

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.

NORTH MACEDONIA

Country name chgd from MACEDONIA, former YUGOSLAV REPUBLIC OF to NORTH MACEDONIA.

SWEDEN

CDR 2 status replaced by CDR 1 status on ATS routes. **ESSA 10-1.**

UKRAINE

CDR 2 status is withdrawn from all ATS routes within Kyiv FIR/UIR and Lviv FIR. **E LO-10, E LO-11.**

BELARUS

ATS ROUTES changed:

- N616, IRFIL CRP estbld at N5248.6 E02421.8; GINSO - IRFIL - POTAP, 16/16NM. **E LO-10.**
- N623, LUHEZ NCRP estbld at N5312.6 E02929.4; GOGER - LUHEZ - ARZIM, 47/18NM. **E LO-10.**
- N743, DAHRU NCRP estbld at N5450.0 E02851.6; AGNEF - DAHRU - LEGSI, 21/26NM. **E LO-10, E LO-9.**
- T174, HOFTI NCRP estbld at N5334.3 E02549.4; BESAK - HOFTI - OSMUS, 35/37NM. **E LO-10.**
- T344, LUHEZ NCRP estbld at N5312.6 E02929.4; OGARA - LUHEZ - KAWAD, 88/25NM. **E LO-10.**
- T397 estbld; HOFTI NCRP at N5334.3 E02549.4 - KIZIR CRP, 064°, 32NM, MEA FL100, MAA FL280, one-way E-bound, CDR 1. **E LO-10.**
- T398 estbld; DAHRU NCRP at N5450.0 E02851.6 - PENAL CRP, 203°, 22NM, MEA FL100, MAA FL280, one-way SW-bound. **E LO-10.**
- T509, HOFTI NCRP estbld at N5334.3 E02549.4; KOLAK - HOFTI - Hrodna VORDME (GRD), 67/63NM, MEAs FL290/FL100. **E LO-10.**
- Z367, IRFIL NCRP estbld at N5248.6 E02421.8; SURUG - IRFIL - SOGBI, 16/90NM. **E LO-10.**

BELGIUM

ATS ROUTES changed:

- L607, Mackel NDB (MAK) to [NIK40], MEA 5000'. **EBBR 10-1.**
- M617, [MAS12] replaced by ROFAC NCRP at N5053.5 E00541.3. **EBBR 10-1.**
- M624, [NIK08] replaced by TRARE NCRP at N5117.2 E00409.2. **EBBR 10-1.**
- Y868, [MAS15] replaced by OGBOL NCRP at N5049.3 E00539.3. **EBBR 10-1.**

CZECHIA

ATS ROUTES changed:

- L156, LEDVA (N4843.7 E01647.4) - GINAT, 041°; Holesov NDB (HLV) replaced by UPLAV NCRP at same position. **E LO-11.**
- L617, BILNA (N4923.6 E01826.8) to REGLI, MAA FL90. **E LO-11.**
- L726, Holesov NDB (HLV) replaced by UPLAV NCRP at same position; Vlasim VORDME (VLM) - ELMEK, 282°/103° (N49 E014). **E LO-11.**
- L984, Rakovnik NDB (RAK) replaced by EROKA NCRP at same position (N50 E013). **E LO-11.**
- M984, Holesov NDB (HLV) replaced by UPLAV NCRP at same position (N49 E017). **E LO-11.**
- M984, TUSIN (N4950.8 E01834.4) to MIKOV, MAA FL90. **E LO-11.**
- P10, Trebova NDB (TBV) replaced by TIBLA NCRP at same position; Holesov NDB (HLV) replaced by UPLAV NCRP at same position; UPLAV - MAVOR, 174°/354° (N49 E016). **E LO-11.**
- P27, Holesov NDB (HLV) replaced by UPLAV NCRP at same position (N49 E017). **E LO-11.**
- P31, MAREM (N5042.9 E01337.7) to RUDAP, MAA FL90. **E LO-11.**
- P733, Rakovnik NDB (RAK) replaced by EROKA NCRP at same position (N50 E013). **E LO-11.**
- P861, Rakovnik NDB (RAK) replaced by EROKA NCRP at same position (N50 E013). **E LO-11.**
- T78, Hermsdorf VORDME (HDO) - LAGAR, MAA FL90. **E LO-11.**
- T108, Rakovnik NDB (RAK) replaced by EROKA NCRP at same position (N50 E013). **E LO-11.**
- T709, Trebova NDB (TBV) replaced by TIBLA NCRP at same position (N49 E016). **E LO-11.**
- Z37, VEMUT (N4948.6 E 01227.7) to ABUDO, withdrawn. **E LO-11.**
- Z121, GINAT (N4856.3 E01706.9) to NETIR, MAA FL90. **E LO-11.**
- Z401, Rakovnik NDB (RAK) replaced by EROKA NCRP at same position (N50 E013). **E LO-11.**
- HOLESOV NDB (HLV) decmsnd (N49 E017). **E LO-11.**
- RAKOVNIK NDB (RAK) decmsnd (N50 E013). **E LO-11.**
- TREBOVA NDB (TBV) decmsnd (N49 E016). **E LO-11.**

FRANCE

ATS ROUTES changed:

- A6, [TMA60] (N4625.0 E00458.1) renamed UBEXU. **LFLL 10-1.**
- A25, Sauveterre De Guyenne VOR (SAU) - ROLOL, MEA FL70 (N44 E000). **E LO-5.**
- A25, [TMA42] (N4417.3 E00021.5) renamed ROLOL. **E LO-5, LFBO 10-1.**
- A29, ASPET (N4300.0 E00058.8) - Agen VORDME (AGN), MEA FL100. **E LO-5, LFBO 10-1.**

EUROPE

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. **LFLL 10-1.**

G5, [MEN08] (N4432.4 E00301.0) renamed REMDU. **E LO-5.**

G36, MASAM (N4328.1 E00215.1) to ORBIL, MEA FL70. **E LO-5, LFBO 10-1.**

G39, Montpellier Mediterranee VORDME (FJR) to MEDAP, MEA FL80; MEDAP - Gaillac VOR (GAI), MEA FL70; SECHE - Sauveterre De Guyenne VOR (SAU), MEA FL70 (N43 E003). **E LO-5, LFBO 10-1.**

G393, AFRIC (N4346.5 E00252.2) - FINOT, MOCA 6000T, MEA FL80; AFRIC to Toulouse Blagnac VORDME (TOU), CDR status withdrawn. **E LO-5, LFBO 10-1.**

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

M622, Nice Cote D'Azur VORDME (NIZ) to MERLU, CDR status withdrawn. (N43 E007). **E LO-5.**

N869 redesignated Z869, ROMAK (N4437.8 E00229.3) to NARAK. **E LO-5.**

N871, SOPLO (N4543.7 E00544.8) - OMASI, CDR status withdrawn. **LSGG 10-1, E LO-4.**

T19, [SAU63] (N4502.4 E00114.5) renamed LASVO; [19SAU] renamed RUBGI. **E LO-5.**

T19, SOMTI (N4527.0 E00256.0) to LASVO, CDR status withdrawn. **E LO-5, E LO-4.**

V12, [GAI13] (N4409.1 E00157.9) renamed BIBDO. **E LO-5.**

V13, Thiers VORDME (TIS) to LARON, CDR status withdrawn (N45 E003). **E LO-4.**

V15, GERVA (N4603.5 E00252.5) - EVBIS, MEA FL70; GERVA to Limoges VORDME (LMG), CDR status withdrawn. **E LO-4.**

V21, [GAI15] (N4408.5 E00202.3) renamed TOBVO; [GAI81] renamed LOBMO. **E LO-5.**

Y22, VEDIK (N4351.4 E00549.4) - AMFOU, CDR status withdrawn. **E LO-5.**

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. **LFBO 10-1.**

L'Aigle VOR (LGL) frequency chgd to 112.7. **LFPO 10-1.**

LF(P)-17 estbld; GND-3300'. (N43 E005). **E LO-5.**

LF(ZIT)-CRANOU estbld; GND-2500'. (N48 W004). **E LO-4.**

LAIGLE VOR (LGL) chgd to VORDME. **LFPO 10-1.**

NANCY NDB (NE) decmsnd (N48 E006). **E LO-4.**

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

SAINTE LEOCADIE Lctr (SAL) 418 cmsnd at N4226.8 E00200.8. **LEBL 10-1.**

GREECE

ATS ROUTES changed:

N/UN137, AGAPU NCRP estbld at N3825.4 E02419.6; NEVRA - AGAPU - Skopelos VORDME (SKP), 19/56NM, MEA FL130, chgd to two-way, CDR 1, 2. **LGAV 10-1.**

HUNGARY

BEKES NDB (BKS) decmsnd (N46 E021). **E LO-12.**

GYOR NDB (GYR) decmsnd (N47 E017). **E LO-12.**

PUSZTASZABOLCS NDB (PTB) decmsnd (N47 E018). **E LO-12.**

SAGVAR NDB (SVR) decmsnd (N46 E018). **E LO-12.**

IRELAND

RINUS coords chg to N5338.7 W00739.7. **E LO-2.**

ITALY

ATS ROUTES changed:

A48, URENA (N4116.6 E01805.8) renamed VURKE; Brindisi VORTAC (BRD) replaced by KAPPO CRP at same position; CRAYE to KAPPO, MEA FL100. **E LO-14.**

L5, Ostia VORDME (OST) to TINTO, MEA FL100 (N41 E012). **LIRF 10-1.**

L612, Brindisi VORTAC (BRD) replaced by KAPPO CRP at same position; KAPPO to PISIS, MEA FL100; RUPAX to LANLI, MEA FL100 (N40 E018). **E LO-13, E LO-14.**

L862, Brindisi VORTAC (BRD) replaced by KAPPO CRP at same position; ENOXA - KAPPO, MEA FL100. (N40 E018). **E LO-14.**

