

## EUROPE

Jeppesen CHART CHANGE NOTICES highlight only **significant** changes affecting Jeppesen Charts, also regularly updated at [www.jeppesen.com](http://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 Donauworth to Donauwoerth, Dusseldorf to Duesseldorf, Lubeck to Luebeck, Monchengladbach to Moenchengladbach, Munster/Osnabruck to Muenster/Osnabrueck, Nurnberg to Nuernberg, Saarbrucken to Saarbruecken, Schonefeld to Schoenefeld, Schwabisch Hall to Schwaebisch Hall, Zweibrucken to Zweibruecken.

**BELGIUM****ATS ROUTES changed:**

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

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A1, [DJL30] (N4737.2 E00433.4) withdrawn; LUREN - Dijon Longvic VORDME (DJL), 66NM, MEA FL70; [SPR02] withdrawn; St Prex VORDME (SPR) - [TMA32], 14NM.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.**  
 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, Martignes 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, Martignes 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.**  
 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) - EPIOX NCRP, 191°, 8NM, MEA FL120. **E LO-4/7C.**  
 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.**

## EUROPE

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.**

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

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.**

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.**

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.**

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

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.**

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.**

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

T732, RAUTA NCRP estbld at N4753.2 E00908.2; NEDOV - RAUTA - GARMO, 10/9NM. **LSZH 10-1.**

T732, Sulz VORDME (SUL) to USETI, withdrawn (until 6 DEC 2018). **E LO-4/10A.**

T906, ROSOK (N5412.6 E01204.6) - RAMAR, CDR 1. **E LO-8/6D.**

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.**

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.**

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.**

Z2, OSDOV (N4726.4 E01011.0) - XEBIX, MEA 10000'. **EDDM 10-1.**

Z39, LALIN (N4852.8 E01314.5) - DOMAL realigned; LALIN - DOLUP NCRP at N4907.2 E01323.7, 019°. **EDDM 10-1.**

Z739, NAPRO (N5151.4 E00603.5) to AMOSU, MEA FL170. **EHAM 10-1.**

Z818, Saarbruecken NDB (SBN) replaced by SARRI NCRP at same position. **EDDF 10-1.**

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

## GREECE

## ATS ROUTES changed:

B1, Skopelos VORDME (SKP) to DILOP, MEA FL80. **LGAV 10-1.**

G33, Kea VORDME (KEA) to Alexandroupolis VORDME (ALX), cruising levels chgd to NON-standard, EVEN levels N-bound. **LGAV 10-1.**

J61, Kalamata VORDME (KAM) to Didimon VORDME (DDM), cruising levels chgd to NON-standard, EVEN levels NE-bound. **LGAV 10-1.**

P169, Athens VORDME (ATV) to Chania VORDME (SUD), MEA FL100. **LGAV 10-1.**

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

## ITALY

## ATS ROUTES changed:

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.**

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

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

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

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

## EUROPE

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**.  
 T345, ABULO (N4534.5 E00659.7) - LURAG, MEA FL190, chgd to one-way-SE-bound. **LIMC 10-1**.  
 T678, IPDAB CRP estbl'd at N4457.7 E01051.0; NUVLA withdrawn; IBNAN - IPDAB, 34NM; IPDAB - NEVMO, 098°, 23NM. **LIMC 10-1**.  
 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**.  
 Ciampino NDB (CIA) decmsnd. **LIRF 10-1**.

## NETHERLANDS

## ATS ROUTES changed:

L/UL745, Costa VORDME (COA) to TULIP closed (until 28 Sep 2018). **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 estbl'd at N6601.8 E01328.6. **E LO-7/3A**.  
 INVAL NCRP estbl'd at N6822.0 E01455.4. **E LO-7/3B**.  
 ODNOS NCRP estbl'd at N6617.4 E01346.1. **E LO-7/3A**.

## 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

PETROZAVODSK VORDME (PTZ) 109.25 cmsnd at N6153.3 E03409.7. **E LO-8/10D**.  
 UL(P)-37 estbl'd; GND-FL100. (N59 E030). **E LO-9/4AB**.

