

EUROPE

Jeppesen CHART CHANGE NOTICES highlight only **significant** changes affecting Jeppesen Charts, also regularly updated at www.jeppesen.com.
IMPORTANT: CHECK FOR NOTAMS AND OTHER PERTINENT INFORMATION PRIOR TO FLIGHT.

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.

GERMANY

Location/airport name changed from Donauwoerth to Donauwoerth, Dusseldorf to Duesseldorf, Lubeck to Luebeck, Monchengladbach to Moenchengladbach, Munster/Osnabruck to Muenster/Osnabrueck, Nurnberg to Nuernberg, Saarbruecken to Saarbruecken, Schonefeld to Schoenefeld, Schwabisch Hall to Schwaebisch Hall, Zweibruecken to Zweibruecken.

TURKEY

ATS ROUTE SYSTEM (HIGH/LOW) revised within Ankara FIR and Istanbul FIR. For details refer to SUPPL ME (H/L)-1A. **E LO-14.**

U.K.

ATS ROUTE SYSTEM (LOW) modified within Amsterdam and London FIRs. For details refer to CCN 303/304. **EGCC 10-1, EGLL 10-1, E LO-3.**

ALGERIA

ALGIERS CENTRAL SECTOR TMA redesignated to Class A/D Airspace. (N37 E001). **E LO-6/9CD10C.**

ALGIERS CTA redesignated to TMA. (N36 E002). **E LO-6/9D10C.**

ALGIERS NORTHEAST SECTOR TMA redesignated to Class D Airspace. (N39 E008). **E LO-6/10CD, E LO-14/6D.**

ANNABA/EL MELLAH CTA redesignated Annaba TMA. (N36 E007). **E LO-6/10D, E LO-14/6D.**

CONSTANTINE CTA redesignated to TMA. (N36 E006). **E LO-6/10CD.**

ORAN AHMED BENBELLA CTA redesignated Oran TMA. (N35 E000). **E LO-6/9C.**

ORAN TMA redesignated Algiers North West Sector Class D Airspace. (N37 E001). **E LO-6/8D9C.**

AUSTRIA**ATS ROUTES changed:**

J21, Salzburg VORDME (SBG) - Linz VORDME (LNZ) - Stockerau VORDME (STO) - Sollenau VORDME (SNU) - Gleichenberg NDB (GBG) - Graz VORDME (GRZ), MEAs 6000'/7000'/7000'/6000'/3000'. **E LO-12/6ABD.**

M726, BRENO (N4658.8 E01122.6) - Innsbruck NDB (INN) - NORIN - KOGOL, MEAs 13000'/11000'/11000'. **E LO-4/10BD, E LO-12/5BD, EDDM 10-1.**

M736, LIZUM (N4706.9 E01145.4) - OLPX, MEA 14000'. **E LO-12/5BD.**

N871, MADEB (N4719.5 E01017.3) - XEBIX, MEA 11000'. **E LO-4/10B, EDDM 10-1.**

P66, NIGEB (N4705.3 E01104.6) - MOGTI, MEA 14000'. **E LO-4/10BD, E LO-12/5BD, EDDM 10-1.**

T23, BEMKI (N4733.6 E01018.3) - GAPTO, MEA 10000'; NORIN - BERAS - BIRGI, MEAs 11000'/10000'. **E LO-4/10B, E LO-12/5B, EDDM 10-1.**

Y106, TOBAD (N4744.0 E01212.5) - MODSA, MEA 9000'. **E LO-12/5B, EDDM 10-1.**

Y107, BADVI (N4743.9 E01156.7) - Rattenberg NDB (RTT), MEA 9000'. **E LO-12/5B, EDDM 10-1.**

Y107, Rattenberg NDB (RTT) - TOBSO, bearing should be 185°. **E LO-12/5B.**

Y108, LUXEK (N4740.1 E01137.0) - ALILA - GOGEM, MEAs 11000'/12000'. **E LO-4/10BD, EDDM 10-1.**

Y703, Rattenberg NDB (RTT) - Innsbruck NDB (INN), MEA 10000'; Innsbruck NDB to MOGTI, MEA 11000'. **E LO-4/10B, E LO-12/5B, EDDM 10-1.**

Y740, NESEK (N4732.9 E01033.3) - XEBIX, MEA 10000'. **E LO-4/10B, EDDM 10-1.**

Z209, Innsbruck NDB (INN) to BIRGI, MEA 11000'. **E LO-12/5B.**

Z408, GEDSO (N4704.8 E01152.2) - NIGEB, MEA 15000'. **E LO-4/10BD, E LO-12/5BD.**

INROM NCRP estbld at N4800.8 E01311.4. **E LO-12/6A, EDDM 10-1.**

Waypoints within Vienna FIR withdrawn:

ARTUS (N4729.9 E01216.2)

ASKOD (N4723.1 E01552.3)

ELKAT (N4659.5 E01354.3)

GISPO (N4805.9 E01607.8)

KOGEX (N4706.8 E01517.2)

LIVDU (N4752.8 E01604.9)

PEREX (N4738.4 E01314.6)

PETEN (N4825.0 E01410.4)

PUBEG (N4730.7 E01539.7)

SOGTU (N4631.2 E01421.9)

VAXIS (N4706.0 E01337.8). **E LO-12/5B6ABCD, EDDM 10-1.**

BELARUS

DASHKI DME (DSK) 114.25, channel 89Y cmsnd at N5414.8 E02728.8. **E LO-10/10AB.**

KHATZEHYNA DME (KTZ) 115.45, channel 101Y cmsnd at N5354.9 E02716.9. **E LO-10/10CD.**

MAZYR DME (MZR) 116.45, channel 111Y cmsnd at N5202.2 E02911.5. **E LO-10/10D.**

RAVANICHSKAYA SLABADA DME (RVS) 113.35, channel 80Y cmsnd at N5354.9 E02834.7. **E LO-10/10B.**

ZVIAZDA DME (ZVD) 115.05, channel 97Y cmsnd at N5333.4 E02807.8. **E LO-10/10D.**

BELGIUM**ATS ROUTES changed:**

L607, Mackel NDB (MAK) to [NIK40], MEA 5000'. **EBBR 10-1, E LO-3/4ABD.**

EUROPE

M617, [MAS12] replaced by ROFAC NCRP at N5053.5 E00541.3. **EBBR 10-1, E LO-3/4B5A.**
 M624, [NIK08] replaced by TRARE NCRP at N5117.2 E00409.2. **EHAM 10-1, EBBR 10-1, E LO-3/4B.**
 N/UN852, [DIK22] (N4931.4 E00621.5) withdrawn;
 SUTAL - LIMGO, 11NM; SUTAL to Oino VORDME (LNO), MEA 5000'. **E LO-3/4D5C.**
 Y868, [MAS15] replaced by OGBOL NCRP at N5049.3 E00539.3. **EBBR 10-1, E LO-3/4D5B.**

BOSNIA AND HERZEGOVINA

GLOMY NCRP estbld at N4333.6 E01739.8.
E LO-13/3D.
 INTIT NCRP estbld at N4255.8 E01803.3.
E LO-13/3D.

CZECHIA

ATS ROUTES changed:

Z39, DOMAL (N4905.7 E01325.7) to GOSEK realigned; DOLUP NCRP at N4907.2 E01323.7 - IPDUL NCRP at N4925.3 E01349.2 - GOSEK, DOLUP to GOSEK, 039°, 25/16NM, MEA FL80, MOCA 6000T/3700T; GOSEK - KOMUR, MOCA 3700T. **EDDM 10-1.**

DENMARK

ATS ROUTES changed:

M725, OSDEX (N5512.2 E01207.4) renamed BISTA.
EKCH 10-1.

AALBORG Locator (GL) decmsnd. **E LO-1/4C.**
 EVGUN NCRP estbld at N5816.3 E01001.0.
E LO-1/4C.

FINLAND

CPDLC avbl for Finland FIR, FL95 and above, excluding ATS delegated areas HALTI CTA, MANTO CTA and KVARKEN CTA; Data Link ADS is EFES. **E LO-7, E LO-8, E LO-9.**
 PORI DME (PO) channel/freq chgd to 18X 108.1.
E LO-8/9A.
 TAMPERE-PIRKKALA DME (TP) CH38X (110.1) cmsnd at N6125.0 E02337.4. **E LO-8/9B.**

FRANCE

ATS ROUTES changed:

A1, [DJL30] (N4737.2 E00433.4) withdrawn; LUREN - Dijon Longvic VORDME (DJL), 66NM, MEA FL70; [SPR02] withdrawn; St Prex VORDME (SPR) - [TMA32], 14NM. **LSGG 10-1.**
 A6, [TMA60] (N4625.0 E00458.1) renamed UBEXU.
LFLL 10-1, E LO-4/9C.
 A242, Grostenquin VORDME (GTQ) to Hericourt NDB (HR), MEA FL90, MOCA 5500T. **E LO-4/9B.**
 B3, Cambrai Epinoy VORDME (CMB) to RINTI, CDR2. **E LO-3/4AC.**
 B16, RILTI CRP estbld at N4545.5 E00539.6; BELUS - RILTI - Passeiry VORDME (PAS) chgd to CRP, 6/28 NM; NCRPs estbld, IDELO at N4302.9 E00503.0 and AGAKI at N4248.3 E00501.4, Martigues VORDME (MTG) - IDELO - AGAKI - SOSUR, 20/15/15 NM. **LFMN 10-1, LSGG 10-1, LFLL 10-1, LFML 10-1.**
 B24, DIPER (N5020.8 E00203.7) to [FIR16], CDR2.
E LO-3/3B4AC.

B37, [DJL32] (N4741.0 E00437.6) withdrawn; BOLLY - KASON, 41NM, MEA FL70; IBADA - LUKID, MEA FL70; [PAS03] and [PAS02] withdrawn; KOVAR - Passeiry VORDME (PAS), 16 NM, MEA 8000', MOCA 7900T; Passeiry VORDME - [PAS1A], 14NM, MEA 10000', MOCA 9900T. **LSGG 10-1.**
 G701, Martigues VORDME (MTG) - Marseille Provence NDB (MJ), chgd to two-way, 061°/241'.
LFMN 10-1, LFML 10-1.

J41, [PAS0A] (N4608.4 E00601.6) withdrawn; Passeiry VORDME (PAS) - ESAPI, 20NM; [PAS3A] renamed [PAS30]. **LSGG 10-1, LFLL 10-1.**

M135 redesignated T345, ROCCA (N4544.7 E00638.7) - ABULO. **LIMC 10-1, LSGG 10-1, E LO-5/6A, E LO-4/9D.**

M731 extended; SALIN CRP (N4317.0 E00443.8) - DIVKO NCRP, 171°, 14NM, MEA FL60; DIVKO - TINOT, 131°, 32NM, MEA FL120, SALIN to TINOT, one-way SE-bound. **LFMN 10-1, LFML 10-1.**

N491, Epinal Mirecourt VOR (EPL) - LASAT, MEA 7000', MOCA 5500T. **E LO-4/9AB.**

N871, SOPLO (N4543.7 E00544.8) - OMASI, CDR3. **LSGG 10-1, LFLL 10-1, E LO-4/9CD.**

R7, [GTQ14] (N4850.2 E00659.3) renamed [D129N].
E LO-3/5C, E LO-4/9B.

R14 extended; ERIGA (N4651.6 W00221.8) - EPIXO NCRP, 191°, 8NM, MEA FL120. **E LO-4/7C.**

R31, [TMA21] (N4620.0 E00320.1) renamed OLUGI.
E LO-4/8D.

T626 estbld, Hericourt NDB (HR) CRP - DOUCI NCRP at N4723.1 E00702.1, 129°, 16NM, MEA FL90, MOCA 6900T, one-way SE-bound.
E LO-4/9B.

Z152 estbld; AGAKI NCRP at N4248.3 E00501.4 - LIPSU NCRP at N4256.6 E00507.1, 027°, 9NM; LIPSU - Marseille Provence NDB (MJ), 008°, 30NM; AGAKI to Marseille Provence NDB, MEA FL60, one-way NE-bound. **LFMN 10-1, LFML 10-1.**

Z154 extended; TINOT (N4241.9 E00518.9) - LIPSU NCRP at N4256.6 E00507.1, 330°/150°, 17 NM; LIPSU - IDELO NCRP at N4302.9 E00503.0, 334°/154°, 7NM; IDELO - BULTO CRP, 334°, 15NM, one-way NW-bound; TINOT to BULTO, MEA FL60.
LFMN 10-1, LFML 10-1.