L865, Ancona VORDME (ANC) to GIKIN, MEA FL100. (N43 E013). **E LO-13.**

L995, AKAMO (N4111.5 E01439.2) renamed IPKAM; Brindisi VORTAC (BRD) replaced by KAPPO CRP at same position; DAMIC CRP estbld at N4027.6 E01816.6; KAPPO - DAMIC - ORSOM, 15/10NM; LUXIL to TIGRA, MEA FL100. **E LO-14.**

M126, Ostia VORDME (OST) to QUENN, MEA FL100 (N41 E012). **LIRF 10-1.**

M603, Brindisi VORTAC (BRD) replaced by KAPPO CRP at same position; KAPPO to GOKEL, MEA FL100 (N40 E018). **E LO-14.**

M730, ASDOR (N4347.1 E01224.0) to TORPO, MEA FL100. **E LO-13.**

M736, Ancona VORDME (ANC) to Pescara VORDME (PES), MEA FL100 (N43 E013). **E LO-13.**

M738, ESINO (N4123.1 E01147.7) - TURMO, chgd to two-way, 175°/355°, MEA FL100. **ROME 10-1, E LO-14.**

M859, TUTIV (N4542.5 E01349.6) should be CRP. **E LO-12.**

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

N850, LESAN (N4446.5 E00848.7) renamed KEMMI. **LIMC 10-1, E LO-5, E LO-13.**

P92, Brindisi VORTAC (BRD) replaced by KAPPO CRP at same position; Bari VORDME (BAR) to ABADI, MEA FL100. (N40 E018). **E LO-14.**

EUROPE

Q160, Ostia VORDME (OST) to NEMIT, MEA FL100 (N41 E012). **LIRF 10-1.**

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

Q712, LESAN (N4446.5 E00848.7) renamed KEMMI. **LIMC 10-1, E LO-5, E LO-13.**

T292, Brindisi VORTAC (BRD) replaced by KAPPO CRP at same position. (N40 E018). **E LO-14.**

Z122, BASOG (N4507.0 E01229.6) - LABIN, chgd to two-way, 107°/287°, MEA FL100. **E LO-12, E LO-13.**

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

Z905, AKAMO (N4111.5 E01439.2) renamed IPKAM. **E LO-14.**

Z910, AKAMO (N4111.5 E01439.2) renamed IPKAM. **E LO-14.**

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

ANCONA NDB (ANC) decmsnd (N43 E013). **E LO-13.**

CAMPAGNANO NDB (CMP) decmsnd (N42 E012). **LIRF 10-1.**

Ciampino NDB (CIA) decmsnd. **LIRF 10-1.**

OTGIG HOLDING estbld (N4500.0 E01207.1), inbound track 017°, LEFT turns, MHA FL90. **E LO-13.**

NETHERLANDS

ATS ROUTES changed:

T602 estbld; Eelde VORDME (EEL) CRP - ROLDU NCRP at N5253.4 E00611.9, 225°, 24NM, MEA FL70; ROLDU - EKNON CRP at N5246.3 E00601.8, 221°, 9NM, MEA FL60; Eelde VORDME to EKNON, one-way SW-bound. **EHAM 10-1, E LO-10.**

T603 estbld; Rekken DME (RKN) CRP - BADEX CRP at N5226.5 E00620.8, 320°, 24NM, MEA FL60, one-way NW-bound. **EHAM 10-1, E LO-10, E LO-3.**

T604 estbld; HELEN CRP (N5114.1 E00352.2) - ALINA NCRP at N5126.7 E00401.4, 025°, 14NM; ALINA - LIKDO NCRP at N5131.1 E00432.4, 077°, 20NM; HELEN to LIKDO, MEA FL60; LIKDO - TUPAK NCRP at N5141.4 E00455.7, 054°, 18NM; TUPAK - APVUV NCRP at N5151.3 E00515.9, 051°, 16NM; APVUV - NEPTU NCRP at N5154.3 E00522.8, 054°, 5NM; NEPTU - IPMUR NCRP at N5157.6 E00541.8, 073°, 12NM; LIKDO to IPMUR, MEA FL70; IPMUR - BRIAR NCRP at N5203.7 E00546.3, 024°, 7NM; BRIAR - TENLI NCRP, 056°, 21NM; IPMUR to TENLI, MEA FL60; HELEN to TENLI, one-way NE-bound; TENLI - BADEX CRP at N5226.5 E00620.8, 016°, 12NM, MEA FL60, one-way NE-bound, cruising levels NON-standard, EVEN levels NE-bound. **EHAM 10-1, EBBR 10-1, E LO-10, E LO-3.**

T606 estbld; LAMSO CRP at N5244.0 E00259.7 - MONIL NCRP, 087°, 28NM; MONIL - Spijkerboor VORDME (SPY) CRP, 108°, 43NM; Spijkerboor VORDME - PAPOX NCRP at N5240.8 E00527.1, 069°, 23NM; LAMSO to PAPOX, MEA FL140; PAPOX - VAPEX NCRP at N5253.5 E00554.3, 051°, 21NM, MEA FL60, MAA FL190; LAMSO to VAPEX, one-way E-bound; VAPEX - EKNON CRP at N5246.3 E00601.8, 146°, 9NM, MEA FL60, MAA FL190, one-way SE-bound, cruising levels NON-standard, EVEN levels SE-bound. **EHAM 10-1, E LO-2, E LO-10, E LO-3.**

T607 estbld; MOLIX CRP (N5249.3 E00304.1) - MONIL NCRP, 099°, 25NM, MEA FL140, one-way E-bound. **EHAM 10-1, E LO-2.**

LELYSTAD CTR estbld, GND-2500' (N52 E005).

EHAM 10-1, E LO-2, E LO-10, E LO-3.

LELYSTAD TMA estbld, 1500'-FL65 (N52 E005).

EHAM 10-1, E LO-2, E LO-10, E LO-3.

REKKEN VORDME (RKN) should read Rekken DME (RKN). **E LO-3.**

NORWAY

ATS ROUTES changed:

M185, RUMOG (N5812.6 E00531.6) - ATNAK, withdrawn. **E LO-1, E LO-7, E LO-10.**

P615, VIPPA NCRP estbld at N5856.6 E01013.7; ARTOR - VIPPA - Torp VORDME (TOR), 37/14NM. **E LO-1, E LO-7, E LO-9.**

Z125, RIBBE NCRP estbld at N6122.5 E01129.0; NUVSA - RIBBE - GIGNI, 18/38NM. **E LO-1, E LO-7.**

NOTLO NCRP estbld at N5941.3 E00838.6. **E LO-1, E LO-7.**

ROTOT NCRP estbld at N6713.1 E01346.7. **E LO-7.**

TUSES NCRP estbld at N7017.7 E 02239.7. **E LO-7.**

POLAND

KONZI NCRP estbld at N5034.0 E02037.1. **E LO-11.**
LUKAWIEC VORDME (RSW) 110.6 cmsnd at N5006.5 E02208.1. **E LO-11.**

Poznan VORDME (LAW) decmsnd. **E LO-10, E LO-11.**

PORTUGAL

AROUCA DME (DAR) CH96X (114.90) cmsnd at N4056.0 W00813.5. **E LO-6.**

MARAO DME (DMR) CH93X (114.60) cmsnd at N4114.9 W00753.2. **E LO-6.**

MURO DME (DMU) CH85X (113.80) cmsnd at N4148.8 W00811.7. **E LO-5, E LO-6.**

ROMANIA

ATS ROUTES changed:

T139 extended; PANZU NCRP at N4402.2 E02408.2 - Craiova VORDME (CRV) NCRP, 326°/(146°), 19NM, MEA FL60, one-way NW-bound; Craiova VORDME - TITEK, 300°/120°, 18NM, MEA FL60. **E LO-13.**

T226, PANZU NCRP estbld at N4402.2 E02408.2 and BACAM NCRP at N4428.1 E02328.4; NAVOD - PANZU - ELDET - BACAM - SODGO, 25/22/16/36NM, MEA FL60. **E LO-12, E LO-13.**

EUROPE

T285, VAMON (N4424.0 E02440.8) - PEMOK, MEA FL50; TITEK replaced by BACAM NCRP at N4428.1 E02328.4; Craiova VORDME (CRV) - BACAM, 290°, 21NM, one-way NW-bound.
E LO-13.

T899, PEMOK (N4421.9 E02420.9) - TOSVI, MEA FL50. **E LO-13.**

RUSSIA

DINAL (N5416.8 E03648.2) replaced by POSTO NCRP at same position. **E LO-9.**

SLOVAKIA

ATS ROUTES changed:

L617, AMRAX (N4805.5 E01922.0) - Sliac VORDME (SLC), withdrawn. **E LO-12.**

M748, BERVA (N4837.1 E01732.5) to ODNEM, MOCA 5500T. **E LO-11, E LO-12.**

P27, MALBE (N4849.4 E02222.5) - UDREL, MOCA 8500T; MALBE to MOCON, CDR 1; MOCON to Zilina NDB (ZLA), CDR status withdrawn.
E LO-11.

R53, EPEDA (N4852.4 E01957.4) to LUPID, CDR 1.
E LO-11.

