TopSky plugin for EuroScope

- version 2.1 -

Denmark/Sweden

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1 Track presentation

The presentation of radar and flight plan tracks consists of the following elements:

- Aircraft position symbol
- History dots
- Prediction line
- Track label

1.1 Colors

Most of the track presentation coloring depends on the flight sector state. The states are as follows:

| | Sector state name | Color name | Condition |
|---|--------------------|----------------|---|
| - | Unconcerned | "Unconcerned" | Track will not enter the active sector |
| - | Notified | "Concerned" | Track will enter the active sector (> 15 min) |
| - | Coordinated | "Coordination" | Track will enter the active sector (< 15 min) |
| - | Assumed | "Assumed" | Track is assumed |
| - | Transfer Initiated | "Assumed" | Track is being transferred to the next controller |
| - | Redundant | "Redundant" | Track has been transferred to the next controller |
| | | | but is still inside the active sector |

An unconcerned track can be highlighted based on rules (a combination of departure airport, route and arrival airport) defined in plugin data files. In this case it is drawn with "Informed" color.

Many track label fields have specific coloring rules to indicate various events. Refer to Label fields description for these. For the color definitions, refer to Colors.

1.2 Aircraft position symbol

The position symbol is drawn at the latest known position of the aircraft. The color of the symbol is the flight sector color for an unselected track and "Track Highlight" for a selected one. A number of different symbols are available. To begin with, there are five basic shapes that tell what kind of track is in question:

- X Flight plan track (position is not based on surveillance data but calculated by EuroScope)
- O Coasted track (no position updates in over 30 seconds, position no longer reliable)
- Primary radar track
- Uncontrolled secondary or combined radar track
- Controlled secondary or combined radar track

An indication of an SPI (transponder ident) can be added to either of the two last symbols. It draws a cross over the symbol and prints the text "SPI" above and to the right of the symbol:



Controlled secondary or combined radar track with Special Position Indication

For all the three radar position symbols, a divergence alert will be drawn in case of a RAM or CLAM alert. This is a circle drawn around the symbol (will not be drawn if SPI is active):



Controlled secondary or combined radar track with divergence alert

1.3 History dots

The history dots show the previous positions of the track. The number of displayed dots can be changed via the Track Control Window. The color of the dots is the flight sector color for an unselected track and "Track Highlight" for a selected one. History dots are not displayed for flight plan tracks.

1.4 Prediction line

The prediction line draws the predicted ground track of the aircraft, based on its current track and ground speed. It is a two color line, starting with "Track Default" at the position symbol and then alternating with "Track Highlight", with every segment representing one minute of flying time. The length of the prediction line can be changed for all tracks via the Track Control Window, or for a single track via the PRL menu. The example below shows a selected track with 5 history dots and a 3-minute prediction line. Prediction lines are not displayed for flight plan tracks.



1.5 Track label

There are four types of track labels that can be displayed: *Standard, Reduced, Extended* and *Uncorrelated*. In addition, each label except the extended one has an *unselected* and a *selected* state, the *selected* state being shown when the mouse cursor is over the label.

Basically, the *Standard* label is shown for aircraft that are in or will enter the active sector and the *Reduced* label for aircraft that will not enter the active sector. The *Extended* label can be opened from the *Standard* or *Reduced* label and stays open as long as the cursor is within the label area. The *Uncorrelated* label is shown for radar tracks that aren't correlated with a flight plan.

The following descriptions show the positions of the data fields in the different labels of the set that is provided with the plugin and the available mouse click areas. The contents and any special coloring rules for the data fields are explained in <u>Label fields description</u>. Note that an uncorrelated primary radar track will not show a label at all.

Data fields in grey color can be selected globally on/off via the Track Control Window, or for some of them, for individual tracks via the selected or *Extended* track label. In case of the CFL/PEL field, only the PEL display can be selected off.

