

VER. 23.4.12 by Flyingdeuk

Clici	k for Update
$GMP \leftrightarrow CJU$	$GMP \longleftrightarrow SHA$
$GMP \leftrightarrow PUS$	$GMP \longleftrightarrow KIX$
$CID \leftrightarrow CID$	
$CID \leftrightarrow CII$	
$CJU \longleftrightarrow TAE$	
$CJU \leftrightarrow PUS$	
$PUS \longleftrightarrow NRT$	
$ICN \leftrightarrow PUS$	
$ICN \leftrightarrow KIX$	
$ICN \longleftrightarrow NRT$	
$ICN \leftrightarrow CTS$	
$ICN \leftrightarrow HND$	
$ICN \leftrightarrow NGO$	
Welco	ome PA
Meter/Feet	Conversion

# Welcome PA Meter/Feet Conversion Cold Temp Correction Cold Wx Operation ENG ON Deicing ENG OFF Deicing

RKSS(GMP) 59ft RKPC(CJU) 119ft KE GMP 131.15 **KF CIU 129.4** DCL -15분 가능 TOBT 5분 차이 시 CTC Comm Rwv 32R Takeoff (06:00L~0900L / 12:00L~15:00L /18:00L~21:00L) GMP: SID (NADP 1)

324

32R

110.7

APRON(130.875) -> GND(121.9) -> TWR (All by ATC)

CJU: STAR

YUMIN

DUKAL

10433'

10499

11811'

324

324

144

144

14R

108.7

14R(34')

14L(38')

Home

25(76')

**DOTOL 160** 

DOTOL/-10 160

6000

6000

14L

109.9

14L/R: KIP144/4, R220

P73 /2

BUILTI XT 324 5000 32L/R 324 324 5000 (BULTI xO)

BULTI xU 144 144

144 144

(BULTI xZ)

32L

108.3

32L(41')

32R(42')

DOTOL xP

DOTOL xT

07(87')

07: P6(5176'), P5(5882'), P4(6840'-ATC HIRO) 25: P7(5219'), P8(5882'), P10(7524'-ATC HIRO) Entering Rapid TWY CTC GND 121.675 (STOP x) HST 40KTS

32L/R: KIP324/5, R220

YIU R271

14L/R

KIP

113.6

HUD

ILS Z 07

ILS Z 25

HUD

**KE CJU 129.4** KE GMP 131.15 DCL -10분 **Rwy 32L Landing** (06:00L~0900L / 12:00L~15:00L /18:00L~21:00L) CJU: SID (NADP 1)



246

07	KAMIT	Œ	066	
25	KAMIT x	w	246	
YDM	109.0		07 109.9	

RKPC(CJU) 119ft

07: NONE HUD 07(87') 07: Passing G4 CTC TWR

10000 25 111.3

25: YDM246/3, R290

066

246

10433'

RKSS(GMP) 59ft

25(76') P, E1,2,3 CTC TWR

25 : 31 Holding	g PSN on
P 109.0 YON	JEJUKorea -httl RKPC
CRS-290 D3 YDM	
	GMP : S



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DOKDO

#### OLMEN xT BUMSI

32L(41') 10499' HUD 32R(42') 11811'

OLMEN 160

OLMEN 160

14R(34')

14L(38')

KIP /8(RWY 32), YJU R271, P73 /2

OLMEN xU

32L: D3(6532'), E2(9117'), 32R: E1(6614')

14R: C1(6578')

32L/R

14L/R

32L/R: 8 KIP L/G, 14R: LOC CAPT L/G

FAF: Final Flap TWR -> GND -> APRON (All by ATC)

Except RWY14R Landing (Until R)

KE GMP 131.15 KF Gimhae 129.2 DCL -15분 가능 TOBT 5분 차이 시 CTC Comm Rwv 32R Takeoff (06:00L~0900L / 12:00L~15:00L /18:00L~21:00L) GMP: SID (NADP 1) **OSPOT xT** 324 324 5000 324 32L/R (OSPOT xQ) 324 324 5000 324 OSPOT xU 144 144 6000 144 14L/R (OSPOT xZ) 144 144 6000 144 14L **KIP** 32L 32R 14R 109.9 113.6 108.3 110.7 108.7 32L/R: KIP324/5, R220 14L/R: KIP144/4, R220 YIU R271 P73 /2

32L(41') 10499' HUD 11811'

32R(42')

RKSS(GMP) 59ft



RKPK(PUS) 13ft

APRON(130.875) -> GND(121.9) -> TWR (All by ATC) Home

PUS: STAR (Tail Wind 36R 136000lbs F40)

36 KFVOX x MASTA 9DME LG. 8DME FLAP

18 **GAYHA** x MASTA

VOR 18R-18R-GAYHA 36L(13') 10499' 18R(13') 8530'

HUD

36R(8') 8999' 18L(13') 8999'

36: RW36 /9. /8 18: KMH R283, R280

36L: C4 (6299'), C2(7795') / 36R: E3(5866'), E2(7339')

18R: C6(5770'), C7 (6824') / 18L: E4(5882'), E5(8792')

Vacate C3,C4 by ATC only. Max Taxi SPD 20KTS C2 HOLD SHORT 가까움(Vacate TaxiSPD)

KF Gimhae 129.2 KF GMP 131 15 DCL -5분 **Rwy 32L Landing** (06:00L~0900L / 12:00L~15:00L /18:00L~21:00L) PUS: SID (Mod NADP CLB2 1000, 14000 MAX) SOORO x 280 36 305 ATC 342 KALOD tx

182

**PSN 114.0 KMH 113.8** 36L(13') 10499' HUD 36R(8') 8999'

GIMHAF x

18

RKPK(PUS) 13ft

36: KMH R091, R271, R185 18R(13') 8530' 18L(13') 8999' RWY36 400ft Man L/H turn, Max Taxi SPD 20KTS

182

36L 108.5

5000

182

36R 109.5

RKSS(GMP) 59ft

KMH R-271	GIMAE 0,113.8 KMH		Home				
GMP : STAR							
32L/R	GUKDO xT	BUMSI	<b>GUKDO 160</b>				
14L/R	GUKDO xU	DOKDO	<b>GUKDO 160</b>				

32L(41') 10499' 32R(42') 11811'

14R(34')

HUD

14L(38')

KIP /8(RWY 32), YJU R271, P73 /2

32L: D3(6532'), E2(9117'), 32R: E1(6614') 14R: C1(6578')

32L/R: 8 KIP L/G, 14R: LOC CAPT L/G

FAF: Final Flap

TWR -> GND -> APRON (All by ATC) Except RWY14R Landing (Until R)

DCL -10분 CJU: SID (NADP 1) 07 KAMIT xE 066 066 10000 066 25 KAMIT xW 246 246 10000 YDM 109.0 07 109.9 25 111.3 07: NONE 25: YDM246/3, R290 HUD 07(87') 10433' 25(76') 07: Passing G4 CTC TWR 25: 31 Holding PSN on P, E1,2,3 CTC TWR 109.0 YDM RKPC CRS-290 D3 YDM



246

RKPC(CJU) 119ft

**KF CIU 129.4** 

RKJJ(KWJ) 48ft

KF KWI 129 4

KWJ : NO STAR (TL 140확인!)

no ILS 04R SAMUL/-15 CI04R KOTTY

LOC 22L SAMUL D0580

VOR 22LR SAMUL D058Q (PAR 6NM. 3)

04R(46') 9301' 22L(48')

HUD 04L(46') 9301'

22R(48')

04R: SAMUL(CLR Limit)

End of RWY Vacating 9301'

LOC 22L: 3.3도. VOR 22L/R: 3.29도(22R offset.

