 in the whole FIR now.
- PCA sectors (Military exercise areas) updated.
- GRplugin Maps, new WIP areas added at ESGG and ESSA.
- VCCS panel updated.
- 8.33 kHz frequencies added for EDUU.

# AIRAC 2308

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## AIRAC changes

- R-area R122 Muskö added.
- Some R-areas with radiuses has been updated.
- AMA (MSAW) updated.
- New initial climb altitude for ESGG SID to MISVI and SOJWI. New altitude is 4000 ft. Only valid for those two SIDs, the other turboprop SIDs has 5000 ft.
- New IAP for ESCF.

## Non AIRAC changes

- Maestro plugin updated. New settings file. Stable state is now at 12 min to not catch aircraft in climb.
- Data link clearance (DCL) format updated to align with real world.
- The data for Holding Point, Taxiway, Stand and Apron moved from GRplugin Maps file to sector file.
- ESSA and ESGG ASR, removed graphical draw directly from ASR. All graphical elements now drawn from GRplugin with sector file as reference.

- GRplugin Functions menu -> Maps, resorted. All aerodrome specific items now found under respective aerodrome while WIP moved to a separate item. 2nd window now controlled from the same menu item.
- New Alias shortcut for aircraft making wrong turns with link to taxiway map added, ".wt".

## AIRAC 2307 V3

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### AIRAC changes

- ESPA TEMPO VOR approach RWY 14 (Is selectable via STAR as VORDME·T)  
[ESPA banarbete tillfälliga procedurer](#)

### Non AIRAC changes

- ESSB WIP area updated
- ESPA WIP area added
- Stand assignment now works correctly for aircraft not approved IRL, eg. F28.

## AIRAC 2307

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### AIRAC changes

- ESOE TMA extended and IAP updated.
- Restricted area R210 new.

### Non AIRAC changes

- CPDLC setting changed, now only transfer is default.
- ESE FLEG runway 01R ESSA updated to remove old waypoint.
- New behaviour when resizing windows.
- TWR frequencies can now be selected to be displayed via the Maps menu.
- CDM mode changed to "event mode". TSAT will not be assigned automatically from EOBT, once a TOBT is entered then a TSAT will be calculated. This will prevent nuisance TSAT.
- Release line ESJAH new. More info will come with the new LOP.

- RNAV SID now default at ESOK.
- ESPA stand stands updated.
- ESGG Ground network updated with new stands.
- ESSB WIP Y3 added.
- ESSA strand assignment updated to allow less common aircraft types to be assigned to the terminal.
- SSR updated.
- CPH\_I/E\_ APP added. Same as EKDK B/D. New frequencies are not shown automatically yet. Use SI frequency.
- Almost all remaining ground layouts are now completed

# AIRAC 2305

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## AIRAC changes

- New significant points: HUMBE, NAFFI, ODHAF. (In the area of Luleå and Pajala)
- Multiple new, removed and updated R/D-areas.
- New RNP SIDs for ESOK.

## Non AIRAC changes

- XFL XILAN for ESSB arrivals changed to FL100.
- ESSA\_DEP renamed ESSA\_W\_DEP with new SI DW. Multiple COP updated to reflect this.
- For EDDB arrivals, KETAP and OGBER added as optional DCT selectable from MAPS -> LOA ESMM submenu.
- General Setting, "Use ISECT.TXT for scratch pad" activated to allow for DCT to point not in SCT-file.
- VCCSSettings updated.
- TopSkySSRcodes updated.
- Symbols setting file updated. (Thanks to Max), Ground layout completely reworked for:
  - ESCM
  - ESDF
  - ESGT
  - ESKN
  - ESKS
  - ESMQ

- ESMS
- ESMT
- ESMX
- ESNO
- ESNQ
- ESNU
- ESNZ
- ESOE
- ESOW
- ESPA
- ESSB
- ESSU
- ESSV
- ESTA

## AIRAC 2304

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### AIRAC changes

- Restricted area R117 Nynäshamn new and some small changes to other R/D-areas.
- Instrument procedures updated at ESMT.
- Northern part of ATS-route T31 renamed T81.

### Non AIRAC changes

- CDM plug-in updated.
- New tick box added in the CDM list to keep track of what TSAT is communicated to pilot. Some other updated functionality.
- Manuals for the Swedish setup and CDM plugin has been updated.
- All stands now available at ESGG, ground layout updated accordingly.
- ESSB ground layout completely revised.
- Ground Network added at ESSB.
- 2nd Window in the GR-plugin now works for ESSA and ESGG. Thx Max.
- BAW and FIN(short haul) together with some other airline moved from terminal 5 to terminal 2 at ESSA.
- New colour (white) for R/D-areas that where ATC can not give permission to enter. E.g. national parks, prisons, nuclear power plants e.t.c.

- SID NEGIL2G from ESGG now have XFL 90 from GW to GE.
- Missing XFL from ESMM 8 to ESMM L for traffic to airports in northern Germany hopefully fixed.
- Missing line in INT borders fixed.
- Missing RNP-procedure at ESKM added.

## AIRAC 2302

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### AIRAC changes

- NIL

### Non AIRAC changes

- ESOS 3 now covers all of ESOS AoR when ESOS 1 is offline. With both online the normal division of sectors apply. If someone is online as ESOS 3, consider opening ESMM 2 instead of ESOS 1, this will result in the same division as ESOS 1 together with ESMM 2. This is a test to see if the workload can be managed better when alone as ACC.
- EFIN C now covers more sectors when no other EFIN is online.
- Frequencies displayed updated for EDWW/EDUU, EPWW, EFIN and EKCH APP.
- SSR-code assignment updated with better handling of APL, VFR FP, local codes and specific callsigns for ambulance helicopters.
- Stand assignment at ESSB updated.
- Added Holding Points and taxiway closed markings to ESSB ground layout.
- SIM-ONLY ASR for ESSB added.
- Added missing line in area Örje.
- Updated XFL handling inbound ESSB.

## AIRAC 2301

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### AIRC changes

- NIL

### Non AIRAC changes

- A-CDM plugin updated.
- New manual: "Swedish tower setup and CDM plugin".
- Updated manual: "Swedish Setup for EuroScope"
- TWR / TWR A-CDM lists reworked.
- Added an Alternate Ownership for DEL-positions to have traffic show correctly in the lists. Only to be used by DEL. Drawback is that the sector sequence for the next GND position will not work, alas it did not work perfectly before either.
- Simulator ground network added at ESGG. All taxiways are now predefined for easier management of simulated ground traffic.
- SIM-ASR fixed, now actually working.
- Colours for ESGG Ground Radar view corrected to match real system.
- Added 90 m markers for TWY C, D and E in ESGG Ground Radar view. Holding points for the same TWY changed to red.
- ESSA Stand F33L renamed F33. Stand F33R removed.
- Correct SID now assigned at ESMS. (K-SID)
- Issue with XFL to EPGD via PENOR fixed.
- Issue with COPX/XFL when close to ESJAH fixed.
- APL squawk code range hopefully fixed, should be 5701 to 5777.
- Restricted areas at national parks are now shown in white.
- Colour for restricted areas adjusted.
- Restricted areas along the national border is realigned

For older changes to the sector file, see [this forum thread](#)

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Revision #52

Created 12 November 2023 13:41:55 by Max Kuhla (1157125)

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