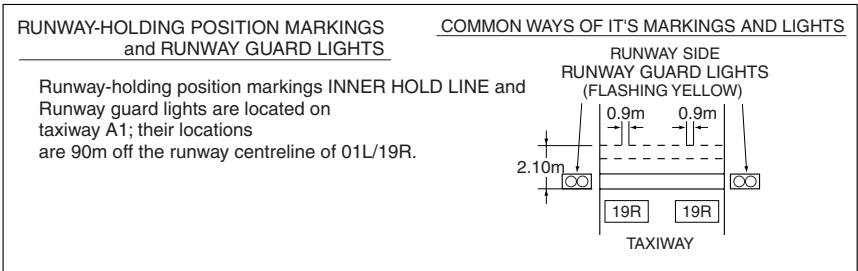
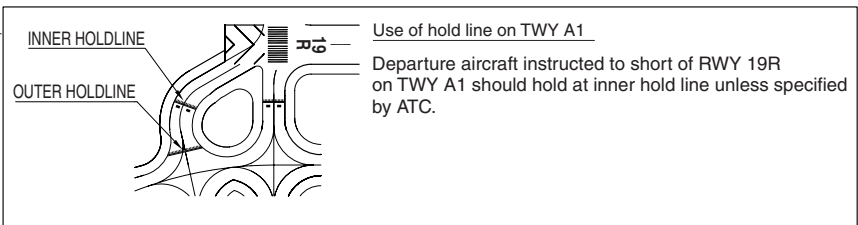
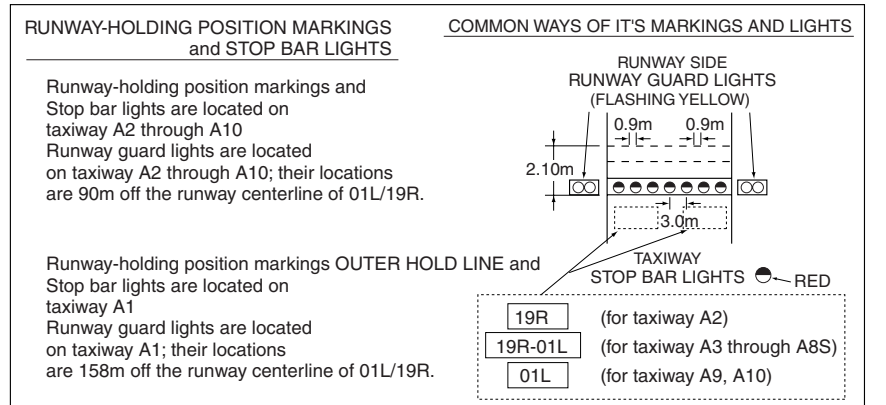
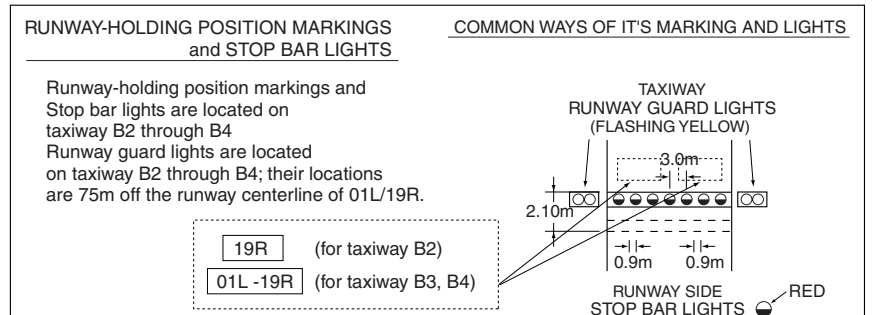
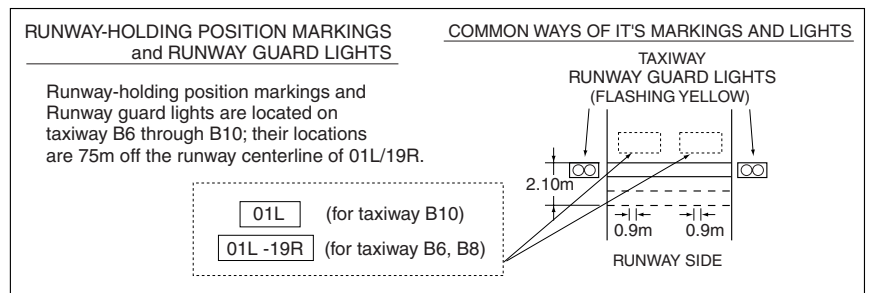
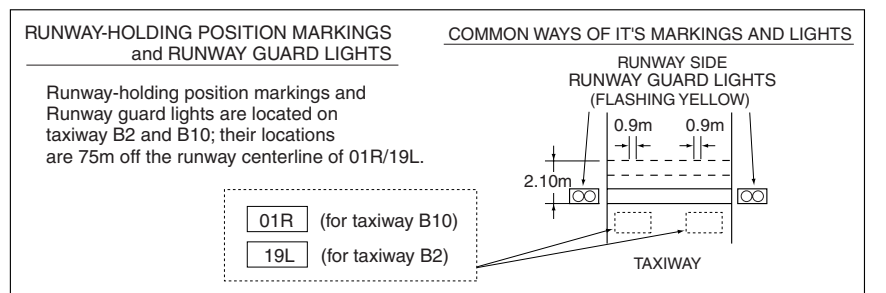
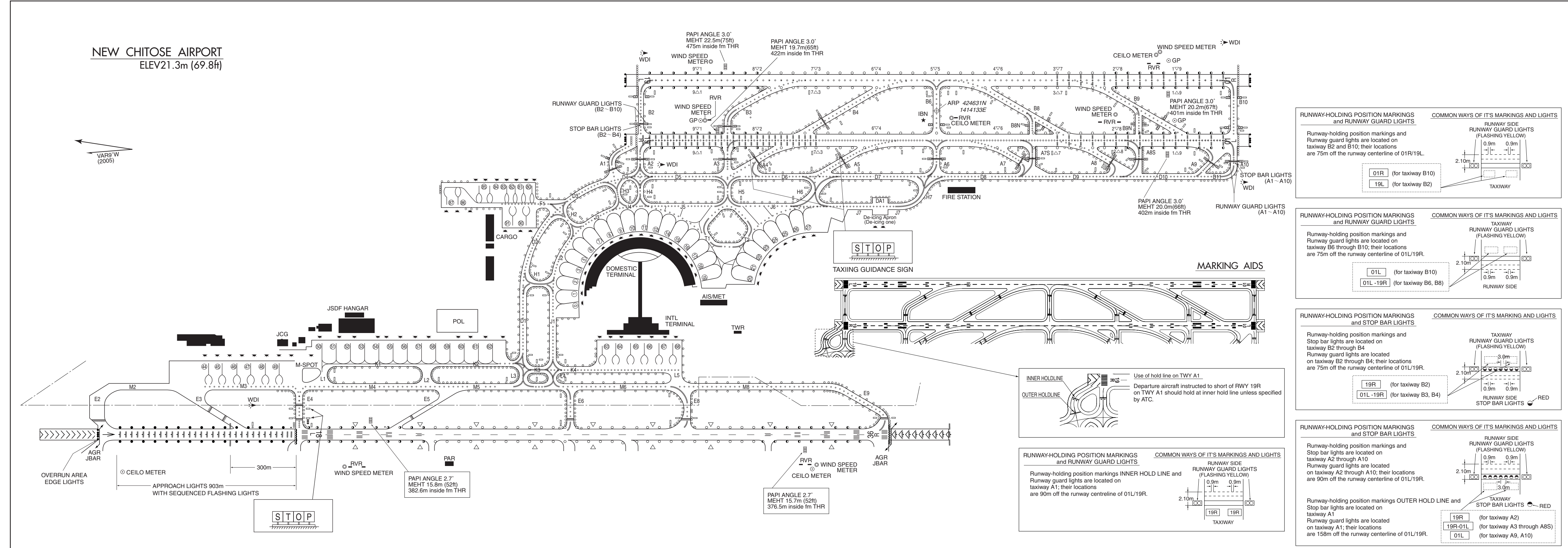


AERODROME CHART

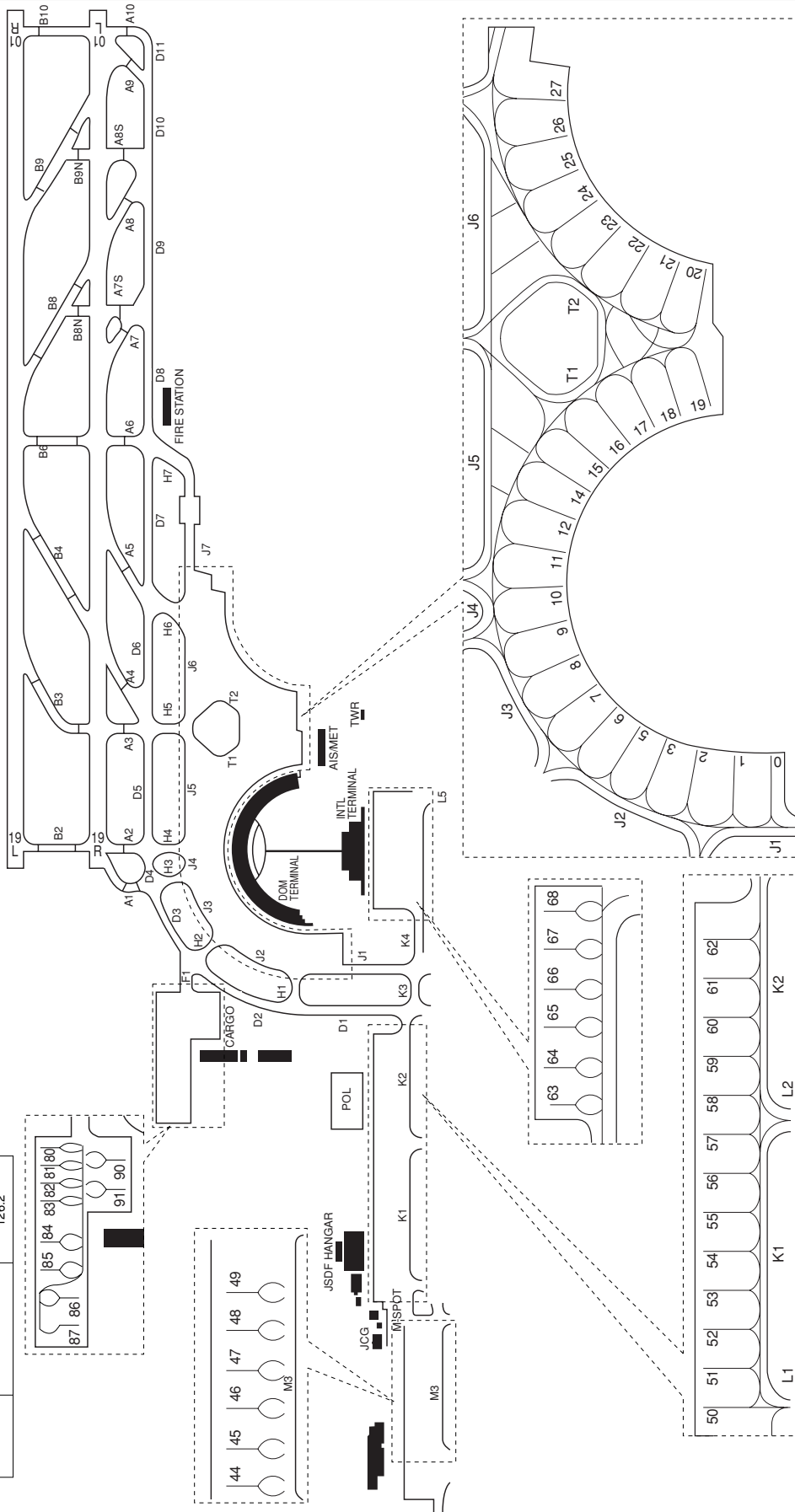


AD CHART

RJCC / NEW CHITOSE

Designation	Call Sign	Frequency (MHz)
ATIS	New Chitose Airport	128.6
DLVRY	Chitose Delivery	121.9
GND	Chitose Ground	121.6
TWR	Chitose Tower	118.8 126.2

NEW CHITOSE AIRPORT  
ELEV21.3m (69.8ft)



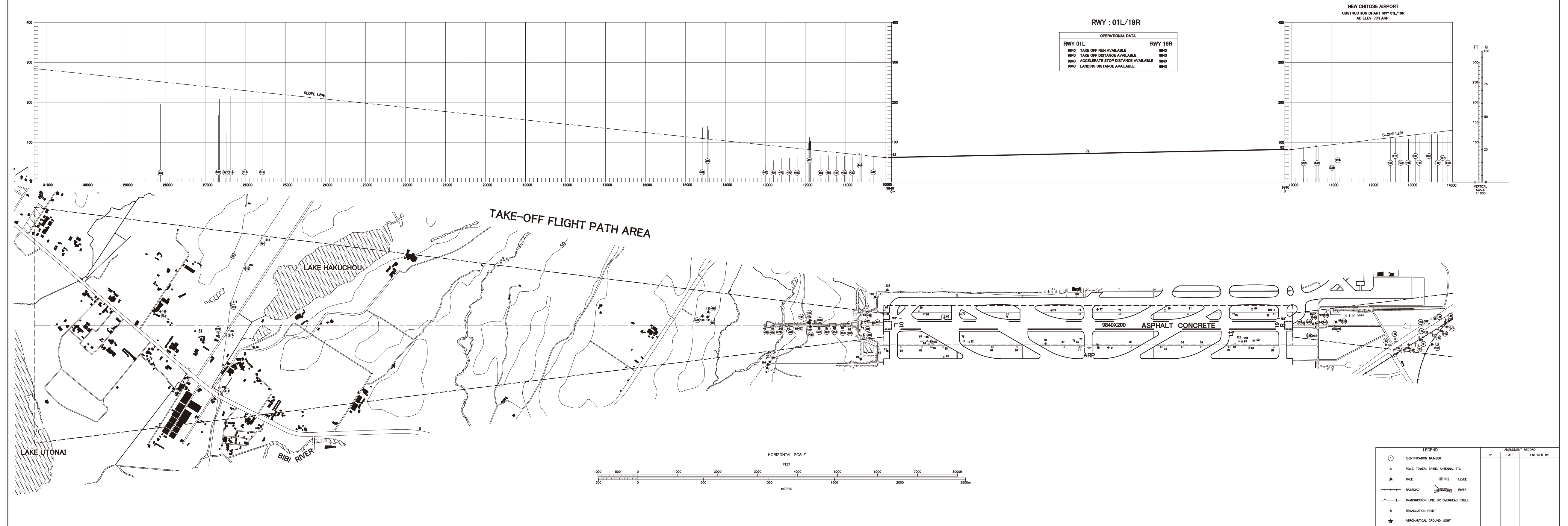
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AERODROME OBSTRUCTION CHART-ICAO  
TYPE A (OPERATING LIMITATIONS)