1.5.1 Uncorrelated label

Unselected track

Selected track

| EMRG ALRT | EMRG ALRT |
|-----------|-----------|
| TSSR | TSSR |
| AFL a GS | AFL a GS |

1.5.2 Reduced label

Unselected track

Selected track

| V W EMRG ALRT | COM * V W M A + C TEL I EMRG ALRT TEXT2 |
|-------------------------------------|---|
| MTCD CALLSIGN SI NRAC ATYP WTC TSSR | MTCD CALLSIGN SI NRAC ATYP WTC TSSR |
| AFL a GS NPT ADES | AFL a GS NPT ADES |
| | CFL |
| | OP_TEXT [max 2 lines of text] |

1.5.3 Standard label

Unselected track

Selected track

| COM VWRPYM • • A + C TEL I EMRG ALRT RI COORD TEXT2 |
|---|
| MTCD CALLSIGN SI NRAC ATYP WTC TSSR |
| AFL a COPN/COPX GS NPT RFL ADES |
| CFL/PEL XFL AHDG ASP |

COM * V W R P Y M • • A + C TEL I EMRG ALRT RI COORD TEXT2
MTCD CALLSIGN SI NRAC ATYP WTC TSSR
AFL a COPN/COPX GS NPT RFL ADES
CFL/PEL XFL AHDG ASP
OP_TEXT [max 2 lines of text]

1.5.4 Extended label

COM * V W R P Y M • • A + C TEL I EMRG ALRT RI COORD TEXT2

MTCD CALLSIGN SI NRAC ATYP WTC

AFL a COPN/COPX GS NPT RFL ADES

CFL/PEL XFL AHDG ASP

EET

ALT1 ALT2

COMP_CS
FIELD15 [max 6 lines of text]
FIELD18 [max 6 lines of text]
MALRT OP_TEXT [max 2 lines of text]
OP_TEXT2

1.5.5 Mouse functions in track labels

| Data field | Left-click action | Right-click action | |
|------------|-----------------------------------|------------------------------------|--|
| * | Toggle units | | |
| + | | Open extended label | |
| Α | | Open extended label | |
| ADES | Open Flight Plan Window | Toggle display in unselected label | |
| AFL | Open AFL menu | Toggle flight leg display | |
| AHDG | Open AHDG menu / AHDG vector | | |
| ASP | Open ASP menu | Clear assigned ASP value | |
| ASSR | Open ASSR menu | | |
| ATYP | Toggle aircraft type highlight | Toggle display in unselected label | |
| С | Toggle inbound clearance flag | | |
| CALLSIGN | Open Callsign menu | Open extended label | |
| CFL/PEL | Acknowledge PEL highlight, | Toggle flight leg display | |
| | Open CFL / COPN altitude menu | | |
| COORD | Open Tactical Transfer menu | Open Tactical Info Window | |
| COPN/COPX | Open Waypoint menu | Toggle flight leg display | |
| GS | | Toggle display in unselected label | |
| | | Open extended label | |
| M | Toggle military coordination flag | | |
| NPT | Open Waypoint menu | | |
| OP_TEXT | Edit OP-TEXT | | |
| OP_TEXT2 | Edit OP-TEXT2 | | |
| RFL | Open RFL menu | | |
| SI | Open next controller menu | Toggle sector ID/freq display | |
| TEL | Accept manual coordination | | |
| TEXT2 | | Open extended label | |
| TSSR | Open correlate popup | | |
| XFL | Open COPX altitude menu | Toggle flight leg display | |

2 Flight lists

The ES default lists have the following items and functionality (some fields are deselected by default):

