ENROUTE CHARTS

GENERAL
According to Amendment 85 to ICAO Annex 10 all ACAS units shall be compliant with version 7.1 after 1 January 2017.

IRELAND
FRA waypoints estbld within Shannon FIR:
BAMIL, N5408.5 W00639.1
BUNON, N5222.5 W00932.6
DEGOS, N5141.4 W00654.4
DIRUM, N5300.2 W00639.7
ELBOB, N5444.0 W00744.6
ELTIG, N5145.2 W00750.1
ENOKU, N5306.1 W00739.7
ERABI, N5300.9 W00934.1
GILAN, N5311.8 W00703.0
GOTEM, N5134.9 W00749.2
JABEX, N4900.0 W00930.2
KOMAG, N5143.6 W00836.9
KORAK, N5323.7 W00747.6
LESU, N51100.0 W00800.0
LUNIG, N5223.8 W00816.6
LUPOR, N5232.5 W00942.1
MAPAG, N5100.0 W00830.0
MOLAK, N5436.8 W00930.4
MOMIN, N5306.8 W00923.6
MOPAT, N5129.9 W00705.6
NIPIT, N5427.2 W00824.2
NORLA, N5137.2 W00652.2
RINUS, N5321.7 W00739.7
SAMON, N5119.4 W00725.1
SOVIK, N5125.7 W00833.8
SUROX, N5359.8 W00659.6
TADEX, N5451.4 W00814.0
TOPLU, N5259.3 W00735.0
TUGSI, N5400.0 W00711.0
TUIVEN, N5100.0 W00815.0
ULTAG, N5342.0 W00644.3
UNBEG N5248.3 W00943.8.
E LO-2.

NETHERLANDS
CDR 2 & 3 status is withdrawn from all ATS routes within Amsterdam FIR.
E LO-2.

AUSTRIA
BUWUT NCP estbld at N4848.3 E01518.8.
E LO-12.

BELGIUM
KLEINE BROGEL CTA estbld, 4500’-FL95. (N51 E014).
EBBR 10-1.

DENMARK
ATS ROUTES changed:
P603, GREFl (N5500.0 E00551.5) to KARLI, withdrawn. E LO-1, E LO-2.

FRANCE
COTE D’OPALE NDB (LT) decmsnd. (N50 E001). E LO-3.
GROSTENQUIN VORDME (GTQ) frequency chgd to 115.05, until 31 DEC 20 (N48 E006). E LO-3, E LO-4.

GERMANY
ATS ROUTES changed:
T856, ADUSU (N4957.4 E00611.8) - NIVNU, 024°, 27NM, MEA FL230, one-way NE-bound. E LO-3.

IRELAND
FREE ROUTE AIRSPACE (FRA) estbld within Shannon FIR, FL75-FL245, excluding Dublin CTA (N53 W006). E LO-2.
RINUS coords chgd to N5338.7 W00739.7. E LO-2.

NETHERLANDS
ATS ROUTES changed:
L74, TULIP (N5222.1 E00351.4) - MONIL, chgd to two-way, 349°/169°. E LO-2.
L193, Spijkerboor VORDME (SPY) - LEKKO withdrawn (N52 E004). E LO-2.
L602, Spijkerboor VORDME (SPY) to MIMVA, MEA FL60 (N52 E004). E LO-2.
N852, Spijkerboor VORDME (SPY) to LOPIK withdrawn: LOPIK - VELED, MEA FL100, one-way S-bound. (N52 E004). E LO-2.
N872, Pampus VORDME (PAM) to WOODY, MEA 3500’. (N52 E005). E LO-2.
P1, TULIP (N5222.1 E00351.4) - MONIL withdrawn. E LO-2.
P62, ZANDA (N5223.4 E00455.4) withdrawn, PETIK - Pampa VORDME (PAM). 36NM. E LO-2.
T606 estbld; LAMSO (N5244.0 E00529.7) NCP - MONIL NCP, 085°, 28NM; MONIL - Spijkerboor VORDME (SPY) NCP, 107°/287°, 43NM; Spijkerboor VORDME - PAPOX NCP at N5240.8 E00527.1, 067°, 23NM; LAMSO to PAPOX, MEA FL140; PAPOX - VAPEX NCP at N5253.5 E00554.3, 050°, 21NM, MEA FL60; LAMSO to VAPEX, one-way E-bound; VAPEX - EKNON NCP at N5246.3 E00601.8, 146°, 9NM, MEA FL60, one-way SE-bound, cruise levels NON-standard, EVEN levels SE-bound. E LO-2.
T607 estbld; MOLIX NCP (N5249.3 E00304.1) - MONIL NCP, 097°, 25NM, MEA FL140, one-way E-bound. E LO-2.
Z708, AGISU (N5352.9 W00630.0) - KEKIX, MEA FL70. E LO-2.
Z738 Pampus VORDME (PAM) to NAPRO redesignated Z739; MEA FL70 (N52 E005). E LO-2.