R232, Kosice VORDME (KSC) to LOLKA, CDR 1 (N48 E021). **E LO-11.**

Y129, TADUB (N4854.8 E02118.5) - PODAN, MOCA 8500T, CDR 1. **E LO-11.**

Y301, LITKU (N4813.8 E01935.9) to KREMI, MEA FL140, CDR status withdrawn. **E LO-11, E LO-12.**

SPAIN

ATS ROUTES changed:

A27, Bagur VORDME (BGR) - KANIG, distance should read 34NM (N42 E003). **E LO-6.**

B28, VIBAS (N3723.5 W00337.9) - BAZAS, MEA FL90. **E LO-6, LEMG 10-1.**

B190, CEGAM (N4259.0 W00214.2) - BAGAS, MEA FL70. **E LO-5.**

G23, RONKO (N4229.8 W00101.8) to TURPU, MEA FL70. **E LO-5, E LO-6.**

G25, AGENA to LUMAS, 077° (N41 E003). **E LO-6.**

J152, PODUX (N4254.1 W00152.9) - BAGAS, MEA FL90. **E LO-5/3D.**

R10, URUNA (N4321.3 W00144.4) to DITOP, MEA FL70. **E LO-5/3D.**

R10, Vejer De La Frontera VORDME (VJF) - LINTO, MEA FL70. (N36 W005). **E LO-6.**

UL150, Castejon VORDME (CJN) - Robledillo VORDME (RBO), cruising levels chgd to standard. **E LO-6.**

UM30, PIMUR (N3717.5 W00631.1) to PARKA, CDR 2. **E LO-6, LEMG 10-1.**

UM985, MAROT - LUMAS, 077° (N41 E003). **E LO-6.**

UN855, Bagur VORDME (BGR) - KANIG, distance should read 34NM (N42 E003). **E LO-6.**

UN858, OSLEP (N3709.9 W00711.5) to PARKA, CDR 2. **E LO-6.**

UN867, NENEM (N4403.1 W00309.0) - MAPAX NCRP, 169°/349°, 23NM, MEA FL150; Robledillo VORDME (RBO) NCRP - OSTIX NCRP - GASMO NCRP, 011°, 40/14NM, MEA FL150, one-way N-bound; Villatobas VORDME (VTB) - IDEVU NCRP, 167°, 13NM; IDEVU - ANZAN NCRP, 168°, 36NM; Villatobas VORDME to ANZAN, MEA FL150, one-way S-bound. **E LO-5/3AC, E LO-6/8B.**

UN870, RAKOD (N3946.8 W00637.7) to DIPOL, CDR 2. **LEMD 10-1, E LO-6.**

UN975, PALIO (N4015.7 W00302.9) to Toledo VORDME (TLD), chg to two-way, 255°/075°. **LEMD 10-1, E LO-6.**

UT410, Sabadell VORDME (SLL) - VIBOK, cruising levels chgd to NON-standard, ODD levels W-bound (N41 E001). **E LO-6.**

SWEDEN

ATS ROUTES changed:

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.**

M996, APZER NCRP estbld at N5849.7 E01734.6, Trosa VORDME (TRS) - APZER - DISRU, 7/15NM. **ESSA 10-1.**

SWITZERLAND

ATS ROUTES changed:

G5, [WIL28] (N4652.5 E00723.3) withdrawn; Willisau VORDME (WIL) - Fribourg VORDME (FRI), 228°/047°, 37NM; [SPR12] and [SPR06] withdrawn; Fribourg VORDME - REVLI - St Prex VORDME (SPR), 238°/058°, 23/14NM; Geneva VORDME (GVA) - Passeiry VORDME (PAS), 224°/043°. **LSGG 10-1, E LO-4.**

Y56, [FRI19] (N4634.2 E00652.6) withdrawn; Fribourg VORDME (FRI) - SALEV, 64NM. **LSGG 10-1, E LO-4.**

Z62, DEREM (N4621.4 E00610.6) to TINAM, 087°; TINAM - MOLUS, 049°. **LSGG 10-1, E LO-4.**

TURKEY

ATS ROUTES (undesigned) changed:

BERGO (N3859.9 E02708.0) to OKESA, withdrawn. **E LO-14.**

KADIFEKALE NDB (KDL) decmsnd. **E LO-14.**

U.K.

ATS ROUTES changed:

Goodwood VOR (GWC) removed from all ATS routes. **EGLL 10-1.**

L8 extended, Honiley VORDME (HON) - NANUM NCRP, 177°, 20NM, MEA FL90; NANUM - BUGUP NCRP at N5152.6 W00137.0, 178°, 9NM, MEA FL110; Honiley VORMDE to BUGUP, one-way S-bound. **EGCC 10-1.**

L89 estbld, GIBSO NCRP (N5045.0 W00231.1) - BEGTO NCRP at N5045.8 W00114.1, 089°, 49NM, MEA FL210; BEGTO - AVANT NCRP, 073°, 12NM, MEA FL90; GIBSO to AVANT, one-way E-bound. **EGGL 10-1.**

EUROPE

- L151, UMLUX NCRP estbld at N5222.6 W00200.3; VIDOK - UMLUX - PEPUL, 2/8NM. **EGCC 10-1, E LO-2, E LO-3.**
- L179, UGBET NCRP estbld at N5137.0 W00007.1, Lambourne VORDME (LAM) - UGBET - Compton VORDME (CPT), 10/42NM. **EGLL 10-1, E LO-3.**
- L180, DIKAS (N5146.6 W00315.6) - RILES, realigned, DIKAS - DOBEM NCRP, 067°/247°, 14NM, MEA FL150; DOBEM - FIGZI NCRP at N5157.6 W00236.2, 067°, 13NM, MEA FL130, one-way E-bound. **EGCC 10-1, E LO-3.**
- M140 redesignated L18, Midhurst VORDME (MID) to VABIK. (N51 W000). **EGLL 10-1, E LO-3.**
- N20, EVEXU (N5041.3 W00034.7) - Goodwood VORDME (GWC) withdrawn. **EGLL 10-1.**
- N90, EXJET NCRP estbld at N5053.3 W00305.5, LAMAT - EXJET - NOTRO, 25/27NM. **E LO-3.**
- N91 estbld, NEZZA NCRP at N5123.9 W00319.3 - PERUP NCRP, 038°, 24NM; PERUP - FIGZI NCRP at N5157.6 W00236.2, 041°, 20NM; NEZZA to FIGZI, MEA FL130, one-way NE-bound. **EGCC 10-1, E LO-3.**
- 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 FL80; DUCNO - OKTAD NCRP, 224°, 13NM; OKTAD - ITJON NCRP at N5128.5 W00259.1 - EXMOR NCRP, 220°, 26/23NM, DUCNO to EXMOR, MEA FL140; UMLUX to EXMOR, one-way SW-bound. **EGCC 10-1, E LO-2, E LO-3.**
- 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. **EGCC 10-1, E LO-2, E LO-3.**
- N859, EVEXU (N5041.3 W00034.7) - Goodwood VORDME (GWC), chgd to two-way. **EGLL 10-1.**
- N862, ITJON NCRP estbld at N5128.5 W00259.1; ERNOK - ITJON - LAMAT, 13/11NM; IPZOL NCRP estbld at N5054.5 W00313.7; LAMAT - IPZOL - KOXOD, 25/13NM. **E LO-3.**
- N864, NEZZA NCRP estbld at N5123.9 W00319.3, EXMOR - NEZZA - NUMPO, 13/13NM. **E LO-3.** Ockham VOR (OCK) removed from all ATS routes. **EGLL 10-1.**
- P2, HOFIK NCRP estbld at N5126.1 W00200.0, OKESI - HOFIK - BEDEK, 2/17NM. **E LO-3.**
- P4 estbld, OKTAD NCRP (N5149.1 W00232.8) - DIKAS NCRP, 266°, 27NM, MEA FL140, one-way W-bound. **E LO-3.**
- Southampton VOR (SAM) removed from all ATS routes. **EGLL 10-1.**
- Y70, ABTOS NCRP estbld at N5314.8 E00025.6, SUPEL - ABTOS - OTBET, 6/15NM. **EGCC 10-1.**
- Y91 redesignated L149, DAWLY (N5034.5 W00327.8) to BIGNO, CDR 1, 3. **E LO-3.**
- 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. **EGCC 10-1, E LO-2, E LO-3.**
- Y322 estbld, PEPUL NCRP (N5216.1 W00153.2) - BUGUP NCRP at N5152.6 W00137.0, 158°, 26NM, MEA FL150, one-way- S-bound. **EGCC 10-1.**

- GRID MORA (N51-N52/W002-W003) chgd to 3700'. **EGCC 10-1.**
- GRID MORA (N52-N53/W002-W003) chgd to 3700'. **EGCC 10-1.**
- NORTH SEA REDUCED COORDINATION AREA Class 'C' estbld; FL195-FL660. (N55 E002). **EGCC 10-1.**

UKRAINE

ATS ROUTES changed:

- L32, TALOB (N5030.4 E03402.5) - KIBER, CDR 1. **E LO-10.**
- L621, ABSON (N4937.8 E02345.4) - GOTIX, CDR 1. **E LO-11.**
- M983 estbld; TADUN CRP (N5154.1 E02441.3) - KOVUS CRP, 183°/004°, 107NM, MEA 10000, CDR 1. **E LO-10.**
- N616, TADUN (N5154.1 E02441.3) - ORTUL, MEA 10000', CDR 1. **E LO-10.**
- N623, OLKOM (N5038.6 E03406.9) - LOVIK, CDR 1. **E LO-10.**
- P26, AMIRI (N5155.2 E02553.2) to KOVUS, CDR 1; KOVUS - Lviv VORDME (LIV), CDR status withdrawn; Lviv VORDME - KOKUP, CDR 1. **E LO-10.**
- P727, DIBON (N5153.6 E02607.3) to GIDNO, CDR status withdrawn; LURIK - BUKOV, CDR 1. **E LO-10.**

TERMINAL CHARTS

GENERAL

FINLAND

STARs and SIDs are also minimum noise routings.

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/HUDDL: 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.

EUROPE

Location/airport name changed from Buchel to Buechel, Buckeburg to Bueckebug, Norvenich to Noervenich.

Location/airport name changed from Monchengladbach to Moenchengladbach and Donauwoerth to Donauwoerth.