PAR!!) -> LOC/VOR LNAV Final Establish 이후 강하

TAXI MAX 15 kts (Max 30kts by ATC)

#### RKJJ(KWJ) 48ft RKPC(CJU) 119ft KF KWI 129.4 **KF CILI 129 4** NO DCL KWJ: SID (NADP 1) ALL KWA 5 8000 041 กรร (GWJ 3) 038 **ATC** กรร 22R (GWJ 4) 218 218 218 ATC 04R 111.1 **KWA 114.4** 22L 108.5 04: KWA /4.5. R225 22 : None 04L(46') 9301' 22R(48') HUD 22L(48') 04R(46') 9301' Taxi SPD MAX 15kts MAX 30kts by ATC Home CJU: STAR AFT Merge PT(220kts) DCT IAF(210kts), FAF (160kts) 07 DOTOL xP YUMIN **DOTOL 160** 25 DOTOL xT DUKAL DOTOL/-10 160

.1011'	RK(R)-14		
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10433'

25(76')

07(87')

07: P6(5176'), P5(5882'), P4(6840'-ATC HIRO) 25: P7(5219'), P8(5882'), P10(7524'-ATC HIRO)

Entering Rapid TWY CTC GND 121.675 (STOP x) HST 40KTS

HUD

**KE CJU 129.4** KF CII 129.05 DCL -10분 NO DCL. ATIS CJU: SID (NADP 1) 07 KAMIT xF 066 066 10000 066 25 246 246 KAMIT xW 10000 246 07 109.9 25 111.3 YDM 109.0 07: NONE 25: YDM246/3, R290 HUD 07(87') 10433' 25(76') 07: Passing G4 CTC TWR 25: 31 Holding PSN on P. E1.2.3 CTC TWR D 109.0 YDM RKPC CRS-290 Home D3 YDM CJJ: NO STAR After OSPOT H/D060 - RDR Vector **TU761 / BAKJO** NO STAR OSPOT ILS Z O6L (STAR 안줌) (MATIZ x) (JIKJI tx) NO STAR OSPOT HYFIN ILS Z 24R (MATIZ x) (HYEIN tx) (STAR 안줌) 06L(166') 9003' 24R(182')

RKTU(CJJ) 192ft

RKPC(CJU) 119ft

06L: B3 (6443'), A3 (8786')

9003'

24L(191')

06R(173')

HUD

24R: C3 (6230'), D3 (8825')

GS fluc' - A/P Dis' - Back to Normal - A/P Reengage

Reg full length Landing (Vacate End of RWY)

180 BACK LINE 지나 Taxi Line 있음 Entering TWY A3, B3, B4, C3, D3 change GND freq

RKPC(CJU) 119ft RKTU(CJJ) 192ft KF CII 129.05 **KF CILI 129 4** NO DCL. ATIS CJJ: SID (NADP 1) 06L CII xD 060 060 6000 060 24R CII xD 132 132 6000 132 (06L: BUKIL 1, 2 RNAV) (24R: OLREG 1, UPTIL 1) **CHO 109.0** 06L 110.3 24R 111.7 06L/R: CHO /1.7, R235 24L/R: None 06L(166') 9003' 24R(182') HUD 06R(173') 9003' 24L(191') Upslope from Apron to RWY Entering TWY A3, B3, B4, C3, D3 change TWR freq Home 109.0 CHO

CJU: STAR

DOTOL xP NIMUY **DOTOL 160** 07

DUKAL 25 DOTOL xT DOTOL/-10 160

HUD 07(87') 10433' 25(76')

07: P6(5176'), P5(5882'), P4(6840'-ATC HIRO)

25: P7(5219'), P8(5882'), P10(7524'-ATC HIRO)

Entering Rapid TWY CTC GND 121.675 (STOP x) HST 40KTS





RKPC(CJU) 119ft

**KF CIU 129.4** 



066

246

**RKTN(TAE) 120ft** 

**KF TAF 129 2** 

	TAE : NO STA	R (TL 140 확인
31	TGU/-10	CF31L222/7

CF31L

13R(111') 3.3

13L(112')

HUD	31L(118')	
пор	31R(120')	

13

TGU/-10

8999'

9039'

YAWAN

140 확인)

31L: D1(8848'), 13R: A1(8772')

13R ILS 3.3도 PAPI 3.3도 (산악지형 주의)

TAXI MAX 20kts (do not reg) 최소 2000ft 간격

#### KF TAF 129.2 **KF CILI 129 4** NO DCL TAE: SID (NADP 1) 31L/R DAEGU xD 312 312 8000 192 13L/R DAEGU xD 132 132 192 2000 DOC 116.5 **TGU 112.2** 31L 108.7 13R 108.7 31: DOC 245/11 13: TGU076/17 DOC R245 **TGU R076** 31L(118') 13R(112') 3.3 9039' HUD 31R(120') 13L(112') 8999' TAXI MAX 20kts (do not reg) 최소 2000ft 간격 116.5 DOC

RKPC(CJU) 119ft

RKTN(TAE) 120ft



#### AFT Merge PT(220kts) DCT IAF(210kts), FAF (160kts) **ILS Z 07** UPGOS xP YUMIN

CJU: STAR

DUKAL

HUD 07(87') 10433' 25(76')

**UPGOS xT** 

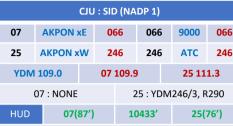
**ILS Z 25** 

07: P6(5176'), P5(5882'), P4(6840'-ATC HIRO)

25: P7(5219'), P8(5882'), P10(7524'-ATC HIRO)

Entering Rapid TWY CTC GND 121.675, STOP X

HST 40KTS



RKPK(PUS) 13ft

KF Gimhae 129 2



RKPC(CJU) 119ft

**KF CIU 129.4** 

DCL -10분



PUS : STAR (Tail	Wind 36R	136000lbs	F40)

36 KEVOX x MASTA 9DME LG, 8DME FLAP

18 GAYHA x MASTA VOR 18R-18R-GAYHA

36L(13') 10499' 18R(13') 8530' HUD

36R(8') 8999' 18L(13') 8999'