RJCC / NEW CHITOSE AIRPORT

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 9° 7.3' W-MAR 2003



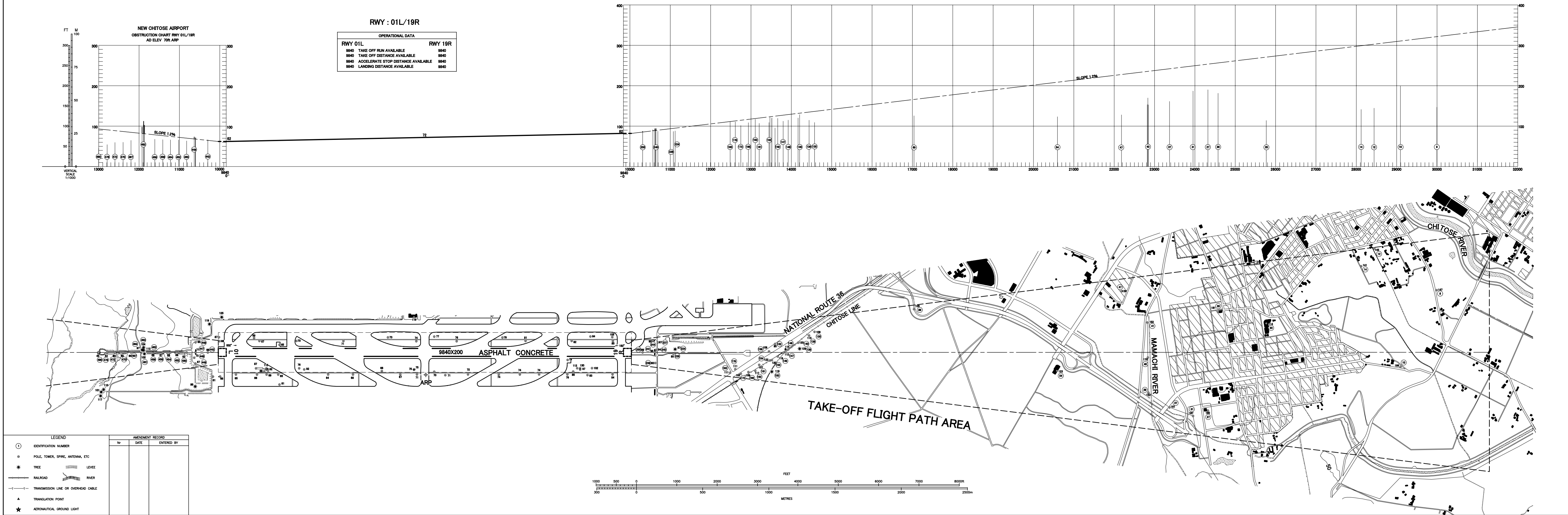


AERODROME OBSTRUCTION CHART-ICAO  
TYPE A (OPERATING LIMITATIONS)

RJCC / NEW CHITOSE AIRPORT

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 9° 7.3' W-MAR 2003

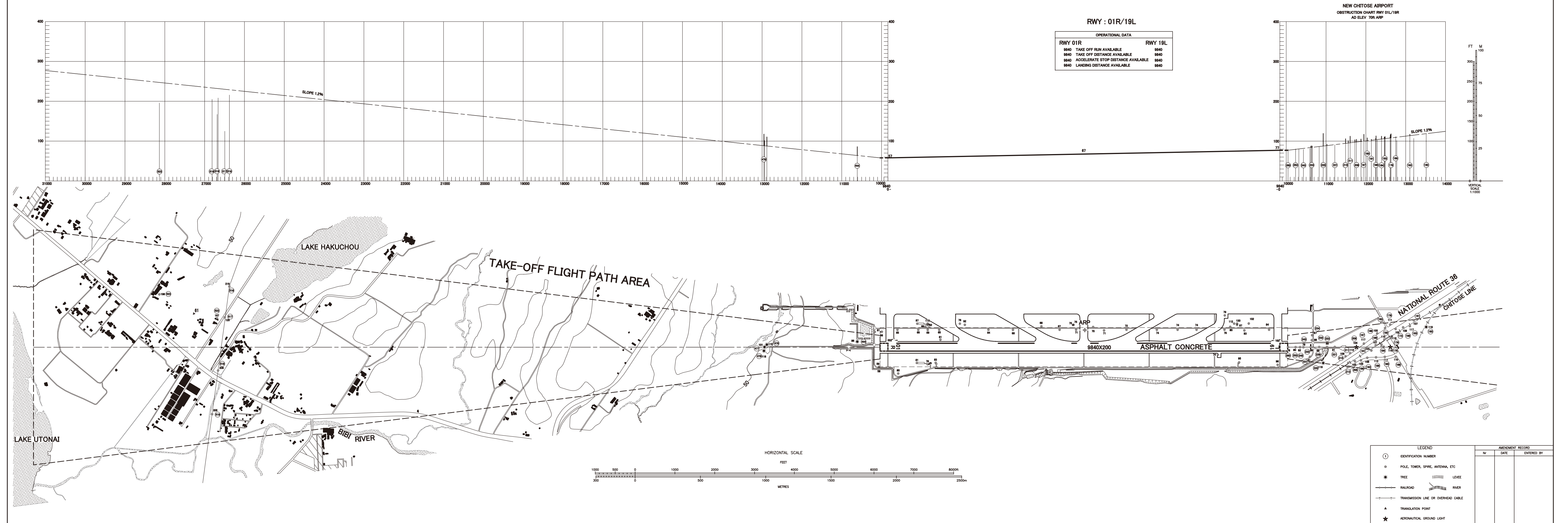


AERODROME OBSTRUCTION CHART-ICAO  
TYPE A (OPERATING LIMITATIONS)

RJCC / NEW CHITOSE AIRPORT

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 9° 7.3' W-MAR 2003

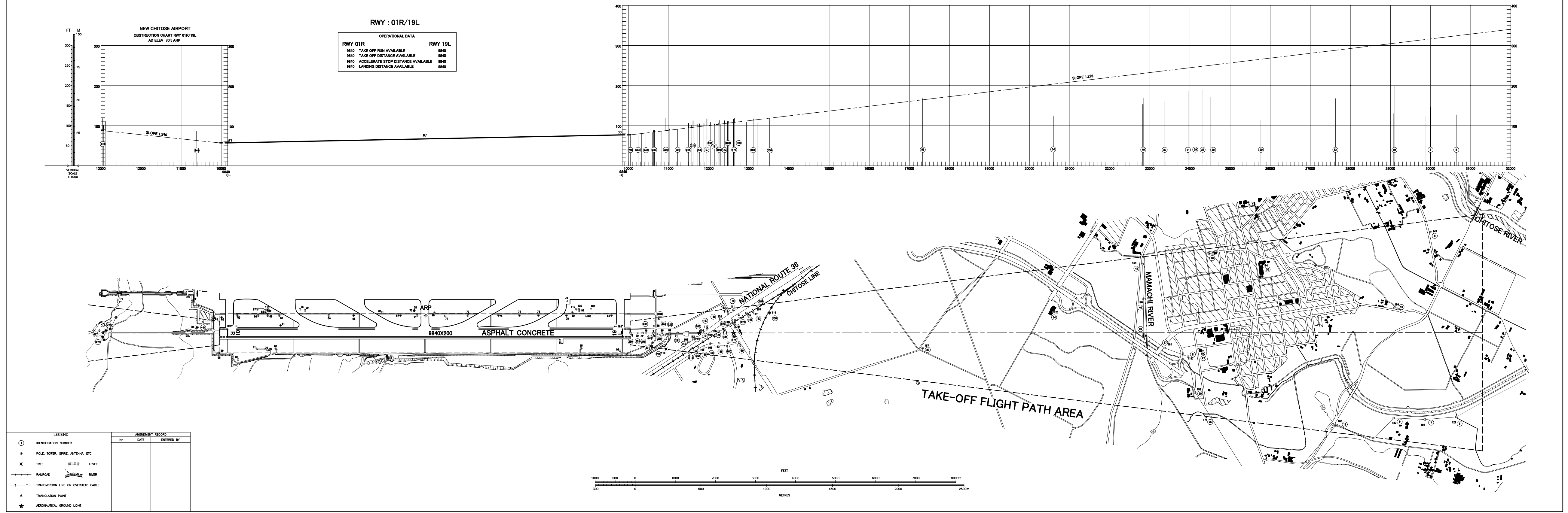


AERODROME OBSTRUCTION CHART-ICAO  
TYPE A (OPERATING LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

RJCC / NEW CHITOSE AIRPORT

MAGNETIC VARIATION 9° 7.3' W-MAR 2003





AERODROME OBSTRUCTION CHART-ICAO  
TYPE B

RJCC / NEW CHITOSE AIRPORT

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

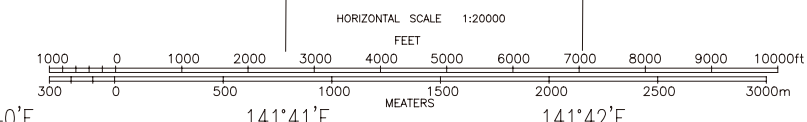
AERODROME ELEVATION 70ft ARP



LEGEND		
	AERODROME REFERENCE POINT	42°46'37"N 141°41'33"E
	POLE, TOWER, SPIRE, ANTENNA, ETC	
	AERODROME LIGHT	
	OBSTRUCTION LIGHT	
	BUILDING OR LARGE STRUCTURE	
	RAILROAD	
	TRANSMISSION LINE OR OVERHEAD CABLE	
	CONTOUR	
	RIVER	
	LAKE	

AMENDMENT RECORD		
No	DATE	ENTERED BY





STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

SID

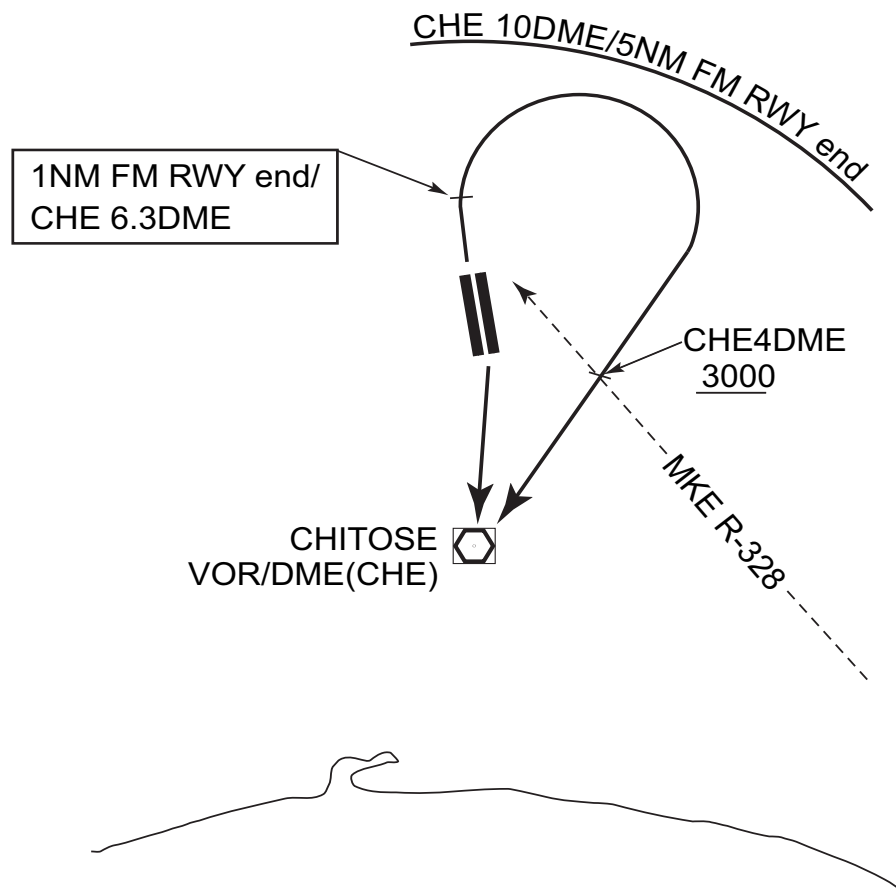
CHITOSE FOUR DEPARTURE

RWY 01L/01R: Climb via RWY HDG until 1NM FM RWY end/CHE 6.3DME, turn right, proceed to CHE VOR/DME within CHE 10DME (5NM FM RWY end).

Cross 4DME prior to CHE VOR/DME (MKE R-328) at or above 3,000ft.

RWY 19R/19L: Climb direct to CHE VOR/DME.

CHITOSE FOUR DEPARTURE



STANDARD DEPARTURE CHART-INSTRUMENT

RJCC/NEW CHITOSE

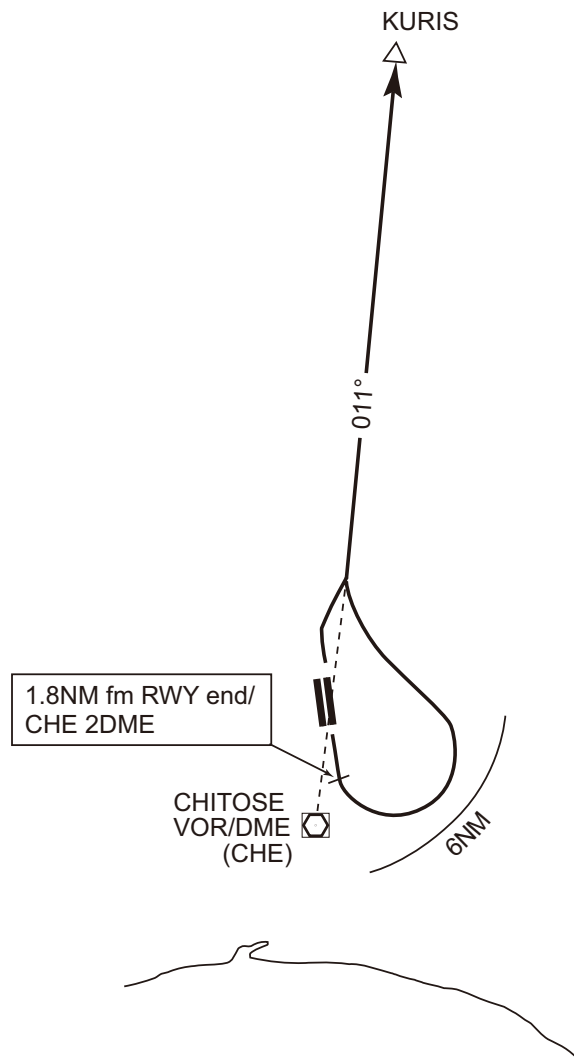
SID

KURIS SEVEN DEPARTURE

RWY 01L/01R: ....