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

ITALY

Noise abatement procedure for initial climb to be determined by operator in accordance with ICAO Doc-8168. Disregard respective initial climb info on Italian ABPs and 10-4s; ATC pages 'State Rules and Procedures - Italy' will be updated with Rev 9 Aug.

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

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.

Alicante, Spain, (Alicante-Elche), For construction works on Airport refer to 10-8/10-8A chart and latest NOTAMS (based on SUP 101-19).

Allendorf/Eder, Germany, RNAV (GPS) Rwy 29 (12-1) minimums changed (based on SUP 016-19). Refer also to latest NOTAMS.

The Baro-VNAV procedure for RWY 29 using LNAV/VNAV minimum has been canceled. When using a remote QNH, minimums changed as follows:

LPV: CAT A: DA(H) 1698' (575'), RVR 1500m; CAT B: DA(H) 1708' (585), RVR 1500m; CAT C: DA(H) 1718' (595), RVR 2400m.

LNAV: CAT A: DA/MDA(H) 1800' (677'), RVR 1500m; CAT B: DA/MDA(H) 1880' (757'), RVR 1500m; CAT C: DA/MDA(H) 1880' (757'), RVR 2400m.

CIRCLING: Max Kts 100: MDA(H) 2120' (956'), VIS 1500m; Max Kts 135: MDA(H) 2250' (1086'), VIS 1600m; Max Kts 180: MDA(H)2590' (1426'), VIS 2400m.

Amsterdam, Netherlands, (Schiphol), CAT II/III ILS Rwy 06 (11-1A) CAT C DA(H) changed to 97' (108') and CAT C RA changed to 108'. CAT D DA(H) changed to 111' (122') and CAT D RA changed to 130'.

Construction works on apron B (based on SUP 001-19). Refer to temp chart 10-8 and latest NOTAMS.

Construction works on apron S (based on SUP 003-19). Refer to temp chart 10-8A and latest NOTAMS.

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

Badajoz, Spain, (Talavera La Real AB), Right wingbar of VASI u/s (based on SUP 45-18, with eff date 28 MAR 19 based on SUP 23-19).

TWY C4 and C6 closed (based on SUP 44-18, with eff date 28 MAR 19 based on SUP 19-19).

Barcelona, Spain, (El Prat), Airport name changed to Josep Tarradellas-El Prat.

Procedures CAT II/III ILS Z RWY 07R (11-7A) and CAT II/III ILS Y RWY 07R (11-8A) not available (based on SUP 18-19).

Bari, Italy, (Palese), For construction works on RWY 07/25 (based on SUP 013-19), refer to temporary chart 10-8/10-8A and latest NOTAMS.

Barth, Germany, RNAV (GPS) Rwy 27 (12-1) minimums changed (based on SUP 016-19). Refer also to latest NOTAMS.

The Baro-VNAV procedure for RWY 27 using LNAV/VNAV minimum has been canceled. When using a remote QNH, minimums changed as follows:

LNAV: CAT AB: DA/MDA(H) 940' (918'), RVR 1500m.

CIRCLING: Max Kts 100: MDA(H) 1070' (1047'), VIS 1500m; Max Kts 135: MDA(H) 1110' (1087'), VIS 1600m.

Basle-Mulhouse, France, Construction works on northern part of Main Apron and stands (based on SUP 101/19). Refer to temp chart 10-8A and latest NOTAMS

Following procedure suspended: (11-4) ILS Y OR LOC Y RWY 33.

Following procedure suspended: (11-5) ILS X OR LOC X RWY 33.

Following procedure suspended: (12-2) RNAV (GNSS) RWY 33.

Following procedure suspended: (19-10) VPT RWY 26.

EUROPE

Following procedures suspended: (11-2) ILS Y OR LOC Y RWY 15; (11-2A) CAT II/III ILS Y RWY 15; (13-2) VOR Y RWY 15.

Following procedures suspended: (19-11) VPT A RWY 33; (19-12) VPT B RWY 33

ILS Z or LOC Z Rwy 15 (11-1), CAT II/III ILS Z Rwy 15 (11-1A), ILS Z or LOC Z Rwy 33 (11-3), VOR Z Rwy 15 (13-1) missed approaches changed. Refer to TEMP CHARTS 11-01, 11-01A, 11-03, 13-01 and latest NOTAMS.

Bautzen, Germany, RNP Rwy 07 (12-1) & RNP Rwy 25 (12-2) minimums changed (based on SUP 016-19). Refer also to latest NOTAMS.

The Baro-VNAV procedures for RWY 07 & 25 using LNAV/VNAV minimums have been canceled. The note, Approach only authorized when local altimeter setting is available, can be disregarded. When using a remote QNH, minimums changed as follows:

LPV Rwy 07: DA(H) 1098' (530'), CAT AB RVR 1500m; CAT C: with ALS RVR 2000m, ALS out RVR 2400m.

LNAV Rwy 07: DA/MDA(H) 1100' (532'), CAT AB RVR 1500m; CAT C: with ALS RVR 2000m, ALS out RVR 2400.

LPV Rwy 25: DA(H) 1060' (530'), CAT AB RVR 1500m; CAT C: with ALS RVR 2000m, ALS out RVR 2400m.

LNAV Rwy 25: DA/MDA(H) 1060' (530'), CAT AB RVR 1500m; CAT C: with ALS RVR 2000m, ALS out RVR 2400.

Bayreuth, Germany, RNAV (GPS) Rwy 06 (12-1) minimums changed (based on SUP 016-19). Refer also to latest NOTAMS.

The Baro-VNAV procedure for RWY 06 using LNAV/VNAV minimum has been canceled. The note, Approach authorized only if EDQD QNH is available, can be disregarded. When using a remote QNH, minimums changed as follows:

LNAV: CAT A: DA/MDA(H) 2140' (553'), RVR 1500m; CAT B: DA/MDA(H) 2160' (573'), RVR 1500m.

CIRCLING: Max Kts 100: MDA(H) 2180' (579'), VIS 1500m; Max Kts 135: MDA(H) 2630' (1029'), VIS 1600m.

Beja, Portugal, (Beja AB), REIL Rwy 01L u/s (based on MIL SUP 010-19).

Belfast, U.K., (Aldergrove), NDB Rwy 25 (16-1) apch proc will not be available.

Bern, Switzerland, (Belp), Simple Touchdown Zone Lights (STZL) installed.

STZL shall not to be confused with TDZ, another ACFT or vehicle; STZL consist of a pair of lights located on each side of the rwy centre line, beyond the upwind edge of the final touchdown zone marking position; STZL may be provided on a rwy without touchdown zone markings; STZL are fixed, unidirectional white lights, embedded in the rwy pavement and oriented towards the approach to the rwy in order to be visible to the pilot of a landing acft.

Biarritz, France, (Pays Basque), Based on NOTAM A4501/19 minimums for IAP RNAV (GNSS) Rwy 09 (chart 12-1) raised as follows:

LNAV / VNAV CAT A DA(H) to 502'(260'), RVR unchanged, CAT B DA(H) to 512'(270'), RVR to 900m ALS out 1300m, CAT C DA(H) to 522'(280'), RVR to 900m ALS out 1300m, CAT D unchanged. LNAV DA/MDA(H) to 630'(388'), RVR to 1300m, ALS out CAT AB 1500m CAT CD 1700m.

Bilbao, Spain, Last five lights of the approach light sequential system to RWY 30 out of service (based on SUP 110-19).

Bordeaux, France, (Merignac), Construction works on Apron A (based on SUP 194/19). Refer to temp charts 10-8/10-8A and latest NOTAMS.

Works on TWYs D, G and U (based on SUP 252-19). Refer to temporary charts 10-8B, 10-8C and latest NOTAMS.

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), (11-5) ILS or LOC Z/Y RWY 25R DA(H) for ILS raised to CAT D: 321' (211'), due to crane operations on apron (based on SUP 10-19).

Construction works on Apron 3N, Phase 3 (based on SUP 023-2019). Refer to temporary chart 10-8F and latest NOTAMS.

Construction works on Apron 9 Phase 4 (based on SUP 018-2019). Refer to temporary chart 10-8E and latest NOTAMS.

For construction works information and temporary straight-in apch minimums refer to 10-8 pages and latest NOTAMS (based on SUP 006-19, SUP 007-19).

Cambridge, U.K., Twy N between GA Grass Parking Area and twy C closed to all acft movements. Alternative routing as directed (based on SUP 027/2019).

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.

Castellon, Spain, Parking stands 01, 1SM, 02 and 02A as well as TWY part for access to mentioned stands are closed (based on SUP 012-19).

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.

Coburg, Germany, (Brandensteinsebene), RNAV (GPS) Rwy 30 (12-1) minimums changed (based on SUP 016-19). Refer also to latest NOTAMS.

The Baro-VNAV procedure for RWY 30 using LNAV/VNAV minimum has been canceled. The note, Approach authorized only if EDQC QNH is available, can be disregarded. When using a remote QNH, minimums changed as follows: LPV: CAT AB: DA(H) 1958' (505'), RVR 1500m. LNAV: CAT AB: DA/MDA(H) 2060' (607'), RVR 1500m.

