

NEGARA BRUNEI DARUSSALAM

AERONAUTICAL INFORMATION					
AERODROME		PRE-FLIGHT INFORMATION BULLETIN			
Briefing Id	B0200002	Date/Time	02FEB20 1229		
Period		03FEB20 0000 TO 03FEB20 2359			
Briefing includes BIRDTAM ASHTAM NOTAM					
Subject		Purpose	+B +BO +NB +NBO +M +NM	Traffic	+I +IV
AERODROME	WBSB WBAK WBKK WBKL WBKS WBGB WBGJ WBGR WBGS WBKW WBMU WBGG WMKK WMKJ WAAA WIHH WADD WARR				

AIS INFORMATION

WBSB (BRUNEI INTL)

AGA	B) 1709250218 E) RELOCATING OF HOLDING POINT E1 STOPBAR TO NEW LOCATION AT 045720N 1145614E.	C) PERM	(B0675/17)
AGA	B) 1311150615 E) STAND 1 CONCOURSE AND AEROBRIDGE IS SERVICEABLE	C) PERM	(B0137/16)
CNS	B) 2001280010 E) ILS GP FREQ 333.2MHZ RWY21 U/S	C) 2002280830	(B0076/20)
OTH	B) 1912310725 E) RVR (RWY VISUAL RANGE) U/S.	C) 2012312359	(B0939/19)
OTH	B) 1407260100 E) ALL ACFT ARE ADZ TO USE NEW LEAD-IN-LINE FOR STAND 1	C) PERM	(B0138/16)
OTH	B) 1309282200 E) ALL ACFT ADZ TO USE NEW LEAD IN LINE FOR STD 2	C) PERM	(B0136/16)
OTH	B) 1309172300 E) ALL ACFT ARE TO USE NEW LEAD IN LINE FOR STAND 5,6 AND 7	C) PERM	(B0135/16)
OTH	B) 1309102300 E) ALL ACFT ARE ADZ TO USE NEW LEAD IN LINE FOR STD 8.	C) PERM	(B0134/16)
OTH	B) 1211150000 E) BRUNEI DARUSSALAM WILL ONLY ACCEPT SUBMISSION OF FPL AND ATS MESSAGES IN NEW FORMAT FILED IN ACCORDANCE WITH AMENDMENT 1 TO THE 15TH EDITION OF PANS-ATM DOC 4444. FPL AND ATS MESSAGES IN PRESENT FORMAT WILL BE REJECTED AND AS A CONSEQUENCE SUCH FLIGHTS WILL BE DELAYED.	C) PERM	(B0133/16)

WBAK ()

AGA	B) 1912310500 E) BIRDS CONCENTRATION IN THE VICINITY OF THE RWY AND AD. PILOT TO EXER CTN DRG LDG AND TKOF.	C) 2006302359	(B0933/19)
AGA	B) 1911290600 E) BRUNEI SHELL PETROLEUM HEADQUARTERS HELIPAD (043630N 1141717E) PERMISSION REQUIRED PRIOR FOR LANDING, NIGHT OPERATIONS FOR BSP SAR ONLY.	C) PERM	(B0871/19)
AGA	B) 1901160654 E) KB HELIPAD (043523N 1141106E) OPEN PRIOR PERMISSION REQUIRED FOR LDG	C) PERM	(B0025/19)
AGA	B) 1901160641 E) PANAGA HEALTH CENTRE HELIPAD (PHC) COORD 043639N1141805E CLSD.	C) PERM	(B0024/19)
OTH	B) 2002020630 D) H24 E) PRESENCE OF CRANE OPS WITH HGT 60FT AT E-10, BRUNEI SHELL PETROLEUM HELIPAD (043630N 1141717E). LIT AT NGT. PILOT TO EXER CTN.	C) 2002082359	(B0092/20)
OTH	B) 2002020600 D) H24 E) PRESENCE OF LAND RIG FLUX SRD 1 WITH HGT 128FT (34M) AT F-26 (WELL S-696) COORD 043712N1142100E EAST OF SCOT (SERIA CRUDE OIL TERMINAL AREA). LIT AT NGT. PILOT TO EXER CTN.	C) 2002122359	(B0093/20)
OTH	B) 2002020600 D) H24 E) BRUNEI SHELL PETROLEUM HEAD OFFICE HELIPAD (043630N 1141717E) CLSD	C) 2002082359	(B0091/20)

DUE TO LAND RIG ACTIVITY IN THE VICINITY. LIT AT NGT. PILOT TO EXER CTN.