ATS ROUTES (undesigned) changed:

AGEN VORDME (AGN) - Gaillac VOR (GAI), Toulouse Blagnac VORDME (TOU) - ORBIL, Toulouse Blagnac VORDME to Carcassonne Salvaza NDB (CS) and ASPET - Toulouse Blagnac VORDME, withdrawn. **E LO-5/4D, LFBO 10-1.**

CAEN CARPIQUET VOR (CAN) chgd to VORDME.
E LO-3/3C, E LO-4/7B.

GAP NDB (GA) decommissioned. **LFMN 10-1, LFML 10-1.**

LE CASTELLET DME (ADC) decmsnd. **LFMN 10-1, LFML 10-1.**

LF(P)-30 withdrawn. **E LO-3/4D, E LO-4/8B9A.**

RODEZ TMA withdrawn. **LFBO 10-1.**

SALON CTA Class 'D' estbld. Altitudes 1700' MSL - FL75. (N43 E004). **LFMN 10-1, LFML 10-1.**

EUROPE

SALON CTR estbld; N4342.6 E00516.4 - N4333.8 E00519.5 - N4335.1 E00513.0 then cw along an arc with 4.86 NM radius centered on N4336.2 E00506.5 - N4331.4 E00507.2 - N4334.9 E00503.3 - N4338.4 E00502.2 - N4342.6 E00500.0 - N4342.6 E00516.4. GND-2500'. **LFMN 10-1, LFML 10-1.**

GERMANY

ATS ROUTES changed:

L23, TAGOB (N5344.1 E01150.0) to RAMAR, CDR 1. **E LO-8/6D.**

L132, DOBUR replaced by NCRP UNRIG at N5152.1 E01335.6; OGSN - UNRIG - PEPOL, 23/16NM. **E LO-11/2A.**

L173, Maisach VORDME (MAH) to TITIG one-way E-bound below FL195. **E LO-4/10B, E LO-12/5B, EDDM 10-1.**

L604, DIMSU NCRP estbld at N5010.0 E01034.7; SULUS - DIMSU - GORKO, 310°/130°, 8/5NM; GORKO - GASKA, 311°/131°; ALIBU NCRP estbld at N5022.6 E01013.8; GASKA - ALIBU, 306°/126°, 2NM; ALIBU - BIBEG, 311°/131°, 5NM; BIBEG - DEMAB, 310°/130°; SULUS to DEMAB, chgd to two-way. **E LO-11/1CD, EDDF 10-1.**

L608, ERKIR (N4732.3 E01200.5) - KOGOL, MEA 9000'. **E LO-4/10B, E LO-12/5B, EDDM 10-1.**

M726, NOBRI (N5315.1 E01135.5) to ROSOK, CDR 1. **E LO-8/6D.**

N851, RAUTA NCRP estbld at N4753.2 E00908.2; TINOX - RAUTA - HEUSE, 3/10NM; RAUTA - HEUSE, chgd to two-way, 004°/184°. **LSZH 10-1.**

N858, LORBO replaced by DIDGI NCRP at N5146.0 E01227.4; DESAR - DIDGI - MOSEX, 17/21NM. **E LO-11/2A.**

N871, GAPTO (N4728.1 E01045.6) - SUGIB, MEA 10000'. **E LO-4/10B, E LO-12/5B, EDDM 10-1.**

N871, RILBU (N4738.7 E01130.4) replaced by LENIZ NCRP at N4739.4 E01134.1, KOGOL - LENIZ - TULSI, 7/9NM. **EDDM 10-1.**

N872, DEMIR (N5450.2 E00951.2) to KUBAT, MEA 4000', CDR 1, 2. **E LO-8/6B, E LO-10/7CD.**

P64 estbld; Wipper VOR (WYP) NCRP - MISGO NCRP, 324°, 26NM; MISGO - SONEB NCRP, 352°, 37NM; Wipper VOR to SONEB, MEA 4000', one-way N-bound. **E LO-3/5A, EDDF 10-1.**

Q760, Saarbruecken NDB (SBN) replaced by SARRI NCRP at same position. **EDDF 10-1.**

Q800, ROSOK (N5412.6 E01204.6) - OLUBI, CDR 1. **E LO-8/6D.**

T101, BAPGI (N4719.5 E01114.2) - OBAGA, MEA 10000'. **E LO-4/10B, E LO-12/5B, EDDM 10-1.**

T102, GOVTU (N4720.8 E01104.2) - IRBIR, MEA 11000'; NINUR - ANDEC, withdrawn. **E LO-4/10B, E LO-12/5B, EDDM 10-1.**

T106, TUSTO (N4836.5 E01226.5) - LANDU, withdrawn. **E LO-12/5B, EDDM 10-1.**

T150, NAPRO (N5151.4 E00603.5) to MISGO and LIPMI to RUDUS, withdrawn. **EHAM 10-1, E LO-3/5ACD, EDDF 10-1.**

T161 extended; ASPAT (N4911.8 E01043.6) - GIMAX NCRP at N4919.9 E01031.9, 314°, 11NM, MEA 6000'; GIMAX - SIRIO NCRP at N4934.4 E01004.4 - TOSTU, 306°, 23/13NM; TOSTU - LEPSA, 305°, 11NM; LEPSA - Spessart NDB (PSA), 281°, 10NM; GIMAX to Spessart NDB, MEA 5000'; ASPAT to Spessart NDB, one-way NW-bound, CDR 3. **EDDF 10-1.**

T163, KISEK NCRP estbld at N4900.5 E00906.1; KOVAN - KISEK - ETASA, 8/11NM. **E LO-3/5D, E LO-4/10A, E LO-11/1C, EDDF 10-1.**

T170, RUNEN NCRP estbld at N5035.1 E01035.1; VAGAB - RUNEN - GAPLA, 9/12NM. **E LO-11/1D.**

T171 estbld; NIMAB NCRP at N5137.6 E01203.5 - MAIXE NCRP at N5123.1 E01127.9, 233°, 27NM; MAIXE - LASTO NCRP, 218°, 20NM; NIMAB to LASTO, MEA 5000', one-way SW-bound. **E LO-11/1B2A.**

T173, TADUV (N5125.8 E01232.9) to KERAX, withdrawn. **E LO-11/1BCD2A, EDDF 10-1.**

T177 realigned; ORTAG NCRP (N5129.2 E01104.8) - ESEGU NCRP, 238°, 26NM; ESEGU - ODIPI NCRP, 228°, 12NM; ORTAG to ODIPI, MEA 5000', one-way SW-bound. **E LO-11/1BD, EDDF 10-1.**

T178 estbld; LASTO NCRP (N5107.7 E01106.6) - ABLUM NCRP - ROBEL NCRP, 238°, 15/14NM, MEA 6000'; ROBEL - GAPLA NCRP, 199°, 16NM, MEA 7000'; GAPLA - DEMAB NCRP, 239°, 14NM, MEA 6000'; DEMAB - SOLVU NCRP, 251°, 9NM, MEA 7000'; SOLVU - KERAX NCRP, 252°, 6NM, MEA 7000'; LASTO to KERAX, one-way SW-bound. **E LO-11/1BCD2A, EDDF 10-1.**

T200, ROBEL (N5053.9 E01026.1) to Kladorf VORDME (KLF), withdrawn. **E LO-11/1BD2A.**

T201, MAGES (N5050.8 E01004.6) - ROBEL realigned; TAMEB NCRP - GERDO NCRP, 070°, 45NM; MEA 6000', one-way E-bound. **E LO-11/1BD, EDDF 10-1.**

T202, SULED (N5109.7 E01213.8) to MILGU realigned; SULED - TOGRO NCRP at N5118.8 E01224.5, 11NM; TOGRO - ZABEL NCRP at N5128.0 E01240.3, 043°, 14NM; ZABEL - MILGU, 061°, 15NM, MEA 6000'; TOGRO to MILGU, one-way NE-bound. **E LO-11/2A.**

T212, MAXOT (N5108.9 E01037.9) - LASTO, MAA FL210; route extended; LASTO - RELKO NCRP, 103°, 15NM, MEA 5000'; MAA FL210, one-way SE-bound. **E LO-11/1B.**

T278 estbld; TAMEB NCRP (N5048.5 E01043.8) - RELKO NCRP - NOTGO NCRP, 059°, 32/20NM, MEAs FL150/5000'; NOTGO - RUDAK NCRP, 043°, 50NM, MEA 4000'; RUDAK - Kladorf VORDME (KLF) NCRP, 055°/(236°) 28NM, MEA 5000'; TAMEB to Kladorf VORDME (KLF), one-way NE-bound, cruising levels NON-standard, EVEN levels NE-bound. **E LO-11/1BD2A.**

T279 estbld; TAMEB NCRP (N5048.5 E01043.8) - MIPSI NCRP at N5054.4 E01101.4, 059°, 13NM, MEA FL150; MIPSI - LASTO NCRP, 011°, 14NM, MEA 6000'; TAMEB to LASTO, one-way NE-bound. **E LO-11/1BD.**

T358, INBOS (N4956.1 E00937.4) - Spessart NDB (PSA), withdrawn. **E LO-11/1C, EDDF 10-1.**

