# Version 2.6 (WIP)

Data file changes:

- Added support for various coordinate formats
- Added FAST data file
- Updated SSR data file syntax (A1000 related items, bottom/top altitudes to areas)
- Updated Maps and Areas data file syntax (//version added)
- Updated STCA data file syntax (final1/2 added for basic support for curved approaches)
- Updated AUP & remote activation file syntax (refresh_interval added)

Setup/system changes:

- Added option to handle code 7601 as a special code
- Added time option to a/c-a/c QDM label
- Added option to not fail PDC request for a/c type mismatch
- Added tag function to toggle RFL field display
- Added settings to check for updated maps & areas data files online
- Added tag items and controls for list sorting
- Added settings to disable specific CPDLC message categories
- Added a few hardcoded options for downloading SNOWTAM and AIREP data
- Added FAST system (indications, tag items and functions, list)
- Added settings for fixed-width fonts 2 and 3

General changes:

- Updated DCL Window (ATIS letter editable)
- Changed SEP tool to hide track vector

COOPANS version specific:

- Updated General Information Window

Non-COOPANS version specific:

- none

# Version 2.5 (December 2024)

Data file changes:

- Updated Airspace data file syntax (appline_ext, no_fix)
- Updated Areas data file syntax (area, categorydef changed, active:aup/aup_group/callsign/notam_group, and_active, fpca_seps and stca_* added)
- Updated CPDLC data file syntax (freetext:unicom added)
- Updated Maps data file syntax (style changed, active:aup/aup_group/callsign/map/notam_group, and_active, hidden, coord_* and linestyledef added)
- Updated MSAW data file syntax (apm related lines added)

- Updated SSR data file syntax (callsign_code added)
- Updated STCA data file syntax (soir changed)
- Updated default symbols and Symbols data file syntax

Setup/system changes:

- Added code to synchronize area activations and certain other data across EuroScope instances on the same computer
- Added more options for FPL equipment code handing
- Added possibility for areas remote activation
- Added possibility for hard filters (hiding all track components)
- Added possibility for TSA area labels to show next activity period as well
- Added possibility to define a minimized track label
- Added scaling setting for radar screen mouse click areas
- Added sending metric levels for CPDLC depending on system & flight unit settings and parsing for metric level downlinks
- Updated MTCD code to enable use of defined FPCA's
- Updated STCA code to enable use of defined STCA areas
- Deprecated tag items "RI (Release indicator)" and "COORD (Coordination Message) part2", both now included in tag item "COORD"

General changes:

- Added ARC HOP
- Added CMT Text Pop-up
- Added Departure Clearance Window
- Added "Weather" manual alert
- Added Oceanic Time Restriction Window
- Added Upper Winds Window
- Added possibility to move MINSEP/FPLSEP/QDM vector label positions
- Changed Document Viewer Window name to Miscellaneous Information Window
- Changed OP_TEXT and OP_TEXT2 fields to be editable also by the downstream controller
- Changed SID/STAR allocation color logic
- Changed weather radar display to show by default horizontal lines instead of filled areas
- Updated AFL, AHDG, ARC, ASP, Callsign, CFL, Hold, RFL, Waypoint and SSR menus
- Updated Airspace Management Window
- Updated Brightness Window
- Updated CARD
- Updated CPDLC Settings Window
- Updated Flight Plan Window
- Updated Holding List(s), added possibility to define point-specific lists
- Updated Lost List
- Updated NAT List Window (NAT trk msgs now available in Miscellaneous Information Window)
- Updated NAT maps
- Updated Pre-Departure Clearance Window
- Updated Runway In Use Window

- Updated SAP Window
- Updated SEP List
- Updated Time menu
- Updated Vertical Aid Window

COOPANS version specific:

- Added Air Traffic Flow Management Window
- Added Airfield Data Window
- Added Clock Window
- Added Current Operational Load Window
- Added FPCA Status Window
- Added Global Menu SIGMET number functionality
- Added individual quick look
- Added Multi-QDM
- Added Operational Load Forecast Window
- Added QDM/MINSEP vector preview
- Added Shortcut Window
- Added Small QNH/TL Window
- Added STCA Alerts List
- Added possibility to temporarily hide CFL/RFL/AHDG/ASP/ARC/NPT tactical coordination and CPDLC values in selected labels to see active values
- Updated CJI Filtering Window
- Updated QDM vector labels
- Updated RWL Window (OFF, NM, NME and KM options)
- Updated scale marker

Non-COOPANS version specific:

- Updated Track Control Window

# Version 2.4.1 (October 2022)
- Service release with some bug fixes

# Version 2.4 (April 2022)
Data file changes:

- Added Aircraft data file (and Flight Plan Window entries checked against it)
- Added Airports data file
- Added ICAO_Aircraft.txt and ICAO_Aircraft.json data files
- Updated airspace data file syntax (initial_cfl, cfl_*, ta_circle and ta_polygon added)
- 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)
- Removed TopSkyCallsigns.txt data file (now checks only for ICAO_Airlines.txt)