36: RW36/9,/8 18: KMH R283, R280

36L : C4 (6299'), C2(7795') / 36R : E3(5866'), E2(7339') 18R: C6(5770'), C7 (6824') / 18L: E4(5882'), E5(8792')

Vacate C3,C4 by ATC only. Max Taxi SPD 20KTS C2 HOLD SHORT 가까움(Vacate TaxiSPD)

RKPC(CJU) 119ft RKPK(PUS) 13ft KF Gimhae 129.2 **KF CILI 129 4** DCL -5분 PUS: SID (Mod NADP CLB2 1000, 14000 MAX)

SOORO x 36 305 280 **ATC** 278 **TOPAX** tx

**BULIM x** 18 182 182 5000 182 **FNGOT tx** 

**KMH 113.8 PSN 114.0** 36L 108.5 36: KMH R091, R271, R185

36L(13') 10499' 18R(13') 8530'

HUD 36R(8') 8999' 18L(13') 8999'





36R 109.5

CJU : STAR	

YUMIN

#### **ILS Z 25** DUKAL **UPGOS xT** HUD 07(87') 10433' 25(76')

**UPGOS xP** 

**ILS Z 07** 

07: P6(5176'), P5(5882'), P4(6840'-ATC HIRO)

25: P7(5219'), P8(5882'), P10(7524'-ATC HIRO)

Entering Rapid TWY CTC GND 121.675, STOP X

HST 40KTS

RKPK(PUS) 13ft RJAA(NRT) 135ft								
KE Gimhae 129.2 DCL -5분 KE Tokyo 131.7								
PUS	: SID	(Mod NA	DP C	LB2 1	1000, 14	000 MA	X)	
36		ORO x SN tx 305 280 ATC 16						
18		JLIM x SN tx	18	2	182	5000	182	
KMH 1	13.8	PSN 1	14.0	3	36L 108.	5 36R	109.5	
		36 : KMH	R091	L, R2	71, R185	i		
HUD		36L(13') 36R(8')				R(13') 85 L(13') 89		
RWY	36 40	00ft Man I	_/H tu	ırn, N	Max Taxi	SPD 201	<b>KTS</b>	
Dep 125.5 – TGU 125.37 FUK 133.15 – TKO 133.8 – 133.02 – 132.45 –124.1 TKO 128.2 – TKO APP 124.4								
NRT H		330,YAG					150	
34L/	R	SWAMI			LGAR YLER)	ILS 34	L/R(Z)	
16L/	R	SWAMI			EMIN ORMA)	ILS Z	L6L/R	
HUE	,	16L(13	5')	8	3202'	34R(	141')	
1101	,	16R(13	0')	1	3123′	34L(	139')	
FIX					4R : ITJ 1 L : IYQ 1	* *		
16R: IKF 4 / 34L: IYQ 12, 4 (DME) 16L: B6(6433'), B7(7017'), 34R: B4(5849'), B2(6778') 16R: A6(6076'), A7(7624'), 34L: A5(6167'), A4(7641')								
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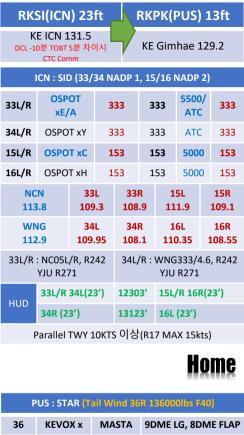
RKPK(PUS) 13ft RJAA(NRT) 135ft KE Tokvo 131.70 KF Gimhae 129 2 DCL -15분 KIX: SID - ENPAR tx (NADP 1) 16L/R 157 157 **ATC** 157 TFTRA x ENPAR tx 337 34L/R 337 7000/ATC 337 NRF 16L 16R 34L **34R** 111.5 111.9 117.9 110.7 110.9 16L(135') 8202' 34R(141') HUD 16R (130') 13123 34L (139') 34R: CLB 220/10000, A4R21/22/23 220KTS 확인 Verity ENPAR tx TETRA 12000A APU Start, TAXI RTE 1, 2, 3, 4 RWY 별 DEP RTE **DEP 124.2** TKO 120.5 - 133.45 - 133.02 - 133.8 FUK 133.15 TGU 125.37 APP 125.5 PUS: STAR (Tail Wind 36R 136000lbs F40) 9DME LG. 8DME FLAP 36 PEDLO x KALFK 18 **GAYHA** x PSN VOR 18R-18R-GAYHA 36L(13') 10499' 18R(13') 8530' HUD 36R(8') 8999' 18L(13') 8999' 36: RW36/9,/8 18: KMH R283, R280

36L : C4 (6299'), C2(7795') / 36R : E3(5866'), E2(7339')

18R: C6(5770'), C7 (6824') / 18L: E4(5882'), E5(8792')

Vacate C3,C4 by ATC only. Max Taxi SPD 20KTS

C2 HOLD SHORT 가까움(Vacate TaxiSPD)



**GAYHA** x

18

HUD

36R(8') 8999' 36: RW36/9,/8

36L(13') 10499'

MASTA

36L: C4 (6299'), C2(7795') / 36R: E3(5866'), E2(7339') 18R : C6(5770'), C7 (6824') / 18L : E4(5882'), E5(8792') Vacate C3,C4 by ATC only, Max Taxi SPD 20KTS C2 HOLD SHORT 가까움(Vacate TaxiSPD)

VOR 18R-18R-GAYHA

18R(13') 8530'

18L(13') 8999'

18: KMH R283, R280

KF Gimhae 129.2 **KE ICN 131.5** DCL -5분 PUS: SID (Mod NADP CLB2 1000, 14000 MAX) SOORO x 36 305 280 ATC 342 **KALOD** tx 18 GIMHAF x 182 182 5000 182 **PSN 114.0** 36L 108.5 36R 109.5 **KMH 113.8** 36: KMH R091, R271, R185 36L(13') 10499' 18R(13') 8530' HUD 36R(8') 8999' 18L(13') 8999' RWY 36 400ft Man L/H turn, Max Taxi SPD 20KTS

RKPK(PUS) 13ft

15L/R

16R(23')

16L(23')

RKSI(ICN) 23ft

# Home

**ICN: STAR** 

33/34 **GUKDO xE ENPIL GUKDO 180** 

15/16 **GUKDO xH** MUNAN

**GUKDO 180** 

34L: P7(5600'), P8(6578'), 34R: N4(6876'), N5(8507') 16R: P6(5597'), P5(6574'), 16L: N3(7043'), N2(8444') 8NM 180kts, 5NM 160kts, Parr TAXI 10kts이상, HIRO

12303'

13123'

33L/R 34L(23')

34R(23')

RWY /8, /5, YJU R271 33R : C4(7529'), C5(8513'), 33L : B5('), B6(') 15L: C2(7522'), C1(8536'), 15R: B3('), B2(')