2.1 Sector In List (SIL) and Sector Exit List (SEL)

| Data field | Left-click action | Right-click action | |
|-------------------------|---|----------------------------|--|
| U | Toggle units | units | |
| No | | | |
| C/S | Open Callsign menu | | |
| W | | | |
| R | | | |
| ETN | Open estimate popup | | |
| PEL | Acknowledge PEL highlight, Open COPN altitude coordination list | Toggle flight leg display | |
| COPN | Open Waypoint menu | Toggle flight leg display | |
| CFL | Open CFL menu | Toggle flight leg display | |
| XFL | Open COPX altitude coordination list | Toggle flight leg display | |
| COPX Open Waypoint menu | | Toggle flight leg display | |
| RFL Open RFL menu | | | |
| ASSR Open ASSR menu | | | |
| ADEP | | | |
| ADES | Open Flight Plan Window | Open ES flight plan dialog | |
| SI | Open next controller popup list | | |
| ATYP | P Toggle ATYP highlight | | |
| ETA | Open estimate popup | | |
| STAR | AR Open STAR setup popup list | | |
| ARWY | Open RWY setup popup list | | |

2.2 Departure List

| Data field | Left-click action | Right-click action |
|-----------------------------------|--------------------------------------|----------------------------|
| U | Toggle units | |
| No | | |
| C/S | Open Callsign menu | |
| W | | |
| R | | |
| TIME | | |
| DSQ | | |
| CFL | Open CFL menu | Toggle flight leg display |
| XFL | Open COPX altitude coordination list | Toggle flight leg display |
| COPX | Open Waypoint menu | Toggle flight leg display |
| ADEP | | |
| ADES | Open Flight Plan Window | Open ES flight plan dialog |
| RFL | Open RFL menu | |
| ATYP Toggle ATYP highlight | | |
| ASSR | Open ASSR menu | |
| AHDG | Open AHDG menu | |
| SID | Open SID setup popup list | |
| DRWY Open RWY setup popup list | | |
| SI | Open next controller popup list | |
| DEP Open ground status popup list | | |
| CLR | Set clearance received flag | |

2.3 Arrival List

| Data field | Left-click action | Right-click action |
|------------|--------------------|--------------------|
| C/S | Open Callsign menu | |
| OP_TEXT2 | Edit OP-TEXT2 | |

2.4 Flight Plan List

| Data field | Left-click action | Right-click action |
|------------|--------------------------------------|----------------------------|
| C/S | Open Callsign menu | |
| R | | |
| ETO | Open estimate popup | |
| PEL | Open COPN altitude coordination list | Toggle flight leg display |
| ADEP | | |
| ADES | Open Flight Plan Window | Open ES flight plan dialog |
| STS | Open FP track status popup | |

3 Label fields description

Treatment of fields with no data

In the unselected track labels, a data field that contains no data will be blank. An exception to this is the AFL field which will display "AFL" when no altitude data is available for the track. In the selected and extended track labels a field with no data will still be displayed, usually displaying the field name (for example "AHDG"). Exceptions to this are all fields on line 0, the attitude indicator, FIELD15, FIELD18 and MALRT data fields. In flight lists, the display of a field with no data depends on the specific field.

Active and inactive indicators

Some of the indicator characters in line 0 of the track label have active and inactive states. In the inactive state the indicator is not shown on the unselected label, and on the selected and extended labels it is shown after the other indicators and in the normal flight sector color. For example when clicking the Inbound clearance indicator, it changes to inactive state. Clicking the inactive indicator in the selected or extended label will restore it to active state.

Data fields description and coloring

The table below describes the data fields used in the labels and flight lists and their coloring rules, if different from the normal flight sector colors.

| Data field | Description | Comments | Color |
|------------|-----------------------|------------------------------------|-------------------------|
| • | Frequency | "•", set from Callsign menu | Freq Indicator |
| • | Mark | "•", set from Callsign menu | Information |
| + | Field 18 information | "+" if | |
| | | "PER/", "RMK/" or "STS/" | |
| | | found in FPL remarks field | |
| * | Unit | "*" if label units are different | If metric system units |
| | | from the other aircraft | chosen: Warning |
| Α | Manual alerts | "A" if Manual alert(s) active | Warning |
| а | Attitude indicator | Climbing: up arrow | |
| | | Descending: down arrow | |
| | | Level flight or unknown: blank | |
| ADEP | Departure aerodrome | ICAO code, 4 characters | |
| ADES | Destination aerodrome | ICAO code, 4 characters | |
| AFL | Actual Flight Level | Nautical: | Manually set: Warning |
| | | FL's with 3 digits, altitudes "A"+ | Mark All: CARD Mark All |
| | | 2 digits, heights "E"+ 2 digits, | S-Highlight: Warning |
| | | in hundreds of feet | |
| | | Metric: | |
| | | FL's with 5 digits, altitudes | |
| | | "M"+max 4 digits, heights | |
| | | "E"+max 4 digits, leading spaces | |
| | | added if necessary to make 5 | |
| | | characters total | |