LEYSTAD CTR estbld, GND-2500' (N52 E005). E LO-2.

LEYSTAD TMA estbld, 1500'-FL65 (N52 E005). E LO-2.

NORWAY

ATS ROUTES changed:
M185, RUMOOG (N5812.6 E00531.6) - ATNAK, withdrawn. E LO-1.
P603, KARLI (N5700.0 E00530.4) to Flesland VORDME (FLS), withdrawn. E LO-1.
P615, VIPPA NCRP estbld at N5856.6 E01013.7; ARTOR - VIPPA - Torp VORDME (TOR), 37/14NM. E LO-1.
Z125, RIBBE NCRP estbld at N6122.5 E01129.0; NUVSA - RIBBE - GIGNI, 18/38NM. E LO-1.

SWITZERLAND

ATS ROUTES changed:
T51, DANZE NCRP estbld at N4719.3 E00750.3; VEBIT - DANZE - LASUN, 292°, 8/14NM. E LO-4.

U.K.

ATS ROUTES changed:
L60, ENCOD NCRP estbld at N5320.0 W00204.4, OTBED - ENCOD - NISBL, 16/9NM; OTBED (N5317.3 E00001.9) to MAMUL, one-way W-bound. E LO-2.
L151, UMLUX NCRP estbld at N5222.6 W00200.3; VIDOK - UMLUX - PEPUL, 2/8NM. E LO-2.
L603, EVKAL NCRP estbld at N5315.8 W00206.6; LAMIX - EVKAL - ROGAG, 9/6NM, MEAs FL130/FL170. E LO-2.
N92 estbld; UMLUX NCRP at N5222.6 W00200.3 - LUXTO NCRP at N5208.5 W00203.6, 189°, 14NM; LUXTO - DUCNO NCRP at N5158.4 W00218.9, 224°, 14NM; UMLUX to DUCNO, MEA FLB; DUCNO - OKTAD NCRP, 224°, 13NM; OKTAD - ITJON NCRP at N1285 W00259.1 - EXMOR NCRP, 220°, 26/23NM, DUCNO to EXMOR, MEA FL140; UMLUX to EXMOR, one-way SW-bound. E LO-2.
N93 estbld, ADMEX NCRP (N5221.7 W00127.8) - PEPUL NCRP, 251°, 17NM; PEPUL - LUXTO NCRP at N5208.5 W00203.6, 221°, 10NM; ADMEX to LUXTO, MEA FL120, one-way SW-bound. E LO-2.

TURNBERRY VOR (TRN) removed from all ATS Routes. (N55 W004). E LO-2.

Y125 estbld; BERUL NCRP (N5240.3 W00331.2) - RETSI NCRP, 113°, 25NM, MEA FL210; RETSI - FITBO NCRP at N5213.2 W00224.2, 136°, 25NM, MEA FL190; BERUL to FITBO, one-way E-bound. E LO-2.

DURHAM TEES VALLEY CTA renamed TEESIDE INTERNATIONAL CTA. (N54 W001). E LO-2.

DURHAM TEES VALLEY CTR renamed TEESIDE INTERNATIONAL CTR. (N54 W001). E LO-2.

FARBOROUGH CTA estbld, 1500'-FL65 (N51 W000). E LO-1.


GENERAL

U.K.

The following Take-off minima according to Commission Regulation No. 965/2012 (EASA Air Operations Regulation) are applicable for Low Visibility Take-off Operations within the UK FIR for CAT ABCD aircraft:
1. With RL and RCLM during day or with RL or CL during night: RVR 300m
2. With RL and CL: RVR 200m
3. With RL and CL and TDZ, MID and RO RVR: RVR 150m
4. With HIIRL and CL and TDZ, MID and RO RVR: RVR 125m
5. On CAT III RWys with approved guidance system or HUD/HUDLS: RVR 75m