T463, GEPKO (N5231.7 E00808.1) - IRDIP, CDR1,2. **E LO-3/5B.**

EUROPE

- T711, DENEL (N4821.9 E00753.1) - LUPEN, withdrawn. **E LO-4/9B.**
- T726 extended; RASPU (N5004.4 E01005.9) - GUDOM NCRP - GORKO NCRP, 056°/236°, 14/4NM, MEA 5000'; TOSTU - RASPU chgd to two-way. **E LO-11/1CD, EDDF 10-1.**
- T732, RAUTA NCRP estbld at N4753.2 E00908.2; NEDOV - RAUTA - GARMO, 10/9NM. **LSZH 10-1.**
- T732, Sulz VOR (SUL) to USETI realigned; NATOR - USETI, for route details see T733. **E LO-4/10A.**
- T733, NATOR (N4810.2 E00819.3) - USETI, withdrawn. **E LO-4/10A.**
- T902, IRKIS (N5314.9 E01053.3) - RARUP realigned; DIRBO NCRP - RARUP, 350°, 49NM, MEA 4000. **E LO-10/7D.**
- T906, ROSOK (N5412.6 E01204.6) - RAMAR, CDR 1. **E LO-8/6D.**
- T911, LIPMI (N5107.1 E00716.1) - Cola VORDME (COL), MEA 5000'; ROLIS to UBENO realigned, ROLIS - ETARU NCRP at N5017.1 E00806.7, 127°, 14NM; ETARU - RUDUS NCRP at N5002.9 E00804.7, 183°, 14NM; RUDUS - XIDOD NCRP at N4927.3 E00801.6, 181°, 36NM, ROLIS to XIDOD, MEA FL80. **E LO-3/5D, E LO-11/1C, EDDF 10-1.**
- T984, BITBU (N4959.0 E00633.7) - BETEX, withdrawn. **E LO-3/5C.**
- UN491, LENGI (N4746.7 E00804.6) renamed AMRUP. **LSZH 10-1, E LO-4/9B10A.**
- UZ28, BIBTI (N5058.0 E00706.5) - RASAS realigned; OBOKA NCRP at N5044.7 E00720.3 - OLPEX NCRP at N5053.9 E00659.7, 303°, 16NM, MEA FL170; OLPEX - NEREL NCRP, 303°, 20NM, MEA FL210; OBOKA to NEREL, one-way NW-bound. **EDDF 10-1.**
- UZ29 estbld; OBOKA NCRP at N5044.7 E00720.3 - MYNDA at N5052.0 E00657.8, 295°, 16NM, MEA FL170, one-way NW-bound. **EDDF 10-1.**
- Y100, Maisach VORDME (MAH) to MOMUK, CDR 1. **EDDM 10-1.**
- Y106, TOBAD (N4744.0 E01212.5) - MODSA, MEA 9000. **E LO-12/5B, EDDM 10-1.**
- Y133 estbld; BIBAG NCRP (N4823.8 E01245.0) - SELAR NCRP at N4829.3 E01308.6, 067°, 17NM, MEA 5000'; SELAR - BEPAS NCRP, 027°, 29NM, MEA 8000'; BIBAG to BEPAS, one-way NE-bound, cruising levels NON-standard, EVEN levels NE-bound. **EDDM 10-1.**
- Y161, Munich VORDME (MUN) replaced by NCRP MANAL; Maisach VORDME (MAH) - MANAL, 136°, 29NM, MEA 6000', one-way SE-bound. **E LO-4/10B, E LO-12/5B, EDDM 10-1.**
- Y162, Maisach VORDME (MAH) - MANAL, withdrawn. **E LO-4/10B, E LO-12/5B, EDDM 10-1.**
- Y180, DONAB (N4949.3 E00801.8) to ULKIG, chgd to two-way, 281°/101°. **E LO-3/5CD, EDDF 10-1.**
- Y235, OSKAT (N5124.9 E01158.2) to Magdeburg VORDME (MAG) withdrawn. **E LO-11/1B2A.**
- Y263, BRANE (N5229.0 E01233.7) - LODRO withdrawn. **E LO-10/7D, E LO-11/1B2A.**
- Y347, VAXEV (N5223.8 E00905.3) to OBIBI, CDR1,2. **E LO-3/5AB.**
- Y701 estbld; SIMBA NCRP (N4813.8 E01300.9) - SELAR NCRP at N4829.3 E01308.6, 015°, 16NM, MEA 5000', one-way N-bound, cruising levels NON-standard, EVEN levels N-bound. **EDDM 10-1.**
- Y715, LENGI (N4746.8 E00804.6) renamed AMRUP; ELBEG to NEDOV, 067°. **LSZH 10-1, E LO-4/9B,10A.**
- Z2, OSDOV (N4726.4 E01011.0) - XEBIX, MEA 10000'. **EDDM 10-1.**
- Z3, BODAN (N4735.3 E00927.1) to ETAGO, withdrawn. **E LO-4/10A.**
- Z4, BODAN (N4735.3 E00927.1) - ALAGO, withdrawn. **E LO-4/10A.**
- Z5, BODAN (N4735.3 E00927.1) - ALAGO, withdrawn. **E LO-4/10A.**
- Z20, LOGDO NCRP estbld at N5204.4 E01219.3; Magdeburg VORDME (MAG) - LOGDO - BUROK, 20/3NM; Magdeburg VORDME (MAG) to ESIKA, MEA 4000, CDR 1. **E LO-11/1B,2A.**
- Z39, LALIN (N4852.8 E01314.5) - DOMAL realigned; LALIN - DOLUP NCRP at N4907.2 E01323.7, 019°. **EDDM 10-1.**
- Z74 extended; HAREM (N4937.1 E00924.9) - LAMPUN NCRP, 147°, 19NM, MEA FL120, one-way SE-bound. **E LO-11/1C, EDDF 10-1.**
- Z92, ASMIG NCRP estbld at N5157.3 E01133.8; Magdeburg VORDME (MAG) - ASMIG - IRKOX, 9/13NM. **E LO-11/1B2A.**
- Z94, TOSTU (N4942.8 E00948.4) to GORKO, MEA FL250. **E LO-11/1CD, EDDF 10-1.**
- Z114, RIDSU (N4944.9 E00828.8) - DONAB, chgd to two-way, 282°/102°. **E LO-3/5D, E LO-11/1C, EDDF 10-1.**
- Z115 estbld, BRANE NCRP (N5229.0 E01233.7) - UBIGI NCRP, 235°, 32NM; UBIGI - ASMIG NCRP at N5157.3 E01133.8, 210°, 18NM; BRANE to ASMIG, MEA 4000'; ASMIG - MAXAN NCRP at N5145.9 E01121.9, 209°, 14NM; MEA 5000'; BRANE to MAXAN, one-way SW-bound, cruising levels NON-standard, ODD levels SW-bound. **E LO-10/7D8C, E LO-11/1B2A.**
- Z117 estbld, BELID NCRP (N5214.6 E01241.9) - LOGDO NCRP at N5204.4 E01219.3 - ODLUN NCRP, 230°, 17/22NM; BELID to ODLUN, one-way SW-bound, MEA 4000', CDR 1, cruising levels NON-standard, ODD levels SW-bound; ORTAG NCRP - MIPSI NCRP at N5054.4 E01101.4, 180°, 35NM; MIPSI - BAMKI NCRP, 177°, 11NM; BAMKI - KEGOS NCRP, 176°, 64NM; ORTAG to KEGOS, MEA 6000', one-way S-bound. **E LO-11/1BD2A.**
- Z131, TOPDI NCRP estbld at N5150.3 E01212.0, UMBAL - TOPDI - BUROK, 2/17NM. **E LO-11/2A.**
- Z207 estbld; Magdeburg VORDME (MAG) NCRP - OLDUN NCRP, 166°/346°, 9NM, MEA 4000'. **E LO-11/1B.**
- Z739, NAPRO (N5151.4 E00603.5) to AMOSU, MEA FL170. **EHAM 10-1.**
- Z739, NAPRO (N5151.4 E00603.5) to MISGO, MEA 5000'. **EHAM 10-1, E LO-3/5A.**
- Z818, Saarbruecken NDB (SBN) replaced by SARRI NCRP at same position. **EDDF 10-1.**

ALLENDORF/EDER AIRSPACE Class E withdrawn. (N51 E008). **E LO-3/5B, EDDF 10-1.**

EUROPE

KISEK HOLDING estbld (N4900.5 E00906.1), inbound track 003°, RIGHT turns, MHA 6500'. **EDDF 10-1.**

LANDSBERG TACAN (LAB) and NDB (LQ) decmsnd. **EDDM 10-1.**

GREECE

ATS ROUTES changed:

G/UG33 extended; Alexandroupolis VORDME (ALX) - DIGTI CRP at N4107.5 E02619.3, 041°, 23NM; MEA FL80, one-way NE-bound. **E LO-14/9B.**

G/UG33, Kea VORDME (KEA) to Alexandroupolis VORDME (ALX), cruising levels chg to standard, ODD levels NE-bound. **E LO-14/9BD.**

G12, GOLDO (N4052.9 E02615.0) - Alexandroupolis VORDME (ALX), chgd to one-way W-bound. **E LO-14/9B.**

M/UM603, GOLDO (N4052.9 E02615.0) - Alexandroupolis VORDME (ALX), chgd to one-way W-bound. **E LO-14/9B.**

N/UN127, ASPIV NCRP estbld at N4046.1 E02442.4; Kavala VORDME (KPL) - ASPIV - SUTIS, 10/4NM. **E LO-14/9B.**

N/UN131, PIBOM NCRP estbld at N4054.3 E02518.5; RODIP - PIBOM - IDILO, 41/10NM. **E LO-14/9B.**

N/UN644 estbld; PEREN (N4035.8 E02358.1) NCRP - ASPIV NCRP at N4046.1 E02442.4, 069°, 35NM; ASPIV - PIBOM NCRP at N4054.3 E02518.5 - DIGTI CRP at N4107.5 E02619.3, 068°, 29/48NM; PEREN to DIGTI, MEA FL120, one-way E-bound. **E LO-14/9B.**

V/UV60, IBTIN CRP estbld at N3919.2 E02054.0; Ioannina VORDME (YNN) - IBTIN - GARTA, 23/20NM. **E LO-14/9AC.**

IRELAND

ATS ROUTES changed:

P620, NIMAT (N5357.9 W00544.5) to BEPAN, cruising levels chgd chgd to standard. **E LO-2/6C.**

ENNIS NDB (ENS) decmsnd. **E LO-2/5C.**

ITALY

ATS ROUTES changed:

L44, GISIG (N3859.5 E01103.8) - ADAMI, CDR status withdrawn. **E LO-14/7C.**

L615, NOBMI CRP estbld at N4538.9 E01030.4; NEVNI - NOBMI - ELTAR, 4/5NM. **E LO-4/10D.**

M730, Genoa VORDME (GEN) to Torino VORDME (TOP) MEA FL100. **LIMC 10-1.**

M738, ERPEM NCRP estbld at N3856.5 E01139.0; RONAB - ERPEM - PININ, 57/62NM. **E LO-14/7AC.**

M858 Genoa VORDME (GEN) to UNITA MEA FL100. **LIMC 10-1.**

M859 Genoa VORDME (GEN) - LAGEN MEA FL100. **LIMC 10-1.**

M859, LUMAV (N4448.9 E01137.0) to LUPOS, MEA FL100. **E LO-13/1B.**

N737, UNUMU CRP estbld at N4325.4 E01243.2, GUBIN, EVNEK, KONUT and RONAB withdrawn; UNUMU - IPGOR, 38NM. **LIRF 10-1.**

Q123, QUENN (N4009.9 E01032.6) to VEKET, CDR 3. **E LO-6/10B, E LO-14/6B7A.**

Q152, ERPEM NCRP estbld at N3856.5 E01139.0; GISIG - ERPEM - GIANO, 28/38NM; Carbonara VORDME to GIANO, CDR status withdrawn. **E LO-14/6BD7AC.**

Q182, RUVIP (N4003.6 E01147.7) - KOLUS, CDR 3. **E LO-14/6B7A.**

Q549, INTUD (N4228.3 E01237.2) - KATAR realigned; INTUD - GOTMO NCRP, 014°, 46NM. **LIRF 10-1.**

Q702, USOBU (N4522.2 E01038.2) replaced by OTKEK CRP at N4522.1 E01038.8. **E LO-4/10D.**

Q985, ETPUB (N4545.0 E01034.5) replaced by NOBMI CRP at N4538.9 E01030.4; Albenga NDB (ABN) - NOBMI, 137NM. **LIMC 10-1, E LO-4/10D.**

T128 extended; ROSKA (N4518.9 E01251.7) CRP AGOMO NCRP - BELOV CRP, 186°, 18/29NM, MEA FL110; AGOMO - BELOV, CDR 3; MOGPU to GIKIN, CDR 3. **E LO-12/6C, E LO-13/2AC.**

T345, ABULO (N4534.5 E00659.7) - LURAG, MEA FL190, chgd to one-way-SE-bound. **LIMC 10-1.**

T543, TINTO (N4128.7 E01104.1) - QUENN, CDR 3. **E LO-14/7A.**

T678, IPDAB CRP estbld at N4457.7 E01051.0; NUVLVA withdrawn; IBNAN - IPDAB, 34NM; IPDAB - NEVMO, 098°, 23NM. **LIMC 10-1.**

Y567, POKAV (N4050.4 E01124.0) - USEPI, CDR status withdrawn. **E LO-6/10B, E LO-14/6B7A.**

Z154, IBROS (N4147.7 E01002.9) - ASKAG, 268°/088°, chgd to two-way. **E LO-13/1CD, E LO-14/7A.**

Z637 redesignated L615, AOSTA (N4547.8 E00720.8) - BANKO. **LIMC 10-1, E LO-4/9D.**

Z810, PEMAR (N4201.8 E01255.2) - KATAR realigned; PEMAR - GOTMO NCRP, 358°, 71NM. **LIRF 10-1.**

Z923 extended; KONUT (N4117.6 E01201.0) - RONAB, for route details see N737. **LIRF 10-1.**

BOLOGNA NDB (BOA) decmsnd. **E LO-13/1B.**

Ciampino NDB (CIA) decmsnd. **LIRF 10-1.**
EKNIS NCRP estbld at N5254.3 W00855.7. **E LO-2/5C.**

TREZZO VORDME (TZO) freq chgd to 117.25. **LIMC 10-1, E LO-4/10CD, E LO-13/1AB.**

LUXEMBOURG

ATS ROUTES changed:

Q763, DISKI (N4934.3 E00628.2) - LIMGO, MEA FL60. **E LO-3/5C.**

NETHERLANDS

ATS ROUTES changed:

L/UL745, Costa VORDME (COA) to TULIP, withdrawn. **EHAM 10-1, E LO-3/4AB.**

L74, TULIP (N5222.1 E00351.4) to LARAS, Rotterdam VORDME (RTM) withdrawn, TULIP - LARAS, 45NM. **EHAM 10-1.**

Z310 extended, LILSI NCRP (N5228.4 E00520.9) - OMORU NCRP - SUSET, 201°, 8/14NM, MEA FL110; LILSI to SUSET one-way SW-bound, cruising levels NON-standard, ODD levels SW-bound. **EHAM 10-1.**

NORWAY

AKOKU NCRP estbld at N6601.8 E01328.6. **E LO-7/3A.**

EUROPE

INVAL NCRP estbld at N6822.0 E01455.4.
E LO-7/3B.

NCRPs estbld: TOKLA at N7004.3 E03016.3 and
XEGRO at N6951.0 E01938.0. **ENDU 10-1,**
E LO-7/4AB.

ODNOS NCRP estbld at N6617.4 E01346.1.
E LO-7/3A.

POLAND

ATS ROUTES changed:

T353, UNBEK NCRP estbld at N5125.5
E02000.9; EVINA - UNBEK - IRBOS, 13/7NM.
E LO-11/3B4A.

