

# EUROCONTROL Seven-Year Forecast Autumn 2019 – ANNEX 1: Region Definition

## Table of Contents

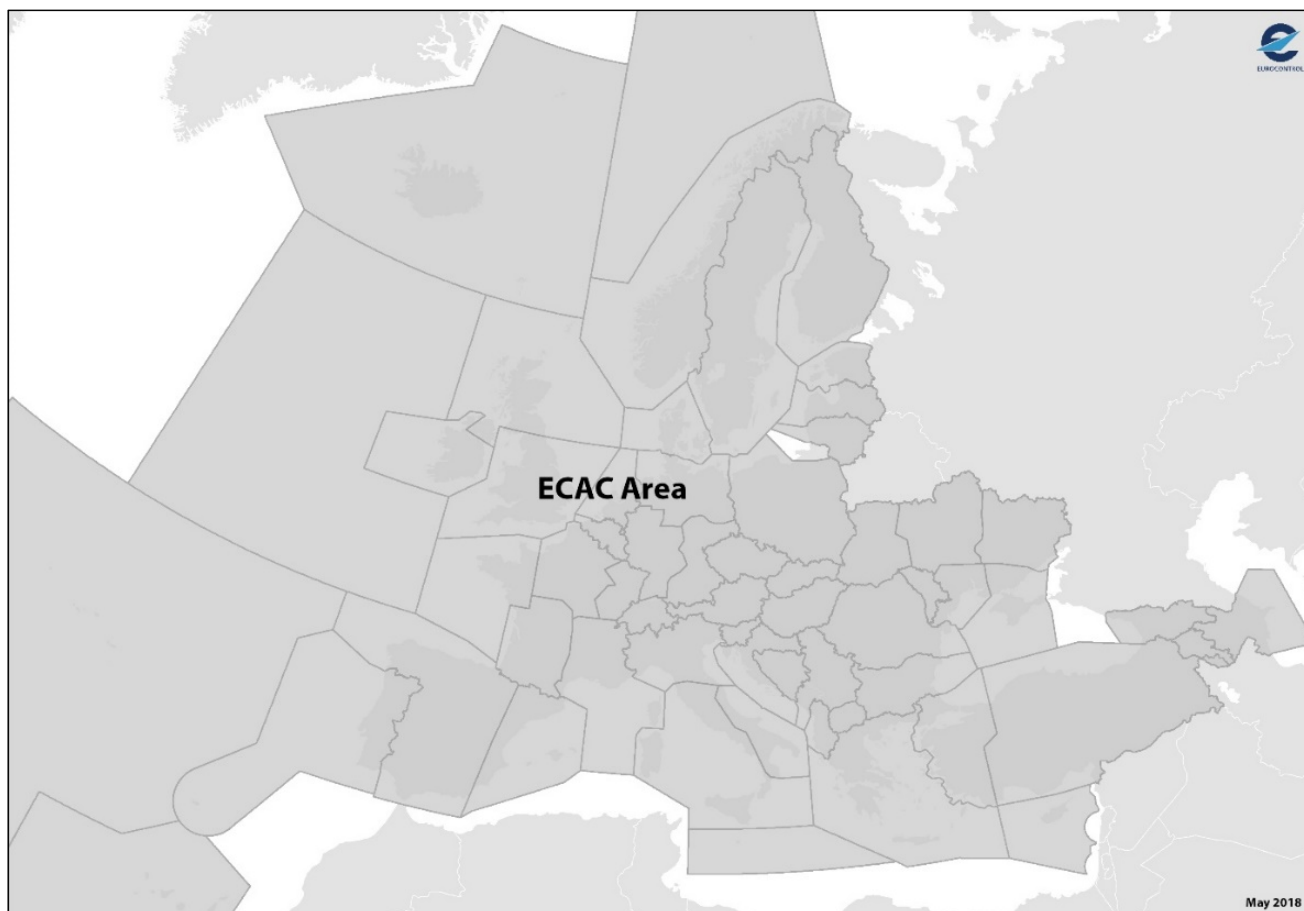
|                                     |   |
|-------------------------------------|---|
| 1. ECAC .....                       | 3 |
| 2. ESRA08 .....                     | 3 |
| 3. CRCO11 .....                     | 4 |
| 4. CRCO14 .....                     | 4 |
| 5. CRCO16 .....                     | 4 |
| 6. EU28 .....                       | 5 |
| 7. RP Regions .....                 | 5 |
| 8. Traffic Regions .....            | 5 |
| 9. Functional Airspace Blocks ..... | 6 |
| 10. Terminal Charging Zones .....   | 7 |

## 1. ECAC

The European Civil Aviation Conference (ECAC) is an intergovernmental organization which was established by ICAO and the Council of Europe. ECAC now totals 44 members, including all 28 EU, 31 of the 32 European Aviation Safety Agency member states, and all 41 EUROCONTROL member states.