RWY 19R/19L: Climb via RWY HDG until 1.8NM from RWY end/CHE  
2.0DME, turn left within 6NM,...  
...climb via CHE R-011 to KURIS.

KURIS SEVEN DEPARTURE



STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

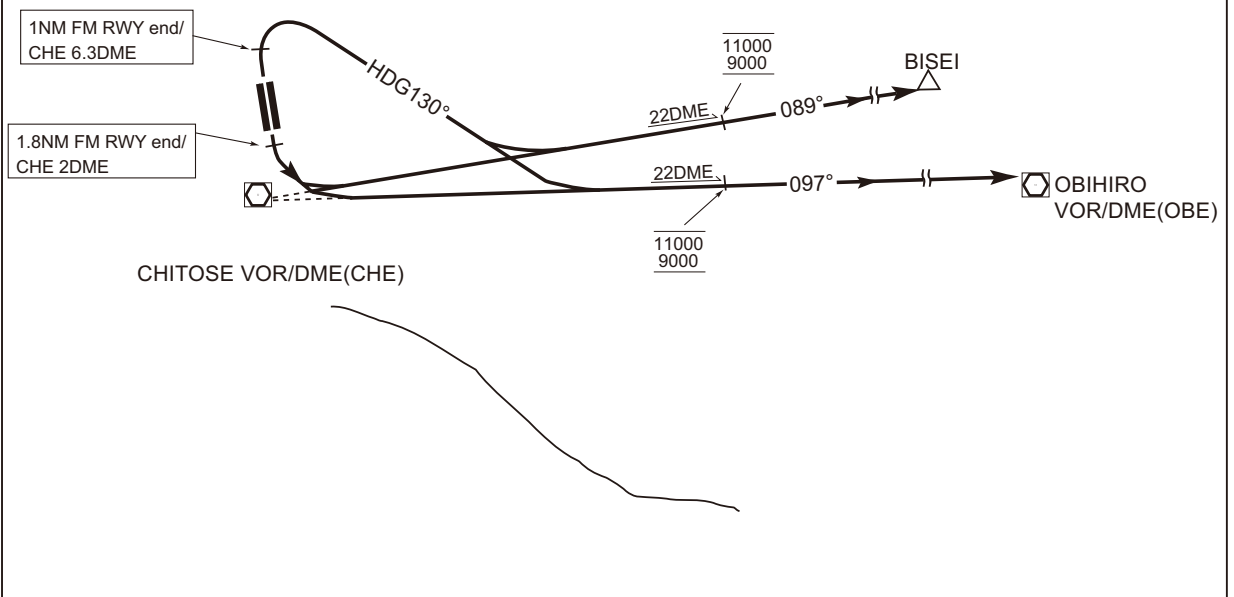
SID

TOKACHI EIGHT DEPARTURE

RWY 01L/01R: Climb via RWY HDG until 1NM FM RWY end/CHE 6.3DME, turn right, climb via HDG 130 DEG to intercept and proceed via,...

RWY 19R/19L: Climb via RWY HDG until 1.8NM FM RWY end/CHE 2.0DME, turn left, climb via, ...CHE R-089 to BISEI or CHE R-097 to OBE VOR/DME.  
Cross CHE R-089/22DME or CHE R-097/22DME between 9,000ft and 11,000ft.

TOKACHI EIGHT DEPARTURE



STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

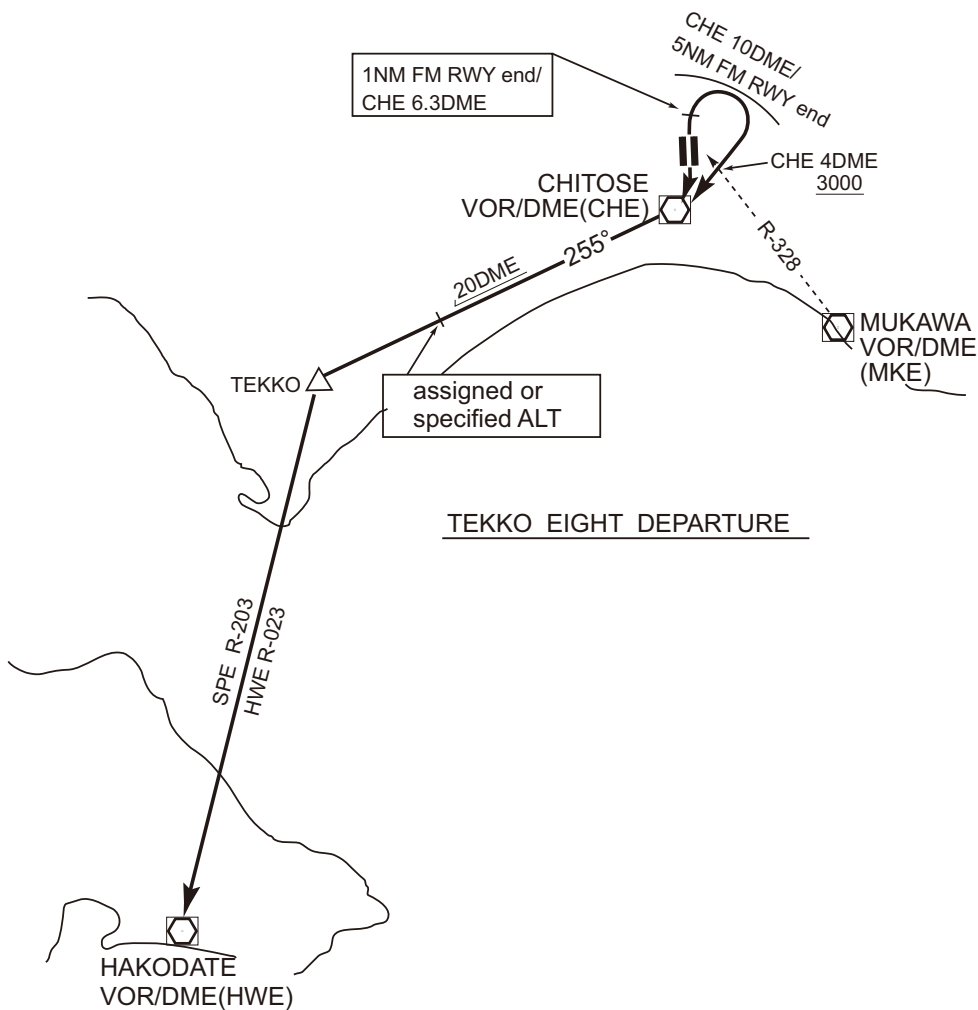
SID

TEKKO EIGHT DEPARTURE

RWY 01L/01R : Climb via RWY HDG until 1NM FM RWY end / CHE 6.3DME, turn right, proceed to CHE VOR/DME within CHE 10DME (5NM FM RWY end), cross 4DME prior to CHE VOR/DME (MKE R-328) at or above 3,000ft,...

RWY 19R/19L : Climb direct to CHE VOR/DME, ...turn right, via CHE R-255 to TEKKO, then via SPE R-203 / HWE R-023 to HWE VOR/DME.  
Cross CHE R-255/20DME at assigned or specified altitude.

Note: Aircraft unable to comply with the flight restriction, inform ATC for alternate procedure before departure.





STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

SID

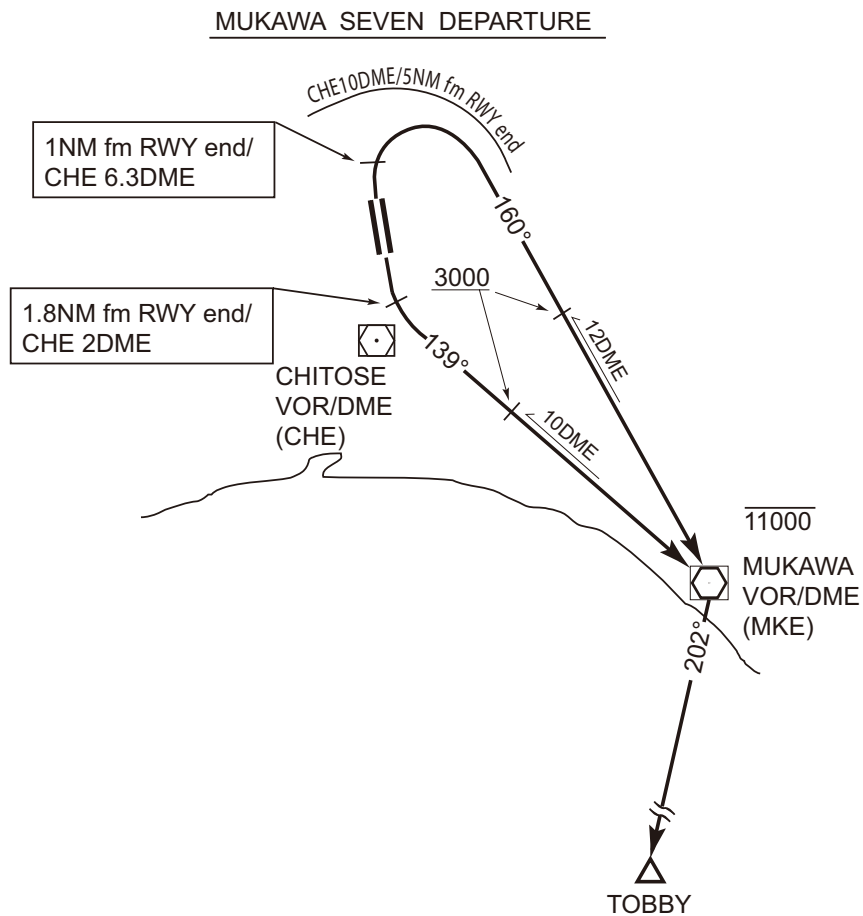
MUKAWA SEVEN DEPARTURE

RWY 01L/01R: Climb via RWY HDG until 1NM from RWY end/CHE 6.3DME, turn right within CHE 10DME(5NM from RWY end), climb via MKE R-340 to MKE VOR/DME, then via MKE R-202 to TOBBY.

Cross MKE R-340/12DME at or above 3,000FT, cross MKE VOR/DME at or below 11,000FT.

RWY 19R/19L: Climb via RWY HDG until 1.8NM from RWY end/CHE 2.0DME, turn left, climb via MKE R-319 to MKE VOR/DME, then via MKE R-202 to TOBBY.

Cross MKE R-319/10DME at or above 3,000FT, cross MKE VOR/DME at or below 11,000FT.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

SID

TOBBY EIGHT DEPARTURE

RWY 01L/01R : Climb via RWY HDG until 1NM FM RWY end / CHE 6.3DME, turn right, proceed to CHE VOR/DME within CHE 10DME (5NM FM RWY end), then via CHE R-185 to TOBBY.

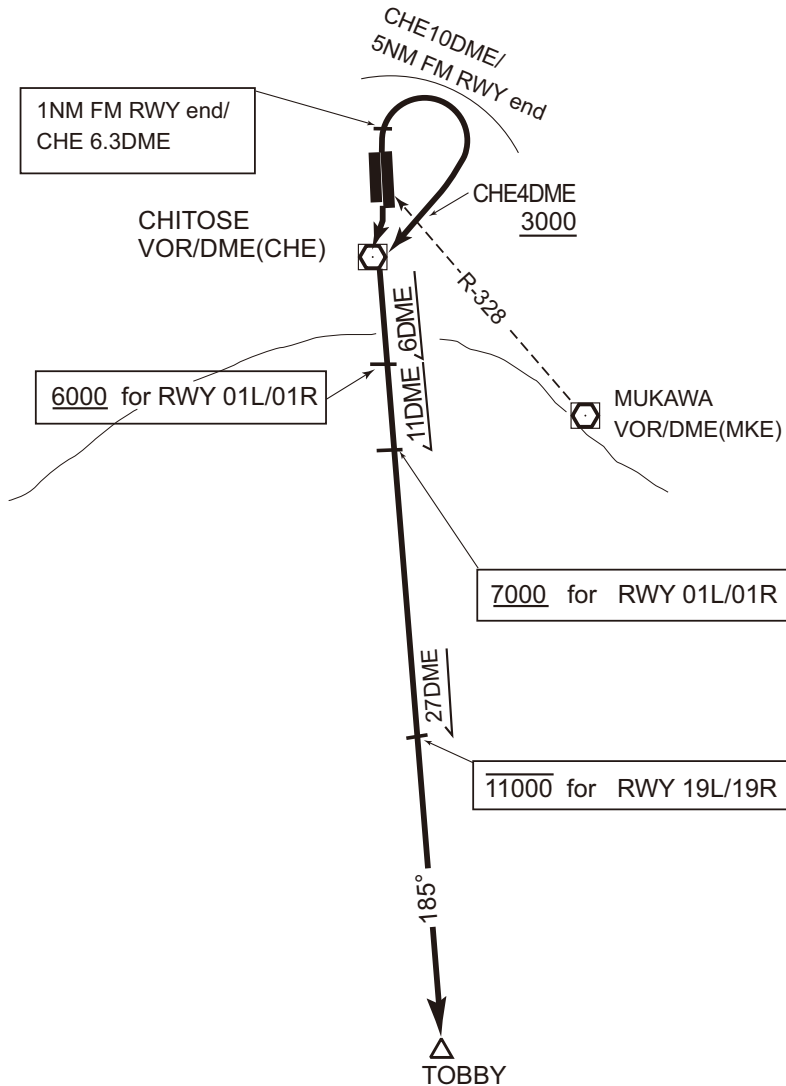
Cross 4DME prior to CHE VOR/DME (MKE R-328) at or above 3,000ft, cross CHE R-185/6DME at or above 6,000ft, cross CHE R-185/11DME at or above 7,000ft.

RWY 19R/19L : Climb direct to CHE VOR/DME, then via CHE R-185 to TOBBY.