## SPAIN

## ATS ROUTES changed:

B31, Sabadell VORDME (SLL) - MAMUK chgd to two-way, 355°/175°. **LEBL 10-1**.  
 N861, OLOXO CRP estbl'd at N4226.1 E00130.8, LATRO - OLOXO - OKABI, 40/11NM. **LEBL 10-1**.  
 T113, RUTIP NCRP estbl'd at N4228.7 E00126.2, SINDO - RUTIP - OKABI, 21/9NM. **LEBL 10-1**.  
 CUATRO VIENTOS NDB (CVT) freq chgd to 417. **LEMD 10-1**.

TABANERA VORDME (NEA) decmsnd and replaced by UNOVI CRP at same position, until 06 Dec 18. **LEMD 10-1/to-note, E LO-5/2D3C, E LO-6/8AB**.

## SWITZERLAND

## ATS ROUTES changed:

A1, [SPR14] (N4637.4 E00611.5) withdrawn, St Prex VORDME (SPR) - DINOX, 18NM. **LSGG 10-1**.  
 T626 estbl'd; DOUCI NCRP estbl'd 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 estbl'd; 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**.  
 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**.  
 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

LT(P)-AREA redesignated LT(R)-33. **E LO-14/10C**.

## U.K.

## ATS ROUTES changed:

Dover VOR (DVR) removed from ATS routes. **EGLL 10-1, E LO-3/3B4A**.  
 L179, GILTI (N5134.2 E00203.3) to Lambourne VORDME (LAM), CDR 13. **EGLL 10-1, E LO-3/3B4A**.  
 L620, NIBDA NCRP estbl'd at N5100.9 W00055.0 and NOVMA NCRP estbl'd 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**.  
 N19, BEKDA (N5047.8 W00232.8) renamed ADKIK. **E LO-3/2B**.  
 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**.

## EUROPE

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.**

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.**

<b>TERMINAL CHARTS</b>
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**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/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 Donauwoerth to Donauwoerth, Dusseldorf to Duesseldorf, Lubeck to Luebeck, Monchengladbach to Moenchengladbach, Nurnberg to Nuernberg, Schonefeld to Schoenefeld, 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.

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

Substitution works for NDB AMN (based on SUP 56/18). 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.

**Amendola**, Italy, (Amendola Mil), (14-5/14-6) CIRCLING TACAN/CIRCLING HI-TACAN 1: Amendola Precision (PAR) 123.3 withdrawn.

**Ancona**, Italy, (Falconara), (10-3/3A/3D/3E) From 1 August until 11 August and from 13 August until 19 August 2018 due to gliding competition following SID crossings raised FL125: for ERLIT 5H/5J/5K/5N/5P at ERLIT.

**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 airport (based on SUP 30-17, eff 1 Mar 2018 based on SUP 19-18). Refer to temp charts 10-8/10-8A and latest NOTAMS.