TERMINAL

Aberdeen, U.K., (Dyce), 121.250 MHz available by prior arrangement with ATC for non-8.33 kHz capable acft. Frequency is not continuously monitored when not in use.
Amsterdam, Netherlands, (Schiphol), (11-1A) CAT II/III ILS Rwy 06: for CAT C DA(H) changed to 97' (108') and RA changed to 108', for CAT D DA(H) changed to 111' (122') and RA changed to 127'. Construction works on apron B (based on SUP 005-19). Refer to temp chart 10-8 and latest NOTAMs.
(SIDs): For Lost Comms refer to 10-1P pages.
Barrow, U.K., (Walney Island), Airport beacon removed from all charts.
Belfast, U.K., (Aldergrove), NDB Rwy 25 (16-1) apha proc will not be available.
Biggin Hill, U.K., Construction works (based on SUP 023-20). Please refer to temp chart 10-8 and latest NOTAMs.
Brize Norton, U.K., (Brize Norton AB), ILS Rwy 07 not suitable for auto-coupled approaches to CAT 1 DH.
Brussels, Belgium, (Brussels National), (11-5) ILS or LOC Z/Y RWR 25 DA(H) for ILS raised to CAT D: 321' (211'), due to crane operations on apron (based on SUP 10-19).
Construction works on RWY 07L/25R (based on SUP 028-20). Refer to temporary charts 10-8E thru 10-8K and latest NOTAMs.
For construction works information and temporary straight-in aprch minimums refer to 10-8 pages and latest NOTAMs (based on SUP 017-20, SUP 022-20).
Caen, France, (Carpiquet), Construction works on apron based on SUP 125-20. Refer to temporary charts 10-8/10-8A and latest NOTAMs.
Dublin, Ireland, (Dublin Intl), (10-8B, 10-8C) Rehabilitation works on RWY 16/34 and TWY W2 Phase 2 (based on SUP 030-19). Refer to temp chart 10-8B, 10-8C and latest NOTAMs.
(10-8D) Displaced threshold construction works on RWY 10/28 (based on SUP 009-20 AIRAC). Refer to temp chart 10-8D and latest NOTAMs.

(10-8F) West apron stand realignment (based on SUP 008-19), removal of existing stands and installation of new stands.
Refer to temp chart 10-8F and latest NOTAMs.

(10-8H/10-8J) North apron rehabilitation works (based on SUP 017-19). Refer to temp charts 10-8H/10-8J and latest NOTAMs.

(10-8K) Replacement of north apron stands 101-104L (based on SUP 016-19). Refer to temp chart 10-8K and latest NOTAMs.

MM RWY 10 is out of service, refer to (11-3) ILS or LOC RWY 28 and (11-3A) CAT II/III ILS RWY 28.
OM RWY 10, OM RWY 28 and OM RWY 28 are out of service (based on SUP 20-19).

North RWY intersection with RWY 16/34 construction works (based on SUP 006-20). Refer to temp chart 10-8A and latest NOTAMs.

North-South sewer construction works (based on SUP 005-20). Refer to temp chart 10-8 and latest NOTAMs.

Temp procedure (13-01) VOR T RWy 28 established. For details refer to temp charts and latest NOTAMs.

Ireland West, Ireland, (Knock), Construction works on RWY 08/26 and TWY A (based on SUP 10-20 AIRAC). Refer to temp chart 10-8 and latest NOTAMs.

Le Havre, France, (Octeville), Based on NTM C1616/20 minimums for RNP RWY 04 (charts 12-1, 12-1A) changed as follows:
LPV CAT I unchanged.
LNVA/NAV CAT A DA(H) 620’(310’) RVR 1400m, CAT B DA(H) 630’(320’) RVR 1400m, CAT C DA(H) 650’(340’) RVR 1500m, CAT D DA(H) 660’(350’) RVR 1600m.
LNVA DA(MDA(H) 730’(420’) RVR 1900m.
Circle-to-land unchanged.

Le Touquet, France, (Cote d’Opale), New temporary procedures (11-01) ILS Z or LOC Z RWy 13 and (11-02) ILS Y or LOC Y RWy 13 (based on SUP 303/19, eff 18 JUN 2019 based on SUP 97/20) established. Refer to temp charts and latest NOTAMs.

Lille, France, (Lesquin), For (12-1) RNAV (GNSS) Z RWY 08 - LNAV and (12-2) RNAV (GNSS) Y RWY 08 - LNAV the minimums changed as follows: DA(MDA(H) 520’(364’), CAT A:B: RVR 1500m, CAT C:D: RVR 1700m. For (13-1) VOR Z RWY 08 the minimums changed as follows: DA(MDA(H) 520’(363’), CAT A:B: RVR 1500m, CAT C:D: RVR 1700m.

London, U.K., (Gatwick), (20-8) Taxiway modifications (based on SUP 045-2019) due to WIP West of Pier 6. Refer to temp chart 20-8 and latest NOTAMs.

(20-9/20-9A) Per AIP SUP 005-20 TWY N is closed between its junctions with TWY Z and TWY NA and TWY J between its junction with TWY P to West of Stand 28.

London, U.K., (Heathrow), (10-8) Taxiway restrictions (based on SUP 048/2019) due to rehabilitation works on grass areas. Refer to temp chart 10-8 and latest NOTAMs.

All non 8.33 KHz equipped acft should contact ATC on published number to obtain ATC clearance and weather information.