OTH	B) 2002011425 E) PRESENCE OF OFFSHORE JACK-UP RIG 'MAERSK CONVINCER' WITH CRANE HGT 200FT AMSL, DECK HGT 125FT AMSL AT KAPAYANG (044750N1141909E). LIT AT NGT. PILOT TO EXER CTN.	C) 2003312359 	(B0087/20)
OTH	B) 2002011415 E) PRESENCE OF OFFSHORE DRILLING RIG DEEP DRILLER 5 (DD5) AT FBWJ01 FAIRLEY BARAM WITH HGT 275FT AMSL (044810N1135831E). LIT AT NGT. PILOT TO EXER CTN.	C) 2003312359 	(B0086/20)
OTH	B) 2002010450 D) H24 E) PRESENCE OF HOIST JO-3 WITH HGT 105FT PSN AT E26 500M EAST OF SERIA CRUDE OIL TERMINAL ALONG THE BEACH COORD 043710N1142030E. LIT AT NGT. PILOT TO EXER CTN.	C) 2002062359 	(B0085/20)
OTH	B) 2002010001 E) PRESENCE OF OFFSHORE DRILLING RIG, DEEP DRILLER 5(DD5) WITH HGT 275FT AMSL AT FBWJ01 FAIRLEY BARAM PSN 045150N1135625E. RMK/ PILOT TO EXER CTN AND LIT AT NGT.	C) 2002292359 	(B0082/20)
OTH	B) 2002010001 E) PRESENCE OF OFFSHORE JACK-UP RIG, MAERSK CONVINCER CRANE HGT 200FT AMSL, DESK HGT OF 125FT AMSL AT KAPAYANG PSN 044750N1141909E. RMK/PILOT TO EXER CTN AND LIT AT NGT.	C) 2002292359 	(B0081/20)
OTH	B) 2001272327 E) PRESENCE OF OFFSHORE BARGE 'BELAIT CSS-02' WITH HGT APRX 180FT (DECK 99FT) AMSL AT PSN 051434.8N1144128.8E (CHAMPION WEST). LIT AT NGT AND PILOTS TO EXER CTN.	C) 2002292359 	(B0075/20)
OTH	B) 2001240001 E) PRESENCE OF OFFSHORE BARGE 'BELAIT CSS-01' WITH DECK HGT 99FT AMSL AT AMDP-24 COORD 043954N1140954E. LIT AT NGT. PILOT TO EXER CTN.	C) 2002292359 	(B0072/20)
OTH	B) 2001240001 E) PRESENCE OF OFFSHORE RIG DEEPWATER NAUTILUS WITH HGT 150FT AMSL, PSN 051959N1135551E. LIT AT NGT. PILOT TO EXER CTN.	C) 2003312359 	(B0071/20)
OTH	B) 1912310545 E) KB HELIPAD WINDSOCK LGT (043523N1141106E) U/S.	C) 2006302359 	(B0935/19)
OTH	B) 1912310500 E) PRESENCE OF WHITE COLOUR MARKERS LOCATED FM THR LEFT HAND SIDE OF RWY05 DIST OF 100M, 200M, 300M, 400M AND ON LEFT HAND SIDE OF RWY23 DIST OF 100M, 200M AND 300M.	C) 2006302359 	(B0934/19)
OTH	B) 1910060245 D) H24 E) PRESENCE OF YELLOW COLOUR WEIGHT WITH DIMENSION OF ABT 24INS X 24INS WITH WEIGHT OF 500LB LOCATED AT THE EAST SIDE OF ENTRANCE TWY C GRASS AREA.	C) 2003312359 	(B0725/19)
OTH	B) 1808100500 E) KB HELIPAD AND BSP HQ HELIPAD LIGHTING HGT IS 40CM ABV GND LEVEL	C) PERM 	(B0682/18)
OTH	B) 1409010700 E) THE REMOTE SWITCH FUNCTION FOR AD GND LIGHTING (AGL) ON FREQ 122.1MHZ IS CURRENTLY OUT OF SERVICE DUE TO INSTALLATION OF THE NEW SWITCHBOARD PANEL	C) PERM 	(B0139/16)

WBKK (KOTA KINABALU)

AGA	B) 2001310803 E) TWY C CL LGT ON ALTN.	C) 2002052359 	(D0116/20)
AGA	B) 2001151021	C) PERM 	(D0058/20)

E) AVBL PRKG BAY FOR ACFT A21N ARE AS FOLLOWS:
BAY NR 2A,3A,5,7 AND 8

AGA	B) 1911281024 E) AUTOMATIC WEATHER OBSERVATION SYSTEM (AWOS) RWY20 U/S RMK: WIND VELOCITY, DIRECTON AND RVR INFO BY TWR OBS ONLY	C) 2002292359 EST	(D1257/19)
AGA	B) 1911210600 E) BEARING STRENGTH FOR TWY A,B,C,D,E,F,G,H,J,K,L,M AND N CHG TO PCN/82/F/C/X/T REF AIP MALAYSIA WBKK AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA PAGE AD-2-WBKK-1-4 ITEM NR 2	C) PERM	(D1239/19)
OTH	B) 2001220353 E) THREE (3) TOWER CRANE ERECTED IN THE VICINTY OF AD COORD 055445.9N 1160351E. HGT 96 METER (315FT AMSL) FLAGGED AND LGTD AT NGT RMK: LOCATED APPROX 2400M EAST OF THR RWY 02	C) 2004272359 EST	(D0080/20)
OTH	B) 1912301427 E) FOUR (4)TOWER CRANE ERECTED AT APPROACH AREA RWY 20. COORD 055820.86N 1160330.82E HGT 52 METER (170FT AMSL). FLAGGED AND LGTD AT NGT RMK/LOCATED APPROX 600 METER WEST OF EXTENDED RCL AT 2750M BFR THR RWY20 F) SFC G) 170FT AMSL	C) 2003312359 EST	(D1356/19)
OTH	B) 1912301424 E) PRESENCE OF TWO(2)TOWER CRANE LOCATED AT APPROACH AREA RWY20. AT COORD:05 58 21.2N 116 04 4.25E 3100 METER(3.1KM)FM RWY END. RMK/CRANE ARM MARKED WITH RED/WHITE FLAG AT PINNACLE AND LGTD AT NGT. F) SFC G) 240FT AMSL	C) 2003312359 EST	(D1355/19)
OTH	B) 1912301421 E) CRANE ERECTED AT COORD 055748.42N 1160411.41E (URBAN TRANSFORMATION CENTER BUILDING, KARAMUNSING, SABAH) F) GND G) 300FT AMSL	C) 2003312359 EST	(D1354/19)
OTH	B) 1912180645 E) THREE TOWER CRANES ERECTED HGT 300FT AMSL APRX 385M EAST OF RCL AT COORD: 055703N 1160338E (AEROPOD,TANJUNG ARU)	C) 2003312359 EST	(D1322/19)
OTH	B) 1911280544 E) CRANE ERECTED AT COORD 055710N 1160312E (PLAZA TANJUNG ARU) F) SFC G) 300FT AMSL	C) 2002292359 EST	(D1252/19)

WBKL (LABUAN)

AGA	B) 2001220908 E) NORTHERN CABLE U/S.	C) 2002292359	(D0081/20)
AGA	B) 1912291350 E) UNEVEN RWY SFC RMK: 1. RWY 32 FM THR MARKER TIL 1500FT 2. RWY 14 FM THR MARKER TIL 3000FT PILOT TO EXER CTN DRG TKOF AND LDG.	C) 2003312359	(D1345/19)
AGA	B) 1912291346 E) TWY B CLSD	C) 2003312359	(D1344/19)
AGA	B) 1912221000 E) NORTHERN BARRIER U/S	C) 2003222359	(D1331/19)
AGA	B) 1912030957 E) BAY NR 2 CLSD DUE TO WIP	C) 2002042359	(D1271/19)
AGA	B) 1912020030 E) SOUTHERN CABLE U/S.	C) 2002292359	(D1270/19)

CNS	B) 2002030000 E) RADAR WITHDRAWN FOR MAINT	C) 2002162359	(D0108/20)
OTH	B) 1912180628 E) DIST TO RUN MARKER BOARD FOR RWY 14 AND RWY 32 U/S.	C) 2003182359	(D1321/19)

WBKS (SANDAKAN)