## EUROPE

- 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 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).
- Barrow**, U.K., (Walney Island), Information frequency changed from 123.2 to 123.205.
- Basle-Mulhouse**, France, TWY D closed between TWY B and RWY 15/33 (based on SUP 97-18). During LVP exit RWY via thresholds. Refer also to latest NOTAMS.
- Beauvechain**, Belgium, (Beauvechain AB), MDA(H) for RNAV (GNSS) RWY 04L (12-1) approach lowered from 780' (422') to 750' (392'). Minimums not affected from this change.
- Benbecula**, U.K., Approach and Tower frequency 119.2 MHz changed to 119.205 MHz.
- 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).
- Bordeaux**, France, (Merignac), Works on apron (based on SUP 74-18). Refer to temp chart 10-8 and latest NOTAMS.  
Works on apron D and F (based on SUP 127-18). Refer to chart 10-8A and latest NOTAMS.
- Bornholm**, Denmark, (Ronne), Approach frequency 118.32 MHz changed to 118.325 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), For construction works information and temporary straight-in apch minimums refer to 10-8 pages and latest NOTAMS (based on SUP 23-18).  
Rwy 25R PAPI-L changed to PAPI-R.  
Twy W22 MAX wingspan 118' (36m).
- 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.
- Carlisle**, U.K., (10-9) Airport info, Rwy 06/24 width extended to 131'/40m, equipped with 30m grooved surface with 16'/5m ungrooved edges. Rwy 06: LDA extended to 4888'/1490m, TORA intersection from Twy D reduced to 3100'/945m, TORA intersection from Twy C reduced to 2451'/747m. CAUTION: Rwy 06 thresh is not visible from Rwy 24 thresh.
- Celle**, Germany, (Celle Army), (10-3, 10-3B, 10-3C) Add IATA code: ZCN.
- 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.
- Cranfield**, U.K., ATIS frequency 121.875 MHz changed to 121.880 MHz. Approach frequency 122.850 MHz changed to 122.855 MHz. Tower frequency 134.925 MHz changed to 134.930 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.  
(10-9B) Construction works (based on SUP 12-16) between pier 3 and 4. During phase A a temporary stand 401T (N53 25.5 W 006 14.6) will be installed. To be used as push in and tow out. A temporary TugRelease Point, TRP X, will be installed on AT5, between stands 402L and 401R.  
(12-3) RNAV (GNSS) Rwy 34: Due to erection of crane LNAV/VNAV DA(H) raised to CAT B 570' (368'), RVR with ALS 1500m.
- Construction works on apron adjacent Apron TWY 6 (based on SUP 003-18), Eff 01 Apr 2018. Refer to temp chart 10-8D and latest NOTAMS.
- Construction works on apron TWY 5 (based on SUP 012-17), Eff 12 Oct 2017. Refer to temp charts 10-8B and 10-8C and latest NOTAMS.
- Construction works on Rwy 10/28 and Rwy 16/34 (based on SUP 014-17). Refer to temp chart 10-8/10-8A and latest NOTAMS.
- Construction works take place from 0800-1900 and 2330-0530 LT on rwy 10/28. Refer to latest Notams.
- Temp procedure (13-01) VOR T Rwy 28 established. For details refer to temp charts 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.
- Durham Tees Valley**, U.K., ATIS frequency 132.375 MHz changed to 132.380 MHz.
- 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').
- 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.

## EUROPE

**Evora**, Portugal, ALS Rwy 19 out of service (based on SUP 015-18, from 21-Jun-18 based on SUP 026-18).

**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.

**Florence**, Italy, (Peretola), (10-2B/2C/2K/2L) From 1 August until 11 August and from 13 August until 19 August 2018 due to gliding competition following STAR MEAs raised to FL90: for IBRID 1P/1Q between IBRID-RQ417, for IBRID 2D/2X between IBRID-D15.0 PRT.

(10-2E/2F) From 1 August until 11 August and from 13 August until 19 August 2018 due to gliding competition following STAR MEAs raised to FL110: for GAVRA 3P/3Q between GAVRA-RQ412, for GAVRA 1W between GAVRA-PRT.

(10-2G/2J/2L) From 1 August until 11 August and from 13 August until 19 August 2018 due to gliding competition holding over PRT VOR: speed restriction is MAX 230 KT.

(10-3C/3G) From 1 August until 11 August and from 13 August until 19 August 2018 due to gliding competition following SID crossings raised FL110: for GAVRA 5H at PRT R-092/D6, for GAVRA 5Mat PRT. Eff 18 Aug 18.

During GLIDING COMPETITION 2018 from 1 until 11 August and 13 until 19 August 2018 maximum holding altitude for holding over R-169/D17.0 PRT changed to 4000' on ILS Z or LOC Z RWY 05 (11-1), RNAV (GNSS) Z RWY 05 (12-1), RNAV (GNSS) Y RWY 05 (12-2) and VOR RWY 05 (13-1) and MAX speed for holding over PRT VOR changed to 230KT on ILS Z or LOC Z RWY 05 (11-1), ILS Y or LOC Y RWY 05 (11-2) and VOR RWY 05 (13-1).

**Floro**, Norway, FLORO Information freq 121.850 withdrawn.

**Frankfurt/Main**, Germany, Construction area established Northwest of threshold 18, North of twy P1. Left side of parking stand F238.

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.