EUROPE

- CIRCLING: Max Kts 100: MDA(H) 2150' (664'),
ceiling 1000' VIS 1500m; Max Kts 135: MDA(H) 2200'
(714'), ceiling 1000' VIS 1600m.
- Cologne-Bonn**, Germany, (11-1/11-1A) ILS or LOC
RWY 14L/CAT II/III ILS RWY 14L, (11-2) ILS
OR LOC RWY 24 and (11-3/11-3A) ILS OR LOC
RWY 32R/CAT II/III ILS RWY 32R LANGEN
Radar (APP) shall read 135.350 MHz.
- Construction works on TWY N (based on SUP
24-19). During phase 3: apron D restricted to
ACFT with code letter C, except stand D11.
- Works on Twy B (based on SUP 15-19). Refer to
temp chart 10-8 and latest NOTAMS.
- Cuneo**, Italy, (Levaldigi), RNAV (GNSS) renamed to
RNP.
- Diepholz**, Germany, (Diepholz AB), Rwy 26 HIALS
withdrawn.
- Donauwörth**, Germany, (Villingen), RNAV
(GPS) Rwy 36 (12-1) minimums changed (based
on SUP 016-19). Refer also to latest NOTAMS.
The Baro-VNAV procedure for RWY 36 using
LNAV/VNAV minimum has been canceled. When
using a remote QNH, minimums changed as
follows:
LPV: CAT A: DA(H) 2929' (710'), RVR 1500m;
CAT B: DA(H) 3039' (820'), RVR 1500m.
LNAV: CAT A: DA/MDA(H) 2930' (711'), RVR
1500m; CAT B: DA/MDA(H) 3040' (821'), RVR
1500m.
- CIRCLING: Max Kts 100: MDA(H) 3100' (869'),
VIS 1500m; Max Kts 135: MDA(H) 3100' (869'),
VIS 1600m.
- Donauwörth**, Germany, COPTER RNP 294° Z
(12-1) & COPTER RNP 294° Y (12-2) minimums
changed (based on SUP 016-19). Refer also to
latest NOTAMS.
When using a remote QNH, minimums changed
as follows:
RNP 294° Z: LPV: DA(H) 1875' (560'), RVR
1000m, ground visibility 800m required.
RNP 294° Y: LPV: DA(H) 2065' (750'), RVR
1000m, ground visibility 800m required.
RNP 294° Z: LNAV: DA/MDA(H) 1990' (675'),
RVR 1000m, ground visibility 800m required.
- Dublin**, Ireland, (Dublin Intl), (10-8B) Rehabilitation
works on RWY 16/34 Phase 2 (based on SUP
015-19). Refer to temp chart 10-8B 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.
- (10-8G) Works on west apron access road (based
on SUP 010-19), wingspan restrictions for taxiing
on RWY 16/34 and twy F-Outer.
Refer to temp chart 10-8G 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.
- (13-01) VOR T Rwy 28 not available (based on SUP
21-19).
- Construction of fuel pipeline (based on SUP 006-19).
Refer to temp chart 10-8D 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).
- Temp procedure (13-01) VOR T Rwy 28 established.
For details refer to temp charts and latest
NOTAMS.
- Dubrovnik**, Croatia, (Cilipi), Based on SUP 012-19
procedures: (11-1) ILS or LOC Rwy 11, (13-1)
VOR Rwy 11, (13-2) VOR A Rwy 29 and charts:
STAR (10-2) and SID (from 10-3 to 10-3C) are
temporary suspended. Temporary procedure
(11-01) ILS Z or LOC Z Rwy 11 and temporary
charts: STAR (10-2A) and SID (from 10-3C1 to
10-3C3) established.
- Duesseldorf**, Germany, Construction works on
Apron West (based on SUP 006-19). Refer to
temp charts 10-8/A and latest NOTAMS.
- Implementation of new TWYs and parking positions
(based on SUP 037-19). Refer to temp charts
10-8B/C and latest NOTAMS. Chart will be
activated via NOTAM.
- Eggenfelden**, Germany, RNAV (GPS) Rwy 26
(12-1) minimums changed (based on SUP
016-19). Refer also to latest NOTAMS.
The Baro-VNAV procedure for RWY 26 using
LNAV/VNAV minimum has been canceled. The
note, Approach only authorized if EDM E QNH
is available, can be disregarded. When using
a remote QNH, minimums changed as follows:
LPV: CAT AB: DA(H) 2053' (720'), RVR 1500m.
LNAV: CAT AB: DA/MDA(H) 2060' (727'), RVR
1500m.
- CIRCLING: Max Kts 100: MDA(H) 2110' (768'),
VIS 1500m; Max Kts 135: MDA(H) 2180' (838'),
VIS 1600m.
- Elefsis**, Greece, 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.
- Emden**, Germany, COPTER RNAV (GPS) Y Rwy 07
(12-3) & COPTER RNAV (GPS) Y Rwy 25 (12-4)
minimums changed (based on SUP 016-19).
Refer also to latest NOTAMS.
The Baro-VNAV procedures for RWY 07 &
25 using LNAV/VNAV minimums have been
canceled. When using a remote QNH, minimums
changed as follows:
LPV Y Rwy 07 & 25: DA(H) 662' (660'), with ALS
RVR 800m, ALS out RVR 1000m.
LNAV Y Rwy 07 & 25: DA/MDA(H) 660' (658'),
RVR 1000m.
- RNAV (GPS) Z Rwy 07 (12-1) & RNAV (GPS) Z
Rwy 25 (12-2) minimums changed (based on SUP
016-19). Refer also to latest NOTAMS.
The Baro-VNAV procedures for RWY 07 &
25 using LNAV/VNAV minimums have been
canceled. When using a remote QNH, minimums
changed as follows:
LPV Z Rwy 07 & 25: CAT AB: DA(H) 662' (660'),
RVR 1500m; CAT C: DA(H) 662' (660'), RVR
2400m.
LNAV Z Rwy 07 & 25: CAT AB: DA/MDA(H) 660'
(658'), RVR 1500m; CAT C: DA/MDA(H) 660'
(658'), RVR 2400m.

EUROPE

- Farnborough, U.K.**, (10-9) East Apron unavailable due to work in progress (based on SUP 067/2018).
- Faro**, Portugal, 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.
- Fassberg**, Germany, (Fassberg Army), IFR profiles within airspace class E. Watch out for VFR traffic unknown to ATC.
- Figari/Sud Corse**, France, Chart 10-9 (Airport, Airport Info, Take-Off Mnms): ballnote 2 should read "Obstruction clearance of Mt Caldarellu 393', 232°/1.7 NM from airport, assured. PAPI course is 5° offset RIGHT from runway centerline."
- Floro**, Norway, FLORO Information freq 121.850 withdrawn.
- Frankfurt/Main**, Germany, Construction work on twys (based on SUP 18-19). Refer to temp chart 10-8 and latest NOTAMS.
- Construction works for new GA apron and new Twy Y7 (based on SUP 28-19). Refer to temp chart 10-8C and latest NOTAMS.
- Construction works for new section of Twy R (based on SUP 29-19). Refer to temp chart 10-8B and latest NOTAMS.
- Construction works for new Twy M34 (based on SUP 19-19). Refer to temp chart 10-8A and latest NOTAMS.
- 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.
- Frankfurt-Hahn**, Germany, Construction works on Twy F (based on SUP 36-19). Phase 1: Taxiing for acft equal or less 14t and the towing of acft greater than 14t from and to apron 5 is only possible over the Rwy, Twys F, G and M. Phase 2 and 3: Taxiing for acft equal or less 14t and the towing of acft greater than 14t from and to apron 5 is only possible over Twys A and M. Due to the vicinity to Rwy 03/21, the construction work for Phase 3 will exclusively be carried out between 2300 and 0500 LT when the airport is closed at night. During the day-time, there will be no restrictions for flight operations on adjacent surfaces while the construction work is carried out. Refer also to latest NOTAMS.
- Geilenkirchen**, Germany, (Geilenkirchen AB), (11-1) ILS Y or LOC Y RWY 27, (12-1) RNAV (GNSS) RWY 09 and (12-2) RNAV (GNSS) RWY 27 circling MDH for Max Kts 180 and 205 shall read (948').
- Additional FRISBEE Tower frequency 120.055 MHz and additional FRISBEE Radar frequency 123.730 MHz available.
- 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.
- RNAV (GPS) Rwy 08 (12-1) & RNAV (GPS) Rwy 26 (12-2) minimums changed (based on SUP 016-19). Refer also to latest NOTAMS.
- The Baro-VNAV procedures for RWY 08 & 26 using LNAV/VNAV minimums have been canceled. When using a remote QNH, minimums changed as follows:
LNAV Rwy 08: CAT AB: DA/MDA(H) 1570' (593'), RVR 1500m; CAT C: DA/MDA(H) 1570' (593'), with ALS RVR 2300m, ALS out RVR 2400m.
LNAV Rwy 26: CAT AB: DA/MDA(H) 1570' (592'), RVR 1500m; CAT C: DA/MDA(H) 1570' (592'), with ALS RVR 2300m, ALS out RVR 2400m.
- Girona**, Spain, Works on TWYs. Please refer to temporary chart 10-8 and latest NOTAMS.
- 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.
- Based on SUP 43/19 Blasting takes place next to apron area Rwy 21 up to 1000' from MON to FRI between 0900 and 1400 (LT) with possible minor delays.
- Minima raised due to cranes at apt. Temp procedure (11-01) ILS or LOC Rwy 03, (11-02) ILS or LOC Rwy 21, (12-02) RNP Y Rwy 21, (12-021) RNP Z Rwy 21 (AR), (16-01) NDB Rwy 03, (16-02) NDB Rwy 21, (10-9Y1) STD COPTER MNMS established. For details refer to temp charts and latest NOTAMS.
- Graz**, Austria, RNAV (GNSS) renamed to RNP.
- Grazzanise**, Italy, (Grazzanise Mil), (10-2/A, B/C, 10-3B/C) Add IATA code: QTC.
- Hamburg**, Germany, CAT II/III ILS Rwy 23 (11-3A) CAT D DA(H) changed to 146' (103') and CAT D RA changed to 101'.
- For construction works information related to phase 8 refer to 10-8, 10-09A1 and latest NOTAMS (based on SUP 21-19).
- Hannover**, Germany, For construction works information (based on SUP 034-19) refer to 10-8 and latest NOTAM.
- Hassfurt**, Germany, (Schweinfurt), RNAV (GPS) Rwy 29 (12-1) minimums changed (based on SUP 016-19). Refer also to latest NOTAMS.
- When using a remote QNH, minimums changed as follows:
LNAV: CAT AB: DA/MDA(H) 1310' (590'), RVR 1500m.
- Hohn**, Germany, IFR profiles within airspace class E. Watch out for VFR traffic unknown to ATC.
- Holzendorf**, Germany, (Holzendorf AB), IFR profiles within airspace class E. Watch out for VFR traffic unknown to ATC.