AGA	B) 2002020430 E) VDGS BAY 2 U/S, FOLLOW MARSHALLER	C) 2002040030	(D0120/20)
AGA	B) 2001100200 E) GENERAL HELIPAD CLSD DUE TO CONSTRUCTION WORK.	C) 2004101600	(D0021/20)

WBGB (BINTULU)

AGA	B) 1911170000 E) PAPI RWY 35 U/S.	C) 2002142359	(D1214/19)
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WBGJ (LIMBANG)

AGA	B) 2001060407 E) WDI RWY 22 U/S	C) 2004062359	(D0011/20)
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WBGR (MIRI)

AGA	B) 2001210000 D) DLY BTN 0000 - 0900 E) PRESENT OF HEAVY MACHINERIES AT COORD 041827.75N 1135853.89E (SOUTH SUB-STATION) TO 041810N 1135840.89E (NEW DVOR SITE) ALONG PERIMETER ROAD RWY 02 RMK:PILOT TO EXER CTN ON LDG	C) 2002200900	(D0075/20)
AGA	B) 1911190454 E) TO ENABLE ATC TO APPLY MNM SPACING ON FNA THAT WILL ACHIEVE MAX RWY UTILISATION AND MINIMISE THE OCCURRENCE OF 'GO-AROUNDS'. LDG ACFT SHALL EXIT THE LDG RWY WO DLA AT THE FIRST SUITABLE EXIT TWY OR AS INSTRUCTED BY ATC. ACFT LDG RWY 02 THAT IS UNABLE TO EXIT THE LDG RWY VIA AVBL EXIT TWY SHALL STOP AND REVERSE COURSE ON THE RWY ASAP. ACFT THAT NEED TO PROCEED TO THE END OF THE RWY AND REVERSE COURSE ON THE TURNING PAN SHALL INFORM ATC BFR LDG.	C) 2002282359 EST	(D1232/19)
CNS	B) 1912310721 E) VMI/VOR 112.4MHZ/CH71X U/S	C) 2003312359	(D1360/19)
OTH	B) 1912300647 D) 1530-2130 E) MOBILE CRANE OPS 570M FM THR RWY20 LEFT AND RIGHT. CRANE HEIGHT :150 FT RMK:DLA SCHEDULED FLIGHTS MIGHT BE OPR BEYOND OPS HR	C) 2003312130 EST	(D1353/19)
OTH	B) 1911290300 D) DLY 0300 - 0900 E) PILING MACHINE ERECTED WITH HGT 33FT AT COORD 041810.82N 1135840.89E	C) 2002290900	(D1267/19)
OTH	B) 1911061258 E) CRANE ERECTED 120FT AMSL AT 042026.56N 1135934.47E 760M FM THR RWY20.	C) 2002062359	(D1181/19)

WBGs (SIBU)

AGA	B) 1911121400 E) TO ENABLE ATC TO APPLY MNM SPACING ON FNA THAT WILL ACHIEVE MAX RWY UTILISATION AND MINIMISE THE OCCURRENCE OF 'GO-AROUNDS' LDG ACFT SHALL EXIT THE LDG RWY WO DLA AT THE FIRST SUITABLE EXIT TWY OR AS INSTRUCTED BY ATC. ACFT LDG RWY 13 THAT IS UNABLE TO EXIT VIA AVBL EXIT TWY SHALL STOP AND REVERSE COURSE ON THE RWY ASAP. ACFT THAT NEED TO PROCEED TO THE END OF THE RWY AND	C) 2002131400 EST	(D1199/19)
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REVERSE COURSE ON THE TURNING PAN SHALL INFORM ATC BFR LDG

CNS	B) 2001110241 E) NDB NIS FREQ 203KHZ PERMANENTLY WITHDRAWN	C) PERM	(D0029/20)
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WBKW (TAWAU)

AGA	B) 2001310212 E) CRACK ON TWY A : MEASURING 1M X 1M ,DIST 120M FM TWY A HLDG POINT MARKING. PILOT TO EXER CTN	C) 2002280000	(D0113/20)
AGA	B) 2001310212 E) PAVEMENT DEPRESSION MEASURING 1M X 1M , DIST 70M FM APN BAY1 SAFETY LINE MARKING.	C) 2002280000	(D0114/20)

WBMU (MULU)

AGA	B) 1912270000 E) BIRD CONCENTRATION ALONG RWY AND APCH RWY 03	C) 2003270800 EST	(D1341/19)
AGA	B) 1912270000 D) 0000-0800 E) AD OPS HR CHANGE FM HJ TO 0000-0800	C) 2003270800 EST	(D1340/19)
AGA	B) 1911290146 E) CRACK SFC ARE PRESENT ALONG THE TWY ON THE RIGHT AND LEFT SIDE. RMK:1 PILOT TO EXER CTN DRG TAX IN/OUT. 2 AREA RIGHT AFT/BFR HLDG POINT OF ROUGHLY EST BTN 15M TO 35M AND NOT MARKED.	C) 2002292359 EST	(D1258/19)
CNS	B) 2001170305 E) NDB MZU FREQ 505KHZ PERMANENTLY WITHDRAWN	C) PERM	(D0066/20)
CNS	B) 1911290149 E) DVOR VZU FREQ 112.8MHZ CH 75X U/S	C) 2002292359 EST	(D1260/19)

WBGG (KUCHING)

AGA	B) 1912302207 E) TWY A1 CLSD	C) 2003311000	(D1359/19)
AGA	B) 1912302206 E) SFC DEPRESSION ON TWY F	C) 2003311000 EST	(D1358/19)
AGA	B) 1912302203 E) ACFT UPON LDG RWY 25 AND VACATING VIA TWY A3 SHALL NOT MAKE A RIGHT TURN ONTO TWY A AND PCD TO CARGO APN EXC FOR LGT ACFT.	C) 2003311000 EST	(D1357/19)
AGA	B) 1912192359 E) TWY D AND E EDGE LGT U/S RMK:LTD LGT USING PORTABLE LGT SYSTEM WILL LAYOUT UPON REQ MNM 2 HRS	C) 2003192359	(D1318/19)
AGA	B) 1912190446 E) RMAF APN LGT U/S RMK: LTD LGT USING PORTABLE LGT SYSTEM WILL LAYOUT UPON REQ MNM 2 HR BFR. PILOT TO EXER CTN	C) 2003192359 EST	(D1328/19)
AGA	B) 1912190437 E) EDGE LGT TWY D AND E U/S RMK: LTD LGT USING PORTABLE LGT SYSTEM WILL LAYOUT UPON REQ MNM 2 HR BFR. PILOT TO EXER CTN	C) 2003192359 EST	(D1326/19)
AGA	B) 1912041405 E) BEARING STRENGTH FOR TWY A3 CHG TO PCN 67/F/A/W/T AND TWY H CHG TO PCN 56/F/A/W/T	C) PERM	(D1275/19)

