

## Version 2.5 (WIP)

- Added Clock Window
- Added Global Menu SIGMET number functionality (COOPANS version)
- Updated RWL Window (off, nm, nme and km options) (COOPANS version)
- Updated Airspace data file syntax (appline\_ext, no\_fix)
- Added possibility for hard filters (hiding all track components)
- Added Shortcut Window (COOPANS version)
- Updated scale marker
- Updated NAT List Window updated (NAT trk msgs now available in Document Viewer Window)
- Updated NAT maps
- Updated Vertical Aid Window
- Updated SEP List
- Updated CJI Filtering Window (COOPANS version)
- Added STCA Alerts List (COOPANS version)
- Updated default symbols and Symbols data file syntax
- Updated Lost List
- Updated Holding List(s), added possibility to define point-specific lists
- Added possibility to move minsep/fplsep/QDM vector label positions
- Added "Weather" manual alert
- Tag items "RI (Release indicator)" and "COORD (Coordination Message) part2" deprecated, now included in COORD
- Changed SID/STAR allocation color logic
- Added ARC HOP
- Updated AFL, AHDG, ARC, ASP, Callsign, CFL, Hold, RFL and SSR menus
- Added CMT Text Pop-up
- Updated Pre-Departure Clearance Window
- Added Departure Clearance Window
- Added Multi-QDM (COOPANS version)
- Updated QDM vector labels
- Added QDM/minsep vector preview
- Updated CARD
- Updated SAP Window
- Updated Runway In Use Window
- Updated Brightness Window
- Added Airfield Data Window (COOPANS version)
- Updated Flight Plan Window
- Added possibility to temporarily hide CFL/RFL/AHDG/ASP/ARC/NPT tactical coordination and CPDLC values in selected labels to see active values (COOPANS version)
- Added Small QNH/TL Window (COOPANS version)
- Added sending metric levels for CPDLC depending on system & flight unit settings and parsing for metric level downlinks
- Updated Areas data file syntax (area, categorydef changed, active:aup/aup\_group/callsign/notam\_group, and\_active, fpca\_seps and stca\_\* added)

- Updated MTCD code to enable use of defined FPCA's
- Updated STCA code to enable use of defined STCA areas
- Added FPCA Status Window (COOPANS version)
- Updated Maps data file syntax (style changed, active:aup/aup\_group/callsign/map/notam\_group, and\_active, hidden and linestyledef added)
- Updated Airspace Management Window
- Updated STCA data file syntax (soir changed)
- Added possibility for TSA area labels to show next activity period as well
- Added possibility for areas remote activation
- Updated Time menu
- Added Oceanic Time Restriction Window
- Updated MSAW data file syntax (apm related lines added)
- Updated CPDLC data file syntax (freetext:unicom added)
- Added individual quick look
- Added Current Operational Load Window (COOPANS version)
- Added Operational Load Forecast Window (COOPANS version)
- Added Air Traffic Flow Management Window (COOPANS version)
- Added Upper Winds(/Forecast QNH) Window
- Updated SSR data file syntax (callsign\_code added)
- Updated CPDLC Settings Window
- Added possibility to define a minimized track label
- Changed weather radar display to show by default horizontal lines instead of filled areas
- Added more options for FPL equipment code handling
- Changed op\_text and op\_text2 fields to be editable also by the downstream controller
- Added scaling setting for radar screen mouse click areas
- Added code to synchronize area activations and certain other data across EuroScope instances on the same computer
- Added "Master" mode to ASM Window

## **Version 2.4.1 (October 2022)**

- Service release with some bug fixes

## **Version 2.4 (April 2022)**

- Added line option for RDF (antenna position setting)
- Changed ROF function: "ROF" indication shown for sender also in COOPANS version
- Added VCI menu
- Added APW warning sound (and controls in Settings/Setup menu)
- Moved STCA warning sound toggle to Settings/Setup menu
- Changed "R/T" button to "R/T" and "CPDLC" in menus
- Moved SBY/UNABLE response buttons to level requests from RFL to CFL menu
- Added "Resume" button to COOPANS version ASP menu
- Updated MTCD Status Window
- Added "+/-" options to ASP menu