It is now used as a basis for comparison at European level in the forecasts.

**Figure 1. Map of the European Civil Aviation Conference (ECAC) Area.**



## 2. ESRA08

The EUROCONTROL Statistical Reference Area (ESRA) is designed to include as much as possible of the ECAC area for which data are available from a range of sources within the Agency 'ESRA08' was introduced in the MTF09 report. It was used as a basis for comparison at European level in the forecasts up to September 2015.

ESRA08 consists of 34 traffic zones. Traffic zones are defined by an aggregate of FIRs & UIR of States. These do not take delegation of airspace into account. For individual States, the differences between charging areas and ACCs can have a big impact on overflight counts (and thus on total counts where the total is dominated by overflights). For the ESRA as a whole, there is only a small proportion of overflights, so that the difference between a FIR and an ACC definition is small.

**Figure 2. The EUROCONTROL Statistical Reference Area.**

### 3. CRCO11

‘CRCO11’ refers to the sum of all the charging zones formed by the EUROCONTROL Member States participating in the Multilateral Route Charges System in 2012. This list comprises: Albania, Armenia, Austria, Belgium/Luxembourg (one single charging zone), Bosnia-Herzegovina, Bulgaria, Canary Islands, Croatia, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lisbon FIR, Lithuania, Malta, Moldova, Netherlands, North Macedonia, Norway, Poland, Romania, Santa Maria FIR, Serbia-Montenegro (one single charging zone), Slovakia, Slovenia, Spain (Spain continental only), Sweden, Switzerland, Turkey, UK.

### 4. CRCO14

‘CRCO14’ refers to the sum of all the charging zones formed by the EUROCONTROL Member States participating in the Multilateral Route Charges System in 2014. This list comprises: CRCO11 and Georgia, which joined EUROCONTROL in 2014.

### 5. CRCO16

‘CRCO16’ refers to the sum of all the charging zones formed by the EUROCONTROL Member States participating in the Multilateral Route Charges System in 2016. This list comprises: CRCO14 and Estonia, which joined EUROCONTROL in 2015.

## 6. EU28

This 7-year forecast report includes EU28, taking the accession of Croatia into account. The traffic counts exclude Canaries and Azores.

## 7. RP REGIONS

RP1Region is the region involved in the Performance Scheme related to the First Reference Period (2012-2014). And RP2Region is the region involved in the Performance Scheme related to both the Second Reference Period (2015-2019) and the Third Reference Period (2020-2024).

- **RP1Region:** stands for the sum over all the 29 States that were involved in the EU-wide performance target setting for the first period, namely: 28 EU Member States plus Norway plus Switzerland minus Croatia.
- **RP2Region:** stands for the sum over all the 30 States that are involved in the EU-wide performance target setting for the second period, namely: 28 EU Member States plus Norway plus Switzerland.