| Data field | Description | Comments | Color |
|----------------|------------------------|-------------------------------------|----------------------------|
| AHDG | Assigned heading | Assigned heading ("H"+ 3 digits) | If a value is assigned and |
| | | or direct point name. | HOP: Proposition |
| | | <u>Unselected label:</u> | |
| | | Point name is not shown for | If a tactical coordination |
| | | unselected track if it is the same | value is accepted but not |
| | | as the COPX | set: Information |
| ALRT | Alert message | "MSAW", "APW", "AIW", | MSAW, APW or AIW: |
| | | "CLAM", "RAM" or "DUPE" | Warning |
| | | (in this priority order) | |
| ALT1 | Alternate aerodrome 1 | ICAO code, 4 characters | |
| ALT2 | Alternate aerodrome 2 | Second alternate can be set by | |
| | | inserting "ALT2/XXXX" (where | |
| | | XXXX is the aerodrome ICAO | |
| | | code) into the FPL remarks field | |
| ARWY | Arrival runway | Arrival runway identifier | If manually assigned: |
| | | | Rwy Locked |
| ASP | Assigned speed | Mach "M" + 2 or 3 digits, | If a value is assigned and |
| | | in 1/100's of Ma, max "M999". | HOP: Proposition |
| | | "HS" for high speed clearance. | |
| | | Nautical: | If a tactical coordination |
| | | Speed 2 digits, | value is accepted but not |
| | | in 10's of knots, max "99" | set: Information |
| | | Metric: | |
| | | Speed "K"+ 2 digits, | |
| | | in 10's of km/h, max "K99" | |
| ASSR | Assigned mode 3/A code | 4 digits. If no code assigned, | If different than TSSR: |
| | | shows TSSR code if available | Warning |
| ATYP | Aircraft type | Type with max 4 characters | If highlighted: Warning |
| С | Inbound clearance | "C" if ADES is one of the defined | Active state: Information |
| | | airports -> aircraft needs | |
| | | inbound clearance | |
| CALLSIGN | Callsign | If more than one aircraft, | Priority order: |
| (track labels) | | suffixed by "+". If correlated to a | STCA alert: Urgency |
| - /- | | primary track or to a secondary | HOP in: Proposition |
| C/S | | track with no ASSR code and a | Mark Own: CARD Mark Own |
| (flight lists) | | non-discrete TSSR code, suffixed | Highlight: Warning |
| | | by "*". | Mark All: CARD Mark All |
| | | | S-Highlight: Warning |
| | | | |
| | | | If none of the above: |
| | | | Notified: Coordinated |
| | | | Transfer in: Assumed |
| | | | Transfer out: Redundant |
| CFL | Cleared Flight Level | "CA" if Clear for App flag set, | Departure list: |
| | | "VA" if Visual App flag set, | if CTR or FSS & CFL > PEL, |
| | | See AFL field for number format. | for others if CFL > XFL: |
| | | Unselected label: | Warning |
| | | Not shown if equal to AFL | |