HUD

RKSI(ICN) 23ft RJBB(KIX) 17ft									
KE ICN 131.5 DCL-10분 TOBT 5분 차이시 CTC Comm									
١	CN : SII	D (33/	34 N.	ADP 1	, 15	/16	NADP	2)	
33L/R	EGO xE/		3	33	3	33	5500/ ATC		333
34L/R	EGOB	A xY	3	33	3	33	ATO	2	333
15L/R	EGOB	A xC	1	53	1	.53	500	0	153
16L/R	EGOB	A xH	1	53	1	.53	500	0	153
NC 113		33L 33R 15 109.3 108.9 111					15R 109.1		
WNG 34L 112.9 109.95			_	34R 16i 108.1 110.		6L ).35			
33L/R : NC05L/R, R242 34L/R : WNG333/4.6, R242 YJU R271 YJU R271									
HUD	33L/R	34L(2	3′)	1230	303' 15L/R 16R(23'		23')		
חטט	34R (2	3')		1312	13123' 16L (23		(23')		
	Parallel							ts)	1
DEP 12			34.1	7 – TI	<u> </u>	133.8		_	
KIX RDF								V	me
IXIZ 7 II I		STAR	(SAE	KI 170	), R/	ANDY	150)		
061		ALIS			BER			LS	Y 06L
06F	2	ALIS	AΑ		ALL	AN	11	.s	Y 06R
24L/	'R	ALIS	A C	ı	۷A۱	ΥΑΗ	ILS	5 Z	24L/R
			06L(1	L5')	131	23'	24R(2	23'	)
HUD 06R(5') 11483' 24L(12')					')				

06L: B8(5160'), B6(6751'), 24R: B7(5318'), B9(6751') 06R: A7(5137'), A6(6938'), 24L: A8(5269'), A9(6976') RWY06: After 2500ft L/G DN, After 1500ft L/D FLAP TAXI RTE 1, 2

RJBB(KIX) 17ft RKSI(ICN) 23ft KF KIX 130.95 **KF ICN 131 5** DCL -15분 KIX: SID - SOUJA tx (NADP 1) **ATC** 06L/R 058 058 058 (9000)HFLFN x - SOUIA tx **ATC** 24L/R 238 238 238 (9000)KIE 06L 06R 24L 24R 108.7 110.7 111.6 108.1 108.5 06L(15') 13123' 24R(23') HUD 06R (5') 24L (12') 13123' APU Start, TAXI RTE 1, 2 **DEP 119.2** Home TKO 132.7 - 133.8 TGU 120.57 APP 119.75 ICN: STAR 33/34 GUKDO xF **FNPIL GUKDO 180** 15/16 GUKDO xH MUNAN **GUKDO 180** 15L/R 33L/R 34L(23') 12303'

HUD

34R(23')

FIX RWY /8, /5 , YJU R271

33R : C4(7529'), C5(8513'), 33L : B5('), B6(')

15L : C2(7522'), C1(8536'), 15R : B3('), B2(')

34L: P7(5600'), P8(6578'), 34R: N4(6876'), N5(8507') 16R: P6(5597'), P5(6574'), 16L: N3(7043'), N2(8444') 8NM 180kts, 5NM 160kts, Parr TAXI 10kts이상, HIRO

16R(23')

16L(23')

13123'

RKSI(ICN) 23ft RJAA(NRT) 135ft **KE ICN 131.5** KE Tokvo 131.70 DCL -10분 TOBT 5분 차이시 CTC Comm ICN: SID (33/34 NADP 1, 15/16 NADP 2) **FGOBA** 5500/ 33L/R 333 333 333 xE/A ATC FGORA xY 333 34L/R 333 ATC 333 15L/R FGOBA xC 153 153 5000 153 16L/R FGOBA xH 153 153 5000 153 NCN 33L 33R 15L 15R 109.1 113.8 109.3 108.9 111.9 WNG 341 34R 161 16R 108.1 112.9 109.95 110.35 108.55 33L/R: NC05L/R, R242 34L/R: WNG333/4.6, R242 **YJU R271** YJU R271 33L/R 34L(23') 15L/R 16R(23') 12303' HUD 13123' 16L (23') 34R (23') Parallel TWY 10KTS 이상(R17 MAX 15kts) DEP 125.15 - TGU 134.17 - TKO 133.8 - 133.02 TKO 132.45 -124.1- 128.2 - TKO APP 124.4 NRT HAKKA 330, YAGAN 240, LIVET 210, SWAMP 150 SWAMP F FLGAR 34L/R ILS 34L/R(Z) (SWAMP T) (TYLER) SWAMP G **GFMIN** 16L/R ILS Z 16L/R (SWAMP N) (NORMA) 16L(135') 8202' 34R(141') HUD 16R(130') 13123' 34L(139') 16L: ITM 4 / 34R: ITJ 14, 4 (DME) FIX 16R: IKF 4 / 34L: IYQ 12. 4 (DME) 16L: B6(6433'), B7(7017'), 34R: B4(5849'), B2(6778') 16R: A6(6076'), A7(7624'), 34L: A5(6167'), A4(7641') L/D DOWN before 14/12 DME, L/D FLAP 4 DME Arrival Taxi RTE in Jeppesen (No Numbering)

RJAA(NRT) 135ft RKSI(ICN) 23ft KE Tokvo 131.70 KF ICN 131 5 DCL -15분 KIX : SID – ENPAR tx (NADP 1) 16L/R 157 157 ATC 157 TFTRA x ENPAR tx 34L/R 337 337 7000/ATC 337 NRF 16L 16R 34L 34R 117.9 110.7 111.5 111.9 110.9 16L(135') 8202' 34R(141') HUD 16R (130') 13123 34L (139') 34R: CLB 220/10000, A4R21/22/23 220KTS 확인 Verity ENPAR tx TETRA 12000A APU Start, TAXI RTE 1, 2, 3, 4 RWY 별 DEP RTE **DEP 124.2** TKO 120.5 - 133.45 - 133.02 - 133.8 TGU 120.57 APP 119.75 **ICN: STAR** 33/34 **GUKDO xE ENPIL GUKDO 180** 15/16 GUKDO xH MUNAN **GUKDO 180** 15L/R 33L/R 34L(23') 12303 16R(23') HUD 34R(23') 13123' 16L(23') RWY /8, /5, YJU R271 33R : C4(7529'), C5(8513'), 33L : B5('), B6(') 15L: C2(7522'), C1(8536'), 15R: B3('), B2(') 34L: P7(5600'), P8(6578'), 34R: N4(6876'), N5(8507') 16R: P6(5597'), P5(6574'), 16L: N3(7043'), N2(8444') 8NM 180kts, 5NM 160kts, Parr TAXI 10kts이상, HIRO