Cross CHE R-185/27DME at or below 11,000ft.

Note : Aircraft unable to comply with the flight restriction, inform ATC for alternate procedure before departure.

TOBBY EIGHT DEPARTURE



STANDARD DEPARTURE CHART-INSTRUMENT

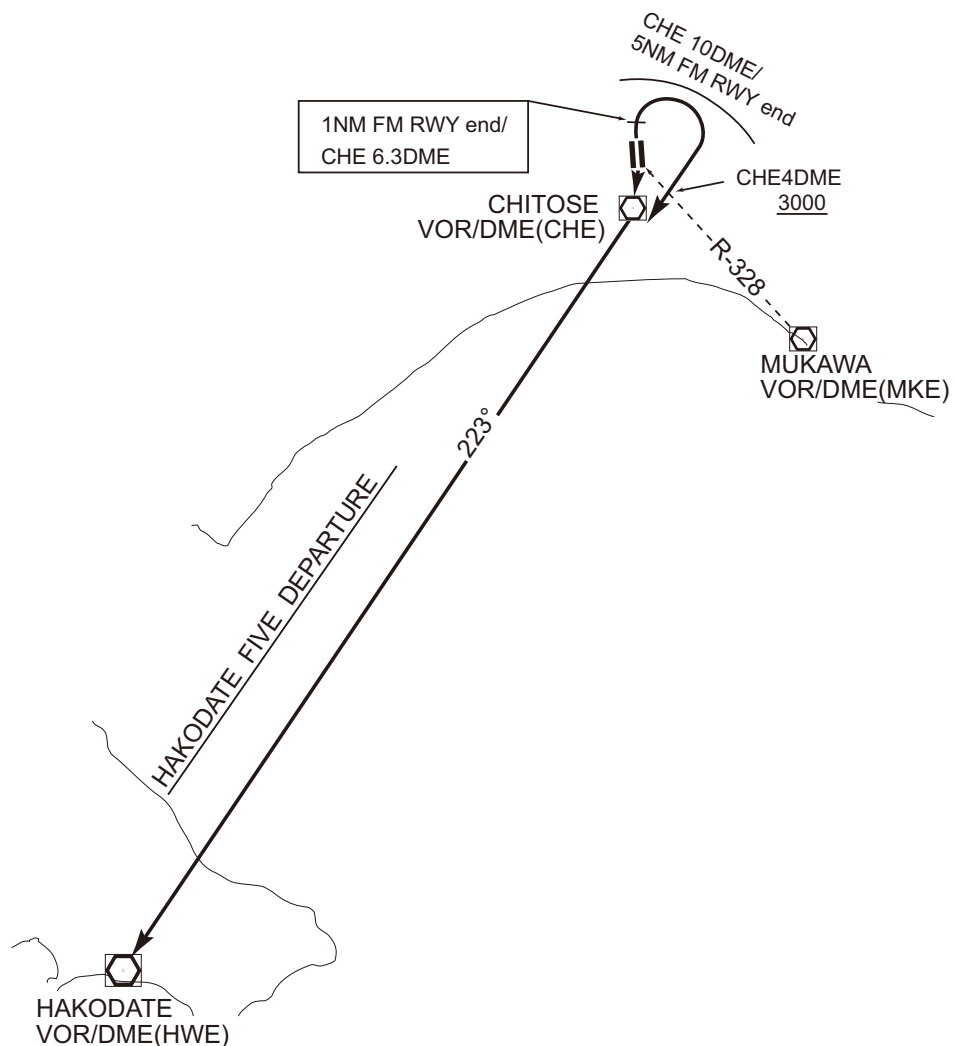
RJCC / NEW CHITOSE

SID

HAKODATE FIVE DEPARTURE

RWY 01L/01R: Climb via RWY HDG until 1NM FM RWY end/CHE 6.3DME, turn right, proceed to CHE VOR/DME within CHE 10DME (5NM FM RWY end), cross 4DME prior to CHE VOR/DME (MKE R-328) at or above 3,000ft,...

RWY 19R/19L: Climb direct to CHE VOR/DME, ... then via CHE R-223 to HWE VOR/DME.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

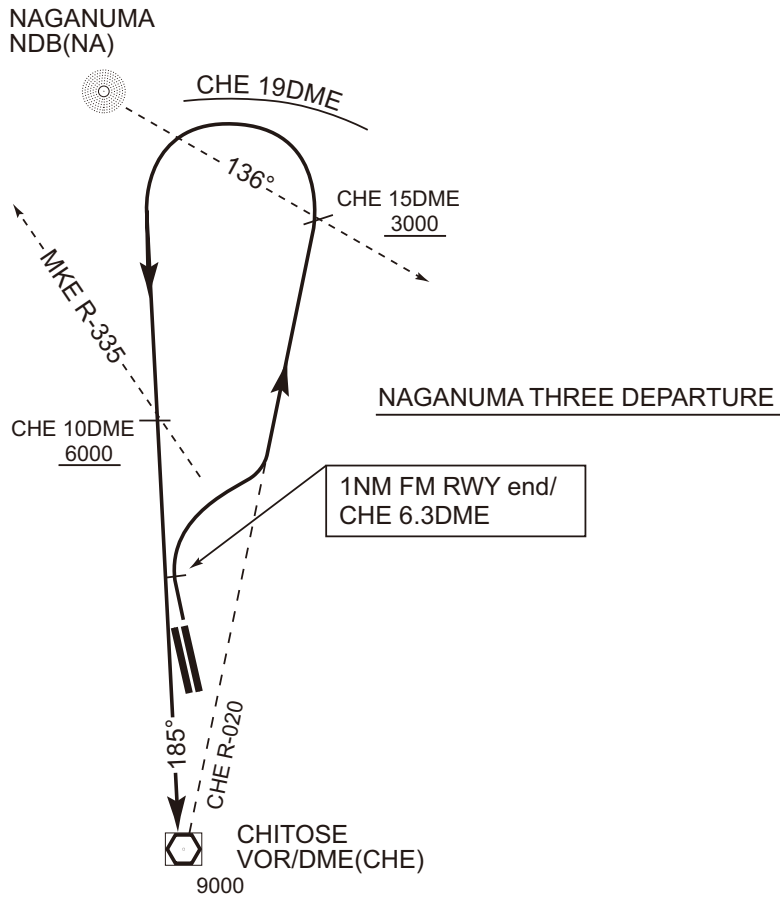
SID

NAGANUMA THREE DEPARTURE

RWY 01L/01R: Climb via RWY HDG until 1NM FM RWY end/CHE 6.3DME, turn right to intercept and proceed via CHE R-020 to CHE 15DME (136 DEG FM NA NDB), then turn left to intercept and proceed via CHE R-005 to CHE VOR/DME within CHE 19DME (089 DEG FM NA NDB).

Cross CHE R-020/15DME (136 DEG FM NA NDB) at or above 3,000ft, cross CHE R-005/10DME (MKE R-335) at or above 6,000ft, cross CHE VOR/DME at or above 9,000ft.

RWY 19R/19L: Not established.





STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

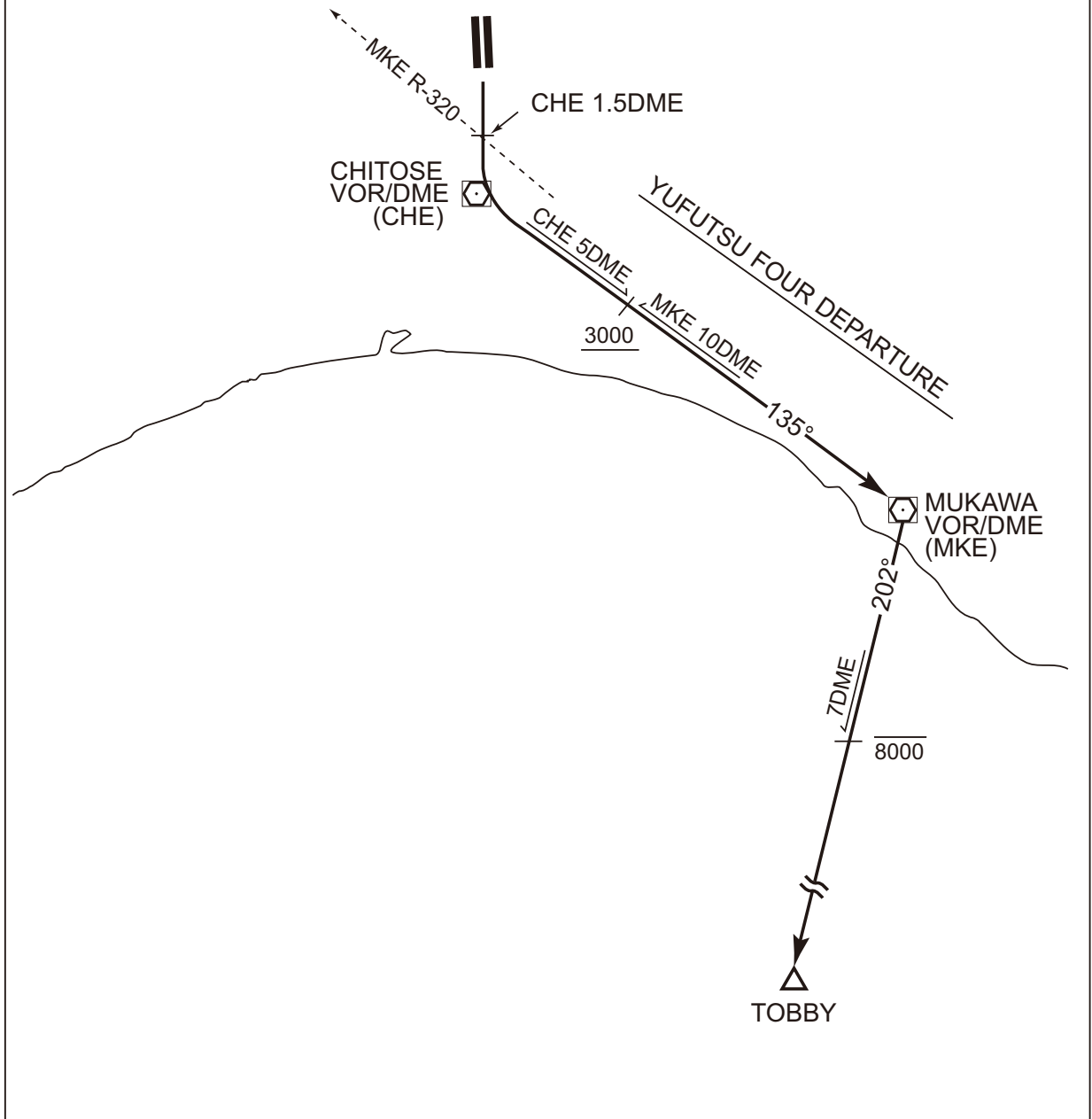
SID

YUFUTSU FOUR DEPARTURE

RWY 01L/01R: Not established.

RWY 19R/19L: Climb direct to CHE VOR/DME until 1.5DME prior to CHE VOR/DME (until crossing MKE R-320), turn left to intercept and proceed via CHE R-135 (MKE R-315) to MKE VOR/DME or after MKE VOR/DME, via MKE R-202 to TOBBY.

Cross CHE R-135/5DME (MKE R-315/10DME) at or above 3,000ft, cross MKE R-202/7DME at or below 8,000ft.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCC / NEW CHITOSE

SID

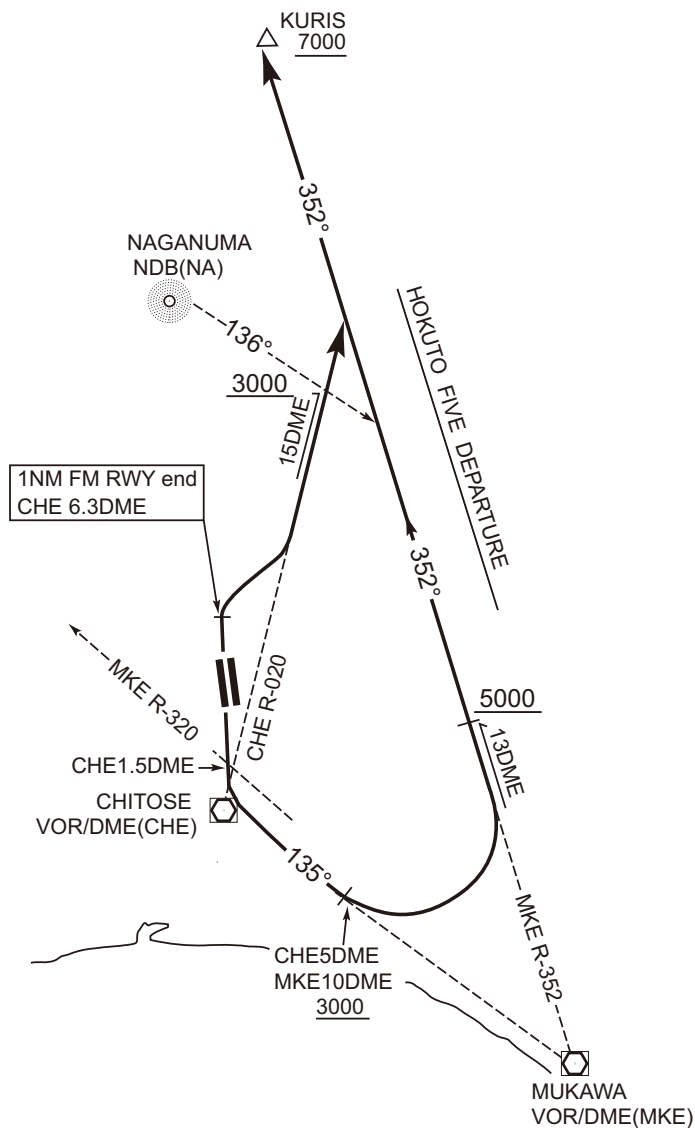
HOKUTO FIVE DEPARTURE

RWY 01L/01R: Climb via RWY HDG until 1NM FM RWY end/CHE 6.3DME, turn right to intercept and proceed via CHE R-020, then via MKE R-352 to KURIS.

Cross CHE R-020/15DME (136 DEG from NA NDB) at or above 3,000ft, cross KURIS at or above 7,000ft.

RWY 19R/19L: Climb direct to CHE VOR/DME until 1.5DME prior to CHE VOR/DME (until crossing MKE R-320), turn left to intercept and proceed via CHE R-135 (MKE R-315) to CHE 5DME (MKE 10DME), then turn left to intercept and proceed via MKE R-352 to KURIS.