| Data field | Description | Comments | Color |
|------------|---------------------------|----------------------------------|--------------------------|
| CFL/PEL | Cleared Flight Level or | PEL is shown for flights in | PEL: |
| | Planned Entry Level | "coordinated" and "ongoing | Ongoing coordination: |
| | | coordination" states, CFL | Proposition |
| | | otherwise. | Change just before ETN: |
| | | "CA" if Clear for App flag set, | Info Coord |
| | | "VA" if Visual App flag set, | Coordination refused: |
| | | See AFL field for number format. | Warning |
| | | Unselected label: | _ |
| | | Not shown if equal to AFL and | |
| | | no ongoing coordination. | |
| СОМ | Communication type | "r" if voice receive only | Warning |
| | , | "t" if text only | |
| COMP_CS | ICAO RTF callsign | The decoded ICAO RTF callsign, | |
| | | "???" if not in database | |
| COORD | Coordination message | "ROF" if a Request On | Coordination |
| | | Frequency message has been | |
| | | received from the next sector | |
| | | | |
| | | The last changed tactical | Proposed: Proposition |
| | | coordination parameter value | Rejected: Warning |
| | | (AHDG, ASP or ARC) | 5,5555 |
| COPN | Entry point | A holding clearance is displayed | Ongoing coordination: |
| | , , , | if there is no coordination. It | Proposition |
| | | shows the holding point name + | Coordination refused: |
| | | " H" or for lat/lon point | Warning |
| | | holdings, "POS H". | |
| | | For a TSA Hold clearance, the | |
| | | area name is shown. | |
| COPX | Exit point | See COPN | Ongoing coordination: |
| | · · | | Proposition |
| | | | Coordination refused: |
| | | | Warning |
| COPN/COPX | Entry point or Exit point | COPN is shown for controlled | Ongoing coordination: |
| , | | flights in "coordinated" and | Proposition |
| | | "ongoing coordination" states, | Coordination refused: |
| | | COPX in "assumed", "transfer | Warning |
| | | initiated" and "redundant". For | |
| | | uncontrolled unconcerned | |
| | | tracks, FIR exit COP (FCOPX) is | |
| | | shown here. | |
| | | For more information see COPN. | |
| DRWY | Departure runway | Departure runway identifier | If the runway is not an |
| | , | , | active departure runway: |
| | | | Clearance flag not set: |
| | | | Proposition |
| | | | Clearance flag set: |
| | | | Information |
| EET | Estimated Elapsed Time | "ННММ" | |
| | | 1 | l . |

| Data field | Description | Comments | Color |
|------------------------|---|--|-----------------------|
| EMRG | Emergency | "HI" for squawk 7500, | Urgency |
| | | "CF" for squawk 7600, | |
| | | "EM" for squawk 7700 | |
| EOBT/ETD/ATD | Estimated Off-Block Time For a departed aircraft, shows | | |
| , , | or Estimated Time of | the actual departure, otherwise | |
| | Departure or Actual Time | the estimated departure time. | |
| | of Departure | "HHMM", both times taken | |
| | or Dopartar 5 | from the FPL data | |
| ETA | Estimated Time or Arrival | "HHMM" | |
| ETN | Estimated Time over | "HHMM" | |
| | COPN or sector entry | | |
| FIELD15 | Speed/Level/Route | The flight plan field 15 data | |
| | | (TAS, RFL and route). | |
| | | Max 270 characters | |
| FIELD18 | Other information | The flight plan field 18 data | |
| 1122510 | Gener information | (remarks). Max 270 characters | |
| FLTADD | Mode S transponder | Displays the mode S | |
| | address | transponder hex address for | |
| | 444.655 | mode S targets (if found in the | |
| | | flightplan) | |
| FLTID | Mode S Callsign value | Displays the radar track callsign | |
| TETIO | Wiode 3 Calisign value | for mode S targets | |
| GS | Ground Speed | Nautical: | |
| d3 | Ground Speed | 3 digits, in knots, max "999". | |
| | | Optionally prefixed by "N". | |
| | | Metric: | |
| | | "K"+ 3 digits, in km/h, | |
| | | max "K999" | |
| 1 | Flight information | "I" if OP-TEXT has data | |
| N 4 | | | Active state: Warning |
| М | Military coordination | "M" if military coordination is | Active state: Warning |
| NAALDT | N.A. a. a. a. l. a. | required | M/a maina a |
| MALRT | Manual alerts | Displays alerts entered via the | Warning |
| MATCO | NATCO in director | Callsign menu "•" if aircraft has an MTCD | Han an an |
| MTCD | MTCD indicator | | Urgency |
| NDAC | Niversia and advanta | problem | |
| NRAC (track labels) | Number of aircraft | Number from 2 to 99 | |
| (track labels) | | Extended label: "n" if 1 | |
| No | | | |
| (flight lists) | | Other label or flight list: | |
| (g.reo.co/ | | blank if 1 | |
| | | Number can be set by andiving | |
| | | Number can be set by prefixing | |
| | | the aircraft type in the FPL by | |
| | | "X/" where X is the number | |
| NDT | Novt point | (max 99). | |
| NPT CP. TEVT | Next point | Next point on the route | |
| OP_TEXT | Flight information | User entered text, | |
| OD TEVTS | message | stored in the flight strip | |
| OP_TEXT2 | OP-TEXT2 message | User entered text, | |
| | | stored in the scratchpad | |