RKSI(ICN) 23ft RJCC(CTS) 70ft									
KE ICN 131.5 DCL -10분 TOBT 5분 차이시 CTC Comm									
	CN : SII	) (33/	34 N	ADP 1	, 15	/16 [	NADP	2)	
33L/R	EGO xE/		333		3	33	5500 ATO	•	333
34L/R	EGOB	A xY	3	33	333		ATO	-	333
15L/R	EGOB	АхС	1	53	1	53	5000		153
16L/R	EGOB	A xH	1	53	1	53	500	0	153
NC 113		33 109	_	33R 15 108.9 111					
WN 112		34 109				16L 110.35		16R 108.55	
-	33L/R : NC05L/R, R242 YJU R271 34L/R : WNG333/4.6, R242 YJU R271								
HUD	33L/R	34L(2	3')	12303' 15L/R			/R 16I	₹(2	23')
- שטח	34R (2	3')		13123' 16L (2		(23')			
F	Parallel	TWY 1	OKTS	이상	(R1	7 MA	X 15k	ts)	
DEP 125			17 -	TKO 1	33.8	- 133			
SPR 133 CTS APE		<u>3</u>					Н	Q	me
		TS : S	TAR (	(19R f	or C	AT II	)		
01R		TEI SC JKII W			YO ot Y	TEI OSEI	ILS	Y,	/Z 01R
19L	YUI	NAVER(170) YUNEY SOUTH (KAORY A)		1	KAORY YUNEY (KAORY)		ILS Z 191		Z 19L
HUD		01R(5) 01L(62			9843′				.(77') R(82')
01R : B4(5278'), B3(7047'), 19L : B8(5177'), B9(7119') 01L : A5(5538'), A4(6961'), 19R : A7(5390'), A8(6873')									

Do not Cross 01L/19R After L/D (No TWY)
TAXI to Gate Via D(J) or G

RJCC(CTS) 70ft RKSI(ICN) 23ft Chitose Oper 132.05 KF ICN 131 5 NO DCL -5분 CTS: SID (NADP 1) **DAIRIX** 002 002 ATC 002 ALL SLIVIT x 182 182 **ATC** SOSHU x 182 19L CHF 01R 01L 19R 111.5 116.9 110.75 109.35 110.9 19L(77') 01R(57') HUD 9843' 01L(62') 19R(82') APU. Deicing at the Gate R/H turn DCT to HWE -> Confirm R/H Turn ND **DEP 124.7** SPR 119.3 - TKO 132.3 - 132.45 - 133.8 TGU 120.57 Home APP 119.75

ICN: STAR 33/34 GUKDO xF **FNPIL GUKDO 180** 

15/16 GUKDO xH MUNAN 15L/R

33L/R 34L(23') 12303 16R(23') HUD

**GUKDO 180** 

34R(23') 13123' 16L(23')

RWY /8, /5, YJU R271

33R: C4(7529'), C5(8513'), 33L: B5('), B6(')

15L: C2(7522'), C1(8536'), 15R: B3('), B2(')

34L: P7(5600'), P8(6578'), 34R: N4(6876'), N5(8507')

16R: P6(5597'), P5(6574'), 16L: N3(7043'), N2(8444')

8NM 180kts, 5NM 160kts, Parr TAXI 10kts이상, HIRO

RKSI(ICN) 23ft RJTT(HND) 21ft									
KE ICN 131.5 DCL -10분 TOBT 5분 차이시 CTC Comm									
	ICN : SID (33/34 NADP 1, 15/16 NADP 2)								
33L/R	EGO xE/		333		3	33	5500/ ATC		333
34L/R	EGOB	A xY	3	33	3	333 A		ATC	
15L/R	EGOB	АхС	1	53	1	.53	500	0	153
16L/R	EGOB	A xH	1	53	1	.53	500	0	153
NC 113		33 109	_	33R 108.9		15L 111.9		15R 109.1	
	WNG 112.9		IL 34F			_	6L 0.35 1		16R 108.55
	112.9 109.95 108.1 110.35 108.55 33L/R : NC05L/R, R242 34L/R : WNG333/4.6, R242 YJU R271 YJU R271								
	33L/R	34L(2	3′)	1230	3'	15L,	/R 16I	₹(2	23')
HUD	34R (2	3')	13123'			16L (23')			
F	Parallel	TWY 1	OKTS	s 이싱	(R1	.7 MA	X 15k	ts)	
DEP 125		<u>iU 134.</u>	17 -	TKO 1	33.8	<u>– 133</u>			
TKO 133		- 119.6	5				н	Q	me
	HND:	SPENS	220	(Prin	nary	STA	R, API	P)	
34L	OSHI	MA xŀ	(	KAIH	0	ILS X	{		
22	OSHI	MA xE	3	васо	N	LDA	W(RN	IV	W 22)
16R	OSH	IMA R		NATT	Υ	RNP	(R16I	RT)	)
23		-	ı	DANO	N	LDA	W(RN	IV	W 23)
	3	4L(18	') 98	43'		16	5R(77'	) 8	268′
HUD	3	4R(21	') 98	43'		16L(19') 9744'			
	22/25/\ 0202/				22/55/\ 0205/				

34L: L12(6515'), L13(7165'), 22: B4(6207'), B3(6830') 16R: L5(5147'), L3(6361'), 23: D5(5072'), D3(6391') 180kts, 160kts limit APP Chart, GND Freq 차트 있음

23(55') 8202'

22(35') 8202'

RJTT(HND) 21ft RKSI(ICN) 23ft Delta Oper 132.075 KF ICN 131 5 DCL -15분 HND: SID - NADP 1 **RFKI A x RWY** RWY RWY ALL ATC OPPAR x H/D CRS H/D **HMF** 341 16R **34R** 161 22 23 112.2 111.7 111.55 108.9 111.95 108.1 110.5 34L(18') 9843' 16R(77') 8268' HUD 34R(21') 9843' 16L(19') 9744' 22(35') 8202' 23(55') 8202' 34L: HME 351/1.1, R095, 34R: HME R080, R095, 22: HME /2.2 R185 34R BEKLA: KAIJI 230kts, TORAM Flap5 SPD 16L: BEKLA: PLUTO 230kts **DEP 120.8** TKO 120.5 - 132.45 - 133.02 - 133.8 TGU 120.57 Home APP 119.75 ICN: STAR 33/34 **GUKDO xE ENPIL GUKDO 180** 15/16 GUKDO xH MUNAN **GUKDO 180** 15L/R 33L/R 34L(23') 12303' 16R(23') HUD 34R(23') 13123' 16L(23') RWY /8, /5, YJU R271 33R : C4(7529'), C5(8513'), 33L : B5('), B6(') 15L: C2(7522'), C1(8536'), 15R: B3('), B2(') 34L: P7(5600'), P8(6578'), 34R: N4(6876'), N5(8507')

16R: P6(5597'), P5(6574'), 16L: N3(7043'), N2(8444') 8NM 180kts, 5NM 160kts, Parr TAXI 10kts이상, HIRO