AGA	B) 1911290655 E) PAPI RWY07 RIGHT SIDE U/S.	C) 2002291000	(D1263/19)
AGA	B) 1909080501 E) RE-NAMED ACFT STANDS MARKING BAY 8B TO 8L, 8A TO 8R, 7B TO 7L, 7A TO 7R, 5B TO 5L AND 5A TO 5R	C) PERM	(D0940/19)
CNS	B) 1912300303 D) BTN 0000-0800 E) COMMISSIONING OF NEW KUCHING AREA CTL (SECT 2) RDO FREQ(S): 1. 132.35 MHZ (PRI) 2. 133.95 MHZ (SRY) RMK: ACTIVATION OF THE FREQ IS SUBJ TFC COND AND ATC STAFF AVBL	C) 2003310800 EST	(D1349/19)
OTH	B) 2001310054 E) CRANE ERECTED 210FT AMSL (64M) AT COORD 012928N 1102031.07E DIST 730M ON BRG 335DEG FM ARP.	C) 2004302359 EST	(D0112/20)
OTH	B) 2001310042 E) TWO(2) TOWER CRANES ERECTED 43M AMSL AT 013028.05N 1102249.69E (RIVERDALE RESIDENCES,KUCHING) 2,070M ON BRG 040 FM THR RWY 25 . RMK:TOWER CRANES WITH BOOM PAINTED AND LGTD AT NGT.	C) 2004302359 EST	(D0111/20)
OTH	B) 1912300322 E) PRESENCE OF TWO (2) TOWER CRANES. ERECTED AT COORD 014027N 1101824E (LOCATED AT LOT7686,BLOCK 9 SALAK LAND DISTRICT,SAMARIANG NEW TOWNSHIP) RMK:TOWER CRANE WITH RED/WHITE BOOM MARKED WITH RED/WHITE FLAGS AND LGTD FLASHING RED LGT AT NGT	C) 2003312359 EST	(D1352/19)
OTH	B) 1912300319 E) TWR CRANE ERECTED AT 012945.66N 1102410.84E, HGT 230FT AMSL, DIST 3830M ON BEARING 085 FM THR RWY 25 RMK:TOWER CRANES WITH BOOM MARKED WITH FLAGS DRG DAY AND LGTD FLASHING RED LGT AT NGT.	C) 2003312359 EST	(D1351/19)
OTH	B) 1912300317 E) CRANES ERECTED 200FT AMSL WI 400M OF COORD 013421N 1102226E (LOT 2273 AND 2325 PLOT 1,SECTION 66,KUCHING CENTRAL LAND DISTRICT,KUCHING). RMK:CRANES BOOM MARKED WITH FLAGS AND RED FLG LGT AT NGT	C) 2003312359 EST	(D1350/19)
OTH	B) 1911290650 E) PRESENCE OF CONSTRUCTION CRANE HGT 265FT AMSL AT COORD 013058N 1102044E (BEARING 005DEG 5.5 KM FM KUCHING ARP 012907N 1102042E) RMK: (1) CONSTRUCTION CRANE PAINTED YELLOW AND LGTD. (2) TWO BUILDING BLOCKS HEIGHT 240 FT AMSL (72.4M AMSL) UNDER CONSTRUCTION. F) GND G) 300FT AMSL	C) 2002292359	(D1262/19)

WMKK (KUALA LUMPUR/SEPANG INTL)

AGA	B) 2002031900 E) PORTION OF TWY B BTN INT B9 AND B11 CLSD RMK: INT B10 NOT AVBL FOR ACFT TAX	C) 2002032100	(A0488/20)
AGA	B) 2002031700 E) PORTION OF TWY B BTN INT B8 AND B10 CLSD RMK: INT B9 NOT AVBL FOR ACFT TAX	C) 2002031900	(A0487/20)
AGA	B) 2002030330 D) EV MON 0330-0415 E) RWY 14L/32R CLSD	C) 2002240415	(A0472/20)
AGA	B) 2002030200 E) PORTION OF TWY K FM ACFT STAND F24 TIL F25 CLSD	C) 2002030900	(A0486/20)
AGA	B) 2002030200 E) PORTION OF TWY B BTN B6 AND B7 CLSD RMK: INT B7 NOT AVBL FOR ACFT TAX	C) 2002030900	(A0484/20)

AGA	B) 2002030200 E) PORTION OF TWY D BTN INT D1 AND D3 AND PORTION OF TWY G BTN INT F6 TIL TWY D CLSD RMK: INT D2 AND INT F6 NOT AVBL FOR ACFT TAX	C) 2002030900	(A0485/20)
AGA	B) 2002021700 D) 1700-2200 E) INT U5C CLSD	C) 2002032200	(A0466/20)
AGA	B) 2002021700 D) EV MON FRI SUN 1700-2200 E) RWY 14L/32R CLSD	C) 2002282200	(A0469/20)
AGA	B) 2002010229 E) INCREASE IN BIRD ACT OVER AD DUE TO MIGRATORY SEASON	C) 2002292359	(A0460/20)
AGA	B) 2001311614 E) REF TO AIP MALAYSIA PAGE AD 2-WMCK-1-9 PARAGRAPH 2.14 APC AND RWY LIGHTING ILS CAT II SUSPENDED AND DOWNGRADE TO CAT 1	C) 2003312200	(A0453/20)
AGA	B) 2001311607 E) STOPBAR LGT INT A1 TIL INT A11 U/S	C) 2002152200	(A0452/20)
AGA	B) 2001301510 E) CL LGT TWY Z FM Z1 TIL Z5 U/S	C) 2002152200	(A0433/20)
AGA	B) 2001301506 E) CL LGT TWY U5 U/S	C) 2002152200	(A0432/20)
AGA	B) 2001301503 E) CL LGT TWY U3 AND U4 U/S	C) 2002152200	(A0431/20)
AGA	B) 2001301349 E) LEAD IN AND LEAD OUT LGT INT C1 TIL C11 U/S	C) 2002152200	(A0427/20)
AGA	B) 2001301345 E) STOPBAR LGT INT C1 TIL C11 U/S	C) 2002152200	(A0426/20)
AGA	B) 2001300900 E) TWY U4 ABM ACFT STAND Q17 CLSD	C) 2002041400	(A0403/20)
AGA	B) 2001040920 E) 1. RWY 15 AVBL FOR ACFT DEP ONLY VIA INT Y4 (TORA 2630M) 2. RWY 33 AVBL FOR ACFT DEP (TORA 2810M) AND ARR (LDA 2810M) 3. PILOTS TO EXER CTN DRG LDG AND TKOF RWY 33 DUE TO WIP WI TKOF CLIMB AREA. RMK/ REF AIP SUPP 09/2019	C) 2004042359 EST	(A0054/20)
AGA	B) 1912310657 E) TWY L CLSD.	C) 2002292200	(A5040/19)
AGA	B) 1912310654 E) PORTION OF TWY B BTN INT B14 TIL N2 CLSD. RMK:INT B14 AVBL FOR ACFT TAX.	C) 2002292200	(A5039/19)
AGA	B) 1910100952 E) NEW ESTABLISHED ACFT STAND C12R COORD 027494.77N 1017130.71E TO CATER ACFT TYPE A380 ONLY	C) PERM	(A3786/19)
AGA	B) 1910100951 E) NEW ESTABLISHED AIRCRAFT STAND C16R COORD 027505.88N 1017123.83E FOR AIRCRAFT TYPE A380 ONLY	C) PERM	(A3785/19)
AGA	B) 1908070755 E) FOLLOWING TWY AVBL FOR ACFT CODE F OPS: 1.TWY K 2.INT H3 AND H5 3.TWY A FM A11 TO B14	C) PERM	(A2838/19)