Cross CHE R-135/5DME (MKE R-315/10DME) at or above 3,000ft, cross MKE R-352/13DME at or above 5,000ft, cross KURIS at or above 7,000ft.



STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

STAR

YUKII WEST ARRIVAL

From over NASEL, via CHE R-210 to intercept and proceed via MKE R-240...

From over NAVER, via CHE R-201 to intercept and proceed via MKE R-240...

for ILS Z or LOC Z RWY01L : ...to YUKII, then, via ICN-LOC to BAMBI.  
Cross BAMBI at 2,000ft.

for ILS Y or LOC Y RWY01L : ...to YUKII, then, via ICN-LOC to BAMBI.  
Cross BAMBI at or above 3,000ft.

for ILS Z or LOC Z RWY01R : ...to YOKOH, then, via ICH-LOC to YOTEI.  
Cross YOTEI at 2,000ft.

for ILS Y or LOC Y RWY01R : ...to YOKOH, then, via ICH-LOC to YOTEI.  
Cross YOTEI at or above 3,000ft.

YUKII EAST ARRIVAL

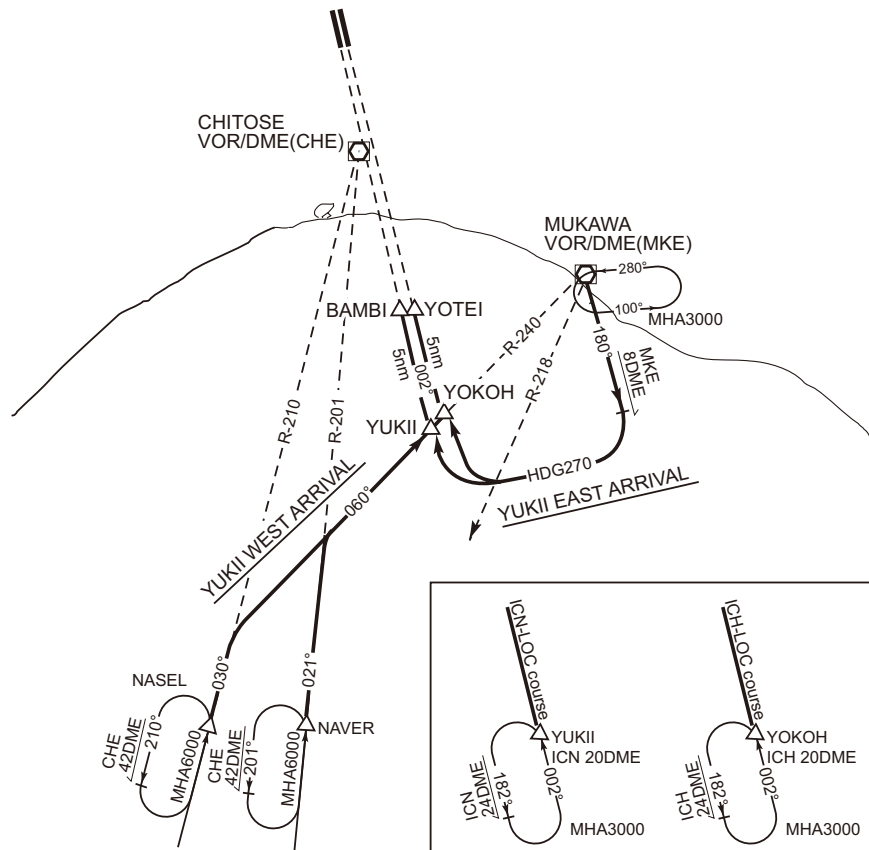
From over MKE VOR/DME, via MKE R-180 to 8DME, turn right, via HDG 270DEG to intercept and proceed via ...

for ILS Z or LOC Z RWY01L : ...ICN-LOC to YUKII, then, via ICN-LOC to BAMBI.  
Cross BAMBI at 2,000ft.

for ILS Y or LOC Y RWY01L : ...ICN-LOC to YUKII, then, via ICN-LOC to BAMBI.  
Cross BAMBI at or above 3,000ft.

for ILS Z or LOC Z RWY01R : ...ICH-LOC to YOKOH, then, via ICH-LOC to YOTEI.  
Cross YOTEI at 2,000ft.

for ILS Y or LOC Y RWY01R : ...ICH-LOC to YOKOH, then, via ICH-LOC to YOTEI.  
Cross YOTEI at or above 3,000ft.



## STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

STAR

CHITOSE ARRIVAL

From over CHE VOR/DME, CHE R-045 to intercept and proceed via MKE R-360 to 30DME, turn left proceed via 240DEG to NA NDB...

for ILS or LOC RWY19R : ...to NA NDB.

Cross MKE R-360/25DME at or below 7,000ft,  
cross MKE R-360/30DME at or above 5,000ft,  
cross NA NDB at or above 3,000ft.

for RNAV(GNSS) RWY19L : ...to KAORY.

Cross MKE R-360/25DME at or below 7,000ft,  
cross MKE R-360/30DME at or above 5,000ft,  
cross KAORY at or above 3,000ft.

for VOR Z RWY19L : ...to SHINE, via CHE R-011 to MAOIE.

Cross MKE R-360/25DME at or below 7,000ft,  
cross MKE R-360/30DME at or above 5,000ft,  
cross SHINE at or above 3,000ft.  
cross MAOIE at 2,000ft.

NASEL ARRIVAL

From over NASEL, via CHE R-210 to intercept and proceed via MKE R-240 to MKE VOR/DME, via MKE R-360 to 30DME, turn left proceed via 240DEG to NA NDB...

From over NAVER, via CHE R-201 to intercept and proceed via MKE R-240 to MKE VOR/DME, via MKE R-360 to 30DME, turn left proceed via 240DEG to NA NDB...

for ILS or LOC RWY19R : ...to NA NDB.

Cross MKE R-360/13DME at or above 12,000ft,  
cross MKE R-360/25DME at or below 7,000ft,  
cross MKE R-360/30DME at or above 5,000ft,  
cross NA NDB at or above 3,000ft.

for RNAV(GNSS) RWY19L : ...to KAORY.

Cross MKE R-360/13DME at or above 12,000ft,  
cross MKE R-360/25DME at or below 7,000ft,  
cross MKE R-360/30DME at or above 5,000ft,  
cross KAORY at or above 3,000ft.

for VOR Z RWY19L : ...to SHINE, via CHE R-011 to MAOIE.

Cross MKE R-360/13DME at or above 12,000ft,  
cross MKE R-360/25DME at or below 7,000ft,  
cross MKE R-360/30DME at or above 5,000ft,  
cross SHINE at or above 3,000ft.  
cross MAOIE at 2,000ft.

KURIS ARRIVAL

for ILS or LOC RWY19R : From over KURIS, via 204DEG to NA NDB to NA NDB.  
Cross NA NDB at or above 3,000ft.

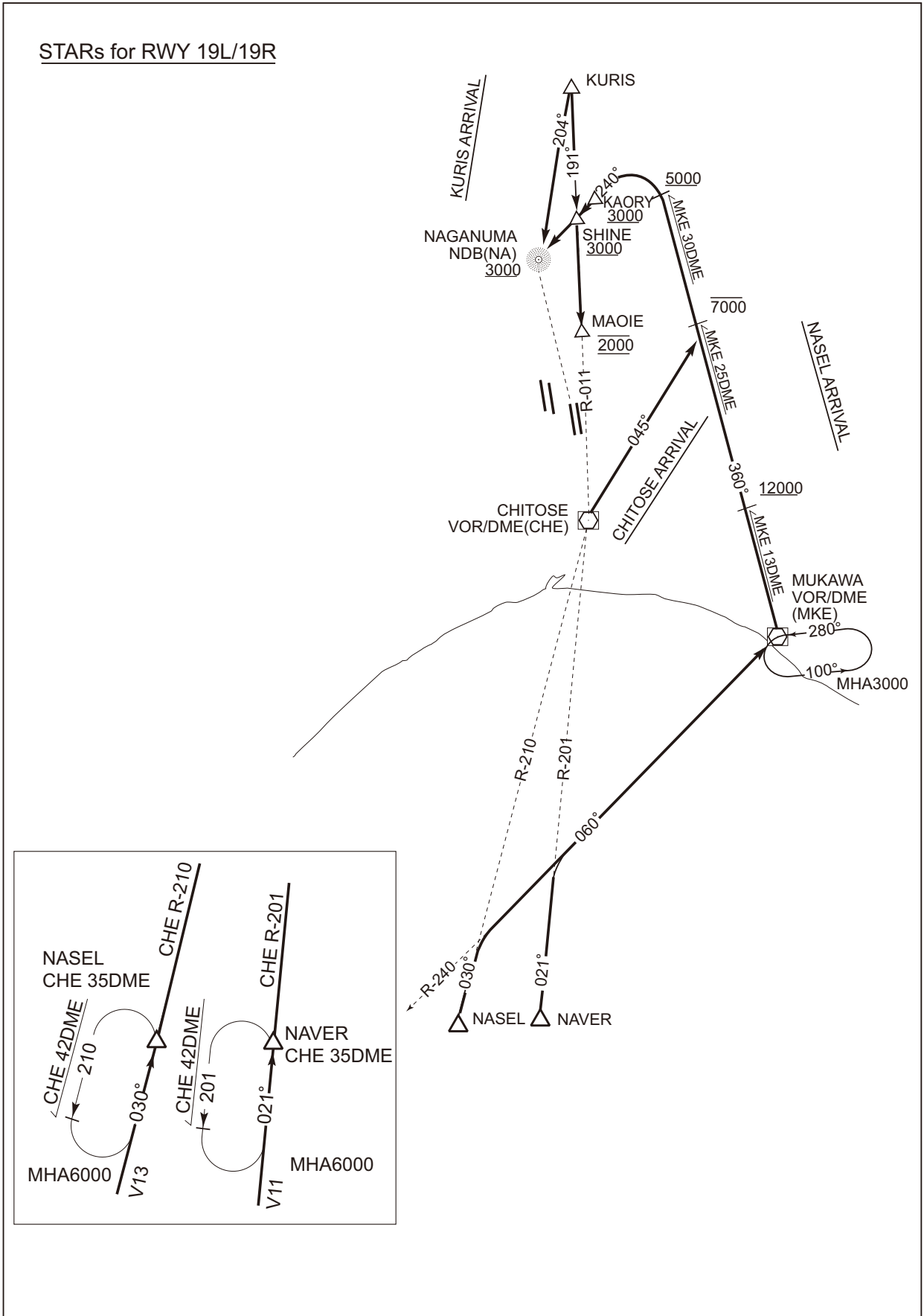
for VOR Z RWY19L : From over KURIS, via CHE R-011 to MAOIE via SHINE.  
Cross SHINE at or above 3,000ft, cross MAOIE at 2,000ft.



STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

STAR



STANDARD ARRIVAL CHART-INSTRUMENT

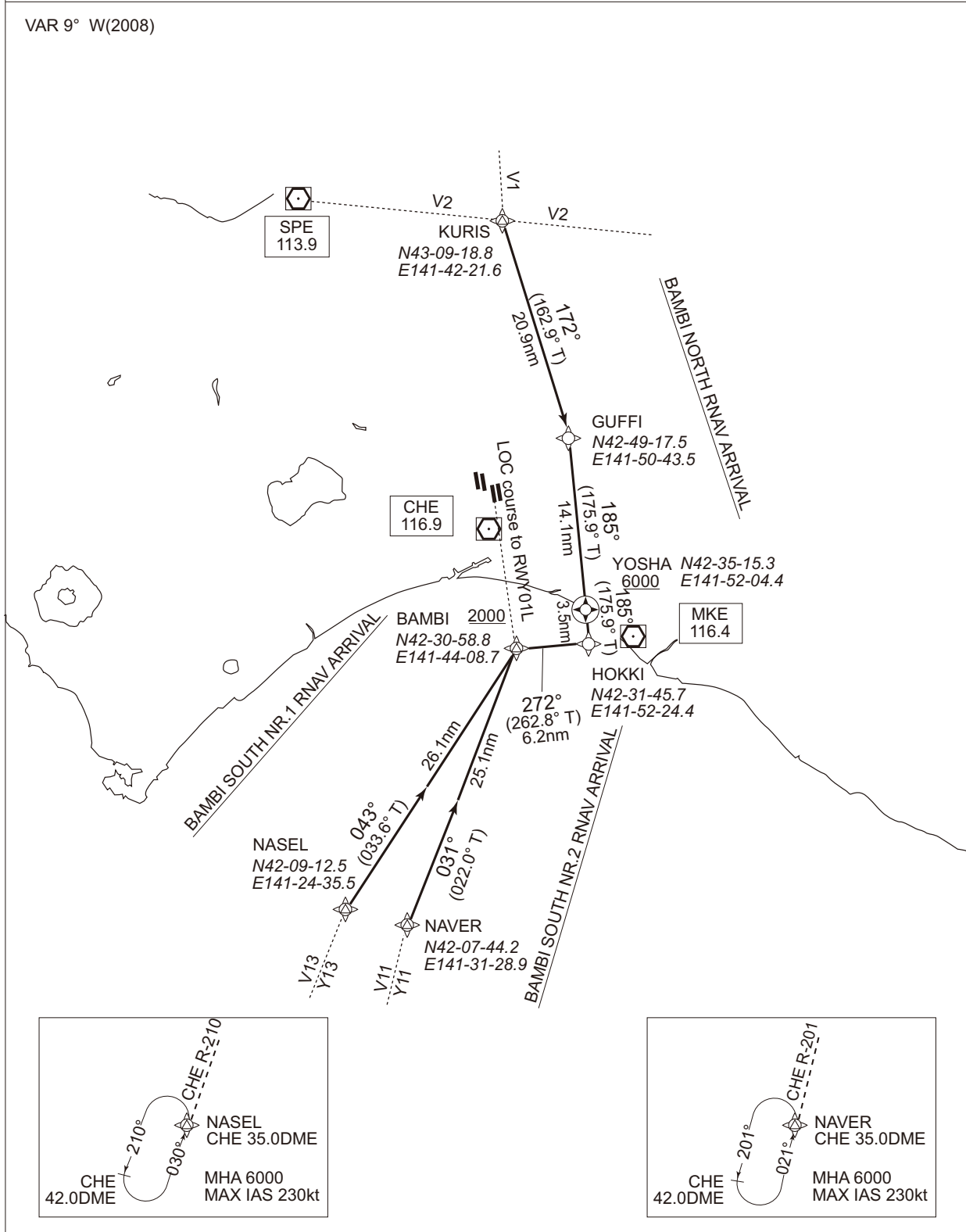
RNAV STAR  
RWY01L

RJCC / NEW CHITOSE

BAMBI SOUTH NR.1 RNAV ARRIVAL	RNAV 1
BAMBI SOUTH NR.2 RNAV ARRIVAL	
BAMBI NORTH RNAV ARRIVAL	

Note 1 ) DME/DME/IRU or GNSS required.  
 2 ) RADAR service required.