- Removed TopSkyCallsignsLocal.txt data file (renamed ICAO_Airlines_Virtual.txt)

Setup/system changes:

- Added adjustable refresh rate for AHDG/QDM vectors
- Added AIW callsign and SSR code inhibits (the same as for the other safety nets)
- Added APW warning sound (and controls in Settings/Setup menu)
- Added automatic ASSR assignment when clicking "Assume" on Callsign menu when no code assigned
- Added auto-update to weather data
- Added code to check the used EuroScope version and enable/disable affected plugin features
- Added dedicated SSR code range for automatic assignment from the Create APL Window
- Added enhanced AFL display option and related tag function
- Added FIC position setting
- Added FPASD track filtering based on sector state
- Added GUI font options
- Added ICAO FPL implementation (partial, can't influence EuroScope's mode S radars)
- Added key shortcuts to toggle maps and send manual transfers
- Added line option for RDF (antenna position setting)
- Added new ICAO format options to "use equipment codes"
- Added setting to make TSA Areas display respond to altitude filtering
- Added settings for APW and MSAW filtering on sector state
- Added settings to highlight WTC item based on ATYP/WTC
- Added sound options for ROF, RTI and TIP
- Added support for RECAT-EU and ICAO eWTS wake turbulence groups
- Added tag functions to toggle GS and WTC item highlights
- Implemented division into uncontrolled and controlled tracks (affects for example entry into plugin custom flight lists, track coloring, eligibility for filtering)
- Changed alert sound file naming
- Changed Info points to be automatically enabled when specified key is down (<ALT> by default)
- Changed Sign In to be automatic (can be disabled in local settings file)
- Updated cursor files, changed file naming
- Updated default colors
- Updated label field highlights to be synchronized between instances (on same computer)
- Updated MTCD code (general updates, potential predicted and potential risk added, CARD and VAW View menus updated accordingly)


General changes:

- Added "+/-" options to ASP menu
- Added Document Viewer Window (to browse/search aircraft, location and operator databases)
- Added VCI menu
- Added Waypoint menu for answering coordinations, responding to route downlinks and sending uplinks
- Changed "R/T" button to "R/T" and "CPDLC" in menus
- Moved SBY/UNABLE response buttons to level requests from RFL to CFL menu
- Moved STCA warning sound toggle to Settings/Setup menu

- Updated Create APL Window
- Updated MTCD Status Window

COOPANS version specific:

- Changed ROF function: "ROF" indication shown also for sender
- Added "Resume" button to ASP menu
- Changed CFL menu to show RFL value
- Added Sector, Load Factor, Uncontrolled 1/2, ETWR, Resectorisation and Traffic Management 1/2 lists
- Added vertical separation tool (subfunction of the separation tool)
- Increased available separation tools to 7
- Updated Radar Menu and Track Control Window

Non-COOPANS version specific:

- Added Sector, Pre-Activation and Main/Secondary VFR lists

# Version 2.3.1 (February 2021)

Data file changes:

- 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 CPDLC data file syntax (available data fields for the datalink clearances)
- Updated Maps data file syntax (layer/global/default_global/default_screen-specific/override_sct_map/textalign added, color changed)

Setup/system changes:

- Added 4th extended label F15/F18/OPTEXT/OPTEXT2 tag items, allowing for wider extended label
- Added custom CLAM and RAM alerting
- Added EST/DEP/ABT tag item and function
- 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
- Added setting to exclude non-departed traffic from MTCD processing
- Added setting to limit max time from sector entry for CPDLC logon auto-accept
- Added settings to adjust Airspace Management Window column widths
- Added settings to use metric-specific levels in plugin menus and to customize the rounding of metric levels

General changes:

- Added APW alert coloring to callsign field
- Added Departure Coordination Window
- Added Unit Settings submenu
- Changed flight leg point labels (available fields and their order)

Non-COOPANS version specific:

- Updated Track Control Window (added flight leg fields)

# Version 2.3 (August 2020)

Data file changes:

- Updated Areas and AreasManualAct data files syntax
- Updated Callsign data file syntax (added possibility to point to another file)
- Updated Maps data file syntax (screen-specific, active, asrdata, added possibility to adjust font size/style, draw polygons, etc.)
- Updated Radars data file syntax (terrain masking)
- Updated SSR data file syntax (OAT/GAT, remarks, group definitions, priority, type, descr)
- Updated STCA data file syntax (NTZ)

Setup/system changes:

- Added Informed 2 & 3 colors, adjusted corresponding settings syntax
- Added possibility to automatically set the EuroScope "dcenter" value
- Added possibility to save Manual area activity data (Plugin status menu)
- Added possibility to scale various plugin graphical elements
- Added separate colors for Proposition In & Out as well as for the auto-generated maps
- Added setting to enable automatic Sign In
- Added settings to adjust font styles and other ones
- Changed code so that R flag accepts PRNAV capable aircraft also as BRNAV capable
- Changed code so that setting AHDG via RPS selects aircraft as ASEL
- Changed datalink clearance formats (messages split to header and message parts)
- Changed NOTAM area activation code to handle also metric level references
- Changed primary radar video to use ESE file radar hole data if no terrain masking data available

General changes:

- Added code to keep certain controller-entered data for a while for disconnected tracks, and automatically re-apply the data if the track reconnects within that time
- Added NAT Track Messages Window and auto-generated NAT maps
- Added REGIONS maps from sector file
- Changed Holding List ETO column to show holding start time once holding entered
- Changed Track Control Window selections to be radar screen specific
- Updated Weather Messages Window (SNOWTAMs added)

COOPANS version specific:

- Changed maximum number of Min Sep Tools to 5

Non-COOPANS version specific:

- Updated Global Menu (filters part)

# Version 2.2.0.1 (December 2019)
- Service release with some bug fixes

# Version 2.2 (March 2018)

Data file changes:

- Added AreasManualAct data file
- Added CallsignsLocal data file
- Updated Airspace data file syntax (Custom level values possible in level menus)
- Updated Areas data file syntax
- Updated Maps data file syntax
- Updated SSRcodes data file syntax
- Updated STCA data file syntax

Setup/system changes:

- Added custom magnetic declination model (IGRF and WMM models, years 2000-2020)
- Added settings to save window states and positions
- Added option for 4D FPCP
- Added option to use ESE defined squawk codes
- Added plugin update check
- Updated area/map activation by NOTAM - possible also without a specified text
- Updated ASSR assignment code
- Updated mouse wheel functionality to work with Windows 10
- Updated MTCD/SAP code
- Updated STCA code

General changes:

- Added area user text to area label
- Added CPDLC & DCL/PDC features
- Added DSQ menu
- Added FPASD tracks controlling via Global Menu (have to be enabled in ES settings to get the data)
- Added LFUNC Frequency Plan Window
- Added Mode S features
- Added Primary Frequency Messages Window
- Added Time menu
- Changed area labels, added area hotspots
- Changed RADSEP vectors - drawn as great circles instead of straight lines
- Changed RADSEP/FPLSEP/QDM - from any label item with a mouse function, not just RPS
- Changed RAM alerts - inhibited for holding flights
- Changed rejected RTI/TIP - value is removed from the label after 60 seconds
- Updated AHDG and QDM vectors - can be set to be either rhumb lines or great circles
- Updated General Information Window
- Updated Lost List
- Updated Stack Manager Window

COOPANS version specific:

- Added TOC and TOD markers flight leg

Non-COOPANS version specific:

- Added flight plan minimum separation lines (5)
- Changed radar minimum separation lines, now 5 possible (previously only 1)
- Changed RPS's
- Updated Callsign menu
- Updated Radar menu
- Updated TSA Areas Window

## Version 2.1.1 (April 2015)

Service release with some bug fixes

## Version 2.1 (April 2015)

Data file changes:

- Updated Areas data file syntax

Setup/system changes:

- Added area activation based on NOTAMs
- Added Informed state
- Added possibility to filter PSR-only uncorrelated tracks based on groundspeed
- Added possibility to select METAR source (VATSIM/FAA)
- Updated Message In/Out Window code

General changes:

- Added Aerodrome Window
- Added airways, navaids, airports and fixes from sector file in Maps Window
- Added auto-generated maps in MISC folder
- Added keyboard shortcuts for some plugin functions
- Added Lost List
- Added NOTAM List Window
- Added possibility to assign direct-to also with the AHDG vector
- Added possibility to switch Maps Window auto-closing off
- Added RTI and TIP coordinations
- Added Runway In Use Window
- Added Tactical Info Window
- Added Tactical Transfer Menu
- Changed Radar menu to open by <ALT>+<rightclick> on the radar screen background
- Changed SID/STAR/ARWY coloring
- Changed STCA alert to override any filtering
- Updated CARD
- Updated Weather Messages Window

COOPANS version specific:

- Added "HS" (high speed) option in the ASP menu
- Added SEP List
- Changed Callsign, Radar and CFL menus
- Changed SEP tool (3+1 lines available)

## 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)

Major update, plugin name changed to TopSky plugin

## Version 1.1 (August 2010)

Added areas, NOTAM downloads, APW, SAP, …

## Version 1.0 (January 2010)

First release (EUROCAT 2000 E plugin)