EUROPE

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).

The switch-on of the lights of visual aids will be delayed by 15 minutes.

Hyerès, France, (Le Palyvestre Navy), Construction works in progress (based on SUP 272-19). Refer to temp charts 10-8 thru 10-8C and latest NOTAMs.

Ibiza, Spain, For construction works on apron and TWYs refer to temporary charts 10-8 thru 10-8C and latest NOTAMs (based on SUP 83-19).

Ireland West, Ireland, (Knock), (11-2) ILS B RWY 26: Middle marker 75 kHz out of service.

Due to rehabilitation of Rwy 08/26 and Twys A & B (based on SUP 4-19), airport will be closed from 2000 to 0800 LT. Pilots should be aware that operational conditions may prevent full reinstatement at the end of each work period. Refer also to latest NOTAMs.

Jyvaskyla, Finland, Rwy 30 ALS reduced to 720m.

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.

Due to works on manoeuvring area (based on SUP 68/2019) IFR traffic not permitted. Refer also to latest NOTAMs.

Kemi, Finland, (Tornio), Due to constructions works (based on SUP 97-19) circling MDA(H) for CAT C raised to 820' (758') for procedures (11-1) ILS Z or LOC Z Rwy 18, (11-2) ILS Y or LOC Y Rwy 18, (12-1) RNP Rwy 18, (12-2) RNP 36, (16-1) NDB Rwy 18 and 16-2) NDB Rwy 36.

Klagenfurt, Austria, RNAV (GNSS) renamed to RNP.

Kortrijk-Wevelgem, Belgium, Construction works (based on SUP 024-19). Please refer to temp chart 10-8 and latest NOTAMs.

Kraljevo, Serbia-Montenegro, (Ladevci), (10-2F/2G, 10-3H/3J/3K/3L) Temporary procedures are introduced for the operational use during the modernization works on the KRV VOR/DME.

During the works, KRV VOR/DME will not be available. Users are advised to plan operations with the available PBN procedures or the temporary NDB procedures. (Based on AIRAC AIP SUP 5/19)

Based on SUP 005/19: KRV VOR/DME not available. New temporary procedures established: (16-01) NDB Rwy 13 (temp) and (16-02) NDB Rwy 31 (temp). Refer also to latest NOTAMs.

Type of traffic permitted: VFR only.

Krk Island, Croatia, (Rijeka), Based on SUP 011/2019 new trial apch procedures established (12-01) RNAV (GNSS) Rwy 14 and (12-02) RNAV (GNSS) Rwy 32. Refer also to latest NOTAMs.

Kuopio, Finland, Due to temporary reduction of HIALS to ALS of 300m minima raised as follows: (12-1) RNP Rwy 15, LNAV/VNAV for all CAT with ALS increased to RVR 1400m. LNAV for CAT CD with ALS increased to RVR 1800m.(13-1) VOR

Rwy 15, apch with D4.1/D6.0 for CAT CD with ALS increased to RVR 1800m, apch w/o D4.1 for CAT CD with ALS increased to CMV 2400m.

Laage, Germany, (Rostock-Laage), IFR Profiles within airspace Class E. Watch out for VFR traffic unknown to ATC.

Lakenheath, U.K., (Lakenheath AB), ASROT DEP (10-3) - ASROT fix N52 38.6, W000 00.7.

Laupheim, Germany, (Laupheim Army), (18-1, 18-2) EFF 23 Aug 2012 LIMA Radar frequency chgd from 119.1 MHz to 120.45 MHz.

IFR profiles within airspace class E. Watch out for VFR traffic unknown to ATC.

Leeds Bradford, U.K., NDB ILS DME or NDB LOC DME Rwy 32 (11-3) LOC (GS out) minimums raised: DA/MDA(H) 1020'(358'), RVR with lights: RVR 900m, ALS out CAT A, B: RVR 1500m, CAT C, D: RVR: 1600m.

Leon, Spain, ABN out of service; RWY 06/24 natural ground compact closed; Helicopter landing area closed (based on SUP 24-18, eff 28 Mar 2019 based on SUP 21-19).

PAPI Rwy 05 out of service (based on SUP 104/19).

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 C0-N0 and C1 included.

Zone 2: between C1 and C2-N2 (included).

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.

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.

Limnos, Greece, (Ifaistos), Rwy 04R/22L MIRL spacing is 60m.

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.

Linz, Austria, RNAV (GNSS) renamed to RNP.

Lisbon, Portugal, Construction works on RWY 17/35 (based on SUP 026-19). Refer to temp pages 10-8/10-8A and latest NOTAMs.

Low Visibility Procedure RWY 03 not available (based on SUP 021-19).

EUROPE

- Ljubljana**, Slovenia, (Brnik), (11-1A) CAT II/III ILS Rwy 30 DA(H) raised for CAT D to 1303' (112') and RA raised to 117'.
- Leida**, Spain, (Alguaire), Outside ATS hrs: Air to Air Self information on 121.325.
- Logrono**, Spain, On ILS Z or LOC Z RWY 29 (11-1) minimums for ILS approach changed as following (based on SUP 063-19): CAT A: 1393' (254'), CAT B: 1405' (266'), CAT C: 1413' (274'): RVR 600m, RVR ALS out 1300m. CAT D: 1424' (285'), RVR 650m, RVR ALS out 1400m. When a Flight Director or Autopilot or HUD to DA is not used: CAT ABCD: RVR 750m.
- 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.
- 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.
- Luebeck**, Germany, (Blankensee), (10-2D, 10-2F/G, 10-3B/C) LBV VORDE and LUB VOR decommissioned. Refer to temporary charts and latest NOTAM.
- Lulea**, Sweden, (Kallax AB), (10-9, 10-9A) Airport info. Due to construction of new de-icing apron (based on SUP 51-19), apron 12, de-icing apron and southern twy entry to apron 9 are closed.
- Luxembourg**, Luxembourg, Apron 5 temporarily closed between Eastern and Western entries (based on SUP 03-19). Refer to temp chart 10-8 and latest NOTAMS.
- 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.
- Madeira**, Portugal, (SID/STARs) Due to replacement of MSSR Porto Santo Radar Station (10-2, 10-2A, 10-2B charts) 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 charts) all SIDs suspended. Use Contingency SIDs on 10-3H, 10-3J, 10-3K, 10-3L instead. Refer also to latest NOTAMS.
- Madrid**, Spain, (Adolfo Suarez Madrid-Barajas), Temporary procedures ILS X 18L (11-01, 11-01AA) and ILS X 18R (11-01BB, 11-01CC) established due to celebration of Columbus Day on October 12th (for further info see SUP 73/19). Activation of the Supplement shall take place by NOTAM.
- Works for extension of ramp 7 (based on SUP 130-18, with eff date 12 SEP 19 based on SUP 78-19). Refer to temporary charts 10-8B, 10-8C and latest NOTAM's.
- Works on ramp 2 thru 4 (based on SUP 129/18, eff 20 JUN 19 based on SUP 48-19). Refer to temporary charts 10-8, 10-8A and latest NOTAM's.
- Works on Stands and new Stand 209 (based on SUP 057-19). Please refer to temp chart 10-8W and latest NOTAMS.
- 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 TWYs M9 and M10 (based on SUP 74/19). Refer to temp charts 10-8D thru 10-8E and latest NOTAMS.
- Works on TWYs R1, R5, R6, R7, R8, Z2 and Z4 (based on SUP 094-19). Refer to temp charts 10-8F, 10-8G and 10-8H and latest NOTAMS.
- Madrid**, Spain, (Getafe), IAP VOR Rwy 05 (chart 23-1) not available.
- VOR RWY 05 (23-1) procedure not available (based on SUP 140-18, with eff date 7 NOV 19 based on SUP 122/19).
- Madrid**, Spain, (Torrejón), 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, with eff date 12 SEP based on SUP 085-19).
- Magdeburg City**, Germany, RNAV (GPS) Rwy 27 (12-1) minimums changed (based on SUP 016-19). Refer also to latest NOTAMS.
- The Baro-VNAV procedure for RWY 27 using LNAV/VNAV minimum has been canceled. When using a remote QNH, minimums changed as follows:
LPV: CAT AB: DA(H) 819' (570'), RVR 1500m.
LNAV: CAT AB: DA/MDA(H) 820' (571'), RVR 1500m.
CIRCLING: Max Kts 100: MDA(H) 880' (612'), VIS 1500m; Max Kts 135: MDA(H) 1370' (1102'), VIS 1600m.
- Malaga**, Spain, (Costa Del Sol), Air TWY EH out of service (based on SUP 105-19).
- During works on apt in 2 phases (based on SUP 53-18, with Eff 28 MAR 19 based on SUP 14-19), 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.
- 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.
- Manchester**, U.K., (10-9, 10-9A) Twy NA is closed HN.

EUROPE

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

Construction work of new **Twy E** (based on SUP 015-19). Refer to temp chart 10-8 and latest NOTAMS.

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'.

Mehamn, Norway, **Rwy 17/35** is grooved.

Mengen, Germany, (Hohentengen), **RNAV (GPS) Rwy 25 (12-1)** minimums changed (based on SUP 016-19). Refer also to latest NOTAMS.