RKSI(ICN) 23ft RJGG(NGO) 12ft **KE ICN 131.5** SWISSPORT DCL -10분 TOBT 5분 차이시 OPERATION 132 05 CTC Comm ICN: SID (33/34 NADP 1, 15/16 NADP 2) **FGORA** 5500/ 33L/R 333 333 333 xE/A ATC **FGOBA xY** 333 34L/R 333 ATC 333 15L/R EGOBA xC 153 153 5000 153 16L/R EGOBA xH 153 153 5000 153 **NCN** 33L 33R 15L 15R 113.8 109.3 108.9 111.9 109.1 WNG 34L 34R 16L 16R 112.9 109.95 108.1 110.35 108.55 33L/R: NC05L/R, R242 34L/R: WNG333/4.6, R242 **YJU R271** YJU R271 33L/R 34L(23') 15L/R 16R(23') 12303' HUD 34R (23') 13123' 16L (23') Parallel TWY 10KTS 이상(R17 MAX 15kts) DEP 125.15 Home TGU 134.17 - TKO 133.8 - 133.02 센트레아 APP - 121.05

NGO: STAR (SAMON 290, MARIA 130)

PROBE

QUEST

11483'

ILS Z 36

**ILS Z 18** 

18(15')

CHESS(CARDS)

SOUTH
CHESS(CARDS)

NORTH

36: A6(5213'), A7(6525'), A8(7837') 18: A5(5393'), A4(6528'), A3(7841')

36(15')

RWY36: After 1500ft L/D FLAP RWY 18: After 3000ft L/G DN & L/D FLAP Caution Stop line, Yellow Ramp line, VDGS!!!

36

18

HUD

SWISSPORT OPERATION **KF ICN 131.5** 132.05 DCL-15분 NGO: SID - TANGO tx (NADP 1) **ATC** 36 356 356 356 (7000)**OUMI x** TANGO tx **ATC** 18 176 176 176 (7000)**CBF 117.8** 36 109.7 18 111.9 36(15') HUD 11483' 18(15') APU Start 30min, Prepare Intersection T/O Home **DEP 120.0** TKO 133.55 - 133.8 - TGU 120.52

RKSI(ICN) 23ft

RJGG(NGO) 12ft

APP - 119.75

22/24	CUIVDO F	ENIDII	CLIVE O 400
	ICN : S	TAR	

33/34 GUKDO xE ENPIL

**GUKDO 180** 

15/16 **GUKDO xH** MUNAN **GUKDO 180** 

15L/R

33L/R 34L(23') 12303'

16R(23') HUD

13123'

34R(23') 16L(23')

RWY /8, /5, YJU R271

33R : C4(7529'), C5(8513'), 33L : B5('), B6(') 15L: C2(7522'), C1(8536'), 15R: B3('), B2(')

34L: P7(5600'), P8(6578'), 34R: N4(6876'), N5(8507') 16R: P6(5597'), P5(6574'), 16L: N3(7043'), N2(8444')

8NM 180kts, 5NM 160kts, Parr TAXI 10kts이상, HIRO

RKSS(GMP) 59ft ZSSS(SHA) 10ft KE GMP 131.15 China Fastern 131.5 DCL -15분 가능 TOBT 5분 차이 시 CTC Comm Rwv 32R Takeoff (06:00L~0900L / 12:00L~15:00L /18:00L~21:00L) GMP: SID (NADP 1) BULTI xT 324 324 5000 324 32L/R 324 324 5000 324 (BULTI xO) **BULTI XU** 144 144 6000 144 14L/R (BULTI xZ) 144 144 6000 144 KIP 32L 32R 14L 14R 113.6 108.3 110.7 109.9 108.7 32L/R: KIP324/5, R220 14L/R: KIP144/4, R220 YIU R271 P73 /2 32L(41') 10499' 14R(34') HUD 32R(42') 11811' 14L(38') APRON(130.875) -> GND(121.9) -> TWR (All by ATC) CJU 124.52 SHA 120.95 SHA APP - 125.625 - 125.4 - 126.65 SHA: STAR ILS Z 18L **PUD 61A** SS204 above 2960ft PUD ORH

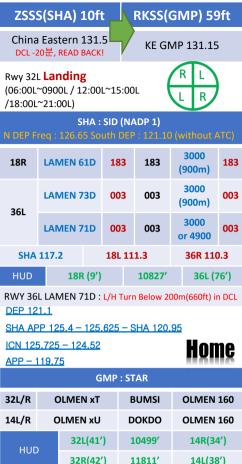
#### Below 2960ft SHA QRH ILS Z 36R **PUD 71A** SS405 HUD 10499'

18L(6') 36R(9')

18L: A3(6555'), A4(7578') 36R: A2(5738'), A1(7089')

Traffic PTN West of RWY, Landing East RWY Normally

Des 550m (1800ft) L08. L09 not available B737 Shall CTC Apron Before Entering



KIP /8(RWY 32), YJU R271, P73 /2

32L: D3(6532'), E2(9117'), 32R: E1(6614')

32L/R: 8 KIP L/G, 14R: LOC CAPT L/G

TWR -> GND -> APRON (All by ATC) Except RWY14R Landing (Until R)

14R: C1(6578')

FAF: Final Flap

RKSS(GMP) 59ft RJBB(KIX) 17ft KE GMP 131.15 KF KIX 130.95 DCL -15분 가능 TOBT 5분 차이 시 CTC Comm Rwv 32R Takeoff (06:00L~0900L / 12:00L~15:00L /18:00L~21:00L) GMP: SID (NADP 1) BULTI xT 324 324 5000 324 32L/R (BULTI xQ) 324 324 5000 324 **BULTI xU** 144 144 6000 144 14L/R (BULTI xZ) 144 144 6000 144 KIP 32L 32R 141 14R 113.6 108.3 110.7 109.9 108.7 32L/R: KIP324/5, R220 14L/R: KIP144/4, R220 YIU R271 P73 /2 32L(41') 10499' 14R(34') HUD 32R(42') 11811' 14L(38') APRON(130.875) -> GND(121.9) -> TWR (All by ATC) DEP 125.15 - TGU 134.17 - TKO 133.8 KIX RDR 120.85 Home KIX APP 120.25 KIX: STAR (SAEKI 170, RANDY 150) ALISA B ILS Y 06L 061 RFRRY 06R ALISA A ALLAN ILS Y 06R 24L/R ALISA C ILS Z 24L/R MAYAH 06L(15') 13123' 24R(23') HUD 06R(5') 11483' 24L(12')

06L: B8(5160'), B6(6751'), 24R: B7(5318'), B9(6751') 06R: A7(5137'), A6(6938'), 24L: A8(5269'), A9(6976')