**Friedrichshafen**, Germany, Taxiway S closed.

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

**Gibraltar**, Gibraltar, Callsign for Gibraltar Approach changed to Gibraltar Radar.

**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.

**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.

**Hammerfest**, Norway, Rwy 05/23 is grooved.

**Hannover**, Germany, Construction works on rwy 09R/27L. Rwy will be closed completely.

The following TWYs and movement areas will be also closed:

- Twy A between TWY C and RWY 09R and between intersection A2 and RWY27L
- TWY B
- TWY C between TWY A and RWY 09R/27L
- TWY D
- Helicopter landing area H1

Refer to latest NOTAMS.

Stand 28 push-back required.

**Helsinki**, Finland, (Vantaa), (10-8) Construction works on apron 1, phase 1B (based on SUP 046-18) and (10-8A) construction works on apron 1N, Phase 2 (based on SUP 101-18). Refer to temp charts and latest NOTAMS.

For construction works on apron 1 (based on SUP 27-18) refer to temporary chart 10-8 and latest NOTAMS.

**Huesca**, Spain, (Pirineos), REIL RWY 12R unserviceable (based on SUP 51/17, with eff date 7 DEC 17: SUP 120/17).

REIL RWY 30L unserviceable (based on SUP 57/17, with eff date 7 DEC 17 SUP 121/17).

**Hyerres**, France, (Le Palyvestre Navy), HYERES Final callsign changed to TOULON Precision. Frequency, service and hours of operation unchanged.

**Ibiza**, Spain, Works in the manoeuvring area (based on SUP 105-17). Use CAUTION due to incomplete lighting and due to the presence of personnel and machinery. The works have the following impact: PHASE 1 - Closure of TWY G, PHASE 3 - Closure of TWY F, PHASE 5 - Closure of TWY D. PHASES 2, 4 and 6 take place outside of operational hours. Works on apron (based on SUP 90/17). PHASE 1: Gate A closed. PHASE 2: Central TWY of the General Aviation apron in the east are closed. PHASE 3: Central TWY of the General Aviation apron in the central area closed. PHASE 4: General Aviation apron 3 closed.

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

**Istres**, France, (Le Tube AB), All IAPs available for civil a/cft.

## EUROPE

- RNAV (GNSS) Rwy 15 (Final apch) (chart 12-1A): LNAV minimums for civil acft established as follows:  
CAT A DA/MDA(H) 490'(413'), RVR 1500m, ALS out RVR 1500m;  
CATB DA/MDA(H) 590'(513'), RVR 1600m, ALS out RVR 1600m;  
CAT C DA/MDA(H) 690'(613'), RVR 2400m, ALS out RVR 2400m;  
CAT D DA/MDA(H) 790'(713'), RVR 3600m, ALS out RVR 3600m.
- 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.
- Ivalo**, Finland, (10-9) Construction works Phase 1 are carried out on southern part of apron and on twys D and E (based on SUP 49-18). Stands 3A, 3B and 4 are not in use. Closed areas are marked with flags, cones and temporary lights.
- Jerez**, Spain, Works on Aprons A1 and A3 (based on SUP 126-17). Refer to temp chart 10-8 and latest NOTAMs.
- Karlstad**, Sweden, (10-2) Outer marker RWY 03 out of service.  
(11-1) ILS or LOC Rwy 03, OM is out of service.
- Kassel**, Germany, (Calden), (10-9) Rwy 09 and 27 SFL available.
- 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, (Hoybuktkmoen), (12-1) RNAV (GNSS) Rwy 06 and (12-2/12-2A) RNAV (GNSS) Rwy 24: LPV minimums suspended.
- Kittilä**, Finland, (10-9) Construction works Phase 2 are carried out on southern, northern and eastern parts of apron (based on SUP 88-18). Stands 1, 3, 4 and 6 are not in use. Closed areas are marked with flags, cones and temporary lights.
- 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.
- Laage**, Germany, (Rostock-Laage), Construction works on TWY M. Refer to temp page 10-8 (available with rev 27 JUL 18) and the latest NOTAMs.
- Landivisiau**, France, (Landivisiau Navy), LANDI Final callsign changed to LANDI Precision. Frequency, service and hours of operation unchanged.
- Laupheim**, Germany, (Laupheim Army), (18-1, 18-2) EFF 23 Aug 2012 LIMA Radar frequency chgd from 119.1 MHz to 120.45 MHz.
- Le Mans**, France, (Arrage), 24 hours race of Le Mans (based on SUP 069/18), please refer to 10-8 and latest NOTAMs.
- Lelystad**, Netherlands, For rwy and twy situation (based on SUP 01-18) refer to temp chart 10-8 and latest NOTAMs.
- 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 on LVP. 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.
- Lisbon**, Portugal, (11-1) ILS or LOC RWY 03: Minimums for ILS approach with FULL lights changed to RVR 800m.  
ATIS frequency 124.150 MHz for arrival only, with D-ATIS capability.  
Rwy 17/35 closed for take-off and landing (based on SUP 020-18). Refer also to latest NOTAMs.
- Leida**, Spain, (Alguaire), Outside ATS hrs: Air to Air Self information on 121.325.
- London**, U.K., (Heathrow), (10-3F) 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. Eff 4 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 26-18, 7 JUN 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), ATIS frequency 120.575 MHz changed to 120.580 MHz. Tower frequency 132.550 MHz changed to 132.555 MHz. Ground frequency 121.750 MHz changed to 121.755 MHz.
- Lorient**, France, (Lann-Bihoue Navy), (10-2D) STARs ARE, BAGAD & LENSU 1R, on arc segment to ROKAL IAF should read D17.0 BH Arc instead of D17.0 LOR Arc.