The **Baro-VNAV** procedure for **Rwy 25** using **LNAV/VNAV** minimum has been canceled. When using a remote **QNH**, minimums changed as follows:

LPV: CAT A: DA(H) 2230' (420'), **RVR 1500m**;
CAT B: DA(H) 2239' (429'), **RVR 1500m**.

LNAV: CAT AB: DA/MDA(H) 2480' (670'), **RVR 1500m**.

Menorca, Spain, **REIL RWY 01** unserviceable (based on SUP 42-19, with eff date 7 NOV 19 based on SUP 115/19).

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 is reserved for aircraft based therein during **IMC** and between sunset and sunrise (based on MIL SUP 021-19).

Rwy 08/26 unusable for jet a/c due to degraded pavement, except for emergencies.

Rwy 26 PALS CAT I unserviceable (based on MIL SUP 019-19).

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, Construction works on apron **A** in progress (originally based on SUP 166-19). Eff date changed to 12 SEP 19 (based on AIRAC SUP 233-19). Refer to temp chart 10-8A and latest NOTAMS.

Mostar, Bosnia and Herzegovina, Based on SUP 003/19 new temporary procedure (12-01) **RNP Rwy 33** established on trial basis- refer to temp chart and latest NOTAMS.

Munich, Germany, Construction works on **Apron 1 - PHASE 1&2** (based on SUP 32-19). Refer to temp chart 10-8 and latest NOTAMS.

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.

Neubrandenburg, Germany, **RNP Rwy 09 (12-1) & RNP Rwy 27 (12-2)** minimums changed (based on SUP 016-19). Refer also to latest NOTAMS.

The **Baro-VNAV** procedures for **Rwy 09 & 27** using **LNAV/VNAV** minimums have been canceled. When using a remote **QNH**, minimums changed as follows:

LPV Rwy 09: CAT AB: DA(H) 911' (710'), **RVR 1500m**; **CAT CD: DA(H) 911' (710')**, **RVR 2400m**.
LNAV Rwy 09: CAT AB: DA/MDA(H) 910' (709'), **RVR 1500m**; **CAT CD: DA/MDA(H) 910' (709')**, **RVR 2400m**.

LPV Rwy 27: CAT AB: DA(H) 907' (680'), **RVR 1500m**; **CAT CD: DA(H) 907' (680')**, **RVR 2400m**.
LNAV Rwy 27: CAT AB: DA/MDA(H) 910' (683'), **RVR 1500m**; **CAT CD: DA/MDA(H) 910' (683')**, **RVR 2400m**.

Neuburg, Germany, (Neuburg AB), **IFR** profiles within airspace class **E**. Watch out for **VFR** traffic unknown to **ATC**.

Nice/Cote D'Azur, France, **ACFT** non 8.33 KHz equipped. On departure **ACFT** shall contact **ATS** on **NICE TWR 118.700 MHz**. On arrival **ACFT** shall contact **ATS** on **NICE** Information North 120.850 MHz or South 122.925 MHz or West 124.425 MHz.

Due to works on stands 56 thru 62 (based on SUP 291-19), capacity of these stands are reduced. New stand 56L is available. Planes can access stand 56L from twy T via twy A only. Push back from stand 56L on twy T facing East only. Push back from the other stands (56A, 56B, 56C, 58A, 58B, 58C, 60 and 62) is not modified. Throughout the duration of this work, operators whose **ACFT** are parked for a night stop on these stands are requested to place engine covers and any other devices needed to protect the **ACFT** sensitive areas. Refer also to latest Notams. Eff 01 Jan 20.

Per **AIC A 033/18** following procedures are effective:
Rwy 04L/R: (12-3) RNAV A (GNSS) Rwy 04L/R by default. (11-1/11-2) **ILS** or **LOC Rwy 04L**, (11-3/11-4) **ILS** or **LOC Rwy 04R**, (12-1/12-1A) **RNAV (GNSS) Z Rwy 04L**, (12-2) **RNAV (GNSS) Y Rwy 04L**, (12-4) **RNAV (GNSS) Z Rwy 04R** and (12-5) **RNAV (GNSS) Y Rwy 04R** are available only, if weather conditions are not met for implementation of **RNAV A (GNSS) Rwy 04L/R**.

Rwy 22L/R: (12-6) RNAV D (GNSS) Rwy 22L/R. Conventional **VOR** procedures will remain published as back-up only. For further information please refer to: www.sia.aviation-civile.gouv.fr/aicmetropole.

Nis, Serbia-Montenegro, (Konstantin Veliki), Based on SUP 006-19 new temporary procedure (16-01) **NDB Rwy 11** established. Refer also to latest NOTAMS.

Northolt, U.K., (Northolt AB), **Helicopters (PPR)** may follow the published **SRA** procedures on (18-1) **SRA Rwy 07** and (18-2) **SRA Rwy 25** and continue visually to helicopter landing area.

EUROPE

- (10-9) On ASP 1 there is a Hardened Landing Surface HaLS 09/27 (length 400m/1312ft, width 20m/66ft) established. North of HaLS 09/27 there is also a marked H on the ASP 1, which is called Heli2 (H2) (length 15m/50ft, width 15m/50ft)
- RWY 07/25 closed. (11-1) ILS DME Rwy 25 and (18-1) PAR Rwy 07 procedures not available. No fixed Wing will be accepted.
- Oberschleisheim**, Germany, (Oberschleisheim (BGS)), COPTER RNP 074° (12-1), COPTER RNP 254° (12-2) & COPTER VOR 096° (13-1) minimums changed (based on SUP 016-19). Refer also to latest NOTAMS.
- When using a remote QNH, minimums changed as follows:
LNAV H-074°: DA/MDA(H) 2040' (440'), RVR 1000m.
LNAV H-254°: DA/MDA(H) 2040' (440'), RVR 1000m.
VOR 096°: DA/MDA(H) 2090' (490'), RVR 1000m.
- Ohrid**, North Macedonia, (St Paul the Apostle), New Constitutional name of the Republic of Macedonia, from now on, shall be Republic of North Macedonia
- Oslo**, Norway, (Gardermoen), Between 28 JUN 19 & 11 AUG 19 EST RWY 01R/19L is closed. All departure procedures dedicated to this RWY are suspended. Omnidirectional Departures available for temporary RWY 01C/19C (10-3S). Published RNAV STARs will only be used to RWY 01L/19R. (based on SUP 14-19)
- Construction works on airport (based on SUP 010-19). Refer to temp charts (10-8A/10-8B) and latest NOTAMS.
- Temporary Rwy 01C/19C established and Rwy 01R/19L closed due to resurfacing (based on SUP 14-19). Refer to temp chart 10-8C and latest notams.
- Ovar**, Portugal, (Ovar AB), South entry to Apron 4 closed.
- TWY C closed between RWY 18/36 and TWY M (based on SUP 17-19).
- Palma De Mallorca**, Spain, For construction works information refer to 10-8/10-8A chart and latest NOTAMS (based on SUP 087-19).
- For construction works information refer to chart 10-8E and latest NOTAMS (based on SUP 093-19).
- For construction works information refer to temporary charts 10-8C/10-8D and latest NOTAMS (based on SUP 089-19, with eff date 7 NOV 19 based on SUP 125/19)
- Runway guards lights in TWY H6 out of service (based on SUP 150-18, with eff 23 May 19 based on SUP 45-19).
- Works on Aprons and Taxiways (based on SUP 008-19, with eff 10 OCT 19 based on SUP 107/19). Refer to temporary chart 10-8B and latest NOTAM's.
- 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), Closure of TWYs due to works on TWY D (based on SUP 255-19). Refer to temporary chart 20-8D and latest NOTAMS.
- Construction works on TWYs R, TE3 and RT5 (based on SUP 257/19). Refer to temporary chart 20-8E and latest NOTAMS.
- For construction works on TWY T (based on SUP 230-19) refer to temporary chart 20-8C and latest NOTAMS.
- Paris**, France, (Le Bourget), Works for replacement of ILS 27 (based on SUP 130/19). Refer to temp charts 30-8A thru 30-8D and latest NOTAMS.
- 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.
- (SIDs Rwy 20) During the closure period of Rwy 08/26 for renovation, new initial departure procedures (letter 7A & 7B) for Rwy 20 are published and shall be used temporarily at Paris Orly in west configuration. Refer to temp charts (10-3A1 and 10-3P thru 10-3X8) and latest NOTAMS.
- Works to renovate RWY 07/25 and create new TWY W32 (based on SUP 232-19). Refer to temp charts 10-8D/10-8E 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), Evaluation of a ground frequency at aerodrome (based on SUP 313-19 former SUP 278-19). Refer to temp chart 10-8 and latest NOTAMS. Activation hours changed from 0530Z to 2130Z except weekends and holidays to ATC hours every day.
- Piacenza**, Italy, (Piacenza Mil), (10-3 thru 10-3J) Add IATA code: QPZ.
- Porto**, Portugal, (Francisco SA Carneiro), Construction works East of rwy 17/35 (based on SUP 011/19). Exercise caution due to presence of personnel and machinery. Refer to latest NOTAMS.
- Prestwick**, U.K., (10-2B, 10-2C) RNAV Approach Transitions not available.
- Pristina**, Serbia-Montenegro, Construction works in progress (based on SUP 01/2019). For details refer to temp chart 10-8 and latest NOTAMS.
- Rome**, Italy, (Ciampino), Construction works on Apron 500 (based on SUP 17-19). Refer to temp charts 20-8 thru 20-8C 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), Construction works in progress on airport area. Refer to temp charts 10-8 and 10-8A and latest NOTAMS.
- Rotterdam**, Netherlands, Construction works on Rwy (based on SUP 008-18). Refer to temporary 10-8 and latest Notams.
- Santander**, Spain, (Seve Ballesteros-Santander), Works on Airfield (based on SUP 066-19) existing of 4 Phases with respective subphases. Phase 1A, B, C and 2A: No operational restrictions to be expected. Phase 2B: ILS system RWY 29 out of service. ILS Z RWY 29 (11-1), ILS Y RWY 29 (11-2) and LOC RWY 29 (11-3) not available. Phases 3 and 4: Visual light aids for the turn pad centre line and edge out of service.