RWY06: After 2500ft L/G DN, After 1500ft L/D FLAP TAXI RTE 1, 2

RJBB(KIX) 17ft RKSS(GMP) 59ft KF KIX 130.95 KE GMP 131.15 DCL -15분 **Rwy 32L Landing** (06:00L~0900L / 12:00L~15:00L /18:00L~21:00L) KIX: SID - SOUJA tx (NADP 1) ATC 06L/R 058 058 058 (9000)HFI FN x - SOUIA tx ATC 24L/R 238 238 238 (9000)KIF 061 06R 241 24R 111.6 108.7 108.1 110.7 108.5 06L(15') 24R(23')

HUD

**DEP 119.2** 

14L/R

HUD

14R: C1(6578')

FAF: Final Flap

06R (5')

13123' 13123'

APU Start, TAXI RTE 1, 2

24L (12')

TKO 132.7 - 133.8 **GMP: STAR** 

DOKDO

10499'

11811'

OLMEN 160

14R(34')

14L(38')

# TGU 120.57 Home APP 119.75

KIP /8(RWY 32), YJU R271, P73 /2

32L/R OLMFN xT BUMSI OLMEN 160

OLMEN xU

32L(41')

32R(42')

32L: D3(6532'), E2(9117'), 32R: E1(6614')

32L/R: 8 KIP L/G, 14R: LOC CAPT L/G

TWR -> GND -> APRON (All by ATC) Except RWY14R Landing (Until R)

# WELCOME 방송 손님 여러분, 안녕하십니까? 저는 기장 입니다. 저희 대한항공을 이용해 주셔서 대단히 감사한니다. 여러분을 목적지 (국제)공항까지 안전하게 모시기 위해 최선을 다하겠습니다. 감사합니다. Good morning (afternoon /evening), ladies and gentlemen. This is captain last name speaking. Welcome aboard Korean Air. This flight is bound for \_\_\_\_(international) airport.

Please enjoy the flight. Thank you.								
RKSS	서울/김포국제	RJBB	오사카/간사이					
RKSI	서울/인천국제	RJTT	도쿄/하네다					

RJGG 나고야/주부(센트레아)

상하이/홍차오

제주국제 도쿄/나리타 RKPC RIAA

삿포로/신(뉴) 치토세 **RKPK** 부산/김해국제 RJCC

RKJJ 광주 ZSSS 대구국제 RKTN

청주국제

RKTU

# ☐ China, Mongolia & North Korea

Meter/Feet Conversion Table

■ FL Conversion
Westhound

Westb	ound		Eastbound		
(180° ~	359°)		(360° ~	- 179°)	
40400 **	10000 ==		13700 M	44900 FT	
13100 M	43000 FT		12500 M	41100 FT	
12200 M	40100 FT		11900 M	39100 FT	
11600 M	38100 FT		11300 M	37100 FT	
11000 M	36100 FT		10700 M	35100 FT	
10400 M	34100 FT		10100 M	33100 FT	
9800 M	32100 FT		9500 M	31100 FT	
9200 M	30100 FT		8900 M	29100 FT	
8400 M	27600 FT		0300 W	2310011	
			8100 M	26600 FT	
7800 M	25600 FT		7500 M	24600 FT	
7200 M	23600 FT		6900 M	22600 FT	
6600 M	21700 FT		6300 M	20700 FT	
6000 M	19700 FT		5700 M	18700 FT	
5400 M	17700 FT		5100 M	16700 FT	
4800 M	15700 FT				
4200 M	13800 FT		4500 M	14800 FT	
			3900 M	12800 FT	
3600 M	11800 FT		3300 M	10800 FT	
3000 M	9800 FT		2700 M	8900 FT	
2400 M	7900 FT		2100 M	6900 FT	
1800 M	5900 FT		1500 M	4900 FT	
1200 M	3900 FT				

■ ALT/HE	IGHT Conversi	550M	1800ft
Meter	Feet	Meter	Feet
1000 M	3300 FT	500M	1600FT
900 M	3000 FT	450M	1500FT
800 M	2600 FT	400 M	1300 FT
700 M	2300 FT	350 M	1100 FT
600 M	2000 FT	300 M	1000 FT



# **COLD TEMP CORRECTION 1/2** Min 은 반드시 수정 (중간 고도 CORRECTION은 PIC 결정) Missed App 고도는 ATC 협조 필요 GMP 32L (261') / 32R (262') / 14R (254')

32L/R	8000	5500	4000	2800	2300	2000	4000
0	8450	5810	4230	2970	2440	2120	4230
-	0000	E020	4240	2020	2400	2460	4246

Home

CJJ 06L (387') / 24R (296')

CJU 07 (307') / 25 (296')

ICN, KWJ, PUS next page

-10

R14

n

-5

-10

n

-5

-10

06L

-5

-10

24R

n

-5

-10

COLD TEMP CORRECTION 2/2										
ICN ALL RWY (243')										
33/34	7000	6000	5000	3600	2600	1600				
0	7400	6340	5290	3810	2760	1700				
-5	7520	6460	5390	3880	2810	1730				
-10	7680	6580	5490	3950	2860	1760				
15/16	3000	2600	1600		4000		3000			
0	3170	2760	1700		4230		3170			
-5	3230	2810	1730		4310		3230			
-10	3290	2860	1760		4390		3290			
	KWJ	04R(26	6′),04L	.(610')	/ <b>22L</b> (6	10′)				
04L/R	4000	3000	2000				7000			
0	4230	3170	2120		lam	_	7500			
-5	4310	3230	2160		lom	t	7590			
-10	4390	3290	2200				7680			
22L	5000	4100	3500	2900	2200		4000			
0	4230	3170	2120	3070	2340		4230			
-5	4310	3230	2160	3130	2430		4310			
-10	4390	3290	2200	3190	2420		4390			
PU	JS 36L(2	233'),3	6R(228	') / 18L	/R (see	below	<b>/</b> )			
36L/R	6000	5000	3300	2100		6000				
0	6340	5290	3490	2210		6340				
-5	6460	5390	3560	2250		6460				
-10	6580	5490	3620	2290		6580				
18L/R	6000	5000	4000	2600	1700		6000			
0	6340	5290	4230	2760	1800		6340			
-5	6460	5390	4310	2810	1830		6460			
-10	6580	5490	4390	2860	1870		6580			

# COLD Wx 1/2

OAT (GND) / TAT (TAT) is 10°C (50°F) or below: visible moisture (clouds, fog with VIS 1SM (1600 m) or rain, snow, sleet, ice crystals...)