T359 estbld; OVBOR NCRP (N5106.3 E02001.2)
- UNBEK NCRP estbld at N5125.5 E02000.9,
354°/174°, 19NM; UNBEK - VIDEV NCRP,
301°/121°, 10NM; OVBOR to VIDEV, MEA FL100,
MAA FL280. **E LO-11/3B.**

CHOCIWEL NDB (CHO) 375 cmsnd at N5328.5
E01520.0. **E LO-8/7C, E LO-10/8C.**

SZCZECIN NDB (OL) decmsnd. **E LO-8/6D7C,**
E LO-10/8C.

PORTUGAL

CAPARICA NDB (CP) decmsnd. **E LO-6/7C.**

CAPARICA NDB (CP) HOLDING withdrawn.
E LO-6/7C.

NETVO HOLDING withdrawn. **E LO-6/7C.**

PESEX HOLDING estbld at N3835.5 W00914.2,
inbound track 026°, RIGHT turns, MHA 4000'.
E LO-6/7C.

ROMANIA

ATS ROUTES changed:

T285 extended, Craiova VORDME (CRV) - TITEK
NCRP, 300°/120°, 18NM, MEA FL60. **E LO-13/5A.**

Y88, VIKBI (N4415.5 E02439.4) - ELDET, MEA FL60.
E LO-13/5AB.

RUSSIA

ATS ROUTES changed:

B8, OKUDI (N5907.0 E03138.9) to AGBON, cruising
levels chg to NON-standard, ODD-levels N-bound.
E LO-9/4B.

BD6T estbld, Bogdanovo NDB (BD) to Karmanovo
NDB (BG), for route details see BD3T and MF1T.
E LO-9/5BD.

R235, IVGOR (N5535.1 E01757.5) - BALIT, MOCA
2000T. **E LO-8/7D, E LO-9/2D.**

R239, RANOK (N5454.8 E01857.5) to OTVOV,
MOCA 2000T. **E LO-10/9A.**

R356, VADRU (N5541.9 E01747.1) - BALIT, MOCA
2000T. **E LO-8/7D, E LO-10/8B9A, E LO-9/2D.**

ATS ROUTES (undesigned) changed:

SAVELOVO NDB (SW) - BUZHAROVO NDB (AR)
redesignated BD6T. **E LO-9/5BD.**

PETROZAVODSK VORDME (PTZ) 109.25 cmsnd at
N6153.3 E03409.7. **E LO-8/10D.**

POCHINOK DME (PO) channel/freq chgd to 96X
114.9. **E LO-9/5A.**

UL(P)-37 estbld; GND-FL100. (N59 E030).
E LO-9/4AB.

UU(P)-405 estbld; GND-4000. (N56 E037).
E LO-9/5BD.

UU(P)-406 estbld; GND-4000. (N56 E037).
E LO-9/5BD.

SLOVENIA

ATS ROUTES changed:

M859, UMBEK (N4532.7 E01325.2) - BARPI, MEA
withdrawn, MORA 7300a; BARPI - TUTIV, EVEN
levels NE-bound. **E LO-12/6C, E LO-13/2AB.**

PIKIT (N4626.2 E01420.8) withdrawn. **E LO-12/6CD.**

SPAIN

ATS ROUTES changed:

B31, Sabadell VORDME (SLL) - MAMUK chgd to
two-way, 355°/175°. **LEBL 10-1.**

N861, OLOXO CRP estbld at N4226.1 E00130.8,
LATRO - OLOXO - OKABI, 40/11NM. **LEBL 10-1.**
T113, RUTIP NCRP estbld at N4228.7 E00126.2,
SINDO - RUTIP - OKABI, 21/9NM. **LEBL 10-1.**

CUATRO VIENTOS NDB (CVT) freq chgd to 417.
LEMD 10-1.

SWEDEN

ATS ROUTES changed:

Alma VOR (ALM) decmsnd and replaced by TIDVU
NCRP at same position. **EKCH 10-1, E LO-8/7C,**
E LO-10/8A.

M607, NUGPU NCRP estbld at N5846.8 E01729.1,
INGIS - NUGPU - Trosa VORDME (TRS),
10/10NM; RIKPA NCRP estbld at N6149.8
E01858.0, ARTAB - RIKPA - EDAXA, 52/60NM.
ESSA 10-1, E LO-7/2D3C, E LO-8/8AB9A,
E LO-9/2B.

M996, APZER NCRP estbld at N5849.7 E01734.6,
Trosa VORDME (TRS) - APZER - DISRU, 7/15NM.
ESSA 10-1, ELO-8/8AB, E LO-9/2B.

Sveda VORDME (SVD) replaced by ERNOV NCRP
at same position. **EKCH 10-1, E LO-8/7A,**
E LO-10/8A, E LO-9/1D.

T316, ASVOB NCRP estbld at N6152.1 E01758.7,
PEVEL - ASVOB - SIPRI, 9/65NM. **E LO-7/2D,**
E LO-8/8B9A.

PERRY (N5546.6 E01357.8) renamed EKRAL.
EKCH 10-1, E LO-8/7C, E LO-10/8A, E LO-9/2C.

SVEDA VOR (SVD) decmsnd. **EKCH 10-1,**
E LO-8/7A, E LO-10/8A, E LO-9/1D.

VEDBY VOR (VEY) decmsnd. **EKCH 10-1.**

SWITZERLAND

ATS ROUTES changed:

A1, [SPR14] (N4637.4 E00611.5) withdrawn, St Prex
VORDME (SPR) - DINOX, 18NM. **LSGG 10-1.**

L856, AKABI (N4743.0 E00914.0) - ROMIR, MEA
FL80. **LSZH 10-1, E LO-4/10A.**

T626 estbld; DOUCI NCRP estbld at N4723.1
E00702.1; DOUCI - LUTIX NCRP, 132°, 19NM;
LUTIX - OSKUP NCRP, 087°, 10NM; DOUCI
to OSKUP, MEA 7000', one-way SE-bound.
LSZH 10-1, E LO-4/9D.

T627 estbld; LUTIX NCRP (N4709.9 E00722.2) -
LARDO NCRP at N4705.6 E00722.0, 181°, 4NM,
MEA 6000', one-way S-bound, cruising levels
NON-standard, ODD levels S-bound; LARDO -
BIRKI NCRP at N4700.8 E00722.6, 173°, 5NM,
MEA 4000', one-way S-bound. **E LO-4/9D.**

EUROPE

W102, St Prex VORDME (SPR) to BALIR, CDR 1. **LSGG 10-1**.
 Y170, ABREG (N4618.4 E00933.1) to ROMIR, CDR 1. **LSZH 10-1**.
 Z3, DEGES (N4724.8 E00912.1) to BODAN, withdrawn. **E LO-4/10AC**.
 Z4, DEGES (N4724.8 E00912.1) to BODAN, withdrawn. **E LO-4/10AC**.
 Z5, DEGES (N4724.8 E00912.1) to BODAN, withdrawn. **E LO-4/10AC**.
 Z55, BERSU (N4708.1 E00756.5) to GERSA, MEA FL120. **E LO-4/9D10C**.
 Z170, ARGAX (N4703.0 E00917.9) - KUDIS, CDR 1. **LSZH 10-1**.

TURKEY

ATS ROUTES changed:

A/UA285, ERGEP NCRP estbld at N3726.6 E03357.8; Mut VORDME (MUT) - ERGEP - SELVI, 47/37NM. **SUPPL ME HL-1A/4**.
 R/UR32, Kula VORDME (DEN) - VAKUM, 250°/070°. **SUPPL ME HL-1A/2**.
 T/UT44, MINSU coords should read N3905.1 E02803.4. **SUPPL ME HL-1A/2**.
 T/UT54, ROLVI NCRP estbld at N3913.1 E03148.7; Afyon VORDME (KFK) - ROLVI - HALIL, 64/28NM. **SUPPL ME HL-1A/3**.
 T/UT310, AKCAK (N4125.7 E03043.5) chgd to CRP. **SUPPL ME HL-1A/3**.
 UN61, GONPU NCRP estbld at N4118.0 E04157.6; Trabzon VORDME (TBN) - GONPU - NOLGA, 100/47NM. **SUPPL ME HL-1A/6,7**.
 UT38, ATKAN (N3931.2 E02751.0) - KUDAK, should be 24NM. **SUPPL ME HL-1A/2**.
 UY23, Antalya VORDME (AYT) to OSDAN, should read UQ23. **SUPPL ME HL-1A/3**.
 W/UW702, GUMRU (N4132.9 E03121.0) chgd to CRP. **SUPPL ME HL-1A/3**.
 W/UW717, Adana VORDME (ADA) - Hatay VORDME (HTY), withdrawn. **SUPPL ME HL-1A/4,5**.

ATS ROUTES (undesigned) changed:

ESTBLD: Van VORDME (VAN) CRP - RUPOM CRP at N3750.3 E04357.4 - Yuksekova VORDME (YKV) CRP, 137°/317°, 48/22NM; Van VORDME - RUPOM, MEA FL220 only; RUPOM - Yuksekova VORDME, MEA FL180, until 31 Mar 19. **SUPPL ME HL-1A/7**.
 HATAY VORDME (HTY) - ADKAR, distance should read 59NM. **SUPPL ME HL-1A/4,5**.
 KEPES (N3808.4 E03642.5) to KILIS, withdrawn. **SUPPL ME HL-1A/5**.
 SULAK (N3753.7 E03617.2) - POGEN, withdrawn. **SUPPL ME HL-1A/5**.
 ADVOK coords should read N3930.2 E03630.1. **SUPPL ME HL-1A/5**.

U.K.

ATS ROUTES changed:

Dover VOR (DVR) removed from ATS routes. **EGLL 10-1, E LO-3/3B4A**.
 L9 redesignated Q63, Strumble VORDME (STU) to Compton VORDME (CPT). **E LO-3/2AB3A**.
 L179, GILTI (N5134.2 E00203.3) to Lambourne VORDME (LAM), CDR 13. **EGLL 10-1, E LO-3/3B4A**.

L602, NCRPs TOLSA (N5307.6 E00306.5) and OKAMA withdrawn, MIMVA - EMLON, 30NM. **E LO-2/8C**.
 L620, NIBDA NCRP estbld at N5100.9 W00055.0 and NOVMA NCRP estbld at N5102.2 W00045.3; HAZEL - NIBDA - NOVMA - Midhurst VORDME (MID), 3/6/5NM. **EGLL 10-1, E LO-3/3AB**.
 Lydd VOR (LYD) removed from ATS routes. **EGLL 10-1, E LO-3/3B**.
 N14 extended; NIBDA NCRP at (N5100.9 W00055.0) - VOUGA NCRP at N5103.6 W00057.8 - KENET, 327°, 3/33NM, MEA FL100, one-way NW-bound. **EGLL 10-1, E LO-3/3A**.
 N19, BEKDA (N5047.8 W00232.8) renamed ADKIK. **E LO-3/2B**.
 N63 extended; IMVUR NCRP at N5110.5 W00031.9 - VOUGA NCRP at N5103.6 W00057.8 - Southampton VORDME (SAM), 247°/(067°), 18/16NM, MEA FL80, one-way W-bound. **EGLL 10-1, E LO-3/3A**.
 N514, BEKDA (N5047.8 W00232.8) renamed ADKIK. **E LO-3/2B**.
 N601, SANDY (N5103.9 E00104.1) - Detling VORDME (DET), withdrawn. **EGLL 10-1, E LO-3/3B**.
 P137, UMBAG (N5220.9 E00047.0) - SONDO realigned; SIVDA NCRP - REDFA NCRP, 098°, 92NM. **E LO-3/3B4A**.
 P166, OLNEY (N5207.7 W00044.1) - BANTO realigned; Daventry VORDME (DTY) NCRP - WELIN NCRP, 068°, 11NM, MEA FL90; WELIN - BANTO, 074°, 24NM, MEA FL210. **EGCC 10-1, EGLL 10-1, E LO-3/3AB**.
 T418 estbld; UMLAT NCRP at N5140.3 W00041.7 - WOBUN NCRP, 356°, 21NM; WOBUN - WELIN NCRP, 343°, 14NM; UMLAT to WELIN, MEA FL100, one-way N-bound. **EGCC 10-1, EGLL 10-1, E LO-3/3A**.
 T420, FINCH replaced by ULTIB NCRP at N5139.6 W00016.7; Biggin VORDME (BIG) - ULTIB - HEMEL, 23/10NM. **EGLL 10-1, E LO-3/3AB**.
 Y110, ORIST (N5000.0 W00150.7) - VEXEN, MEA FL120; VEXEN - THRED, MAA FL160. **CCN 304**.