## 8. TRAFFIC REGIONS

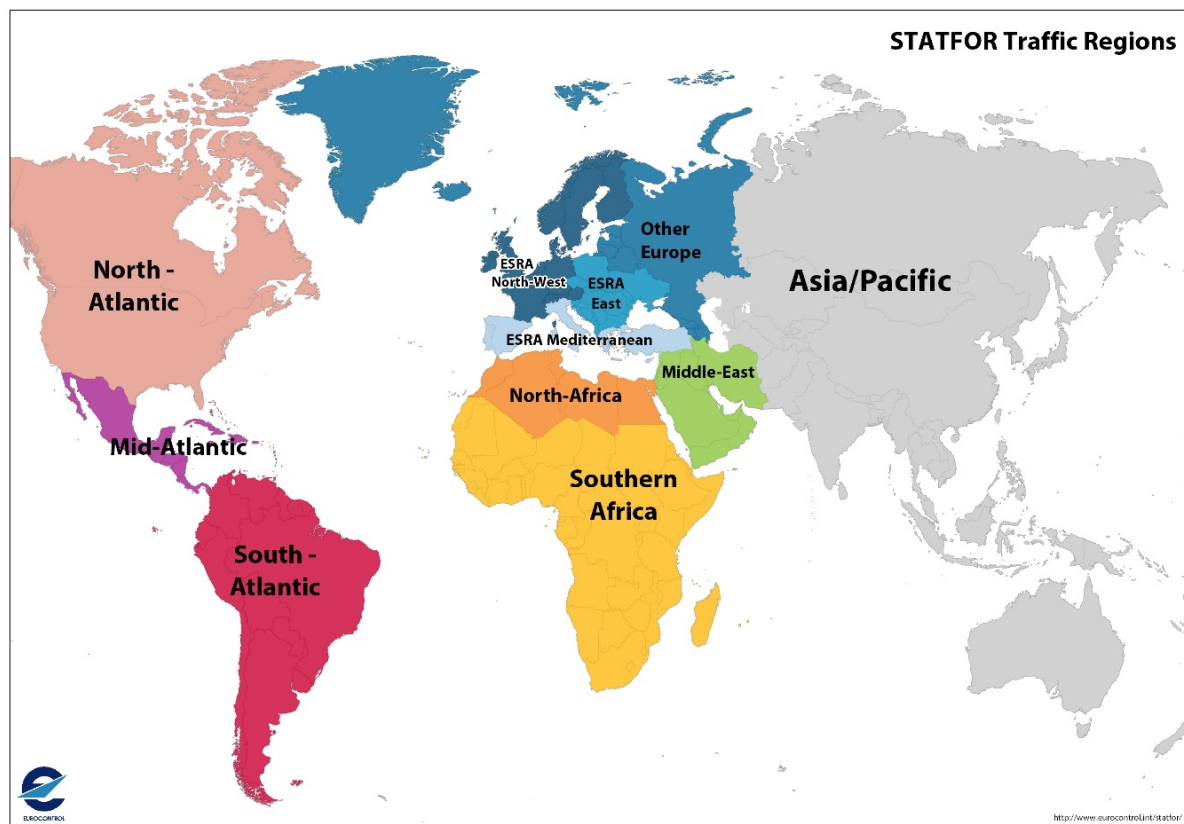
The traffic regions are defined for statistical convenience and do not reflect an official position of the EUROCONTROL Agency. As far as possible, these regions have been aligned with ICAO statistical and forecast regions. Traffic flows are described as being to or from one of a number of traffic regions listed in Figure 3. Each traffic region is made up of a number of traffic zones (=States), which are indicated by the first letters of the ICAO location codes for brevity.

As far as “Europe” is concerned, it is split into two regions: ESRA (defined in one of the previous section) and Other Europe. For flow purposes, ESRA is split into a “North-West” region mostly of mature air traffic markets, a “Mediterranean” region stretching from the Canaries to Turkey and with a significant tourist element, and an Eastern region. The ‘Other Europe’ region (i.e. non ESRA) includes the States along the border of ESRA and extends from Greenland to the Urals and Azerbaijan.

**Figure 3. Regions used in flow statistics as of 31 August 2012.**

|                    | ICAO region/country                                                                                                                                |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| ESRA North-West    | EB, ED, EF, EG, EH, EI, EK, EL, EN, ES, ET, LF, LN, LO, LS                                                                                         |
| ESRA Mediterranean | GC, LC, LE, LG, LI, LM, LP, LT                                                                                                                     |
| ESRA East          | BK, EP, LA, LB, LD, LH, LJ, LK, LQ, LR, LU, LW, LY, LZ, UK                                                                                         |
| Other Europe       | BG, BI, EE, EK (Faroe Islands), ENSB (Bodo Oc.), EV, EY, GE, LX, UB, UD, UG, UH, UI, UL, UM, UN, UO, UR, US, UU, UW, Shanwick Oc., Santa Maria FIR |
| North Atlantic     | C, K, P                                                                                                                                            |
| Mid-Atlantic       | M, T                                                                                                                                               |
| South-Atlantic     | S                                                                                                                                                  |
| North-Africa       | DA, DT, GM, HE, HL                                                                                                                                 |
| Southern Africa    | D, F, G, H, (except DA, DT, HE, HL, GC, GM)                                                                                                        |
| Middle-East        | L, O (except OA, OP)                                                                                                                               |
| Asia/Pacific       | A, N, P, Y, OA, OP, R, V, W, Z (except ZZZZ), U (except UK and areas in Other Europe)                                                              |

The map of the nine traffic regions used in our statistics is displayed in Figure 4.