- Changed COOPANS version CFL menu to show RFL value
- Added setting to make TSA Areas display respond to altitude filtering
- Non-COOPANS version: Added Sector, Pre-Activation and Main/Secondary VFR lists
- COOPANS version: Added Sector, Load Factor, Uncontrolled 1/2, ETWR, Resectorisation and Traffic Management 1/2 lists
- Added sound options for ROF, RTI and TIP
- Added Waypoint menu for answering coordinations, responding to route downlinks and sending uplinks
- Updated areas and maps data file syntax (active changed – second rwy type, circle added)
- Updated areas data file syntax (noaiw added)
- Updated maps data file syntax (sctdata, sctfiledata, sctfilepath added, active – area added)
- Changed Sign In to be automatic (can be disabled in local settings file)
- Added FIC position setting
- Added ICAO FPL implementation (partial, can't influence EuroScope's mode S radars)
- Added GUI font options
- Updated label field highlights to be synchronized between instances (on same computer)
- Added new ICAO format options to "use equipment codes"
- Changed Info points to be automatically enabled when specified key is down (<ALT> by default)
- Added settings for APW and MSAW filtering on sector state
- Added key shortcuts to toggle maps and send manual transfers
- Added adjustable refresh rate for AHDG/QDM vectors
- Added Aircraft data file (and Flight Plan Window entries checked against it)
- Added Airports data file
- Added Document Viewer Window (to browse/search aircraft, location and operator databases)
- Added settings to highlight WTC item based on ATYP/WTC
- Added tag functions to toggle GS and WTC item highlights
- Added vertical separation tool to COOPANS version (subfunction of the separation tool)
- Increased available separation tools in COOPANS version to 7
- Added automatic ASSR assignment when clicking "Assume" on Callsign menu when no code assigned
- Added dedicated SSR code range for automatic assignment from the Create APL Window
- Added code to check the used EuroScope version and enable/disable affected plugin features
- Added FPASD track filtering based on sector state
- Implemented division into uncontrolled and controlled tracks (affects for example entry into plugin custom flight lists, track coloring, eligibility for filtering)
- Added AIW callsign and SSR code inhibits (the same as for the other safety nets)
- Updated Create APL Window
- Removed TopSkyCallsigns.txt data file (now checks only for ICAO\_Airlines.txt)
- Removed TopSkyCallsignsLocal.txt data file (renamed ICAO\_Airlines\_Virtual.txt)
- Added ICAO\_Aircraft.txt and ICAO\_Aircraft.json data files
- Added support for RECAT-EU and ICAO eWTS wake turbulence groups
- Updated airspace data file syntax (initial\_cfl, cfl\_\*, ta\_circle and ta\_polygon added)
- Updated MTCD code (general updates, potential predicted and potential risk added, CARD and VAW View menus updated accordingly)
- Added enhanced AFL display option and related tag function

- Updated default colors
- Added auto-update to weather data
- Updated COOPANS version Radar Menu and Track Control Window
- Updated cursor files, changed file naming
- Changed alert sound file naming

### **Version 2.3.1 (February 2021)**

- Bug fix: brightness-controlled plugin color settings properly updated when using a GRplugin ASR file
- Added settings to use metric-specific levels in plugin menus and to customize the rounding of metric levels
- Added setting to limit max time from sector entry for CPDLC logon auto-accept
- Added setting to exclude non-departed traffic from MTCD processing
- Added settings to adjust Airspace Management Window column widths
- Updated Areas and Maps data file syntax (hatch fills now possible in addition to percentages)
- Updated Areas data file syntax (noclamram added, dd area type added)
- Updated Maps data file syntax (layer/global/default\_global/default\_screen-specific/override\_sct\_map/textalign added, color changed)
- Updated CPDLC data file syntax (available data fields for the datalink clearances)
- Added Unit Settings submenu
- Added APW alert coloring to callsign field
- Updated non-COOPANS Track Control Window (added flight leg fields)
- Changed flight leg point labels (available fields and their order)
- Added EST/DEP/ABT tag item and function, Departure Coordination Window
- Added 4<sup>th</sup> extended label F15/F18/OPTTEXT/OPTTEXT2 tag items, allowing for wider extended label
- Added custom CLAM and RAM alerting
- Added possibility to save/load screen-specific map states in Plugin Status menu
- Added possibility to manually override login callsign used for loading settings in Plugin Status menu

### **Version 2.3 (August 2020)**

- Changed code so that setting AHDG via RPS selects aircraft as ASEL
- Added possibility to save Manual area activity data (Plugin status menu)
- Updated Areas and AreasManualAct data files syntax
- Updated Maps data file syntax (screen-specific, active, asrdata, added possibility to adjust font size/style, draw polygons, etc.)
- Updated SSR data file syntax (OAT/GAT, remarks, group definitions, priority, type, descr)
- Changed code so that R flag accepts PRNAV capable aircraft also as BRNAV capable
- Updated Non-COOPANS Global Menu (filters part)
- Bug fix: Reloading areas data file will now also reload NOTAM based activation schedules
- Added setting to enable automatic Sign In
- Changed COOPANS version color set
- Mouse wheel code moved to dedicated thread, removed possibility to reset it via Global Menu
- Added settings to adjust font styles and other ones
- Bug fix: using MTCD inhibit areas no longer causes CTD