VAR 9° W(2008)



STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR  
RWY01L

**BAMBI SOUTH NR.1 RNAV ARRIVAL**

From NASEL, to BAMBI at or above 2,000ft.

FIX	DESIGNATION	COORDINATES
	NASEL	420912.5N 1412435.5E
BAMBI	423058.8N 1414408.7E	
Critical DME	CHE, MKE ; 19NM to BAMBI - BAMBI	
DME GAP	NASEL - 19NM to BAMBI	
Inappropriate Nav aids	See AD1.1.6.10 3. Inappropriate NAVAIDs for RNAV1	

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (ft.)	Speed Limit (kt)	Vertical Angle	Navigation Performance
IF	NASEL	—	—	—	—	—	—	—	RNAV1
TF	BAMBI	—	26.1	043° (033.6°)	—	+2000	—	—	RNAV1

**BAMBI SOUTH NR.2 RNAV ARRIVAL**

From NAVER, to BAMBI at or above 2,000ft.

FIX	DESIGNATION	COORDINATES
	NAVER	420744.2N 1413128.9E
BAMBI	423058.8N 1414408.7E	
Critical DME	CHE, MKE ; 19NM to BAMBI - BAMBI	
DME GAP	NAVER - 19NM to BAMBI	
Inappropriate Nav aids	See AD1.1.6.10 3. Inappropriate NAVAIDs for RNAV1	

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (ft.)	Speed Limit (kt)	Vertical Angle	Navigation Performance
IF	NAVER	—	—	—	—	—	—	—	RNAV1
TF	BAMBI	—	25.1	031° (022.0°)	—	+2000	—	—	RNAV1

**BAMBI NORTH RNAV ARRIVAL**

From KURIS, to GUFFI, to YOSHA at or above 6,000ft, to HOKKI, to BAMBI at or above 2,000ft.

FIX	DESIGNATION	COORDINATES
	KURIS	430918.8N 1414221.6E
	GUFFI	424917.5N 1415043.5E
	YOSHA	423515.3N 1415204.4E
	HOKKI	423145.7N 1415224.4E
BAMBI	423058.8N 1414408.7E	
Critical DME	SPE ; KURIS - 10NM to GUFFI CHE ; 13NM to YOSHA - 3NM to YOSHA CHE, MKE ; HOKKI - BAMBI	
DME GAP	3NM to YOSHA - YOSHA YOSHA - HOKKI	
Inappropriate Nav aids	See AD1.1.6.10 3. Inappropriate NAVAIDs for RNAV1	

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (ft.)	Speed Limit (kt)	Vertical Angle	Navigation Performance
IF	KURIS	—	—	—	—	—	—	—	RNAV1
TF	GUFFI	—	20.9	172° (162.9°)	—	—	—	—	RNAV1
TF	YOSHA	Y	14.1	185° (175.9°)	—	+6000	—	—	RNAV1
TF	HOKKI	—	3.5	185° (175.9°)	—	—	—	—	RNAV1
TF	BAMBI	—	6.2	272° (262.8°)	—	+2000	—	—	RNAV1

STANDARD ARRIVAL CHART-INSTRUMENT

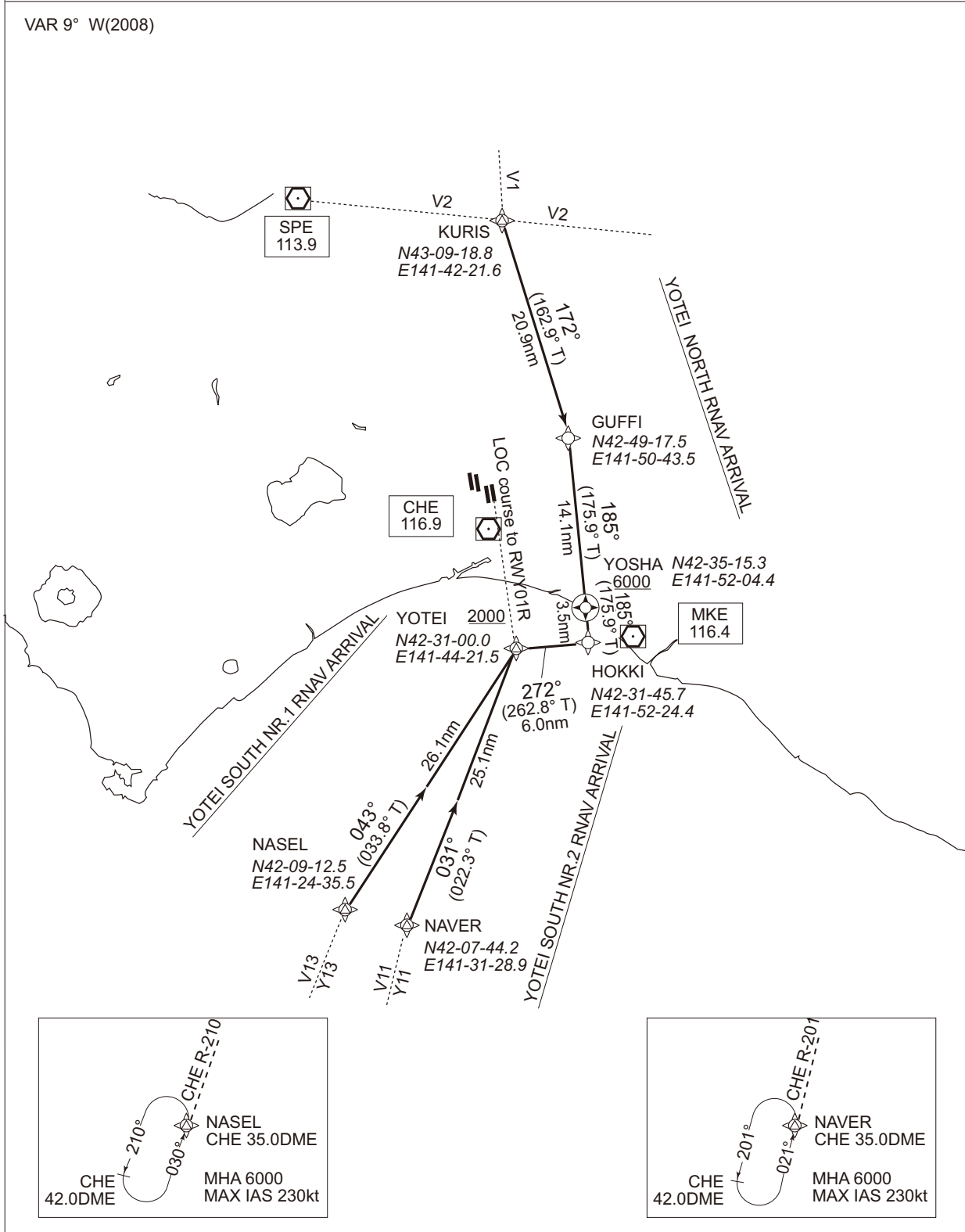
RJCC / NEW CHITOSE

RNAV STAR  
RWY01R

YOTEI SOUTH NR.1 RNAV ARRIVAL	RNAV 1
YOTEI SOUTH NR.2 RNAV ARRIVAL	
YOTEI NORTH RNAV ARRIVAL	

Note 1 ) DME/DME/IRU or GNSS required.  
2 ) RADAR service required.

VAR 9° W(2008)



STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR  
RWY01R

YOTEI SOUTH NR.1 RNAV ARRIVAL

From NASEL, to YOTEI at or above 2,000ft.

FIX	DESIGNATION	COORDINATES
	NASEL	420912.5N 1412435.5E
YOTEI	423100.0N 1414421.5E	
Critical DME	CHE, MKE ; 19NM to YOTEI - YOTEI	
DME GAP	NASEL - 19NM to YOTEI	
Inappropriate Nav aids	See AD1.1.6.10 3. Inappropriate NAVAIDs for RNAV1	

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (ft.)	Speed Limit (kt)	Vertical Angle	Navigation Performance
IF	NASEL	—	—	—	—	—	—	—	RNAV1
TF	YOTEI	—	26.1	043° (033.8°)	—	+2000	—	—	RNAV1

YOTEI SOUTH NR.2 RNAV ARRIVAL

From NAVER, to YOTEI at or above 2,000ft.

FIX	DESIGNATION	COORDINATES
	NAVER	420744.2N 1413128.9E
YOTEI	423100.0N 1414421.5E	
Critical DME	CHE, MKE ; 19NM to YOTEI - YOTEI	
DME GAP	NAVER - 19NM to YOTEI	
Inappropriate Nav aids	See AD1.1.6.10 3. Inappropriate NAVAIDs for RNAV1	

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (ft.)	Speed Limit (kt)	Vertical Angle	Navigation Performance
IF	NAVER	—	—	—	—	—	—	—	RNAV1
TF	YOTEI	—	25.1	031° (022.3°)	—	+2000	—	—	RNAV1

YOTEI NORTH RNAV ARRIVAL

From KURIS, to GUFFI, to YOSHA at or above 6,000ft, to HOKKI, to YOTEI at or above 2,000ft.

FIX	DESIGNATION	COORDINATES
	KURIS	430918.8N 1414221.6E
	GUFFI	424917.5N 1415043.5E
	YOSHA	423515.3N 1415204.4E
	HOKKI	423145.7N 1415224.4E
YOTEI	423100.0N 1414421.5E	
Critical DME	SPE ; KURIS - 10NM to GUFFI CHE ; 13NM to YOSHA - 3NM to YOSHA CHE, MKE ; HOKKI - YOTEI	
DME GAP	3NM to YOSHA - YOSHA - HOKKI	
Inappropriate Nav aids	See AD1.1.6.10 3. Inappropriate NAVAIDs for RNAV1	

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (ft.)	Speed Limit (kt)	Vertical Angle	Navigation Performance
IF	KURIS	—	—	—	—	—	—	—	RNAV1
TF	GUFFI	—	20.9	172° (162.9°)	—	—	—	—	RNAV1
TF	YOSHA	Y	14.1	185° (175.9°)	—	+6000	—	—	RNAV1
TF	HOKKI	—	3.5	185° (175.9°)	—	—	—	—	RNAV1
TF	YOTEI	—	6.0	272° (262.8°)	—	+2000	—	—	RNAV1

STANDARD ARRIVAL CHART-INSTRUMENT

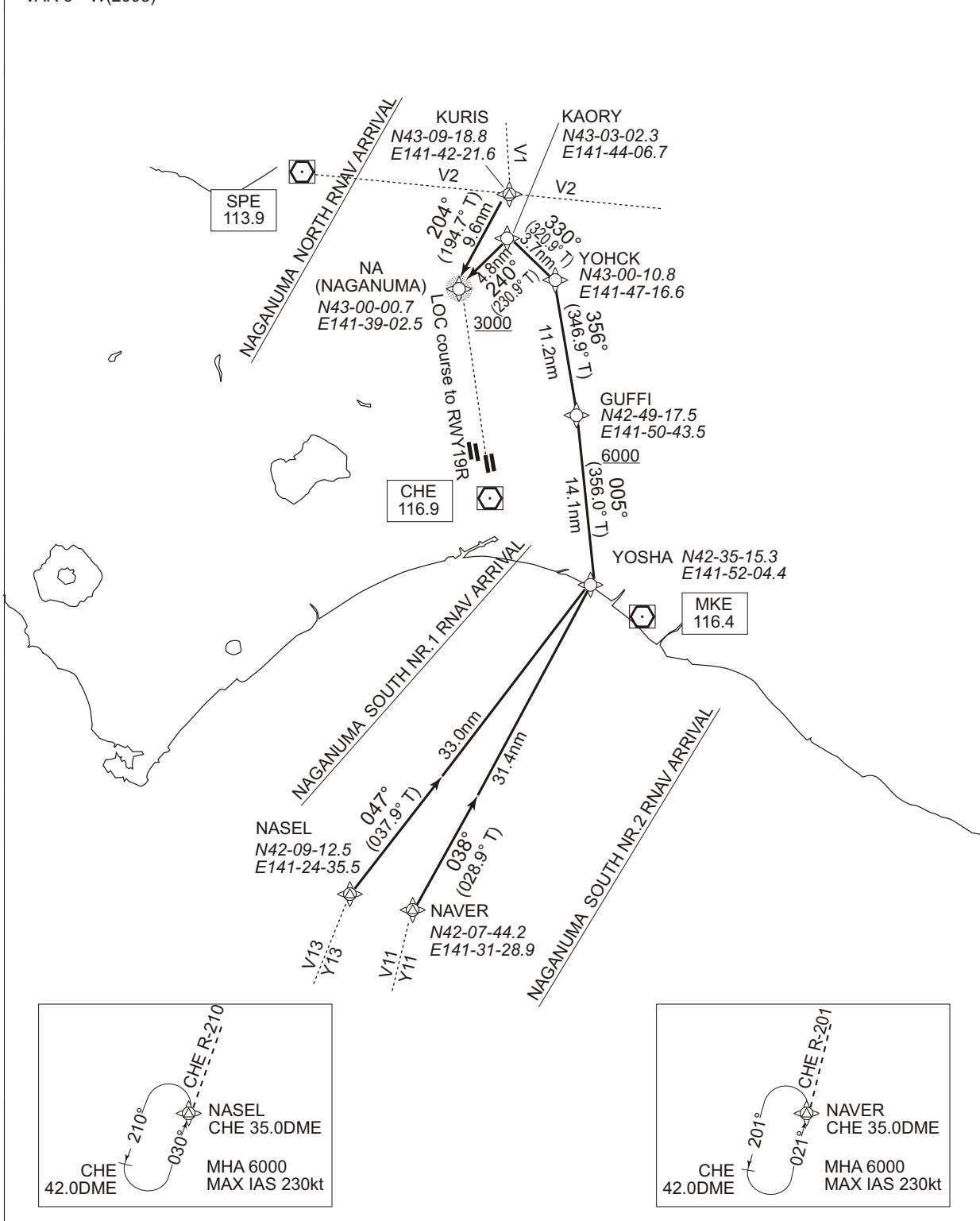
RJCC / NEW CHITOSE

RNAV STAR  
RWY19R

NAGANUMA SOUTH	NR.1 RNAV ARRIVAL	RNAV 1
NAGANUMA SOUTH	NR.2 RNAV ARRIVAL	
NAGANUMA NORTH	RNAV ARRIVAL	

Note 1 ) DME/DME/IRU or GNSS required.  
2 ) RADAR service required.