## EUROPE

All civil PAR approaches withdrawn.

**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. Act Code E and higher should adjust steering accordingly.

**Madrid**, Spain, (Adolfo Suarez 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.

Due to presence of obstacle minimums for VOR RWY 18L (13-1) raised as follows: CAT A DA(H) 2720' (722') RVR 1500m, CAT B DA(H) 2860' (862') RVR 1500m, CAT C DA(H) 3280' (1282') CMV 5000m, CAT D 3620'(1622') CMV 5000m and Circling VIS for CAT C&D raised to 5000m (based on SUP 15-18).

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

Works for lighting installation on TWYs (based on SUP 64-18). Refer to temp charts 10-8F thru 10-8L and latest NOTAMs.

Works for lighting installation on TWYs (based on SUP 93-18). Refer to temp charts 10-8W thru 10-8Z4 and latest NOTAMs.

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.

Works on Terminal T4S (based on SUP 36/18). Refer to temp page 10-8 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 A25, A26 and A27 (based on SUP 59-18). Refer to temp charts 10-8A thru 10-8D and latest NOTAMs.

**Madrid**, Spain, (Getafe), IAP VOR Rwy 05 (chart 23-1) not available.

**Madrid**, Spain, (Torrejon), Following facilities out of service: ABN, REIL RWY 04, 04D & 22 and retractable cable barrier bidirectional LETO 03-C-B.

**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 098/17, with eff date 7 DEC 17: SUP 132/17). Refer to temp chart 10-8 thru 10-8K and latest NOTAMs.

TWY G-11 closed (based on SUP 123/17).

**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. Construction works on Twys B and C (based on SUP 039-18). Refer to temp chart 10-8 and latest NOTAMs.

Link AF and rapid exit TWY AE pavement rehabilitation (based on SUP 003-18). Refer to temp chart 10-8 and latest NOTAMs.

**Marseille/Provence**, France, Construction works on apron in progress (based on SUP 044-18). Refer to temp charts 10-8E thru 10-8J and latest NOTAMs.

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

**Menorca**, Spain, REIL RWY 01 unserviceable (based on SUP 95-18).

**Mikkeli**, Finland, (16-2) MSA raised in Sector NW to 2000'

**Milan**, Italy, (Malpensa), Ground North frequency 121.9 MHz withdrawn. Tower rwy 17L/35R frequency, 119.0 MHz, now PTO.

**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 cft 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, PAPI-L Rwy 30R (angle 3.00°) available.

**Muenster-Osnabrueck**, Germany, ILS or LOC Rwy 25 (11-2, 11-2A) unavailable during WIP.

(SID/STARs) MSA based on ARP applicable to German territory only.