4.TWY B FM B13 TO B14

CNS **B)** 2001210140 **C)** 2004212359 EST (A0277/20)
E) ILS RWY 33 U/S.

CNS **B)** 2001180414 **C)** 2004182359 (A0239/20)
E) SMR U/S
RMK: DEP AND ARR SUBJ DLA

CNS **B)** 2001071105 **C)** PERM (A0093/20)
E) REFER TO AIP MALAYSIA AD-WMCK SHALL READ AS FLW:
1. AD2-WMCK-2-18
SOUTH (WSS) 130.75MHZ
2. AD2 WMCK-2-24
EAST SATELLITE WEST (ESW) 122.85MHZ
EAST SATELLITE NORTH (ESN) 122.85MHZ
3. AD2-WMCK-2-26
EAST SATELLITE WEST (ESW) 122.85MHZ
EAST SATELLITE NORTH (ESN) 122.85MHZ
4. AD2-WMCK-2-30
EAST SATELLITE WEST (ESW) 122.85MHZ
EAST SATELLITE NORTH (ESN) 122.85MHZ
5. AD2-WMCK-2-34
EAST SATELLITE WEST (ESW) 122.85MHZ
EAST SATELLITE NORTH (ESN) 122.85MHZ
6. AD2-WMCK-2-36
RUNWAY: 33
APRON : WEST TERMINAL WEST (WTW) 121.725MHZ
GATES : K1-K13 (ODD NR) AND K20-K24 (EVEN NR)
TAXI ROUTE: EXIT ONTO Y THEN:Z1,U9,U8
FOR GATES K20,K22 AND K24 VIA Z1,Z,U7
7. AD2-WMCK-2-38
EAST SATELLITE WEST (ESW) 122.85MHZ
EAST SATELLITE NORTH (ESN) 122.85MHZ
8. AD2-WMCK-2-40
EAST SATELLITE WEST (ESW) 122.85MHZ
EAST SATELLITE NORTH (ESN) 122.85MHZ
9. AD2-WMCK-2-46
EAST SATELLITE WEST (ESW) 122.85MHZ
EAST SATELLITE NORTH (ESN) 122.85MHZ
10.AD2-WMCK-2-48
EAST SATELLITE WEST (ESW) 122.85MHZ
EAST SATELLITE NORTH (ESN) 122.85MHZ

CNS **B)** 2001030449 **C)** 2004032359 EST (A0032/20)
E) ILS RWY 15 WITHDRAWN.

ATM **B)** 2001312349 **C)** 2004302359 EST (A0458/20)
E) REF TO AIP MALAYSIA AD2-WMCK-1-29 PARA 2.22.7 - VIS
COND IS TEMPO SUSPENDED

ATM **B)** 1912170800 **C)** 2003172359 EST (A4866/19)
E) SFC MOVEMENT CTL SOUTH (ESS) AND EAST (ESE) LUMPUR GND
FREQ 122.275 MHZ U/S. ALL ACFT SOUTH (ESS) AND EAST (ESE)
TO CTC 123.250 MHZ.

ATM **B)** 1912060001 **C)** 2002292359 EST (A4692/19)
E) IMPLEMENTATION OF RNAV (GNSS) SIMULTANEOUS INDEPENDENT PARALLEL
APCH AT WMCK FOR THE FOLLOWING INSTRUMENT APPROACH PROCEDURES:
RWY 14L RNAV (GNSS)
RWY 14R RNAV Z (GNSS)
RWY 14R RNAV Y (GNSS)
RWY 15 RNAV (GNSS)
RWY 32L RNAV Z (GNSS)
RWY 32L RNAV Y (GNSS)
RWY 32R RNAV (GNSS)
RWY 33 RNAV (GNSS)
RMK:
1. PILOTS SHALL MONITOR WMCK CATIS (ARRIVAL) FOR THE EXPECTED
INSTRUMENT APPROACH.
2. OPERATORS ARE RESPONSIBLE TO OBTAIN THE GNSS RAIM PREDICTION
ASSOCIATED WITH GNSS AVAILABILITY OR IT'S UNAVAILABILITY, AT
THIS STAGE CAAM WOULD NOT PROVIDE THIS SERVICE.
3. PILOTS SHOULD NOTIFY ATC DEGRADATION OF THE RAIM DATA SIGNAL
OR BEING UNABLE TO PERFORM THE RNAV (GNSS) APCH.