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Exercise caution when taxiing on the turn pad and throughout all phases. Refer also to latest NOTAM.

Santiago, Spain, Works on TWYs E1 and T2 (based on SUP 062-19, with eff date 7 NOV 19 based on SUP 99/19). Refer to temporary charts 10-8, 10-8A and latest NOTAMs.

Satenas, Sweden, (Satenas AB), (11-1) ILS OR LOC RWY 19, (16-1) NDB RWY 01, (16-2) NDB RWY 19, (18-1) PAR RWY 01 and (18-2) PAR RWY 19 Circling CAT C MDA(H) raised to 900' (719') (based on SUP 100-2019).

(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'.

Schoenhagen, Germany, RNP Rwy 25 (12-1) minimums changed (based on SUP 016-19). Refer also to latest NOTAMS.

The Baro-VNAV procedure for RWY 25 using LNAV/VNAV minimum has been canceled. When using a remote QNH, minimums changed as follows:

LPV CAT I: CAT AB: DA(H) 752' (610'), RVR 1500m; CAT C: DA(H) 752' (610'), RVR 2400m.

LNAV: CAT AB: DA/MDA(H) 750' (608'), RVR 1500m; CAT C: DA/MDA(H) 750' (608'), RVR 2400m.

CIRCLING: Max Kts 100: MDA(H) 800' (648'), VIS 1500m; Max Kts 135: MDA(H) 800' (648'), VIS 1600m.

Seville, Spain, (10-3A): Disregard close-in obstacle & general note 3. Refer also to latest NOTAMS.

Due to temporary displacement of thresholds (based on SUP 029-19, with eff date 10 OCT 19 based on SUP 103-19), during phase 1, following procedures are unavailable: (11-3) ILS Z or LOC Z Rwy 27, (11-4) ILS Y or LOC Y Rwy 27, (11-5) ILS X or LOC X Rwy 27, (11-6) ILS W or LOC W Rwy 27, (13-2) VOR Rwy 27, (16-1) NDB Rwy 27. During phase 2, following procedures are unavailable: (11-1) ILS Z or LOC Z Rwy 09, (11-2) ILS Y or LOC Y Rwy 09, (13-1) VOR Rwy 09. Refer to new temporary charts 13-01/13-02 and 16-01 and latest NOTAMS.

Works on RWY 09/27 (based on SUP 007-19, with eff date 10 OCT 19 based on SUP 97/19). Refer to temporary charts 10-8 thru 10-8C and latest NOTAMS.

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 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').

Sintra, Portugal, (Sintra AB), Aerodrome beacon unserviceable (based on MIL SUP 18-19)

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

St Gallen, Switzerland, (Altenrhein), Simple Touchdown Zone Lights (STZL) installed.

STZL shall not to be confused with TDZ, another ACFT or vehicle; STZL consist of a pair of lights located on each side of the rwy centre line, beyond the upwind edge of the final touchdown zone marking position; STZL may be provided on a rwy with touchdown zone markings; STZL are fixed, unidirectional white lights, embedded in the rwy pavement and oriented towards the approach to the rwy in order to be visible to the pilot of a landing acft.

St Yan, France, (10-1R) Several sectors revised.

Stockholm, Sweden, (Arlanda), (11-1) ILS or LOC Rwy 01L: Due to temporary crane minima for LOC (GS out) with D2.3 SSA DA/MDA(H) raised to 520' (421'), RVR with ALS 1300m and CAT C&D ALS out RVR 2000m (based on SUP 70-19).

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.

Straubing, Germany, RNAV (GPS) Rwy 27 (12-1) minimums changed (based on SUP 016-19). Refer also to latest NOTAMS.

The Baro-VNAV procedure for RWY 27 using LNAV/VNAV minimum has been canceled. The note, Approach authorized only if EDMS QNH is available, can be disregarded. When using a remote QNH, minimums changed as follows:

LPV: CAT AB: DA(H) 1825' (780'), RVR 1500m.

LNAV: CAT AB: DA/MDA(H) 1830' (785'), RVR 1500m.

CIRCLING: Max Kts 100: MDA(H) 1890' (837'), VIS 1500m; Max Kts 135: MDA(H) 1890' (837'), VIS 1600m.

Stuttgart, Germany, Construction works on TWY M (based on SUP 005-19), Refer to temp chart 10-8 and latest NOTAMS.

Sylt, Germany, (10-9) SFL rwy 14 available,

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.

Due to works on taxiways and restrictions of use of RWY14L/32R (based on SUP110-19), during phase 3, following procedure is unavailable: (11-4) ILS OR LOC RWY 32R. Refer to temporary charts 10-8/10-8A and latest NOTAMS.

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(RNAV SIDs) Based on SUP 234/19, RNAV SID FISTO 5P on chart 10-3J suspended. For experimental purposes new temporary RNAV SIDs FISTO & LACOU 5Q & 5R established on trial basis. Refer to temp charts 10-3J1/J2 and latest NOTAMS.

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.

Tromso, Norway, (Langnes), Construction works on southern and northern part of RWY 18/36 (based on SUP 013-19). A temporary RWY configuration with two shortened RWYs will be established. RWY Configuration South with standard THR RWY 36 and TEMP THR RWY 18X. RWY Configuration North with TEMP THR RWY 36X and standard THR RWY 18. Refer to temporary charts 10-8A, 10-8B, 10-9Y1 and temporary procedures ILS Z OR LOC Z RWY 18 (11-01), ILS Z OR LOC Z RWY 18 MNMS (11-01AA), LOC X RWY 18 (11-02), ILS Z RWY 36 (11-03), LOC Z RWY 36 (11-04), LOC X RWY 36 (11-05), RNAV (GNSS) X RWY 18 (12-01). RNAV (GNSS) X RWY 36 (12-02) and RNAV(GNSS) A (12-03) and latest NOTAMS.

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 RVR 2100m. VOR with D3.0 DA(H) raised to 470' (446'), RVR with ALS 1400m and CAT C&D ALS out RVR 2100m.

Uppsala, Sweden, (Uppsala AB), (11-1) ILS or LOC Rwy 21 and (16-1) NDB Rwy 21: due to temporary crane (based on SUPP 88/19) Circling MDA(H) for CAT B raised to 810' (741') and for CAT CD raised to 910' (841'). Circling West of Rwy is not concerned.

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 72-19). Refer to temp pages 10-8D thru 10-8H and latest NOTAMS.

Verona, Italy, (Villafranca), Construction works on apron (based on SUP 016-19). Refer to temp chart 10-8, 10-8A and latest NOTAMS.

Vienna, Austria, (Schwechat), (10-9D) 7 new parking stands established in western part of General Aviation Apron West. Stands A30 thru A34 with stand coords N48 07.7 E016 32.1 and elevation 570'. Stands A35 and A36 with stand coords N48 07.6 E016 32.1 and elevation 570'. All stands push-back required.

Vila Real, Portugal, ALS Rwy 02 out of service (based on SUP 13-18).

Villacoublay, France, (Velizy AB), IATA code is VIY.

Visby, Sweden, (10-9) Stand 2 closed due to maintenance work on Apron A (based on Sup 77/2019).

(11-1) ILS Z or LOC Z Rwy 21 and (11-2) ILS Y or LOC Y Rwy 21, OM Rwy 21 operational without surveillance.

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.

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.

Procedure established outside controlled airspace note withdrawn.

Wilhelmshaven, Germany, (Jade Weser Airport), RNAV (GPS) Rwy 02 (12-1) & RNAV (GPS) Rwy 20 (12-2) minimums changed (based on SUP 016-19). Refer also to latest NOTAMS.

The Baro-VNAV procedures for RWY 02/20 using LNAV/VNAV minimums have been canceled. When using a remote QNH, minimums changed as follows:

LNAV Rwy 02: CAT AB: DA/MDA(H) 570' (557'), RVR 1500m.

LNAV Rwy 20: CAT AB: DA/MDA(H) 550' (532'), RVR 1500m.

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

Zadar, Croatia, (Zemunik), (12-2) RNAV (GNSS) RWY 13 is temporarily suspended (based on SUP 013/19). New temporary procedures (12-01) RNAV (GNSS) Z RWY 13 and (12-02) RNAV (GNSS) Y RWY 13 are established. Procedure (12-02) RNAV (GNSS) Y RWY 13 is available and shall be used for flight validation purposes only, by approved operators only and according to ZADAR ATC clearance only. Refer also to latest NOTAMS.

For construction works on airport area (based on SUP 005/19) 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, with eff date 7 NOV 19 based on SUP 124/19)

Construction works on Civil Apron (based on SUP 166-18, with eff date 7 NOV 19 based on SUP 113/19). Operational restrictions to be expected on TWY and parking stand 12 and 13. Caution is recommended due to the presence of personnel and machinery. Refer also to latest NOTAM.

Works on Taxiways (based on SUP 165-18). Refer to temporary charts 10-8 thru 10-8M and latest NOTAMs.

Zeltweg, Austria, RNAV (GNSS) renamed to RNP.

Zweibruecken, Germany, Straight-in landing minimums changed (based on SUP 016-19). Refer also to latest NOTAMS.

When using a remote QNH, minimums changed as follows:

VOR Rwy 03 (13-1): CAT AB: DA/MDA(H) 1750' (624'), RVR1500m; CAT CD: DA/MDA(H) 1750' (624'), RVR 2400m.

VOR Rwy 21 (13-2): CAT AB: DA/MDA(H) 1720' (605'), RVR 1500m; CAT CD: DA/MDA(H) 1720' (605'), RVR 2400m.