· ice, snow, slush and standing water is present

on the ramps, taxiways, or runways, PREFLIGHT

- PROBE HEAT switches . . . . . . ON

# **ENGINE START**

(-35도 TH변경전 2분간 IDLE) (Min Oil Press 까지 IDLE 유지 (수분간)) (Oil Temp - Nor 후 Oil Press High시 ShutDown)

#### FNGINE ANTI-ICE

## - ENGINE START switches . . . . . . . . . . . CONT

(COWL V/V OPEN 지속 Bright시 APU Bleed OFF. ISO V/V AUTO. TH 서서히 Max 30%)

# WING ANTI-ICE

(Type II or IV Deicing안할 거면 사용하라)

#### AFTER START - GENERATOR 1 and 2 switches....ON

- (IDG 1분이내 안정, 5분이내 Steady Power) - FLIGHT controls . . . . . . . . . . . . . . Check
- (Deicing 할거면 Deicing 하고 한다.) - FLAPS . . . . . Check
- (Full Travel UP 40 UP, FLAP UP 고려)

# TAXI OUT

(OAT 3도 이하 RUN UP: Behind CLR, 70% 허락 하는한, 30초, 30분 간격) -8: (50%-IDLE, 60분간 격)

(Ice Shedding: freezing rain, freezing drizzle, freezing fog or heavy snow - 70%, 1초, 10분간격) -8: 없음

### COLD Wx 2/2 **BEFORE T/O Takeoff Signal - FLAPS 5** - FLAPS SFT TAKEOFF (-8: Oil Temp 31도 이상) - THRUST ... (min 70%(50%), 30초(5초))RUNUP (ENG ANTI-ICE + OAT 3도이하) NO RUNUP(OAT 3도이상) NG 70%, -8:50% 5초 **FNGINE ANTI-ICE** - ENGINE START switches . . . . . . . . CONT - ENGINE ANTI-ICE switches . . . . . . . . . . . . . ON (-40도 이하 금지, 강하중 가능) (COWL V/V OPEN 지속 Bright시 APU Bleed OFF, ISO V/V AUTO, TH 서서히 Max 30%) FAN ICE REMOVAL (Moderate Severe 가능하면 회피하라 아니면..) - ENGINE START switches (both) ........FLT - Autothrottle (if engaged) . . .. . . . . Disengage - THRUST . . . . . . . (min 80%, 1 초) Increase (15초이내 Vib 4.0이하 안정화 15분 간격 반복) - Autothrottle (if needed) . . . . . . . . . Engage (4.0 보다 크면 Engine High Vibration Check List!!!) WING ANTI-ICE (Icing 보이면 Deicer로 사용, Anti-icer도 사용가능) (FL350이상 사용금지 -> Emer Descend) (Icing 지역 Holding - Flap 사용금지) APPROACH L/D (FLAP 15 필수 조건일 경우만 VREF ICE 사용) AFTER L/D, SHUTDOWN (TAXI RUNUP, ICE SHEDDING 절차적용) - FLAPS . . . . . . . . . . . . . . . . . 15 까지만

# ome

- ENG ANTI-ICE . . . . . ENG ShutDown전 OFF - Stabilizer trim . . . . . . . . Set 5 units - ENGINE . . . . . . . . . . ShutDown

# **ENG ON Deicing in ICI** ICN Deicing "Deicing Required ENG On Deicing" ICN Apron "Req Pushback Deicing Zone xxx" Tx 2000 -> Pad Control -> Ice Man PARKING BRAKE ----- SET

Report Parking Brake SET - > Ice Man B737-8 BROADBAND SYS s/w ----- OFF FLAPS ----

THRUST LEVERS -----IDLE

**ENGINE BLEED AIR SWITCHES ---- OFF** APU BLEED air switch ----- OFF START DE/ANTI-ICING REQ DCL 항공기이동 및 Configuration 변경 금지

AFTER DE/ANTI-ICING IS COMPLETED (TIME CHECK 1분) 용액과 마지막 용액 뿌린 시간 받고 적는다. Holdover Time 결정!!!

TIME CHECK 1분후 APU BLEED air switch ----- As needed Engine BLEED air switches ----- ON

FLAP LEVER ----- Set for takeoff or UP ice, snow, slush or standing water, 강수 지속시 -FLAP UP고려 Flight controls ----- Check, as needed After Start Cheklist

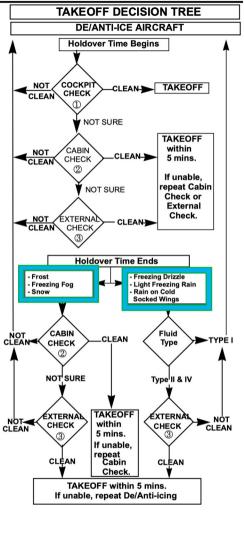
TAXI OUT (OAT 3도 이하 RUN UP: Behind CLR. 70% 허락

하는한, 30초, 30분 간격) -8: (50%-IDLE, 60분간격) BEFORE TAKEOFF TAKEOFF SIGNAL -> FLAPS 5

FLAPS ----- Set(for takeoff) TAKEOFF (-8: Oil Temp 31도 이상) - THRUST ... (min 70%(50%), 30초(5초))RUNUP

NO RUNUP(OAT 3도이상) NG 70%, -8: 50% 5초 **DECISION TREE next page** 

(ENG ANTI-ICE + OAT 3도이하)



# Home

ENG OFF Deicing in GMP KE GMP "Deicing Information" REQ DCL Apron "Reg Pushback Deicing Required PADxxx" PARKING BRAKE ----- SET Establish communications with GND personnel. B737-8 BROADBAND SYS s/w ----- OFF FLAPS ------ UP
THRUST LEVERS -----IDLE **ENGINE BLEED AIR SWITCHES ---- OFF** APU BLEED air switch ----- OFF APU. APU GENERATOR bus switches ----- ON ENGINE ANTI-ICE switches----- OFF Engine Start levers ----- CUTOFF SHUTDOWN CHECKLIST 항공기이동 및 Configuration 변경 금지 **HOME** AFTER DE/ANTI-ICING IS COMPLETED (TIME CHECK 1분) 용액과 마지막 용액 뿌린 시간 받고 적는다. Holdover Time 결정!!! TIME CHECK 1분후 APU BLEED air switch ----- ON PREFLT CHKlist -> Reg STARTUP -> CHKlist

AFTER BOTH ENGINES ARE STARTED

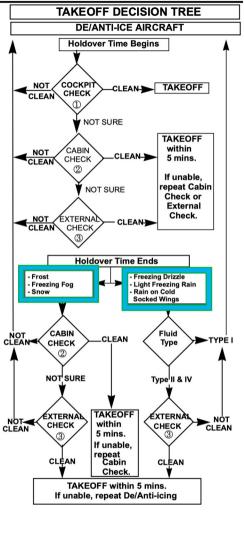
**ENGINE ANTI-ICE switches----As needed** B737-8 BROADBAND SYS s/w ----- ON APU----- As needed

Engine BLEED air switches ----- ON FLAP LEVER ----- Set for takeoff or UP

ice, snow, slush or standing water, 강수 지속시 -FLAP UP고려

Flight controls ----- Check, as needed **AFTER START CHKlist (ATC CLR Confirm)** 

TAXI, BEFORE TAKEOFF, TAKEOFF cold wx 참조!!! DECISION TREE next page



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