Trial RNAV APCHs for RWYs 09L, 09R, 27L and 27R available (based on SUP 40-19, 29 Aug 19). Pilots wishing to take part in the trial should “Request RNAV Yankee” on first contact with HEATHROW Director 119.730. Refer to temporary charts 12-01 thru 12-04. In the event that the required navigation equipment fails, the flight crew shall advise ATC that they can no longer continue with the procedure or are unable to accept the procedure using the phraseology: “(Callsign), unable RNAV due equipment”. For further assistance email LHROPs@nats.co.uk and DD-flightperformance@heathrow.com.

Manchester, U.K., (Based on SUP 009-20) Constructions works, refer to temp chart 10-8 and latest NOTAMs.

Based on SUP 013/20 tway J is closed between Rwy Holding Point J1 and Intermediate Holding Point J2. ACFT unable to depart Rwy 23R or vacate Rwy 05L via Link M will be required to backtrack to Rwy North 29L. Stop end of Rwy 05L has an unlit painted turning circle capable of accommodating ACFT up to and including A380. ACFT using the turning circle are to manoeuvre in a clockwise direction or as directed by ATC.

CAT II ILS DME RWY 05L (11-1A) CAT B DA(H) changed to 327° (115°) and CAT B RA changed to 125°.

Due to crane operating north of Rwy 23R threshold (based on SUP 037-2019): ILS DME or LOC DME RWY 05L (11-1) for ILS CAT C DA(H) raised to 421° (209°) and CAT D DA(H) raised to 430° (218°). CAT II/III ILS DME RWY 05L (11-1A) for CAT II ILS CAT B DA(H) raised to 327° (115°) and CAT B RA raised to 125°.

Paris, France, (Charles-De-Gaulle), Closure of TWYs due to works on TWY B (based on SUP 032/20). Refer to temporary chart 20-8B and latest NOTAMs.

Closure of TWYs due to works on TWY D (based on SUP 095-20). Refer to temporary charts 20-8E thru 20-8F and latest NOTAMs.

Closure of TWYs GE6, GE7 and part of TWY E (based on SUP 021-20, EFF 27-Jul-20 based on SUP 108-20). Refer to temp chart 20-8A and latest NOTAMs.

Paris, France, (Le Bourget), Construction works on RWY 03/21 in progress, based on SUP 103/20. Refer to temp charts 30-8, 30-6A, 30-8B and latest NOTAMs.

Rouen/Vallee De Seine, France, ILS OR LOC RWY 22 (FINAL APCH) (11-1A) minimums for LOC (GS out) aphp changed to DA(MDA(H) 930’ (418’), CAT A & B: RVR 1500m, CAT C: RVR 1500m, ALS out RVR 1900m. RNP RWY 22 (12-2) minimums changed to DA(MDA(H) 930’ (418’), RVR values unchanged. VOR RWY 22 (13-1) minimums changed to DA(MDA(H) 930’ (418’), CAT A & B: RVR 1500m, CAT C: RVR 1500, ALS out RVR 1900m.

Scatsta, U.K., (10-1R) Trans alt chgd to 3000’. Shannon, Ireland, (11-2) ILS or LOC RWY 24 and (11-2A) CAT II ILS RWy 24, OM RWy 24 is out of service (based on SUP 22-19).

Shawbury, U.K., (Shawbury AB), (18-2) PAR Ry 18, DA(H) and minimums increased to: CAT A 632' (390'), CAT B 642' (400'), 1300m with ALS, 2100m w/o ALS, CAT C & D 652' (410'), 1500m (CAT C 1400m) with ALS, 2300m (CAT C 2200m) w/o ALS. (18-4) PAR Ry 23, DA(H) and minimums increased to: CAT A 588' (350') 1900m, CAT B 598' (360'), 2000m, CAT C 608' (370'), 2000m, CAT D 618' (380') 2100m. (18-6) PAR Ry 36, DA(H) CAT D increased to 467' (230').

Southampton, U.K., ACFT that are not equipped for 8.33 kHz frequencies cannot operate at this apt.

Vagar, Faroe Is, (10-3B) RWY 12 departure limitation due to wind speed - permissible sector when wind more than 15 KT under clarification, caution advised.

Warton, U.K., (11-1) TACAN ILS DME Ry 25, (11-2) NDB ILS DME Ry 25, (11-3) HI- TACAN ILS DME Ry 25: CAUTION: ILS not to be used for auto-coupled approaches below 460' (406').

Wattisham, U.K., ILS not to be used for auto-coupled approaches. Procedure established outside controlled airspace note withdrawn.

Yeovil, U.K., (Westland), (10-9) Aerodrome closed to fixed-wing acft. CAUTION note deleted: Caution required for propeller-driven fixed wing acft.