VAR 9° W(2008)



STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR  
RWY19R

NAGANUMA SOUTH NR.1 RNAV ARRIVAL

From NASEL, to YOSHA, to GUFFI at or above 6,000ft, to YOHCK, to KAORY, to NA at or above 3,000ft.

	DESIGNATION	COORDINATES
FIX	NASEL	420912.5N 1412435.5E
	YOSHA	423515.3N 1415204.4E
	GUFFI	424917.5N 1415043.5E
	YOHCK	430010.8N 1414716.6E
	KAORY	430302.3N 1414406.7E
	NA(NAGANUMA)	430000.7N 1413902.5E
Critical DME	CHE, MKE ; 26NM to YOSHA - 22NM to YOSHA MKE ; 22NM to YOSHA - 3NM to YOSHA/1NM to YOSHA - YOSHA CHE ; 10NM to GUFFI - GUFFI SPE ; YOHCK - KAORY - 1NM to NA NDB CHE, SPE ; 1NM to NA NDB - NA NDB	
DME GAP	NASEL - 26NM to YOSHA 3NM to YOSHA - 1NM to YOSHA YOSHA - 10NM to GUFFI	
Inappropriate Nav aids	See AD1.1.6.10 3. Inappropriate NAV AIDs for RNAV1	

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (ft.)	Speed Limit (kt)	Vertical Angle	Navigation Performance
IF	NASEL	—	—	—	—	—	—	—	RNAV1
TF	YOSHA	—	33.0	047° (037.9°)	—	—	—	—	RNAV1
TF	GUFFI	—	14.1	005° (356.0°)	—	+6000	—	—	RNAV1
TF	YOHCK	—	11.2	356° (346.9°)	—	—	—	—	RNAV1
TF	KAORY	—	3.7	330° (320.9°)	—	—	—	—	RNAV1
TF	NA (NAGANUMA)	—	4.8	240° (230.9°)	—	+3000	—	—	RNAV1



STANDARD ARRIVAL CHART-INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR  
RWY19R

**NAGANUMA SOUTH NR.2 RNAV ARRIVAL**

From NAVER, to YOSHA, to GUFFI at or above 6,000ft, to YOHCK, to KAORY, to NA at or above 3,000ft.

	DESIGNATION	COORDINATES
FIX	NAVER	420744.2N 1413128.9E
	YOSHA	423515.3N 1415204.4E
	GUFFI	424917.5N 1415043.5E
	YOHCK	430010.8N 1414716.6E
	KAORY	430302.3N 1414406.7E
	NA(NAGANUMA)	430000.7N 1413902.5E
Critical DME	CHE, MKE ; 25NM to YOSHA - 22NM to YOSHA MKE ; 22NM to YOSHA - 3NM to YOSHA/1NM to YOSHA - YOSHA CHE ; 10NM to GUFFI - GUFFI SPE ; YOHCK - KAORY - 1NM to NA NDB CHE, SPE ; 1NM to NA NDB - NA NDB	
DME GAP	NAVER - 25NM to YOSHA 3NM to YOSHA - 1NM to YOSHA YOSHA - 10NM to GUFFI	
Inappropriate Nav aids	See AD1.1.6.10 3. Inappropriate NAVAIDs for RNAV1	

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (ft.)	Speed Limit (kt)	Vertical Angle	Navigation Performance
IF	NAVER	—	—	—	—	—	—	—	RNAV1
TF	YOSHA	—	31.4	038° (028.9°)	—	—	—	—	RNAV1
TF	GUFFI	—	14.1	005° (356.0°)	—	+6000	—	—	RNAV1
TF	YOHCK	—	11.2	356° (346.9°)	—	—	—	—	RNAV1
TF	KAORY	—	3.7	330° (320.9°)	—	—	—	—	RNAV1
TF	NA (NAGANUMA)	—	4.8	240° (230.9°)	—	+3000	—	—	RNAV1

**NAGANUMA NORTH RNAV ARRIVAL**

From KURIS, to NA at or above 3,000ft.

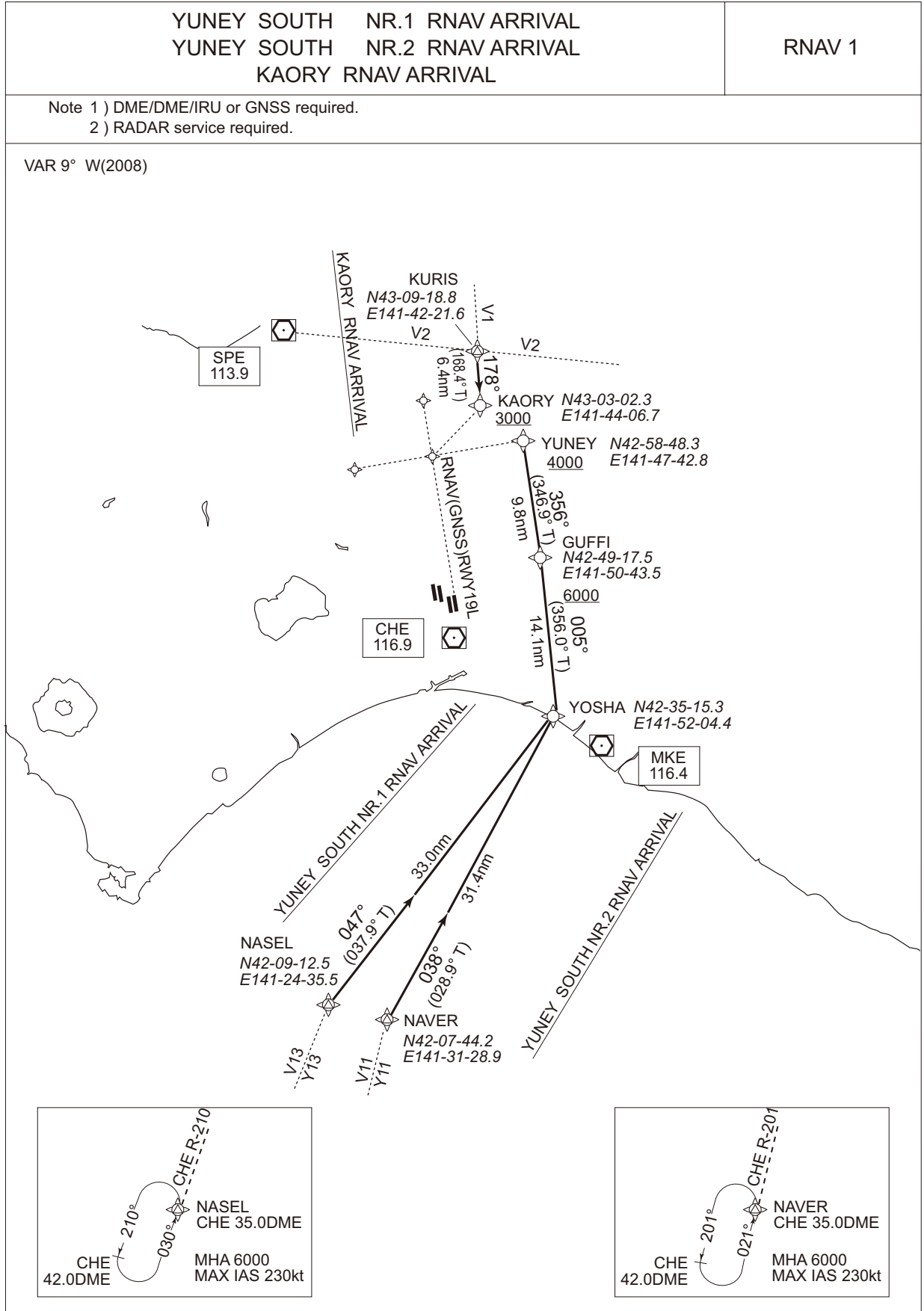
	DESIGNATION	COORDINATES
FIX	KURIS	430918.8N 1414221.6E
	NA(NAGANUMA)	430000.7N 1413902.5E
	Critical DME	SPE ; KURIS - 1NM to NA NDB CHE, SPE ; 1NM to NA NDB - NA NDB
DME GAP	—	
Inappropriate Nav aids	See AD1.1.6.10 3. Inappropriate NAVAIDs for RNAV1	

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (ft.)	Speed Limit (kt)	Vertical Angle	Navigation Performance
IF	KURIS	—	—	—	—	—	—	—	RNAV1
TF	NA (NAGANUMA)	—	9.6	204° (194.7°)	—	+3000	—	—	RNAV1

STANDARD APPROACH CHART - INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR  
RWY19L





STANDARD APPROACH CHART - INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR  
RWY19L

**YUNNEY SOUTH NR.1 RNAV ARRIVAL**

From NASEL, to YOSHA, to GUFFI at or above 6,000ft, to YUNNEY at or above 4,000ft.

FIX	DESIGNATION	COORDINATES
	NASEL	420912.5N 1412435.5E
	YOSHA	423515.3N 1415204.4E
	GUFFI	424917.5N 1415043.5E
	YUNNEY	425848.3N 1414742.8E
Critical DME	CHE, MKE ; 26NM to YOSHA - 22NM to YOSHA MKE ; 22NM to YOSHA - 3NM to YOSHA/1NM to YOSHA - YOSHA CHE ; 10NM to GUFFI - GUFFI	
DME GAP	NASEL - 26NM to YOSHA 3NM to YOSHA - 1NM to YOSHA YOSHA - 10NM to GUFFI	
Inappropriate Nav aids	See AD1.1.6.10 3. Inappropriate NAVAIDs for RNAV1	

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (ft.)	Speed Limit (kt)	Vertical Angle	Navigation Performance
IF	NASEL	—	—	—	—	—	—	—	RNAV1
TF	YOSHA	—	33.0	047° (037.9°)	—	—	—	—	RNAV1
TF	GUFFI	—	14.1	005° (356.0°)	—	+6000	—	—	RNAV1
TF	YUNNEY	—	9.8	356° (346.9°)	—	+4000	—	—	RNAV1

**YUNNEY SOUTH NR.2 RNAV ARRIVAL**

From NAVER, to YOSHA, to GUFFI at or above 6,000ft, to YUNNEY at or above 4,000ft.

FIX	DESIGNATION	COORDINATES
	NAVER	420744.2N 1413128.9E
	YOSHA	423515.3N 1415204.4E
	GUFFI	424917.5N 1415043.5E
	YUNNEY	425848.3N 1414742.8E
Critical DME	CHE, MKE ; 25NM to YOSHA - 22NM to YOSHA MKE ; 22NM to YOSHA - 3NM to YOSHA/1NM to YOSHA - YOSHA CHE ; 10NM to GUFFI - GUFFI	
DME GAP	NAVER - 25NM to YOSHA 3NM to YOSHA - 1NM to YOSHA YOSHA - 10NM to GUFFI	
Inappropriate Nav aids	See AD1.1.6.10 3. Inappropriate NAVAIDs for RNAV1	

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (ft.)	Speed Limit (kt)	Vertical Angle	Navigation Performance
IF	NAVER	—	—	—	—	—	—	—	RNAV1
TF	YOSHA	—	31.4	038° (028.9°)	—	—	—	—	RNAV1
TF	GUFFI	—	14.1	005° (356.0°)	—	+6000	—	—	RNAV1
TF	YUNNEY	—	9.8	356° (346.9°)	—	+4000	—	—	RNAV1

STANDARD APPROACH CHART - INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR  
RWY19L

KAORY RNAV ARRIVAL

From KURIS, to KAORY at or above 3,000ft.

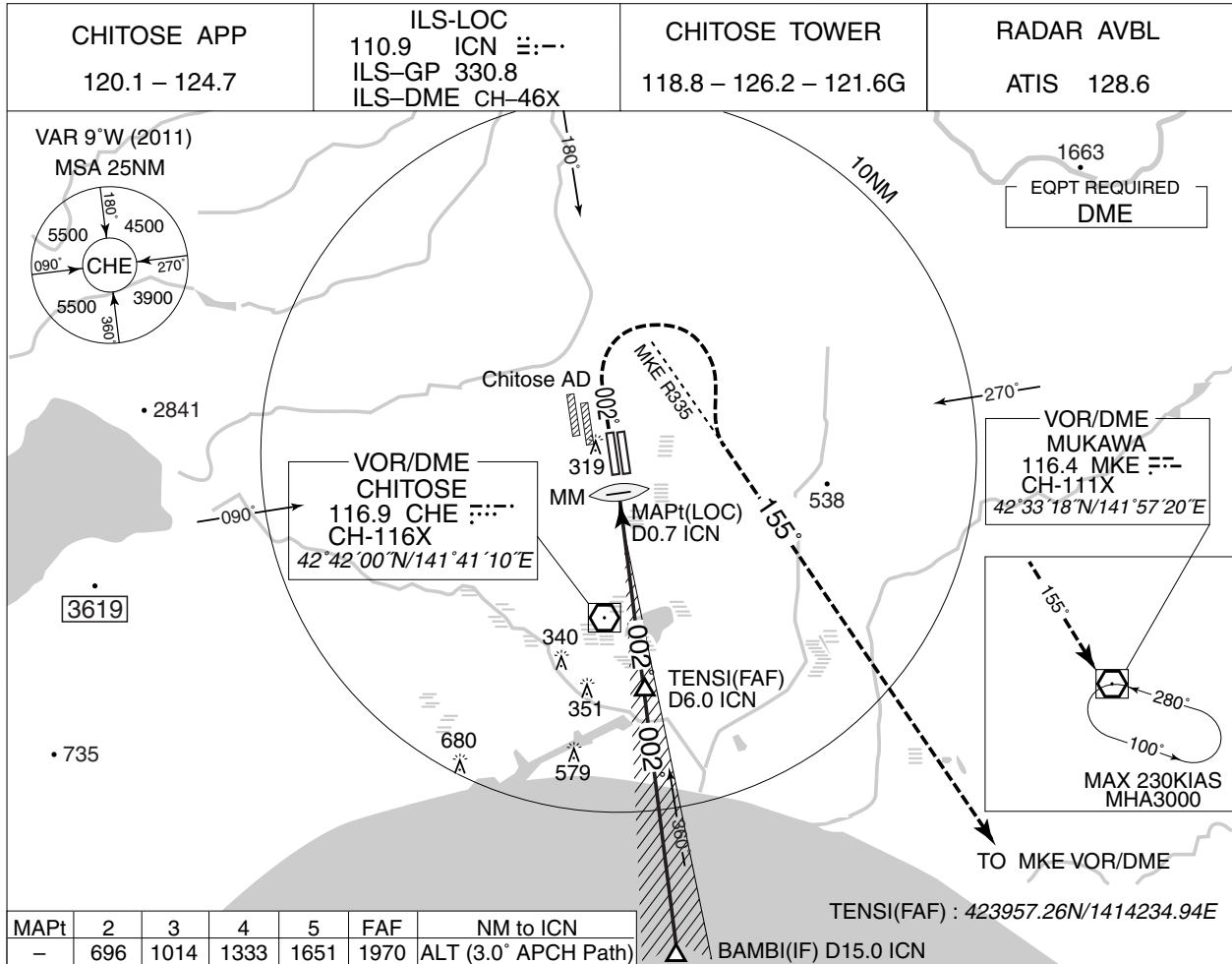
FIX	DESIGNATION	COORDINATES
	KURIS	430918.8N 1414221.6E
KAORY	430302.3N 1414406.7E	
Critical DME	SPE ; KURIS~KAORY	
DME GAP	-	
Inappropriate Nav aids	See AD1.1.6.10 3. Inappropriate NAVAIDs for RNAV1	