| Data field | Description | Comments | Color |
|----------------|---------------------------|-----------------------------------|----------------------------|
| Р | No P-RNAV capability | "P" if aircraft equipment is not | Information |
| | | indicating P-RNAV capability and | |
| | | destination has P-RNAV arrival | |
| | | procedures | |
| PEL | Planned Entry Level | "CA" if Clear for App set, | Ongoing coordination: |
| | | "VA" if Visual App flag set, | Proposition |
| | | See AFL field for number format. | Change just before ETN: |
| | | | Info Coord |
| | | | Coordination refused: |
| | | | Warning |
| PSSR | Previous mode 3/A code | If not known, shows ASSR value. | |
| | | Otherwise format as ASSR field. | |
| R | No B-RNAV capability | "R" if aircraft equipment is not | Not approved: Urgency |
| (track labels) | | indicating B-RNAV capability | Unknown: Unknown |
| R | Flight rules | "V" if VFR, | |
| (flight lists) | | "Y" if first IFR and later VFR, | |
| | | "Z" if first VFR and later IFR | |
| RFL | Requested Flight Level | See AFL field for format | |
| RI | Release Indicator | "F" fully released | During transfer: |
| | | "C" released for climb | Proposition |
| | | "D" released for descent | |
| | | "T" released for turns | |
| | | Incoming release disappears 3 | |
| | | min after track is assumed, | |
| | | outgoing when track is no | |
| | | longer redundant. | |
| SI | Sector Indicator | Assumed track: | Priority order: |
| | | Next sector identifier or | Outgoing HOP: |
| | | frequency. | Proposition |
| | | Other tracks: | Transfer out: |
| | | Tracking controller identifier or | Redundant |
| | | frequency. | Manually changed next |
| | | | sector: Warning |
| | | | Normal next sector: |
| CID | A | CID 14 - 11ft - | Coordination |
| SID | Assigned/planned SID | SID identifier | If automatically assigned: |
| | | | Sid Star No Allocation |
| | | | If manually assigned: |
| CTAD | Assimpted Automobile CTAR | CTAD : de maifie m | Sid Star Allocation |
| STAR | Assigned/planned STAR | STAR identifier | If automatically assigned: |
| | | | Sid Star No Allocation |
| | | | If manually assigned: |
| | | | Sid Star Allocation |