ATM	B) 1902280841 E) FLT PLAN RQMNTS FOR RNAV 1 CAPABLE ACFT INTO KL INTL AP(KLIA) SHALL PLAN ON FLW STAR: RWY 32L/32R - KIDOT 1P / BOBIS 1P RWY 33 - EKUDA 1B / SALAX 1B / NOBEK 1B RMK: ATC WILL ASSIGN ALTERNATE STAR SHOULD THERE BE A CHG.	C) PERM	(A0651/19)
OTH	B) 2002010232 E) LEAD IN AND LEAD OUT LGT FM INT A1 TIL A11 U/S	C) 2002152200	(A0461/20)
OTH	B) 2001301513 E) LEAD IN AND LEAD OUT LGTS INT P1 P2 P3 AND P4 WITHDRAWN	C) 2002152200	(A0434/20)
OTH	B) 2001301459 E) LEAD IN AND LEAD OUT LGTS INT Y4 AND Y5 WITHDRAWN	C) 2002152200	(A0430/20)
OTH	B) 2001030451 E) ACFT LDG RWY 33 SHALL VACATE VIA INT Y5 AND Y4 TO AVOID BACK TRACKING.	C) 2002032359 EST	(A0033/20)
OTH	B) 1912100156 E) OBSTRUCTION LGT AT TWR (024525.5N1014208.8E) U/S	C) 2003092359 EST	(A4753/19)
OTH	B) 1912070955 E) REF AIP MALAYSIA LOCAL TRAFFIC REGULATIONS AD.2-WMCK-1-24 ITEM 2.20.11.4 CENTRELINES WITH NO VDGS OBSOLETE	C) PERM	(A4733/19)
OTH	B) 1908280234 E) HGT RESTRICTION OVER TRANSITION WAYPOINTS (ARRIVING ACFT): 1. DAKUS - FL250 OR BLW (RWY 32/33 MODE) 1.1 DAKUS - FL190 OR BLW (RWY 14/15 MODE) 2. PULIP - FL250 OR BLW (RWY 32/33 MODE) 2.1 PULIP - FL190 OR BLW (RWY 14/15 MODE) 3. SAROX - FL230 OR BLW 4. GUPTA - FL230 OR BLW HGT RESTRICTIONS STATED IN AIP MALAYSIA PAGE AD 2-WMCK-1-30 PARAGRAPH 2.22.5.4 AND 2.22.5.4.1 REMAINS UNCHANGED F) - G) -	C) PERM	(A3134/19)

WMKJ (JOHOR BAHRU/SENAI INTL)

AGA	B) 1912301000 E) PIPO BAY AT MAIN APRON NOT AVBL RMK/PILOT TO FOLLOW MARSHALLER AND EXER CTN DURING PARKIN	C) 2003301000	(A5022/19)
AGA	B) 1912301000 E) PORTION OF APRON C MAIN TERMINAL CLSD DUE WIP COORD AS FOLLOWS:- A 13806.6N 1034003.1E B 13801.9N 1034004.7E C 13801.5N 1034003.6E D 13806.3N 1034002.0E RMK/BARICADE LGTD AT NIGHT TO DENOTE CLOSURE	C) 2003301000	(A5020/19)
AGA	B) 1912230548 E) PARTIAL GA APN CLSD. RMK:PILOT SHALL BE RESPONSIBLE FOR THE SAFETY OF THE ACFT DRG START UP AND TAX.	C) 2003240001	(A4940/19)
CNS	B) 1911060006 D) 0000-1330 2330-2359 E) RADAR SVC AVBL	C) 2002060006	(A4273/19)
OTH	B) 2001300045 E) CRANE AND SKYLIFT OPR WI 50M RADIUS OF COORD 013836.55N 1033945.32E (SAPURA HANGAR) CRANE MARKED WI CHEQUERED FLAG RMK: PILOT TO EXER CTN WHILE MANOUVERING F) GND G) 235FT AMSL	C) 2002291600	(A0411/20)
OTH	B) 2001041100	C) 2004041100	(A0061/20)

E) CRANE ERECTED HGT 180FT AMSL AT COORD OF 013832N 1034027E
(EAST OF AIRFIELD).

OTH B) 1912301000 C) 2003301000 (A5021/19)
E) CRANE OPS AT APRON MAIN TERMINAL WI RAD 50M OF COORD
(13803.07N1034002.6E)
RMK/CRANE MARKED WITH CHEQUERED FLAG AND LGTD AT NIGHT
/PILOT TO EXER CTN WHILE MANOUVERING
F) SFC G) 100FT AMSL

WAAA (MAKASSAR/SULTAN HASANUDDIN)

AGA B) 2001300233 C) 2003022359 (A0277/20)
E) ENLARGEMENT OF SOUTH APRON WIP AT SULTAN HASANUDDIN INTL AP
MAKASSAR ARE DESCRIBED BELOW :
- ZONE 1 PSN BTN TWY E AND TWY F DIMENSION 51.998M2
- ZONE 2 PSN BTN TWY F AND TWY I DIMENSION 61.158M2
- ZONE 3 PSN LEFT SIDE OF TERMINAL BUILDING IN FRONT OF SOUTH APN
DIMENSION 31.946M2
- ADDITIONAL PAVEMENT PSN BTN PARKING STAND B.41 AND TWY I, AREA
BEHIND PARKING STAND B.39 AND B.40 WITH DIMENSION 3.645M2.
ALL ACFT MOVEMENT AT SULTAN HASANUDDIN INTL AP SHALL CONCERN
REGARDING INFORMATION BELOW :
- ADZ CAUTION DURING TAXIING AT TWY WP, E, F AND PARKING AT SOUTH
APN
- TEMPORARY BARRIERS POSITION ALONG SIDE OF THE CONSTRUCTION AREA

AGA B) 2001231600 C) 2002071559 (A0186/20)
E) PARKING STAND B12, B13, B14, B15, B16 AND B17 CLSD DUE TO WIP

AGA B) 2001111119 C) PERM (A0073/20)
E) AD ELEVATION : 44FT
REF AIP VOL II AMDT 24 DATED 08 APR 10
WAAA AD 2.24-7A, WAAA AD 2.24-7B, WAAA AD 2.24-9A,
WAAA AD 2.24-9B
REF AIP VOL II AMDT 50 DATED 14 APR 16 WAAA AD 2.24-7C,
WAAA AD 2.24-7D, WAAA AD 2.24-9C, WAAA AD 2.24-9D,
WAAA AD 2.24-11A, WAAA AD 2.24-11B, WAAA AD 2.24-11C,
WAAA AD 2.24-11D, WAAA AD 2.24-11E, WAAA AD 2.24-11G