BERRY HEAD CTA Class 'A' estbld. Altitudes FL65-FL195. (N51 W003). **E LO-3/2BD**.
 FOYLE (N5608.6 W00422.9) HOLDING withdrawn. **E LO-1/2C**.
 FYNER (N5602.9 W00506.9) HOLDING withdrawn. **E LO-1/2C**.
 GRID MORA (N52-N53/W004-W005) raised to 3800'. **E LO-2/6CD, E LO-3/2AB**.
 MARHAM TACAN (MAM) coords chgd to N5238.8 E00033.7. **E LO-2/7D, E LO-3/3B**.
 NITON CTA Class 'A' estbld. Altitudes 3000'-FL195. (N53 W003). **EGCC 10-1, E LO-2/6D, E LO-3/2B**.

TERMINAL CHARTS

GENERAL

FINLAND

STARs and SIDs are also minimum noise routings.

EUROPE

FRANCE

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 France for CAT ABCD aircraft. RVR below 150m can only be used for selected runways which are already specified on current Jeppesen charts.

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 HIRL and CL and TDZ, MID and RO RVR: RVR 125m
5. On CAT III RWYs with approved guidance system or HUD/HUDLS: RVR 75m

GERMANY

Jeppesen charted take-off minimums are determined according to the available RWY lights only. A Low Visibility Procedure (LVP) may or may not be established at the departure airport. Pilots are reminded to check the availability of LVP with ATC before using the charted minimums. Otherwise, according to SPA.LVO.115, the take-off is restricted to a minimum visibility of 800m.

Location/airport name changed from Lubeck to Luebeck, Monchengladbach to Moenchengladbach, Zweibrucken to Zweibruecken.

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 Germany for CAT ABCD aircraft. RVR below 150m can only be used for selected runways which are already specified on current Jeppesen charts.

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 HIRL and CL and TDZ, MID and RO RVR: RVR 125m
5. On CAT III RWYs with approved guidance system or HUD/HUDLS: RVR 75m

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 HIRL 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

A Coruna, Spain, Improvement works of apron (based on SUP 04/18, from 19-Jul-18 based on SUP 78/18). Refer to temp charts 10-8 and 10-8A and latest NOTAMs.

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.

Agen, France, (La Garenne), ACFT not having compatible radiocommunication equipment in 8.33 kHz spacing contact TOULOUSE Information on 121.250 MHz.

Alderney, U.K., Tower frequency 125.350 MHz changed to 125.355 MHz. Ground frequency 130.5 MHz changed to 130.505 MHz.

Alicante, Spain, (Alicante-Elche), Works on apron (based on SUP 126-18). Refer to temporary page 10-8 and latest NOTAMs.

Almeria, Spain, (13-1) VOR procedure unservicable (based on SUP 63/18).

Substitution works for NDB AMN (based on SUP 56/18, with eff 13 SEP 18 based on SUP 114/18). NDB is temporarily unavailable. Following procedures are not available: (11-2) ILS Y Rwy 25, (16-1) NDB Rwy 07, (16-2) NDB B. Refer also to latest NOTAMs.

Works on TWY S2 (based on SUP 26-18). During Phase 3: TWY S2 out of service. Alternative routes established: enter RWY 07 and exit RWY 25 via TWY S1.

Angouleme, France, (Brie-Champniers), ACFT not having compatible radiocommunication equipment in 8.33 kHz spacing contact LIMOGES Information on 124.050 MHz.

Antwerp, Belgium, (Deurne), ANTWERP Tower frequency changes to 135.205 MHz, ANTWERP Ground frequency changes to 121.905 MHz, ATIS frequency changes to 124.205 MHz.

Are Ostersund, Sweden, Tower frequency changes to 135.655 MHz.

Asturias, Spain, (SID/STAR) Possible signal loss of VES VOR in R-174.

Possible signal loss of VES DME in R-174 and R-042.
Refer also to latest NOTAMs.

Works on RWY and TWY (based on SUP 125-18). Refer to temporary page 10-8 and latest NOTAMs.

Badajoz, Spain, (Talavera La Real AB), Right wingbar of VASI u/s (based on SUP 45-18).
TWY C4 and C6 closed (based on SUP 44-18).

Barcelona, Spain, (El Prat), Construction works on airport (based on SUP 118/18). Refer to temp charts 10-8D thru 10-8L and latest NOTAMs.

Construction works on Ramp 15 (based on SUP 49/18, with eff 16 AUG 18 based on SUP 91/18). Refer to temp charts 10-8 thru 10-8C and latest NOTAMs.

Bari, Italy, (Palese), For construction works on RWY 07/25 (based on SUP 012-17), refer to temporary chart 10-8/10-8A and latest NOTAMs.

Runway 07/25 length: 2444m (8018ft), TORA/ASDA/LDA: 2444m (8018ft), TODA: 2504m (8215ft).

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- Beauvechain**, Belgium, (Beauvechain AB), BEAUVECHAIN Tower frequency 130.725G MHz changes to 130.730 MHz, BEAUVECHAIN Ground frequency 121.850 MHz changes to 121.855 MHz, BEAUVECHAIN Approach frequency 122.825G MHz changes to 122.830 MHz, BEAUVECHAIN PAR frequency changes to 119.630 MHz.
- MDA(H) for RNAV (GNSS) RWY 04L (12-1) approach lowered from 780' (422') to 750' (392'). Minimums not affected from this change.
- Belfast**, U.K., (Aldergrove), NDB Rwy 25 (16-1) apch proc will not be available.
- Bergamo**, Italy, (Orio Al Serio), (10-3S thru 10-3X) New temp procedures on trial basis. Refer also to latest NOTAMs.
- Bergen**, Norway, (Flesland), Due to end of construction works at Bergen airport Thr Rwy 17 coordinates should read N 60 18 15.24 E 005 12 52.17. Declared distances for Rwy 17 should read TORA: 2820m (9252ft), TODA: 3120m (10236ft), ASDA: 2820m (9252ft), LDA: 2550m (8366ft). Declared distances for Rwy 35 should read TORA: 2795m (9170ft), TODA: 3095m (10154ft), ASDA: 2795m (9170ft), LDA: 2525m (8284ft).
- Birmingham**, U.K., (10-9) Maintenance work will require full closure of RWY 15/33. Closures will take place overnight beginning Monday night and ending on Saturday morning each week. For detailed closure dates and times refer to SUP 045-18 and latest notams.
- Bornholm**, Denmark, (Ronne), Approach frequency 118.32 MHz changed to 118.325 MHz.
- Brive**, France, (Souillac), ACFT not having compatible radiocommunication equipment in 8.33 kHz spacing contact LIMOGES Information on 124.050 MHz.
- Brize Norton**, U.K., (Brize Norton AB), ILS Rwy 07 not suitable for auto-coupled approaches to CAT 1 DH.
- Brussels**, Belgium, (Brussels National), BRUSSELS Arrival frequency changes to 118.255 MHz, BRUSSELS Departure frequency changes to 126.630 MHz, BRUSSELS Tower frequency 118.6 MHz changes to 118.605 MHz and frequency 120.775 MHz changes to 120.780 MHz, BRUSSELS Ground North frequency changes to 118.055 MHz, BRUSSELS Ground South frequency changes to 121.880 MHz, BRUSSELS Delivery frequency changes to 121.955 MHz, D-ATIS Arrival frequency 132.475 MHz changes to 132.480 MHz, D-ATIS Departure frequency changes to 121.755 MHz.
- For construction works information and temporary straight-in apch minimums refer to 10-8 pages and latest NOTAMs (based on SUP 25-18, SUP 29-18).
- Rwy 25R PAPI-L changed to PAPI-R.
- Burgos**, Spain, (SID/STAR) Due to temporary unavailability of NEA VORDME the following procedures are suspended:
NEA 1A (10-2A)
NEA 2C (10-3B)
NEA 2G (10-3C)
Refer also to latest NOTAMs.
- Cannes**, France, (Mandelieu), (10-1R) Several altitudes and sectors revised.
- Carcassonne**, France, (Salvaza), ACFT not having compatible radiocommunication equipment in 8.33 kHz spacing contact TOULOUSE Information on 121.250 MHz.
- Cascais**, Portugal, Communications changed to: LISBON Control (APP): 119.105; CASCAIS Tower: 120.305 MHz; CASCAIS Ground: 121.830 MHz.
- Castres-Mazamet**, France, ACFT not having compatible radiocommunication equipment in 8.33 kHz spacing contact TOULOUSE Information on 121.250 MHz.
- Celle**, Germany, (Celle Army), (10-3, 10-3B, 10-3C) Add IATA code: ZCN.
- Charleroi**, Belgium, (Brussels South), CHARLEROI Approach frequency 119.7 MHz withdrawn. CHARLEROI Approach frequency 128.725 MHz established. CHARLEROI Approach frequency 133.125 MHz changes to 133.130 MHz, CHARLEROI Tower frequency changes to 121.305 MHz, CHARLEROI Ground frequency changes to 121.805 MHz, ATIS frequency 134.625 MHz changes to 134.630 MHz.
- Cologne-Bonn**, Germany, Construction works on Rwy 14L/32R (based on SUP 005-18). Refer to temp charts 10-8/10-8A and latest NOTAMs.
- Coningsby**, U.K., (Coningsby AB), Airport Info (10-9): read Rwy 07/25 width as 187'/57m instead of 200'/61m.
- Copenhagen**, Denmark, (Kastrup), (10-9A) AIRPORT INFO, TAKE-OFF MNMS Intersection Take-off RWY 04L with TWY E withdrawn. KASTRUP Final (App) frequency 120.2 MHz changed to 120.205 MHz. COPENHAGEN Approach (R) frequency 119.8 MHz changed to 119.805 MHz.
- Deventer**, Netherlands, (Teuge), TEUGE Radio frequency changes to 121.005 MHz.
- Dublin**, Ireland, (Dublin Intl), (10-9) Construction (based on SUP 014-16) of a new engine test site adjacent to Twy H2. Twys B3 and H2 may be withdrawn from service from time to time during works.
- Construction of fuel pipeline (based on SUP 011-18). Refer to temp chart 10-8D and latest NOTAMs.
- Construction works on apron adjacent Apron TWY 6 (based on SUP 003-18), Eff 01 Apr 2018. Refer to temp chart 10-8B and latest NOTAMs.
- Rehabilitation works on Apron TWY 5 Phase A and B (based on SUP 014-18). Refer to temp chart 10-8E and latest NOTAMs.
- Rehabilitation works on RWY 16/34 Phase 1 (based on SUP 018-18). Refer to temp chart 10-8 for construction Area 1 and 2. For construction Area 3 refer to 10-8A and latest NOTAMs.
- Temp procedure (13-01) VOR T Rwy 28 established. For details refer to temp charts and latest NOTAMs.
- Dubrovnik**, Croatia, (Cilipi), Construction works on aerodrome (based on SUP 012/18, SUP 013/18 and SUP 014/18):

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Phase II: Procedures (11-1) ILS or LOC RWY 12, (12-1) RNAV (GNSS) RWY 12, (13-1) VOR RWY 12 and (16-1) LCTR RWY 12 suspended. Refer to temporary procedures: (11-01) LOC Z RWY 12, (13-01) VOR Z RWY 12 and (16-01) LCTR Z RWY 12.

Phase III: Procedures (11-1) ILS or LOC RWY 12, (12-1) RNAV (GNSS) RWY 12, (13-1) VOR RWY 12 and (16-1) LCTR RWY 12 suspended. Refer to temporary procedures: (11-02) LOC Y RWY 12, (12-01) RNAV (GNSS) Y RWY 12, (13-02) VOR Y RWY 12 and (16-02) LCTR Y RWY 12.

For details refer to temp charts 10-8/10-8A and latest NOTAMs.

Duesseldorf, Germany, Construction works on TWY K5 and L9 (based on SUP 16-18). Closure of TWY L9 from TWY M to RWY 05R, taxiing guidance via RWY 05R and provisional taxi guide line to TWY L8 without centreline lighting. The effective date will be published by NOTAM.

For construction works information (based on SUP 010-18) refer to 10-8 and latest NOTAM.

Edinburgh, U.K., (16-1) NDB DME RWY 06: due to crane DA/MDA(H) for all CAT with DME raised to 770' (660'), RVR for CAT C & D with ALS raised to RVR 2300m. DA/MDA(H) for all CAT w/o DME raised to 820' (710'), RVR for CAT C & D with ALS raised to RVR 2400m. Circle-to-land MDA(H) for CAT A in total area increased to 820'(684').