| Data field | Description | Comments | Color |
|----------------|--------------------------------|--|--|
| TEL | Manual coordination flag | Displays a telephone symbol | ES Symbology dialog -> |
| | (EuroScope default item) | when ongoing coordination has | Datablock -> |
| | | been attempted with a | information |
| | | controller not using EuroScope. | |
| | | Coordinate manually (using text | |
| | | messages, interphone, etc.) and | |
| | | then click the symbol to accept | |
| | | the coordination values. | |
| TEXT2 | OP-TEXT2 message | If more than 10 characters, then | |
| | | shows first 9 + ">" | |
| TSSR | Aircraft transponded | 4 digits | |
| | mode 3/A code | | |
| U | Unit | "*" if label units are different | If metric system units |
| | | from the other aircraft | chosen: Warning |
| V | Flight rules | "V" if VFR, | |
| | | "Y" if first IFR and later VFR, | |
| | | "Z" if first VFR and later IFR | |
| W | No RVSM capability | "W" if aircraft equipment is not | Not approved: Urgency |
| (track labels) | | indicating RVSM capability | Exempt: Information |
| | | | Unknown: Unknown |
| W | Wake turbulence | "J" for Super, | |
| (flight lists) | category | "H" for Heavy, | |
| | "M" for Medium, | | |
| | | "L" for Light | |
| WTC | Wake turbulence "J" for Super, | | If highlighted: Warning |
| | category | "H" for Heavy, | |
| | | "M" for Medium, | |
| | | "L" for Light | |
| | | Unselected label: | |
| | | Blank if "M" | |
| XFL | Exit Flight Level | "CA" if Clear for App set, | Ongoing coordination: |
| | | "VA" if Visual App flag set, | Proposition |
| | | See AFL field for number format. | Coordination refused: |
| | | Unselected label: | Warning |
| | | | |
| | | and no ongoing coordination. | |
| Υ | No 8.33kHz capability | | Not approved: Urgency |
| | , , | indicating 8.33kHz capability | Exempt: Information |
| | | | Unknown: Unknown |
| Υ | No 8.33kHz capability | See AFL field for number format. <u>Unselected label:</u> Not shown if equal to CFL/PEL and no ongoing coordination. "Y" if aircraft equipment is not | Coordination refused: Warning Not approved: Urgency Exempt: Information |

4 Colors

The following table shows the plugin defined colors (and where applicable, their EuroScope counterparts, which should be set the same for best results). The Usage column indicates where the colors are used (the list may not be complete). In the aircraft colors "Labels" means track labels and any lists where aircraft information is displayed, "Tracks" radar position symbols, history dots, prediction lines and divergence symbols.

All the EuroScope colors in the table can be found in the *Datablock* group in the *Symbology* dialog except the active and inactive sector backgrounds which are in the *Sector* group.

| Color name | Corresponding ES color | Default | Usage |
|------------------------|------------------------|---------|--|
| | | color | |
| Aircraft colors | 1 | | |
| Assumed | assumed | | Labels, Tracks |
| CARD Mark All | | | Labels |
| CARD Mark Own | | | Labels |
| Concerned | | | Labels, Tracks |
| Coordination | notified | | Labels, Tracks |
| Freq Indicator | | | Labels |
| Info Coord | | | Labels |
| Information | | | Labels, Windows |
| Informed | | | Labels, Windows |
| Proposition | | | Labels |
| Redundant | redundant | | Labels, Tracks |
| Rwy Locked | | | Labels |
| Sid Star Allocation | | | Labels |
| Sid Star No Allocation | | | Labels |
| Suite Highlight | | | Labels |
| Track Default | | | Tracks |
| Track Highlight | | | Tracks (when selected) |
| Unconcerned | non concerned | | Labels, Tracks |
| Unknown | | | Labels |
| Urgency | | | Labels, CARD callsign STCA background |
| Warning | information | | Labels, Windows |
| Aircraft related items | on the radar screen | | |
| AIW Intrusion | | | Prediction line with AIW alert active |
| CARD Min Sep | | | CARD SEP Tool |
| Flight Leg | | | Part of flight leg without MTCD and SAP coverage |
| Heading Vector | | | Heading vector |
| Information FL | | | Part of flight leg with no MTCD or SAP problems |
| Potential FL | | | Part of flight leg with MTCD or SAP potential conflict |
| QDM | | | QDM vector |
| SEP Tool 1 | | | SEP Tool 1 |
| SEP Tool 2 | | | SEP Tool 2 |
| SEP Tool 3 | | | SEP Tool 3 |
| Urgency FL | | | Part of flight leg with MTCD or SAP conflict |
| Warning FL | | | Part of flight leg with MTCD or SAP risk |