AGA B) 2001100850 C) 2004100900 (A0066/20)
E) TWY WP BTN TWY G AND TWY H, AND TWY H CLSD DUE TO WIP

AGA B) 1912310940 C) 2002150900 (A4727/19)
E) ALL TFC CTN ADZ DUE TO WIP ALONG 2370M PSN AS FLW:
- EAST SIDE RWY 03/21
- 380M FROM TRESHOLD RWY 03
- 134.98 FROM CENTERLINE RWY 03/21
- 104.98 FROM SHOULDER RWY 03/21
RMK: HEAVY EQUIPMENT PRESENT

CNS B) 1912060409 C) PERM (A4522/19)
E) NEW SECONDARY FREQ OF MAKASSAR RADAR ON 123.80 MHZ
REF AIP VOL I AMDT 83 DATED 05 DEC 19 ENR 2.1
AND VOL II AMDT 58 DATED 08 DEC 16 WAAA AD 2.18

CNS B) 1911010000 C) PERM (A4185/19)
E) NEW SECONDARY FREQ OF HASANUDDIN TOWER AND HASANUDDIN GROUND ON
118.60MHZ

ATM B) 2001300001 C) 2004292359 (A0267/20)
E) STANDARD ARRIVAL CHART-INSTRUMENT (STAR)-ICAO RNAV RWY 03 MINIMUM

VECTOR ALTITUDE AT POINT ALVIA SHALL BE READ FL120 - FL140
REF AIRAC AIP AMDT 86 DATED 30 JAN 20

ATM B) 2001300001 C) 2004292359 (A0265/20)
E) REF AIP VOL II AMDT 50 DATED 14 APR 16
STANDARD DEPARTURE CHART-INSTRUMENT (SID)-ICAO RWY 03 WAAA AD
2.24-7C,
STANDARD DEPARTURE CHART-INSTRUMENT (SID)-ICAO RWY 21 WAAA AD
2.24-7D,
STANDARD ARRIVAL CHART-INSTRUMENT (STAR)-ICAO RWY 03 WAAA AD

2.24-9C,
STANDARD ARRIVAL CHART-INSTRUMENT (STAR)-ICAO RWY 21 WAAA AD
2.24-9D,
UNUSEABLE DUE TO IMPLEMENTATION OF SID/STAR RNAV 1 FOR RWY 03/21
(AIRAC AIP AMDT 86 DATED 30 JAN 20)

OTH **B)** 2001301330 **C)** 2002122359 (A0286/20)
E) TRIGGER NOTAM-PERM AIRAC AIP AMDT NR 86 WEF 30 JAN 20
ESTABLISHMENT AND REVISION OF INFORMATION SULTAN HASANUDDIN
INTERNATIONAL AIRPORT

OTH **B)** 2001060721 **C)** 2004061559 (A0034/20)
E) OBST CRANES ERECTED AT SULTAN HASANUDDIN AP PSN AS FLW:
-TOWER CRANE-U4 : 050431.19S1193249.49E
HGT GND : 54M
-TOWER CRANE-U6 : 050438.11S1193245.56E
HGT GND : 54M
OCA(H) IAC ILS RWY 03 TEMPORARY CHG TO 380FT MSL (342)
RMK : CRANE LGT AT NGT AVBL
REF AIP VOL II AMDT 50 DATED 14 APR 16 WAAA AD 2.24-11G

WIIH (JAKARTA/HALIM PERDANAKUSUMA)

AGA **B)** 2002011700 **C)** 2002222200 (A0299/20)
D) 01 1700-2100, 02-22 1700-2200
E) RWY 06/24 CLSD DUE TO WIP

AGA **B)** 1905300938 **C)** PERM (A2155/19)
E) ALL ACFT ARE NOT ALLOWED MAKE ONE WHEEL LOCK TURN ON RWY 06/24

WADD (BALI INTL)

AGA **B)** 2001212359 **C)** 2003252359 (A0180/20)
E) ALL TFC CTN ADZ DUE TO WIP PSN AS FLW:
084441S1151020E - 084441S1151026E - 084443S1151026E - 084443S1151
020E
- 084441S1151020E

AGA **B)** 1912040050 **C)** 2003042300 EST (A4491/19)
E) NGURAH GND COMBINED WITH NGURAH TWR ON FREQ 118.1MHZ BTN 1800-2300
WITH CALLSIGN NGURAH TWR
REF AIP INDONESIA VOL II AMDT 77 21 MAR 19 SUBSECTION WADD AD 2.18
ATS COMMUNICATION FACILITIES

AGA **B)** 1911200956 **C)** PERM (A4365/19)
E) CHANGES INFORMATION RELATED TO AD DATA TAXIWAYS
TWY N1-N5, N7, P1 AND P7 STRENGTH : PCN 89/F/C/X/T
REF AIP VOL II AMDT 77 DATED 21 MAR 19 SUBSECTION WADD AD 2.8

ATM **B)** 2001311610 **C)** PERM (A0294/20)
E) CHANGES INFORMATION RELATED TO INSTRUMENT FLIGHT PROCEDURES AS FLW
:
DISTANCE FROM WAYPOINT TIREX TO CIIKAK CHANGE TO 17.6NM
DISTANCE FROM WAYPOINT CIIKAK TO PESUT CHANGE TO 24.9NM
TRACK FROM WAYPOINT TIREX TO CIIKAK CHANGE TO 090 DEG M (090.6 DEG
T)
TRACK FROM WAYPOINT CIIKAK TO PESUT CHANGE TO 090 DEG M (090.5 DEG
T)
COORDINATES OF WAYPOINT CIIKAK CHANGE TO 083334.5S 1163953.5E
REF AIP VOL II AIRAC AMDT 86 DATED 19 DEC 19 WADD AD 2.24-7A1, WADD
AD 2.24-7A5, WADD AD 2.24-7A6, WADD AD 2.24-7A8

ATM **B)** 2001300000 **C)** PERM (A0010/20)
E) CHANGES INFORMATION FOR INSTRUMENT APPROACH CHART AND INSTRUMENT
APPROACH PROCEDURE CODING TABLE AS FLW:
INSTRUMENT APPROACH CHART VOR/DME RWY 09 CAT A/B/C/D
1. WAYPOINT KUTA CHANGE TO WAYPOINT KHUTA WITH COORDINATE
084516.8S1145439.1E
2. INBOUND HOLDING TRACK CHANGE TO 088 DEG
3. OUTBOUND HOLDING TRACK CHANGE TO 268 DEG