**Murcia**, Spain, (Alcantarilla AB), ATR NDB withdrawn. IAP NDB Rwy 07 (chart 26-1) withdrawn.

**Murcia**, Spain, (San Javier), REIL rwy 05R/23L withdrawn. TWR frequency 130.3 MHz withdrawn.



## EUROPE

- Naples, Italy, (Capodichino), (10-2/2D)** From 1 August until 11 August and from 13 August until 19 August 2018 due to gliding competition following STAR MEAs raised to FL130: for AMSOR 1A, 2F between AMSOR and BENTO. (10-3P) From 1 August until 11 August and from 13 August until 19 August 2018 due to gliding competition following SID crossings raised FL125: for MOLUX 5A at SOR R-024/POM R-138, for MOLUX 8B at POM R-238/238 bearing/D21. Works on airport area. Refer to temporary charts 10-8, 10-8A and latest NOTAMS.
- Newquay, U.K., Circling MDA(H) Cat B** changed to 1200'(810')
- Nice/Cote D'Azur, France, Experiment of Continuous Descent Operations (CDO) on RWY 04** (based on SUP 041/18). Refer to temp chart 11-0A and latest NOTAMS.
- Nuernberg, Germany, For construction works information** (based on SUP 21-18) refer to 10-8 and latest NOTAMS. The effective date for new nomenclature will be published by NOTAM.
- Orange, France, (Caritat AB), ORANGE GCA callsign** changed to ORANGE Precision. Frequency, service and hours of operation unchanged.
- 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. 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. Ground frequency WEST changed from 121.6 to 121.605. Ground frequency EAST changed from 121.9 to 121.905.
- Ovar, Portugal, (Ovar AB), Following movement areas closed:** Twy C, intersection between Twys C and M, South entry to Apron 4.
- Paris, France, (Charles-De-Gaulle), Closure and restrictions of use of taxiways** due to rehabilitation work in the North-West of the aerodrome (based on SUP 20-18). Refer to temp charts 20-8E/8F and latest NOTAMS.
- 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.
- 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.
- Pau/Pyrenees, France, Works on apron G and twys** (based on AIRAC SUP 241-17). Refer to temp charts 10-8 and 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** Minimums changed as follows:  
LNAV/ VNAV (MACG 3.5%): DA(H) AB: 385' (250'), CD: 395' (260') - RVR 800m, ALS out: RVR 1300m.  
LNAV/ VNAV (MACG 2.5%): DA(H) AB: 385' (250'), C: 395' (260') - RVR 800m, ALS out: RVR 1300m; D: DA(H) 445' (310') - RVR 1000m, ALS out: RVR 1400m.  
LNAV: DA/MDA(H) 490' (355') - RVR 1200m, ALS out: AB: RVR 1500m, CD: RVR 1600m.
- Perugia, Italy, (San Francesco), During GLIDING COMPETITION 2018** from 1 until 11 August and 13 until 19 August 2018 maximum holding altitude over RETKU changed to 5000' on ILS Z or LOC Z RWY 01 (11-1), ILS Y or LOC Y RWY 01 (11-2), VOR Z RWY 01 (13-1) and VOR Y RWY 01 (13-2). From 1 August until 11 August and from 13 August until 19 August 2018 due to gliding competition refer to temp charts 10-2B thru 10-2E, 10-3F thru 10-3M and latest NOTAMS.