Works on stands 31 thru 34 and on Twy H (based on SUP 040-18). Refer to temp chart 10-8A and latest NOTAMs.

Elefsis, Greece, (11-1) ILS W or LOC W Rwy 36R and (13-3) VOR W Rwy 36R procedures are suspended due to works in progress on Rwy 18L/36R.

Due to works on Rwy 18L/36R (based on VOL 1 High Altitude) characteristics of established RWYs, TWYs and Aprons changed. Refer to temporary chart 10-8 and latest NOTAMs.

Etain, France, (Rouvres Army), (11-1), (16-1), (16-2): MSA based on ETN NDB changed from bearing 209° to 206°.

Evora, Portugal, ALS Rwy 19 out of service (based on SUP 026-18, from 6-Dec-18 based on SUP 047-18).

PAPI-L for RWY 01/19 out of service.

Faro, Portugal, Communications changed to: D-ATIS 124.205 MHz; FARO Approach 119.405 MHz; FARO Tower 120.755 MHz; FARO Ground 118.580 MHz.

RWY surfacing works will take place in two phases (based on SUP 001-2017). During Phase 2 following changes apply: CL will not be available and RWY 28 will be downgraded from CAT II to CAT I, REIL will be available for RWY 10 and RWY 28. Refer also to latest NOTAMs.

Figari/Sud Corse, France, Works on Rwy (based on SUP 163-18). Refer to temp chart 10-8 and latest NOTAMs.

Florennes, Belgium, (Florennes AB), FLORENNES Tower frequency 125.875G MHz changes to 125.880 MHz, FLORENNES Approach frequency 124.375 MHz changes to 124.380 MHz.

Floro, Norway, FLORO Information freq 121.850 withdrawn.

Frankfurt/Main, Germany, To increase safety when crossing RWY 07C-25C a RWY incursion alerting system (RIAS) will be installed to supplement existing CAT II-III holding with a stop bar on TWY M8. RIAS is activated when an aircraft even slightly crosses the active stop bar. This sends an alert to the pilot. Four very bright flashing red surface lights at CAT I holding as well as two elevated lights each on both shoulders of TWY M8 between CAT I and CAT II-III holding are activated and tower controllers are alerted.

Geneva, Switzerland, Construction works on Apron (based on SUP 009-18). Refer to temporary 10-08 and latest Notams.

Grass RWY 04/22 closed.

Giebelstadt, Germany, Airspace F replaced by RMZ, lower limit of controlled airspace lowered to 1000' AGL.

Girona, Spain, Works on Apron area (based on AIRAC SUP 31-17, from 24-May-18 based on SUP 67-18). Refer to temporary charts 10-8 thru 10-8C and latest NOTAMs.

Works on TWYs (based on SUP 115/17, from 19-Jul-18 based on SUP 88/18). Refer to temporary chart 10-8D and latest NOTAMs.

Glasgow, U.K., Tower frequency 118.0 MHz changed to 118.805 MHz. Ground frequency 121.7 MHz changed to 121.705 MHz.

Goteborg, Sweden, (Landvetter), (10-9A, 10-9B, 10-9C, 10-9D) Due to construction work on apron (based on SUP 026/18) parking stand 20 is closed. A temporary stand 19A is established between stands 20 and 19 at N57 40.1 E012 17.6, elev 502 ft.

(10-9B, 10-9C, 10-9D) Marshalling is mandatory on northeastern apron between twy F and stands 1 thru 3 when RVR is lower than 350m due to outage of twy centreline lights.

Minima raised due to cranes at apt as follows:

(11-1) ILS or LOC RWY 03, (16-1) NDB RWY 03: Circling CAT A raised to 980' (473')

(11-2) ILS or LOC RWY 21, LOC (GS out) DA/MDA(H) raised to 840' (334'), RVR 800m, ALS out RVR 1500m. Circling CAT A raised to 980' (473').

(12-2) RNP Y Rwy 21, LNAV DA/MDA(H) raised to 910' (404'), RVR 1200m, ALS out CAT C/D RVR 1900m.

(12-21) RNP Z RWY 21 (AR) DA(H) raised to 900' (394'), RVR 1100m, ALS out RVR 1800m.

(16-2) NDB RWY 21 DA/MDA(H) raised to 930' (424'), RVR 1300m, ALS out CAT C/D RVR 2000m. Circling CAT A raised to 980' (473').

Grazzanise, Italy, (Grazzanise Mil), (10-2/A, B/C, 10-3B/C) Add IATA code: QTC.

Guernsey, U.K., Approach frequency 128.650 MHz changed to 128.655 MHz. Tower frequency 119.950 MHz changed to 119.955 MHz. Ground frequency 121.8 MHz changed to 121.805 MHz.

Hammerfest, Norway, Rwy 05/23 is grooved.

Hannover, Germany, For construction works information (based on SUP 029-18) refer to 10-8 and latest NOTAM.

Stand 28 push-back required.

Heringsdorf, Germany, HERINGSDORF Tower frequency changes to 132.830 MHz.

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- Huesca**, Spain, (Pirineos), REIL RWY 12R unserviceable (based on SUP 120/17, with effective date 06 DEC 18 based on SUP 157/18). REIL RWY 30L unserviceable (based on SUP 121/17, with eff date 6 DEC 18 based on SUP 158/18).
- Humberside**, U.K., Tower frequency 124.9 MHz changed to 124.905 MHz.
- Ibiza**, Spain, Apron pavement works (based on SUP 108-18). Refer to temporary page 10-8B and latest NOTAMS.
- Construction works on Apron (based on SUP 112-18). Refer to temporary chart 10-8 and latest NOTAMS.
- Construction works on RWY and THR06/24 (based on SUP 124-18). During phase 1 (11-1) ILS Z or LOC RWY 06, (11-2) ILS Y RWY 06 and (13-1) VOR RWY 06 not usable. During phase 2 (11-3) ILS Z RWY 24, (11-4) ILS Y RWY 24, (11-5) LOC RWY 24, (13-2) VOR RWY 24 and (16-1) NDB RWY 24 not usable. Refer to temporary chart 10-8C/10-8D and temporary procedures (11-01) LOC RWY 06, (13-01) VOR RWY 06, (13-02) VOR RWY 24 and (16-01) NDB RWY 24.
- During works to connect apron with the twy parallel to the rwy (based on SUP 137-18) following twy restrictions apply: Phase 1: twy C between twy H2 and twy D restricted to acft code E. Phase 2: twy C between twy B and twy D restricted to acft code E. Phase 3: twy C between twy H2 and twy D restricted to acft code D. Phase 4: twy C between twy B and twy D restricted to acft code D.
- (RNAV SIDs) Due to runway threshold pavement works on THR 06 and THR 24 (based on SUP 124/18) pilots are to be aware to 'EXPECT close-in obstacles' up to 105' for RWY 06 and up to 78' for RWY 24. Procedures remain unchanged. Refer also to latest NOTAMS.
- Works on TWYs (based on SUP 119-18). Refer to temporary page 10-8A and latest NOTAMS.
- Ireland West**, Ireland, (Knock), (11-2) ILS B RWY 26: Middle marker 75 kHz out of service.
- Isle Of Man**, U.K., ATIS frequency 123.875 MHz changed to 123.880 MHz. Approach frequency 135.9 MHz changed to 135.905 MHz. Radar frequency 120.850 MHz changed to 120.855 MHz. Tower frequency 119.0 MHz changed to 119.005 MHz.
- Istres**, France, (Le Tube AB), Works on Airport Area - phase 6 (based on SUP 124/18). During Sub-phase 1A: Rwy 15/33 temporary THR elev 82'/69'. Refer to temp charts 10-8F thru 10-8J and latest NOTAMS.
- Jerez**, Spain, Works on Aprons A1 and A3 (based on SUP 138-18). Refer to temp chart 10-8 and latest NOTAMS.
- Kalamata**, Greece, (10-9) TWY A marked and lighted as RWY.
- Karlstad**, Sweden, (10-2) Outer marker RWY 03 out of service.
(11-1) ILS or LOC Rwy 03, OM is out of service.
- Kerry**, Ireland, Works for provision of directional and information signage (based on SUP 004-18). Refer to temp chart 10-8 and latest NOTAMS.
- Works for repairs to taxiway A (based on SUP 007-18). Refer to temp chart 10-8A and 10-8B and latest NOTAMS.
- Kirkenes**, Norway, (Hoybuktnoen), (12-1) RNAV (GNSS) Rwy 06 and (12-2/12-2A) RNAV (GNSS) Rwy 24: LPV minimums suspended.
- Kittila**, Finland, (10-9) Construction work Phase 3 is carried out on northern part of apron next to stand 7 (based on SUP 102-18). Closed area is marked with flags, cones and temporary lights.
(10-9) Construction work Phase 4 is carried out on northern part of apron and beyond, next to stand 7 (based on SUP 127-18). Closed area is marked with flags, cones and temporary lights.
- Kleine-Brogel**, Belgium, (Kleine-Brogel AB), KLEINE-BROGEL Tower frequency changes to 134.105 MHz, KLEINE-BROGEL Approach frequency 134.475 MHz changes to 134.480 MHz.
- Koksijde**, Belgium, (Koksijde AB), KOKSIJDE Approach frequency 121.050 MHz changes to 121.055 MHz.
- Kristianstad**, Sweden, Due to erected obstacle following minimums raised: (12-2) RNP Rwy 19, LNAV/VNAV DA(H) CAT A 394'(320') ALS out RVR 1400m; DA(H) CAT B 404'(330') RVR 800m, ALS out RVR 1500m; DA(H) CAT C 414'(340') RVR 800m, ALS out RVR 1500m; DA(H) CAT D 424'(350') RVR 900m, ALS out RVR 1600m. LNAV DA/MDA(H) 510'(436'), CAT ABCD RVR 1300m, CAT C&D ALS out RVR 2000m. (16-2) NDB Rwy 19 DA/MDA(H) 510' (436'), CAT ABCD RVR 1300m, CAT C&D ALS out RVR 2000m.
- Kuopio**, Finland, (12-1) RNAV (GNSS) RWY 15 due to temporary shortened HIALS minimums for LNAV/VNAV with ALS raised to RVR 1400m and for LNAV CAT C&D with ALS RVR raised to 1800m. (13-1) VOR RWY 15 minimums with D4.1/D6.0 CAT C&D with ALS, RVR raised to 1800m. Minimums W/o D4.1 CAT C&D with ALS, raised to CMV 2400m.
- Laupheim**, Germany, (Laupheim Army), (18-1, 18-2) EFF 23 Aug 2012 LIMA Radar frequency chgd from 119.1 MHz to 120.45 MHz.
- Leeds Bradford**, U.K., Apt closed due to apt ground lighting replacement (based on Sup 51-18). ATC services remain available for ACFT transit EGNM controlled airspace.
- Lelystad**, Netherlands, LELYSTAD Information and Radio frequency changes to 123.680 MHz.
- Leon**, Spain, ABN out of service; RWY 06/24 natural ground compact closed; Helicopter landing area closed (based on SUP 01-17, eff 1 Mar 2018 based on SUP 24-18).
- Les Eplatures**, Switzerland, All charts - IATA code ZHV
- Liege**, Belgium, During renovation of rwy 04L/22R refer to 10-8 temp charts for Low visibility taxi routes. For stage 2 refer to 10-8 and 10-8A. For stage 4 refer to 10-8B and 10-8C. Stage 1, 3 and 5 have no input onLVP. During stage 6 LVP not available.
- The 6 geographical working zones are as follows:
Zone 1: between CO-N0 and C1 included.
Zone 2: between C1 and C2-N2 (included).

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Zone 3: between C2-N2 (excluded) and C4-N4 (excluded).

Zone 4: C4-N4 at more than 90 m (295') from the axis of RWY 04R/22L.

Zone 5: Concrete area at C4 at less than 90m (295') from axis of RWY 04R/22L.

Zone 6: Renovation of the apch lights and associated masts.

Refer also to latest NOTAMS.

LIEGE Approach frequency changes to 119.280 MHz, LIEGE Tower frequency changes to 118.130 MHz, LIEGE Ground frequency changes to 121.930 MHz, ATIS frequency 126.250 MHz changes to 126.255 MHz.

RWY 04L/22R HIRL spacing changed to 30m.

Limoges, France, (Bellegarde), Departing ACFT not having compatible radiocommunication equipment in 8.33 kHz spacing contact LIMOGES Tower on 119.550 MHz.