**Figure 4. Map of the Traffic Regions used in flow statistics.**

## 9. FUNCTIONAL AIRSPACE BLOCKS

On top of the traffic zones, this report also presents the forecast of IFR movements from 2014 to 2020 for the Functional Airspace Blocks (FAB). A FAB is a block of airspace based on operational requirements regardless of the State boundaries (Figure 5). FAB initiatives (definitions) are now frozen according to the targets defined to improve the performance of the European air traffic management network. STATFOR defines the FABs based on the FIR boundaries. The definition of FAB-FIR is:

- **UK-Ireland FAB** (Scottish FIR&UIR, London FIR&UIR, Shannon FIR&UIR)
- **Danish-Swedish FAB** (Copenhagen FIR, Sweden FIR)
- **Baltic FAB** (Warszawa FIR, Vilnius FIR&UIR)
- **BLUE MED FAB** (Nicosia FIR&UIR, Athina FIR&UIR, Brindisi FIR&UIR, Milano FIR&UIR, Roma FIR&UIR, Malta FIR&UIR)
- **Danube FAB** (Sofia FIR, Bucharest FIR)
- **FAB CE** (Zagreb FIR, Budapest FIR, Ljubljana FIR, Praha FIR, Wien FIR, Sarajevo FIR&UIR, Bratislava FIR)
- **FABEC** (Brussels FIR&UIR, Langen FIR, Munchen FIR, Rhein UIR, Hannover UIR, Bremen FIR, Amsterdam FIR, Bordeaux FIR, Reims FIR, Paris FIR, France UIR, Marseille FIR, Brest FIR, Switzerland FIR, Switzerland UIR)
- **North European FAB** (Tallinn FIR, Finland FIR&UIR, Enor FIR, Riga FIR, Bodo Oceanic FIR)
- **South West FAB** (Canarias FIR&UIR, Lisboa FIR, Madrid FIR&UIR, Barcelona FIR&UIR).

**Figure 5. FABs as stipulated by the European Commission.**

## 10. TERMINAL CHARGING ZONES

A 'terminal charging zone' is an airport or a group of airports for which a cost-based unit rate is established. The list of aerodromes forming the TCZs during RP2 for the 30 States participating in the SES performance scheme (RP2) can be found in Figure 6. The list of airports is the one available on 30<sup>th</sup> September 2019.