- Added REGIONS maps from sector file
- Changed maximum number of Min Sep Tools to 5 in COOPANS setup
- Changed Holding List ETO column to show holding start time once holding entered
- Added separate colors for Proposition In & Out as well as for the auto-generated maps
- Added Informed 2 & 3 colors, adjusted corresponding settings syntax
- Updated Weather Messages Window (SNOWTAMs added)
- Added NAT Track Messages Window and auto-generated NAT maps
- Added possibility to scale various plugin graphical elements
- Added possibility to automatically set the EuroScope “dcenter” value
- Changed Track Control Window selections to be radar screen specific
- Updated Radars data file syntax (terrain masking)
- Updated STCA data file syntax (NTZ)
- Changed primary radar video to use ESE file radar hole data if no terrain masking data available
- Changed Callsign data file syntax (added possibility to point to another file)
- Certain controller-entered data is kept for a while for disconnected tracks, automatically re-applied if the track reconnects within that time
- Changed NOTAM area activation code to handle also metric level references
- Changed datalink clearance formats (messages split to header and message parts)

## **Version 2.2.0.1 (December 2019)**

- Service release with some bug fixes

## **Version 2.2 (March 2018)**

- Added settings to save window states and positions
- Updated MTCD/SAP code
- Added Primary Frequency Messages Window
- Changed area labels, added area hotspots
- Updated SSRcodes data file syntax
- Custom level values possible in level menus (AFL,CFL,RFL), defined in the Airspace data file
- Custom lateral and vertical buffers for both APW and SAP possible for each area
- Rejected RTI/TIP value is removed from the label after 60 seconds
- Updated Stack Manager Window
- Updated STCA code
- Updated STCA data file syntax
- Added option for 4D FPCP
- Added AreasManualAct data file
- RADSEP vectors are drawn as great circles instead of straight lines
- AHDG and QDM vectors can be set to be either rhumb lines or great circles
- Added custom magnetic declination model (IGRF and WMM models, years 2000-2020)
- Area/map activation by NOTAM possible also without a specified text
- Added area user text to area label
- RADSEP/FPLSEP/QDM from any label item with a mouse function, not just RPS
- Added DSQ menu

- Added TOC and TOD markers to COOPANS setup flight leg
- Added Time menu
- Updated ASSR assignment code
- Inhibited RAM alerts for holding flights
- Added CPDLC & DCL/PDC features
- Added option to use ESE defined squawk codes
- Automatic activation schedules possible for plugin maps
- Added plugin update check
- Added Mode S features
- Changed RPS's (non-COOPANS setup)
- Added LFUNC Frequency Plan Window
- Updated mouse wheel functionality to work with Windows 10
- Updated Lost List
- FPASD tracks controlled via Global Menu (have to be enabled in ES settings to get the data)
- Updated General Information Window
- Added CallsignsLocal data file
- 5 radar minimum separation lines possible in non-COOPANS setup (previously only 1)
- 5 flight plan minimum separation lines in non-COOPANS setup (new feature)
- Updated TSA Areas Window (non-COOPANS setup)
- Updated Areas data file syntax
- Changed Callsign menu (non-COOPANS setup)
- Changed Radar menu (non-COOPANS setup)
- Updated Maps data file syntax

## **Version 2.1.1 (April 2015)**

Service release with some bug fixes

## **Version 2.1 (April 2015)**

- Updated HTTP related code
- PSR-only uncorrelated tracks can be filtered based on groundspeed
- Auto-generated maps in MISC folder
- Added Lost List
- Keyboard shortcuts for some plugin functions
- Radar menu now opens by <ALT>+<rightclick> on the radar screen background
- STCA alert overrides any filtering
- Updated Message In/Out Window code
- Code changes to reduce log file size
- Area activation based on NOTAMs
- Updated Areas data file syntax
- METAR source can be selected (VATSIM/FAA)
- Added Aerodrome Window
- Added Runway In Use Window
- Right-click on "Here" holding point allows to type in the point name

- Changed SID/STAR/ARWY coloring
- Changed SEP tool (3+1 lines available) (COOPANS setup)
- Added SEP List (COOPANS setup)
- Updated CARD
- Informed state available
- Areas shouldn't display on ground radar screen anymore
- Maps Window auto-closing can be switched off
- Airways, nav aids, airports and fixes from sector file available in Maps Window
- Direct-to can now be assigned also with the AHDG vector
- Changed Callsign, Radar and CFL menus (COOPANS setup)
- "HS" (high speed) option available in the ASP menu (COOPANS setup)
- Updated Weather Messages Window
- Added NOTAM List Window
- Added RTI and TIP coordinations
- Added Tactical Transfer Menu
- Added Tactical Info Window

### **Version 2.0.1 (December 2014)**

Performance related fixes, improvements to SSR code allocation and a couple of bug fixes

### **Version 2.0 (June 2014)**

Initial release of the plugin. Based on an earlier plugin, hence the version number...