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- Pescara, Italy, (10-2E/2G)** From 1 August until 11 August and from 13 August until 19 August 2018 due to gliding competition following STAR MEAs raised to FL130: for ATRUP 1N between ATRUP-PES R-257/D7, ATRUP 1P/1Q between ATRUP-077° bearing to PES/D7 PES.
- (10-3/3A/3D/3E)** From 1 August until 11 August and from 13 August until 19 August 2018 due to gliding competition following SID crossings raised FL125: for ASPIR5F/5G at PES R-231/D7, for ASPIR 5H/5J at 231° bearing from PES/D7 PES.
- Rheine, Germany, (Bentlage Army), (18-1)** BENTLAGE Radar frequency 123.3 withdrawn.
- Rochefort, France, (Charente-Maritime),** Airport name changed to Charente-Maritime.
- Rome, Italy, (Ciampino), (20-2/2G/2J)** From 1 August until 11 August and from 13 August until 19 August 2018 due to gliding competition following STAR MEAs raised to FL130: for ELKAP 1H, GITOD 1F/1G between GITOD-TIBER, for MOPUV 3F between MOPUV-PEMAR, for MOPUV 3G between MOPUV-RA413. MHA over TIBER is FL130.
- (20-3/3P)** From 1 August until 11 August and from 13 August until 19 August 2018 due to gliding competition following SID crossings raised FL125: for OKUNO 7G/5Z, PEMAR 7A, 5Z at PEMAR.
- 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), (10-2A/2E/2F/2J/2K/2P/2V/2X/2X5)** From 1 August until 11 August and from 13 August until 19 August 2018 due to gliding competition following STAR MEAs raised to FL130: for MOPUV 2A/2B/1K between MOPUV-RF412, for MOPUV 2C/2R between MOPUV-LAT, for MOPUV 2D between MOPUV-BASBU, for MOPUV 2E between MOPUV-RF401, MOPUV 2P between MOPUV-D11 ROM. MHA over RAVUX is FL130.
- (10-3V/3W)** From 1 August until 11 August and from 13 August until 19 August 2018 due to gliding competition following SID crossings raised FL125: for OKUNO 5A/6B/5C at RF513, for TIBER 7A/6B/5C at RF516.
- Rotterdam, Netherlands,** Construction works on Rwy (based on SUP 008-18). Refer to temporary 10-8 and latest Notams.
- 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.
- Santiago, Spain, Works on Twys E3 and T (between Twys E1 and D3)** (based on SUP 116/17). Refer to temp chart 10-8/10-8A and 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.
- Seville, Spain, (Moron AB),** During RWY 02/20 resurfacing (based on SUP 69-18) refer to temporary chart 20-8 and latest NOTAMS.
- 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. Eff 13 Sep 18.
- Shawbury, U.K., (Shawbury AB), (11-2)** Copter VOR ILS DME Rwy 18, inbound fix D7.0 ISHY withdrawn, SMA before FAF increased to 1210' (968'). (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').
- Sitia, Greece, (Vitsentzos Kornaros), (STARs/SIDs)** Add note: DME Required.
- Southend, U.K.,** Approach frequency changed from 130.775 to 130.780.
- St Yan, France, (10-1R)** Several sectors revised.
- 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.
- Stornoway, U.K.,** Approach frequency 123.5 MHz changed to 119.480 MHz.
- Strasbourg, France, (Entzheim),** Works on Arpon A (based on SUP 94-18). During Phase 3.1: Stands A19 and A21 thru A28 closed. During Phase 3.2: Stands A1 thru A5 closed. During Phase 3.3: Stands A1 thru A4 closed. Refer also to latest NOTAMS.
- 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.

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- Thessaloniki**, Greece, (Makedonia), RWY 10L/28R and several charts (STARs, SIDs, IACs): 10-2H, 10-2J, 10-2K, 10-2L, 10-3H, 10-3J, 13-4, 13-5 will not be in use, unless activated by NOTAM.
- Toulouse**, France, (Blagnac), CAUTION-note for IAPs ILS or LOC Rwy 14L (Final apch), chart 11-1B, ILS or LOC Rwy 14R (Final apch), chart 11-2B, CAT II/III ILS Rwy 14R (Final apch), chart 11-2C, and ILS or LOC Rwy 32L (Final apch), chart 11-3B: "Fake signals may be generated along the GP slope before overflying the FAP."
- Toulouse**, France, (Franccazal), 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.
- Construction works on airport (based on SUP 53-18). Refer to temp chart (10-8) and latest notams.
- Valencia**, Spain, (Manises), Construction works on airport. Refer to temp pages 10-8/10-8A and 10-8B/10-8C and latest NOTAMs.
- Vienna**, Austria, (Schwechat), (11-1 thru 11-5 and 12-20 thru 13-2) WIEN Radar (APP) freq 124.550 withdrawn.
- ATIS Arrival changed to 122.955 MHz. ATIS Departure changed to 121.730 MHz.
- Vigo**, Spain, Works on apron and TWY C1 (based on SUP 12-18). 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).
- 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.
- (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), Construction works on airport area. 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 114-2017)
- 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 works between south of twy E and Maintenance Hall 3. Refer to temp chart 10-8B and latest NOTAMs.
- Taxiway G closed due to WIP North of taxiway E1. Refer also to latest NOTAMs.