Arriving ACFT not having compatible radiocommunication equipment in 8.33 kHz spacing contact LIMOGES Information on 124.050 MHz.

Linköping, Sweden, (Malmén AB), (26-1) NDB Z Rwy 01, outbound bearing from Lctr to D11.0 in profile view must read 193° instead of 013°.

OSTGOTA Control frequency 132.950 MHz changed to 132.955 MHz. (12-1) RNP Rwy 01 & (12-2) RNP Rwy 19, OSTGOTA Control frequency 132.850 MHz should read 135.850 MHz.

Lleida, Spain, (Alguaire), Outside ATS hrs: Air to Air Self information on 121.325.

London, U.K., (Gatwick), Due to constructions works based on SUP 061-18 TWY QA and TWY R between junction of TWY RA and junction of TWY L closed.

London, U.K., (Heathrow), (10-3E) SID DET 1J will be replaced with SID DET 2Z trial procedure on RWY 09R. SID DET 1J will be available on special request by Heathrow Delivery for flights unable to meet the DET 2Z profile. Eff4 Jan 2018.

Rehabilitation of Twy A between Link 11 & ground reporting point AY10 (based on SUP 033-18). Refer to temp charts 10-8 and 10-8A and latest NOTAMS.

Trial RNAV APCHs for RWYs 09L, 09R, 27L and 27R available (based on SUP 46-18, 30 AUG 18). Pilots wishing to take part in the trial should "Request RNAV Yankee" on first contact with HEATHROW Director 119.725. 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.

London, U.K., (Luton), (50-9) Airport, Airport Info, LVP, Take-off mnms and (50-1P2) 2.4-1 Turn-off from RWY 08/26 onto TWY H is allowed.

Luebeck, Germany, (Blankensee), Twy C is available daytime and night time.

Luxembourg, Luxembourg, Apron 5 temporarily closed between Eastern and Western entries. Fuel station accessible via Western entry.

At the intersection of TWY B1 and TWY D1 fillet parts are missing on both sides. Acft Code E and higher should adjust steering accordingly.

LUXEMBOURG Approach frequency changes to 118.905 MHz, LUXEMBOURG Tower frequency changes to 118.105 MHz, ATIS frequency changes to 134.755 MHz.

Madeira, Portugal, Chart 13-2: Procedure designation reads "CIRCLING VOR DME Rwy 23".

(SID/STARs) Due to replacement of MSSR Porto Santo Radar Station (10-2, 10-2A, 10-2B) all STARs suspended. Use Contingency STARs on 10-2C, 10-2D instead. (10-3, 10-3A, 10-3B, 10-3C, 10-3D, 10-3E, 10-3F) all SIDs suspended. Use Contingency SIDs on 10-3H, 10-3J, 10-3K, 10-3L instead. Refer also to latest NOTAMS.

Madrid, Spain, (Adolfo Suárez Madrid-Barajas), (10-2A) Due to temporary unavailability of NEA VORDME holding over ORBIS changed to:

D53.9/D59.0 NVS

RIGHT turn

FL140/240, inbound 184°

Refer also to latest NOTAMS.

Construction works on TWYs (based on SUP 10-18). During phase 1: TWY F5 closed. During phase 3: TWY E4 closed. In the event of interrupted take-off in South configuration departing from RWY 14R, ACFT must backtrack along the RWY. Caution is advised due to the presence of personnel and machinery.

Works for extension of ramp 7 (based on SUP 130/18). Refer to temporary charts 10-8B, 10-8C and latest NOTAM's.

Works for lighting installation on Apron and TWYs (based on SUP 086-18 and 135-18). Refer to temporary charts 10-8N thru 10-8V and latest NOTAMS.

Works for lighting installation on TWYs (based on SUP 64-18, with Eff 8 Nov 18 based on SUP 134-18). Refer to temp charts 10-8F thru 10-8L and latest NOTAMS.

Works for lighting installation on TWYs (based on SUP 93-18, from 16-Nov-18 based on SUP 136-18). Refer to temp charts 10-8W thru 10-8Z4 and latest NOTAMS.

Works for lighting installation on TWYs (based on SUP 106-18). Refer to temp charts 10-8V1 thru 10-8V4 and latest NOTAMS.

Works on ramp 2 thru 4 (based on SUP 129/18). Refer to temporary charts 10-8, 10-8A and latest NOTAM's.

Works on rwy and twys (based on SUP 144-17). Caution is recommended due to the presence of personnel and machinery. Taxiing should be undertaken at minimum power on the diversions to avoid the effects of jet blast in zones where personnel are working. Operational impacts: During phase 1, rwy 14R/32L closed. During phase 3, twy X6 closed. During phase 4, twy F1 closed. During phase 5, see NOTAM for impacts. During phase 6, rwy 18R/36L closed. During phase 7, rwy 18L/36R closed. Refer also to latest NOTAMS.

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- Works on the south of Terminal T4S between stands 580 and 582 (based on SUP 75/18). Refer to temp page 10-8M and latest NOTAMs.
- Works on TWY M31** (based on SUP 131/18, with eff 6 Dec 18 based on SUP 160/18). Refer to temporary charts 10-8D, 10-8E and latests NOTAM's.
- Madrid, Spain, (Getafe), IAP VOR Rwy 05** (chart 23-1) not available.
- MADRID Approach frequency** changed from 131.175 MHz to 124.230.
- VOR RWY 05 (23-1) procedure** not available (based on SUP 140-18).
- Madrid, Spain, (Torrejon),** Following facilities out of service: ABN, REIL RWY 04, 04D & 22 and retractable cable barrier bidirectional LETO 03-C-B (based on SUP 110-18).
- Magdeburg City, Germany, Airspace F** replaced by RMZ, lower limit of controlled airspace lowered to 1000' AGL.
- Malaga, Spain, (Costa Del Sol),** During works on apt in 2 phases (based on SUP 99/17, with Eff 26 APR 18 based on SUP 53/18), following procedures u/s: During phase 1: ILS Z or LOC Z RWY 31 (chart 11-5) and ILS Y or LOC Y RWY 31 (chart 11-6). During phase 2: GBAS Z RWY 13 (chart 12-40), GBAS Y RWY 13 (chart 12-41), GBAS Z RWY 31 (chart 12-42) and GBAS Y RWY 31 (chart 12-43). Caution is recommended due to the presence of personnel and machinery in the area of LOC system of ILS RWY 31 and GBAS system. Refer also to latest NOTAMs.
- Paving work on taxiways and apron** in 25 phases (based on SUP 132/17 + SUP 120/18). Refer to temp chart 10-8 thru 10-8K and latest NOTAMs.
- Several frequencies changed, D-ATIS Arrival:** 120.380. MALAGA Approach (ARR): 123.855. MALAGA Tower (RWY 12/30): 118.780. Ground (West): 121.705. Ground (East): 121.955. D-ATIS Departure: 124.480. MALAGA Clearance: 121.880. MALAGA Approach (DEP): 118.455.
- TWY G-11 closed** (based on SUP 123/17, with effective date 06 DEC 18 based on SUP 156/18).
- Malta, Malta, (Luqa),** Rehabilitation works on apron 8 (based on SUP 02/2018). Refer to temp chart 10-8 and latest NOTAMs. Eff 10 Dec 18.
- RWY width of RWY 13/31** change to 190/58m. RWY edge markings are recessed by 3/1m on each side to allow for pavement maintenance.
- Manchester, U.K., (10-9, 10-9A)** Airport info, Twy D north of Twy NA restricted to CAT D ACFT with MAX wingspan of 171/52m. Twy NA is closed HN. Approach service is available on MANCHESTER Director 121.350 MHz as directed by ATC.
- Construction works on Twys B and C** (based on SUP 039-18). Refer to temp chart 10-8 and latest NOTAMs.
- Radar (APP) frequency 118.575 MHz** changed to 118.580 MHz. Tower frequency 118.625 MHz changed to 118.630 MHz. Tower frequency 119.4 MHz changed to 119.405 MHz. Delivery (Cpt) frequency 121.7 MHz changed to 121.705 MHz. Ground frequency 121.850 MHz changed to 121.855 MHz. D-ATIS departure frequency 121.975 MHz changed to 121.980 MHz. D-ATIS arrival frequency 128.175 MHz changed to 128.180 MHz.
- Mannheim, Germany, (City), LANGEN Radar** frequency changes to 129.355 MHz.
- Marseille/Provence, France,** Construction works on apron in progress (based on SUP 155-18). Refer to temp charts 10-8 thru 10-8D and latest NOTAMs.
- Mehamn, Norway,** Rwy 17/35 is grooved.
- Menorca, Spain, REIL RWY 01** unserviceable (based on SUP 95-18).
- REIL RWY 19** out of service (based on SUP 142-18).
- Merville, France, (Calonne),** Communications changed to: ATIS 127.905 MHz; MERVILLE Ground 121.680 MHz; LILLE ATIS 119.330.
- Mikkeli, Finland, (16-2) MSA** raised in Sector NW to 2000'
- Montijo, Portugal, (Montijo AB), NDB MIO u/s** (based on MIL SUP 12-16).
- Red unserviceability lights** are not installed on the following locations: West Side THR19, East and West side RWY 01/19, North side RWY 08/26, South of interception with TWY A3 and A4, South of interception with TWY A5, A6 and H2. (Based on SUP 25-17).
- Rwy 08/26 unusable for jet acft** due to degraded pavement, except for emergencies.
- Twys A2 and E** closed.
- Use CAUTION while taxiing on TWY B2** between Apron S1 and THR 26 due to damaged pavement.
- Use caution while taxiing on TWY C** centerline abeam stand C3 & on East side of North Apron centerline due to damaged pavement.
- Montpellier/Mediterranee, France,** Works on TWYs (based on SUP 161/18). Refer to temp page 10-8 and latest NOTAMs.
- Munich, Germany, (10-9, 10-9B)** Construction (based on SUP 23-18 EFF 1 OCT 18) of new TWY C3 on apron 1 between TWYs W1 and O1. New TWY C3 will have markings and stop bars turned on to indicate that it is blocked till april 2019. Current TWY C3 will be renamed C4 and current TWY C4 will be renamed C5. Stands 132 and 152 will be withdrawn.
- Murcia, Spain, (Alcantarilla AB), ATR NDB** withdrawn. IAP NDB Rwy 07 (chart 26-1) withdrawn.
- Muret, France, (L'Herm), ACFT** not having compatible radiocommunication equipment in 8.33 kHz spacing contact TOULOUSE Information on 121.250 MHz.
- Nevers, France, (Fourchambault),** If local ATS not available, A/A in French only.
- Newquay, U.K., Circling MDA(H) Cat B** changed to 1200'(810')
- Nice/Cote D'Azur, France,** Communications changed to: NICE Approach (Arrival) 120.655 MHz 128.205 MHz; NICE Approach (Arrival East) 124.180 MHz; NICE Flight Data (Cpt) 121.780 MHz; NICE Ground 121.705 MHz; NICE Approach (DEP) 130.830 MHz.
- Nuernberg, Germany, NUERNBERG Tower** frequency changes to 118.305 MHz, NUERNBERG Ground frequency changes to 118.105 MHz.
- Orland, Norway, (Orland AB), (11-1) ILS or LOC** Rwy 15 and (12-1) RNAV (GNSS) Rwy 15 due to construction works lights reduced to 354m. ILS minimums with ALS increased to RVR 1000m.