**Figure 6. List of aerodromes forming the TCZ in RP2.**

|                |                                              |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |                                                                                                                              |             |                                                                              |                                                                                                              |
|----------------|----------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Austria        |                                              | France   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Germany     |                                                                                                                              | Poland      |                                                                              |                                                                                                              |
| LO_TCZ         | LOWG<br>LOWI<br>LOWK<br>LOWL<br>LOWS<br>LOWW | LF_TCZ_1 | LFPG<br>LFPO                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ED_TCZ      | EDDB<br>EDDC<br>EDDE<br>EDDF<br>EDDG<br>EDDH<br>EDDK<br>EDDL<br>EDDM<br>EDDN<br>EDDP<br>EDDR<br>EDDS<br>EDDT<br>EDDV<br>EDDW | EP_TCZ_EPWA | EPWA                                                                         |                                                                                                              |
|                |                                              | France   | LFAQ<br>LFBA<br>LFBD<br>LFBE<br>LFBH<br>LFB I<br>LFB L<br>LFBO<br>LFBP<br>LFBT<br>LFBZ<br>LFCR<br>LFGJ<br>LFJL<br>LFJR<br>LFKB<br>LFKC<br>LFKF<br>LFKJ<br>LFLB<br>LFLC<br>LFL L<br>LFLP<br>LFLS<br>LFLX<br>LFLY<br>LFMD<br>LFMH<br>LFMI<br>LFMK<br>LFML<br>LFMN<br>LFMP<br>LFMT<br>LFMU<br>LFMV<br>LFOB<br>LFOH<br>LFOK<br>LFOT<br>LFPB<br>LFPN<br>LFQ Q<br>LFRB<br>LFRD<br>LFRG<br>LFRH<br>LFRK<br>LFRN<br>LFRO<br>LFRQ<br>LFRS<br>LFRZ<br>LFSB<br>LFSD<br>LFSL<br>LFST<br>LFT H<br>LFTW |             |                                                                                                                              |             | Poland                                                                       | EPBY<br>EPGD<br>EPKK<br>EPKT<br>EPLB<br>EPLL<br>EPMO<br>EPPO<br>EPRA<br>EPRZ<br>EPSC<br>EPSY<br>EPWR<br>EPZG |
| EB_TCZ_EBAW    | EBAW                                         | LF_TCZ_2 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Greece      |                                                                                                                              | EP_TCZ_OTHR |                                                                              |                                                                                                              |
|                |                                              |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LG_TCZ      | LGAV                                                                                                                         |             |                                                                              |                                                                                                              |
| EB_TCZ_EBBR    | EBBR                                         |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Hungary     |                                                                                                                              | Portugal    | LPAZ<br>LPCS<br>LPFL<br>LPFR<br>LPHR<br>LPMA<br>LPPD<br>LPPR<br>LPPS<br>LPPT |                                                                                                              |
|                |                                              |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LH_TCZ      | LHBP                                                                                                                         | LP_TCZ      |                                                                              |                                                                                                              |
| EB_TCZ_EBCI    | EBCI                                         |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Ireland     |                                                                                                                              | Romania     | LRBS<br>LROP                                                                 |                                                                                                              |
|                |                                              |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | EL_TCZ      | EICK<br>EIDW<br>EINN                                                                                                         | LR_TCZ      |                                                                              |                                                                                                              |
| EB_TCZ_EBLG    | EBLG                                         |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Italy       |                                                                                                                              | Slovakia    | LZIB                                                                         |                                                                                                              |
|                |                                              |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LI_TCZ_1    | LIRF                                                                                                                         | LZ_TCZ      |                                                                              |                                                                                                              |
| EB_TCZ_EBOS    | EBOS                                         |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Italy       | LIMC<br>LIME<br>LIML<br>LIPZ                                                                                                 | Slovenia    | LJLJ<br>LJMB<br>LJPZ                                                         |                                                                                                              |
|                |                                              |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LI_TCZ_2    |                                                                                                                              | LJ_TCZ      |                                                                              |                                                                                                              |
| LB_TCZ         | LBSF                                         |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Latvia      | EVLA<br>EVRA<br>EVVA                                                                                                         | Spain       | GCLP<br>LEAL<br>LEBL<br>LEIB<br>LEM D<br>LEM G<br>LEPA                       |                                                                                                              |
|                |                                              |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | EV_TCZ      |                                                                                                                              | LE_TCZ      |                                                                              |                                                                                                              |
| Croatia        | LDZA<br>LDZL                                 |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lithuania   | EYKA<br>EYPA<br>EYSA<br>EYVI                                                                                                 | Sweden      | ESGG<br>ESSA                                                                 |                                                                                                              |
| LD_TCZ         |                                              |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | EY_TCZ      |                                                                                                                              | ES_TCZ_A    |                                                                              |                                                                                                              |
| Cyprus         | LCLK<br>LCPH                                 |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Luxembourg  | ELLX                                                                                                                         | Switzerland | LSGG<br>LSZH                                                                 |                                                                                                              |
| LC_TCZ         |                                              |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | EL_TCZ      |                                                                                                                              | LS_TCZ      |                                                                              |                                                                                                              |
|                |                                              |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Malta       | LMML                                                                                                                         | UK          | EGBB<br>EGCC<br>EGGW<br>EGKK<br>EGLC<br>EGLL<br>EGPF<br>EGPH<br>EGSS         |                                                                                                              |
| Czech Republic | LKKV<br>LKMT<br>LKPR<br>LKT B                |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LM_TCZ      |                                                                                                                              | EG_TCZ_B    |                                                                              |                                                                                                              |
|                |                                              |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Netherlands | EHAM<br>EHBK<br>EHGG<br>EHRD                                                                                                 |             |                                                                              |                                                                                                              |
| Denmark        | EKCH                                         |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | EH_TCZ      |                                                                                                                              |             |                                                                              |                                                                                                              |
| EK_TCZ         |                                              |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |                                                                                                                              |             |                                                                              |                                                                                                              |
| Estonia        | EETN<br>EETU                                 |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Norway      | ENBR<br>ENG M<br>ENVA<br>ENZV                                                                                                | UK          | EGGW<br>EGKK<br>EGLC<br>EGLL<br>EGSS                                         |                                                                                                              |
| EE_TCZ         |                                              |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | EN_TCZ      |                                                                                                                              | EG_TCZ_C    |                                                                              |                                                                                                              |
| Finland        |                                              |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |                                                                                                                              |             |                                                                              |                                                                                                              |
| EF_TCZ         | EFHK                                         |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |                                                                                                                              |             |                                                                              |                                                                                                              |

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