| Color name | Corresponding ES color | Default color | Usage |
|------------------------|----------------------------|---------------|---|
| Map colors | | | |
| Active Map Type 1 | | | Active TSA map type 1 border |
| Active Map Type 2 | | | Active TSA map type 2 border |
| Active Map Type 3 | | | Active TSA map type 3 border |
| Active Map Type 4 | | | Active TSA map type 4 border |
| Active Map Type 5 | | | Active TSA map type 5 border |
| Active RD Infill Map | | | Active TSA map fill |
| Active Text Map | | | Active TSA map text |
| Map 1 | | | Auto-generated maps |
| Map 2 | | | Auto-generated maps |
| Map 3 | | | Auto-generated maps |
| Map 4 | | | Auto-generated maps |
| Map Hotspot | | | Map hotspots |
| Map Info | | | Range rings |
| Preactive Map | | | Pre-active map border |
| Preactive Text Map | | | Pre-active map text |
| Predisplay Map | | | Pre-display map border |
| Rwy App Line Inuse | | | Runway approach line for runways in use |
| Rwy App Line Not Inuse | | | Runway approach line for runways not in use |
| Window and menu col | lors | | |
| Arm | | | Inactive window texts |
| Active Sector | active sector background | | Stack Manager Window, VAW |
| Background | - J | | Background |
| Border | | | Various lines in windows |
| BottomShadow | | | 3D effects in windows |
| CARD Conflict Number | | | CARD conflict numbers |
| CARD Time Vector | | | CARD time vectors |
| Field Highlight | active item background | | Selected field |
| Flight Highlight | detailed background | | Selected item |
| Foreground | | | Window titles, menu items, active texts, |
| | | | close/min/resize boxes, range marker |
| Global Menu Highlight | | | Highlighted items in the Global Menu |
| Inactive Sector | inactive sector background | | CARD and VAW background |
| Overflown | | | Overflown points in Complete Route Window |
| Potential | | | Potential conflicts in VAW |
| Selected | | | |
| Selected Period | | | Active areas text in area window |
| SMW Level Band | | | AFL-CFL boxes in SMW |
| SMW Overflight | | | Overflight lines in SMW |
| SMW Overlap | | | Overlapping AFL-CFL boxes in SMW |
| SMW Overlap Box | | | Multiple same CFL's box in SMW |
| SMW Overshoot | | | Level bust AFL-CFL boxes in SMW |
| TopShadow | | | 3D effects in windows |
| Trough | | | Slider area background, active selections |
| TSA Active | | | Active areas background in area window |
| TSA Preactive | | | Pre-active areas background in area window |
| VAW Profile | | | Selected aircraft profile in VAW |
| VAW Sector Limits | | | Sector boundaries in VAW |

| Color name | Corresponding ES color | Default color | Usage |
|--------------------|------------------------|---------------|-----------------------------------|
| VAW Track Position | | | Selected aircraft position in VAW |
| WM Active Fg | | | Active window title text |
| WM Bg | | | Window title bar background |
| WM Border | | | Window border line |
| WM Fg | | | Window texts |
| WM Frame | | | Window frame when dragging |
| Other colors | · | - | |
| Raw Video 1 | | | Raw radar video youngest plots |
| Raw Video 2 | | | Raw radar video |
| Raw Video 3 | | | Raw radar video |
| Raw Video 4 | | | Raw radar video |
| Raw Video 5 | | | Raw radar video |
| Raw Video 6 | | | Raw radar video |
| Raw Video 7 | | | Raw radar video oldest plots |
| Text Notes | | | Text notes |