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- LOC (GS out) with ALS increased to RVR 1400m. LNAV/VNAV with climb gradient min 3.1% CAT D increased to RVR 1100m. LNAV/VNAV with climb gradient min 2.5% CAT A RVR 1000m. CAT B&C RVR 1100m, CAT D RVR 1300m. LNAV with ALS RVR 1400m.
- Oslo**, Norway, (Gardermoen), Construction works on airport (based on SUP 006-18). Refer to temp chart (10-8A) and latest NOTAMs.
- Ostend-Brugge**, Belgium, (Ostend), OOSTENDE Tower frequency changes to 118.180 MHz, OOSTENDE Ground frequency changes to 121.980 MHz, ATIS frequency changes to 126.130 MHz.
- Ovar**, Portugal, (Ovar AB), Following movement areas closed: Twy C, intersection between Twys C and M, South entry to Apron 4.
- Palma De Mallorca**, Spain, Runway guards lights in TWY H6 out of service (based on SUP 150-18). Works on aprons (based on SUP 116-18, with eff 08 NOV 18 based on SUP 146-18). Refer to temp charts 10-8 and 10-8A and latest NOTAMs.
- Pamiers**, France, (Les Pujols), ACFT not having compatible radiocommunication equipment in 8.33 kHz spacing contact TOULOUSE Information on 121.250 MHz.
- Paris**, France, (Charles-De-Gaulle), ATIS frequency in French changed to 128.230 MHz.
PAPI Rwy 08L changed from LEFT side to RIGHT side.
- Paris-CDG** airport installed a fixed runway closure lighting system in the approaches of runway 08L/26R and 08R/26L.
The system is a yellow blinking cross, indicating to pilots flying final approaches that a runway is closed.
The lighting system is installed in the horizontal plan before each threshold of runway 08L/26R and 08R/26L.
The crosses are composed of two 72 m long branches crossing at an angle of 18 degree and covering a ground surface of 71 m x 11 m. This facility enables pilots to get visual information about runway status in case of any closure (as works, runway inspection, ILS calibration, winter operations). It is used as a complement to the closing devices already in use (mobile crosses placed after the thresholds). From January 1st 2018, runway closure lighting crosses are assessed during operations on runway 08L/26R and 08R/26L. The evaluation will go for 1 year.
(SIDs) Noise Abatement (Diagram) chart 20-4 withdrawn. Disregard the note in procedure note 1. "(refer to 20-4)".
Works under Terminal 1 (based on SUP 178-18). Refer to temp chart 20-8A and latest NOTAMs.
- Works on Twy E5 (based on SUP 119-18). During Phase 1: Twy E5 closed between stands K9 (excluded) and K21 (included). During Phase 2: Twy E5 closed between stands K1 (included) and K13 (excluded) and Twy GE3 closed. Refer also to latest NOTAMs
- Paris**, France, (Le Bourget), (RNAV SIDs RWY 07) Initial climb text to read "Climb on 068° track, at 620' turn RIGHT, intercept BT R-096 (due to proximity of LFPG RWYs 08R/08L, ACFT must be on course for BT R-096 no later than BT2.0 DME) to D13.0 BT".
- Paris**, France, (Orly), If weather conditions worsen (VIS 1500m or less or ceiling below 1000') an increase in holding times at the take-off threshold may occur.
- Works on stands and TWY W2 (based on SUP 150-18). Refer to temp chart 10-8/10-8A and latest NOTAMs.
- Perigueux**, France, (Bassillac), RNAV (GNSS) Rwy 29 (12-1): LPV only available when PAPI is operative. LNAV and LNAV/VNAV prohibited. NDB Rwy 29 (16-1) prohibited.
- Perpignan**, France, (Rivesaltes), (12-2) RNAV (GNSS) Y RWY 33 Minmimums changed as follows:
LNAV/ VNAV (MACG 3.5%): AB: DA(H) 385' (250'), RVR 800m, ALS out RVR 1300m; C: DA(H) 395' (260'), RVR 800m, ALS out RVR 1300m; D: DA(H) 405' (270'), RVR 900m, ALS out RVR 1300m.
LNAV/ VNAV (MACG 2.5%): AB: DA(H) 385' (250'), RVR 800m, ALS out RVR 1300m; C: DA(H) 395' (260'), RVR 800m, ALS out RVR 1300m; D: DA(H) 445' (310'), RVR 1000m, ALS out RVR 1400m.
LNAV: DAMDA(H) 490' (355'), RVR 1200m, ALS out AB: RVR 1500m, CD: RVR 1600m.
- Porto**, Portugal, (Francisco SA Carneiro), Communications changed to: D-ATIS 124.305 MHz; PORTO Approach 121.105 MHz; PORTO Tower 118.005 MHz; PORTO Delivery 118.930.
- Porto Santo**, Portugal, Communications changed to: MADEIRA Approach 119.605 MHz; PORTO SANTO Tower 120.055 MHz.
(SID/STARs) Due to replacement of MSSR Porto Santo Radar Station all SID/STARs suspended. Refer also to latest NOTAMs.
- Rochefort**, France, (Charente-Maritime), Airport name changed to Charente-Maritime.
- Rome**, Italy, (Ciampino), Construction works on Apron 100, Apron 200, TWYs SB and A. Refer to temp pages 20-8/20-8A and latest NOTAMs.
SIDs RWY 15 suspended. Temporary SIDs RWY 15 established on trial basis. Refer to temp charts and latest NOTAMs.
- Rome**, Italy, (Fiumicino), For construction works information (based on SUP 11-18) refer to 10-8 and latest NOTAMs.
- Ronneby**, Sweden, (Ronneby AB), RONNEBY Ground frequency temporary changed from 121.855 to 121.850 on charts (10-9) thru (18-2). RONNEBY Precision (PAR) frequency temporary changed from 118.005 to 118.0 (18-1) and (18-2).

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- Rotterdam**, Netherlands, Construction works on Rwy (based on SUP 008-18). Refer to temporary 10-8 and latest NOTAMS.
- Rouen/Vallee De Seine**, France, Communications changed to: ATIS 120.730 MHz; STAP outside ATS hr 120.730 MHz.
- Salon**, France, (Salon AB), Airport and location name changed to Salon de Provence.
- Sandefjord**, Norway, (Torp), (10-9) Construction works on manoeuvring area with temporary closure of TWY, refer also to latest NOTAMS. Working period will take place mostly outside the airport opening hours. Southern part of TWYY will be used as a temporary storage area. (12-1/12-2) RNAV (GNSS) Rwy 18 and RWY 36 LPV minimums are suspended.
- Santander**, Spain, (Seve Ballesteros-Santander), (10-2D) Due to temporary unavailability of NEA VORDME STAR EMANU 1S suspended. Refer also to latest NOTAMS.
- Satenas**, Sweden, (Satenas AB), (11-1) ILS or LOC Rwy 19, (18-1) PAR Rwy 01 & (18-2) PAR Rwy 19 suspended due to Rwy 01/19 closure. (16-1) NDB Rwy 01 & (16-2) NDB Rwy 19 can be used for a visually circle-to-land to Rwy 11/29.
- Scatsta**, U.K., (10-1R) Trans alt chgd to 3000'.
- Seinajoki**, Finland, RNAV (GNSS) Rwy 32 (12-2) Waypoint ULRAB to read as ULRAT.
- Shannon**, Ireland, (10-9) Construction works of additional pavement and overlay to existing pavement associated with a new hangar. Temporary closure of TWY D2 during working hours. Working hours will generally be 1700-0500 LT. Refer also to latest NOTAMS.
- Shawbury**, U.K., (Shawbury AB), (18-2) PAR Rwy 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 Rwy 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 Rwy 36, DA(H) CAT D increased to 467' (230').
- Shoreham**, U.K., ATIS frequency 130.975 MHz changed to 130.980 MHz. Tower frequency 125.4 MHz changed to 125.405 MHz.
- Sion**, Switzerland, Works on RWY 07/25. Refer to temp chart 10-8 and latest NOTAMS.
- Southend**, U.K., Approach frequency changed from 130.775 to 130.780.
- St Yan**, France, (10-1R) Several sectors revised.
- Stavanger**, Norway, (Sola), (10-9) Twy F2 north of RWY 11/29 and apron 1 east of RWY 18/36 closed.
- Stockholm**, Sweden, (Bromma), (26-2) NDB DME Rwy 30 and (26-3) 2 NDB Rwy 30: Due to 4 temporary cranes minima raised (based on SUP 13-18). DA/MDA(H) raised to 630' (588'), CAT C minima with ALS raised to RVR 2300m and ALS out raised to RVR 2400m. Circling CAT B MDA(H) raised to 680' (633').
- Stockholm**, Sweden, (Skavsta), (30-9) PAPI-L Rwy 16 is out of service.
- Stuttgart**, Germany, Construction works on airport (based on SUP 004-18). Refer to temporary chart 10-8 and latest NOTAMS.
- Sylt**, Germany, (10-9) SFL rwy 14 available.
- Tampere**, Finland, (Pirkkala), Construction works phase 4 (based on SUP 47-18). Refer to temp chart (10-8) and latest notams.
- Toulouse**, France, (Blagnac), Departing ACFT not having compatible radiocommunication equipment in 8.33 kHz spacing contact BLAGNAC Ground on 121.9 MHz. Arriving ACFT not having compatible radiocommunication equipment in 8.33 kHz spacing contact TOULOUSE Information on 121.250 MHz.
- Toulouse**, France, (Francazal), ACFT not having compatible radiocommunication equipment in 8.33 kHz spacing contact TOULOUSE Information on 121.250 MHz. RWYs 11 and 29 PAPI-L (3.00°) installed.
- Umea**, Sweden, (11-1) ILS or LOC RWY 14 and (13-1) VOR RWY 14: Due to temporary crane minima for LOC (GS out) with D2.5 NU DA(H) raised to 470' (446'), RVR with ALS 1400m and CAT C&D ALS out CMV 2100m. VOR with D3.0 DA(H) raised to 470' (446'), RVR with ALS 1400m and CAT C&D ALS out CMV 2100m.
- 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.
- Valencia**, Spain, (Manises), Construction works on airport (based on SUP 113-18). Refer to temp pages 10-8/10-8A and 10-8B/10-8C and latest NOTAMS.
- Venice**, Italy, (Tessera), For construction works on RWY 04L/22R (based on SUP 008-18 EFF 1 SEP 18), refer to temporary charts 10-8/10-8A and 10-8B and latest NOTAMS. During phase 1 and 2 (11-1/11-1A) ILS Z or LOC Z RWY 04R, CAT II/III ILS Z RWY 04R and (11-2/11-2A) ILS Y or LOC Y RWY 04R, CAT II/III ILS Y RWY 04R CAT I and CAT II minima suspended. During phase 1 thru 3 (10-9B) HOT SPOTS, (10-9C/10-9D) Code F CHARTS, (12-1) RNAV (GNSS) RWY 04L, (12-4) RNAV (GNSS) RWY 22R, (13-1) VOR RWY 04L and (13-3) VOR RWY 22R suspended.
- Verona**, Italy, (Villafranca), For construction works information (based on SUP 009-18) refer to 10-8 and latest NOTAMS.
- Vigo**, Spain, Works on apron and TWY C1 (based on SUP 12-18, with eff 13 SEP 18 based on SUP 111-18). During Phase 4: TWY C1 closed. Caution is recommended due to the presence of personnel and machinery.
- Vila Real**, Portugal, ALS Rwy 02 out of service (based on SUP 13-18). LISBOA Control frequency changed to 132.305.
- Villacoublay**, France, (Velizy AB), IATA code is VIY.
- Vitoria**, Spain, For construction works on apron area (based on SUP 141/17, eff 21 JUN 2018 based on SUP 76/18) refer to temporary chart 10-8B and latest NOTAMS.

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(SID/STAR) Due to temporary unavailability of NEA VORDME the following procedures are suspended:

NEA 1E & 2F (10-2A)

NEA 1P (10-2D)

NEA 1K (10-2E)

NEA 1D (10-3B)

Refer also to latest NOTAMs.

Warton, U.K., (11-1) TACAN ILS DME Rwy 25, (11-2) NDB ILS DME Rwy 25, (11-3) HI- TACAN ILS DME Rwy 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.

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

Yeovilton, U.K., Note added: CAUTION: The magnetic heading of rwys 09/27 are not accurately reflected by their current physical designation on the runway.

Zadar, Croatia, (Zemunik), For construction works on airport area (based on SUP 011/18) refer to temp chart 10-8 and latest NOTAMs.

Zaragoza, Spain, (18-1) PAR and SRE approach to all RWYs not available (based on SUP 114-17).

ABN out of service. (Based on SUP 133-18)

Zurich, Switzerland, Construction area between TWY B and TWY L (based on SUP 008-18). Work in progress north of TWY L. TWY L limited to ACFT Code A, B and C with MAX wingspan 118' (36m) between TWY L9 and TWY R. Taxiing on temporary marked center line around construction area. RWY 28 exit TWY L9 limited to code A, B and C ACFT with MAX wingspan 118' (36m). Holding bay 10 closed.

Start of construction work will be published by NOTAM. For further information refer also to latest NOTAMs.

Construction area south of RWY 10/28 (based on SUP 017-18). Due to construction work in progress TWY E between TWY B and TWY E6 limited to ACFT Code E with MAX wingspan 213' (65m) and TWY E6 limited to ACFT Code C with MAX wingspan 118' (36m). Code F ACFT with crossing RWY 10/28 will be guided by marshaller via TWY F.

Start of construction work will be published by NOTAM. For further information refer also to latest NOTAMs.

Zweibrücken, Germany, (10-9) Airfield use limited to acft up to 14 t. Low visibility procedure to be withdrawn.