4. TRACK FROM WAYPOINT KHUTA TO FAF CHANGE TO 088 DEG
5. TRACK FROM WAYPOINT FAF TO MAPT CHANGE TO 088 DEG
6. MISSED APPROACH PROCEDURE CHANGE TO AT MAPT MAINTAIN HEADING 088

DEG CLIMB TO 3000FT THEN TURN RIGHT AND PROCEED TO KHUTA OR CONTACT

ATC FOR FUTHER INSTRUCTION

INSTRUMENT APPROACH CHART RNAV GNSS RWY 09 CAT A/B/C/D

1. WAYPOINT KUTA CHANGE TO WAYPOINT KHUTA WITH COORDINATE 084516.8S1145439.1E
 2. INBOUND HOLDING TRACK CHANGE TO 089 DEG T
 3. OUTBOUND HOLDING TRACK CHANGE TO 269 DEG T
 4. TRACK FROM WAYPOINT KHUTA TO DD401 CHANGE TO 090 DEG T
 5. MISSED APPROACH PROCEDURE CHANGE TO CLIMB TO 2000FT THEN TURN RIGHT DIRECT TO KHUTA AT 3000FT FOR HOLDING OR AS INSTRUCTED BY ATC
- INSTRUMENT APPROACH PROCEDURE CODING TABLE RWY 09 RNAV GNSS CAT A/B/C/D

1. WAYPOINT KUTA CHANGE TO WAYPOINT KHUTA WITH COORDINATE 084516.8S1145439.1E
 2. TRACK FROM WAYPOINT KHUTA TO DD401 CHANGE TO 090 DEG T(089 DEG M)
- REF AIP INDONESIA VOL II AMDT 58 DATED 08 DEC 16 WADD AD 2.24-11C,

AIRAC AMDT 54 WEF 10 NOV 16 WADD 2.24-11H, AIRAC AMDT 86 WEF 30 JAN

20 WADD AD 2-16 AND WADD AD 2-17

ATM	B) 1910260145 E) REFF : A. SID RWY 09 WADD (AD 2.24-7A)AMDT 50 B. SID RWY 27 WADD (AD 2.24-7B)AMDT 58 C. STAR RWY 09 WADD (AD 2.24-9A) AMDT 50 D. STAR RWY 27 WADD (AD 2.24-9B) AMDT 50 E. DATABASE CODING FOR SID RWY 09 (AD 2-18 TO AD 2-23) AMDT 58 F. DATABASE CODING FOR SID RWY 27 (AD 2-23 TO AD 2-29) AMDT 58 G. DATABASE CODING FOR STAR RWY 09 (AD 2-35 TO AD 2-38) AMDT 58 H. DATABASE CODING FOR STAR RWY 27 (AD 2-39 TO AD 2-42) AMDT 58 ALL ALTITUDES CHARTS AND CODING TABLES OF SID AND STAR RWY 09 AND SID AND STAR RWY 27 WADD ARE MANDATORY	C) PERM	(A4139/19)
OTH	B) 2001300000 E) TRIGGER NOTAM-PERM AIRAC AIP AMDT 86/19 WEF 30 JAN 20 ESTABLISHMENT AND REVISION OF INFORMATION I GUSTI NGURAH RAI INTERNATIONAL AIRPORT	C) 2002122359	(A4700/19)
OTH	B) 1912270713 E) OBSTACLE ANEMOMETER AWOS MIDDLE ERECTED ELEV 45.9FT HGT 32.8FT PSN ON COORD 084457.48S1151024.24E	C) 2003282359	(A4705/19)

WARR (SURABAYA/JUANDA)

AGA	B) 2001291018 E) TWY N10 CLSD DUE TO WIP	C) 2002051700	(A0262/20)
AGA	B) 2001260914 E) RWY HOLDING POSITION TWY N1 REPLACE TO TWY NP2 PSN 275M FM RWY CL DUE TO BUMPY SURFACE	C) 2004260859	(A0221/20)
AGA	B) 2001061700 D) DAILY 1700-2159 E) AD CLSD DUE TO WIP EXC FOR MEDIVAC HELICOPTER	C) 2004052159	(A0028/20)
AGA	B) 1912070600 D) DLY 0600-0615 E) ALL TFC CTN ADZ DUE TO RWY 10/28 INSPECTION	C) 2003072359	(A4528/19)
AGA	B) 1911271430 E) ALL ACFT ARE NOT ALLOWED MAKE ONE WHEEL LOCK TURN ON RWY 10/28	C) 2002270659	(A4432/19)
CNS	B) 1912280330 E) ATS COMMUNICATION FACILITIES HOURS OF OPERATION CHANGED TO : JUANDA GROUND : 1400 - 2259	C) 2003282359	(A4710/19)

SURABAYA EAST CONTROL : 1200 - 2200
SURABAYA DIRECTOR : 1400 - 2200
RMK: - JUANDA GROUND INSIDE THESE PERIODS COMBINE WITH JUANDA TOWER

- SURABAYA DIRECTOR AND SURABAYA EAST CONTROL INSIDE THE PERIODS
COMBINE WITH SURABAYA WEST CONTROL

ATM	B) 1912100745 E) REF AIP VOL II AMDT 46 DATED 24 DEC 15 INSTRUMENT APPROACH CHART - ICAO PAGE WARR AD 2.24 - 11E RNAV (GNSS) RWY 28 (CAT A/B/C/D) LNAV/VNAV 290 (282) SHALL BE READ LNAV/VNAV 360 (349)	C) 2003072359 (A4551/19)
OTH	B) 2001300000 E) TRIGGER NOTAM AIRAC AIP AMDT NR 86 WEF 30 JAN 20 ESTABLISHMENT AND REVISION OF INFORMATION JUANDA AIRPORT SURABAYA	C) 2002122359 (A0040/20)
OTH	B) 2001021700 E) ALL TFC CTN ADZ DUE TO WIP PSN 200M FM SOUTH TWY EDGE OF SP2 BTN S3-S5	C) 2003021700 (A0016/20)
OTH	B) 1912061011 E) THREE OBST CRANES ERECTED AT JUANDA AP PSN AS FLW : TOWER CRANE 1 : 072229.78S1124749.25E HEIGHT ABOVE GND : 149.3FT TOWER CRANE 2 : 072230.80S1124752.26E HEIGHT ABOVE GND : 178.8FT TOWER CRANE 3 : 072231.95S1124755.21E HEIGHT ABOVE GND : 137.8FT RMK : CRANE LGT AT NGT AVBL	C) 2003072359 (A4526/19)

END OF DOCUMENT