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (ft.)	Speed Limit (kt)	Vertical Angle	Navigation Performance
IF	KURIS	-	-	-	-	-	-	-	RNAV1
TF	KAORY	-	6.4	178° (168.4°)	-	+3000	-	-	RNAV1

INSTRUMENT APPROACH CHART

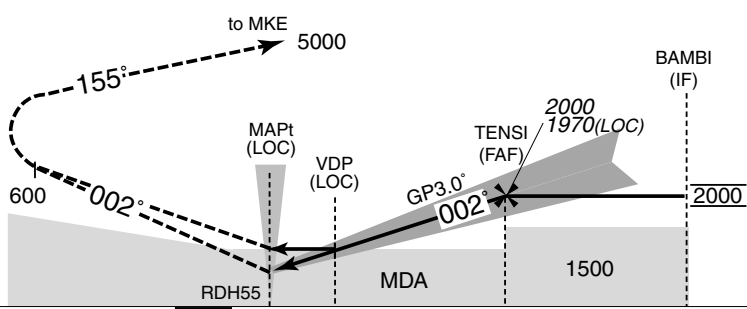
RJCC / NEW CHITOSE

ILS Z or LOC Z RWY01L



MAPt	2	3	4	5	FAF	NM to ICN
-	696	1014	1333	1651	1970	ALT (3.0' APCH Path)

**MISSED APPROACH**  
Climb to 600FT on HDG 002°, turn right to intercept and proceed via MKE R335 to MKE VOR/DME and hold at 5000FT. Contact CHITOSE APP.  
Timing not authorized for defining the MAPt.



DME to ICN	0.7	1.2	6.0	15.0
NM to THR	0	0.5	1.0	5.8

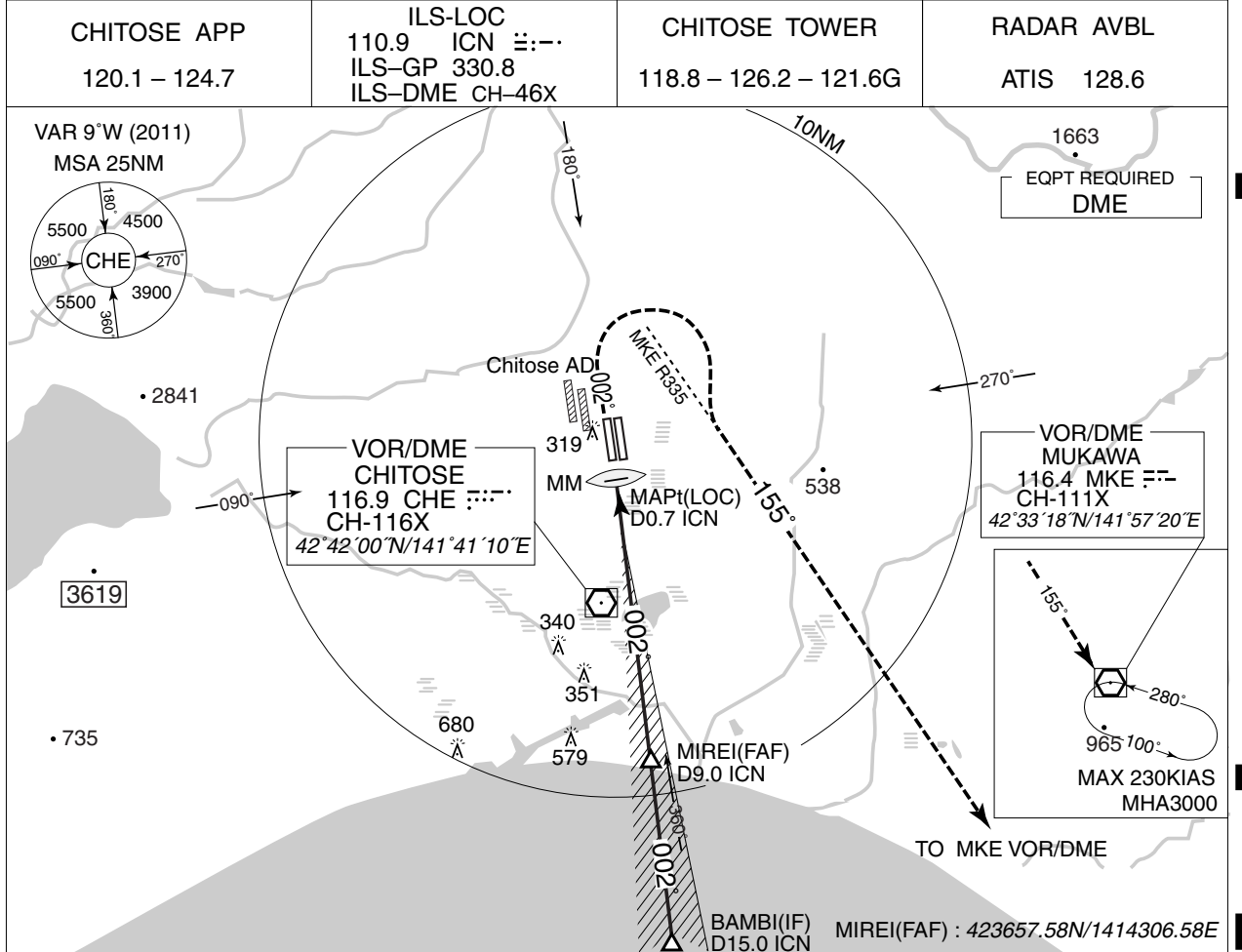
<b>MINIMA</b>		<b>THR elev. 62</b>		<b>AD elev. 70</b>		
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	262 (200)	550	430 (368)	900	510 (440)	1600
B				1000	520 (450)	
C				1400	620 (550)	2400
D				3200		

Circling to EAST side of RWY only.

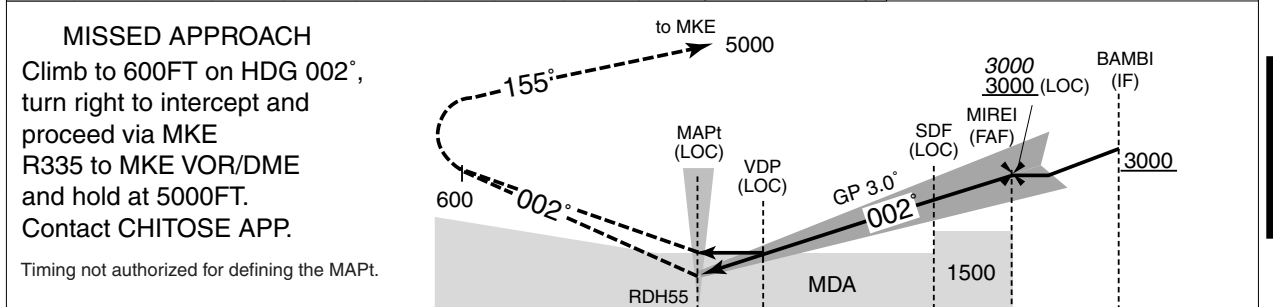
INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

ILS Y or LOC Y RWY01L



MAPt	2	3	4	5	SDF	7	8	FAF	NM to ICN
-	696	1014	1333	1651	1970	2288	2606	-	ALT (3.0° APCH Path)



DME to ICN	0.7	1.2	6.0	9.0	15.0	
NM to THR	0	0.5	1.0	5.8	8.8	14.8

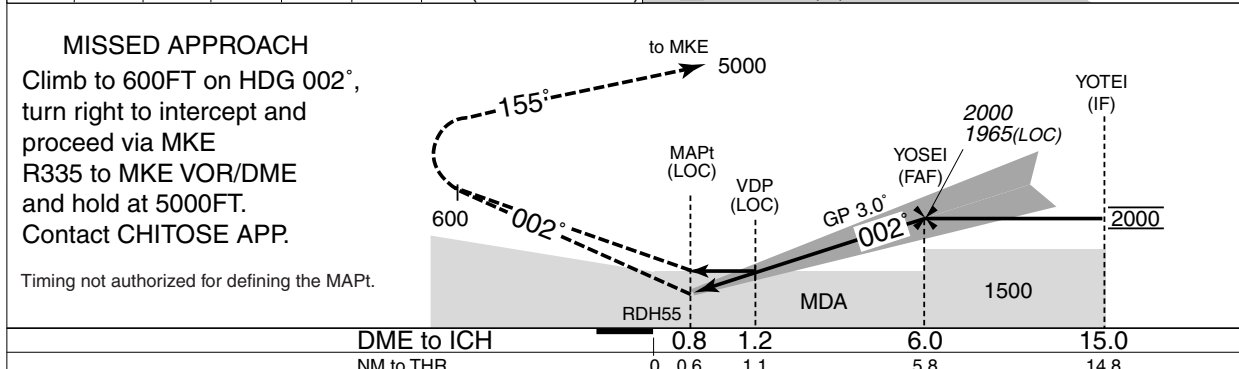
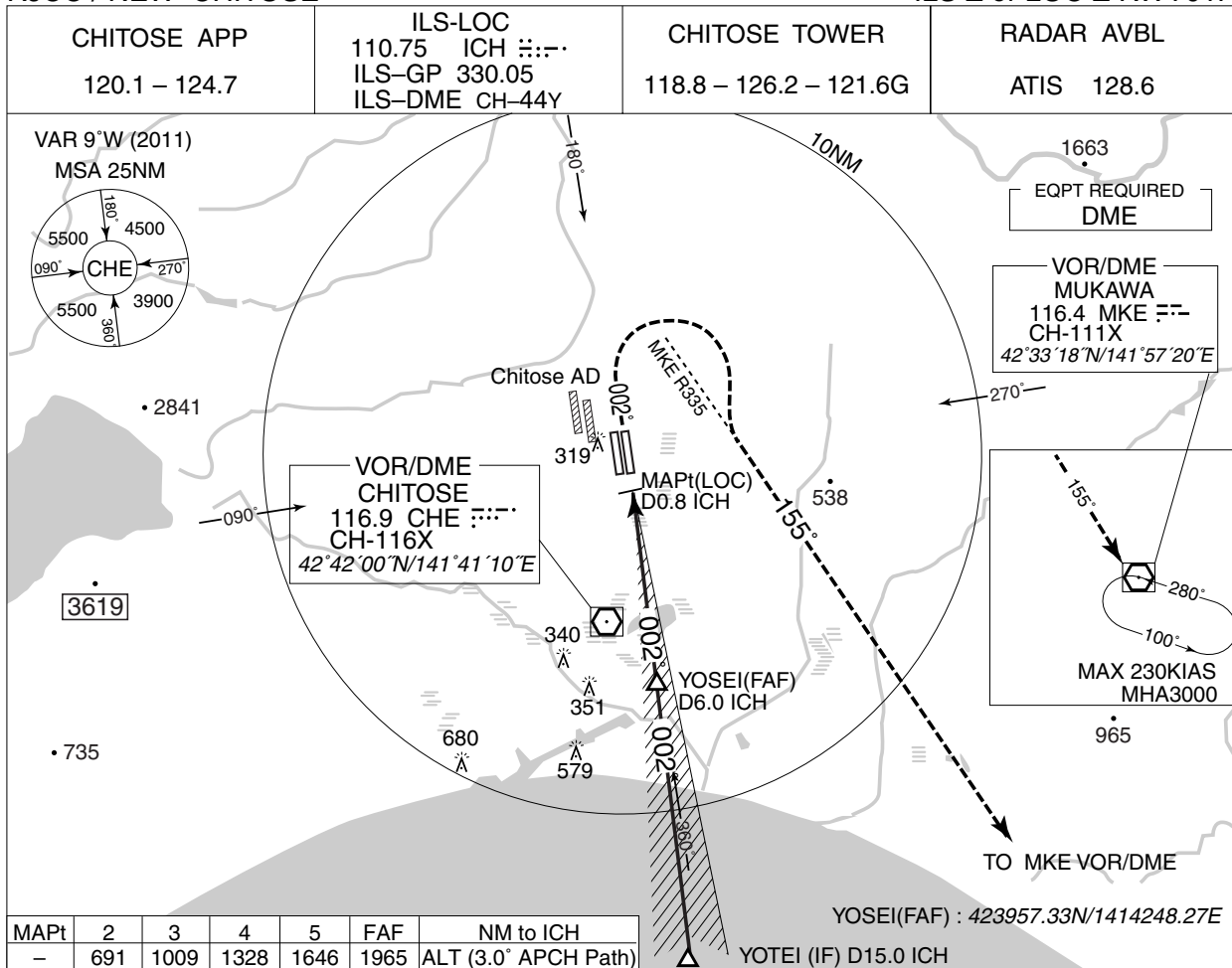
<b>MINIMA</b>		<b>THR elev. 62</b>		<b>AD elev. 70</b>		
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	262 (200)	550	430 (368)	900	510 (440)	1600
B				1000	520 (450)	
C				1400	620 (550)	2400
D						3200

Circling to EAST side of RWY only.

INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

ILS Z or LOC Z RWY01R



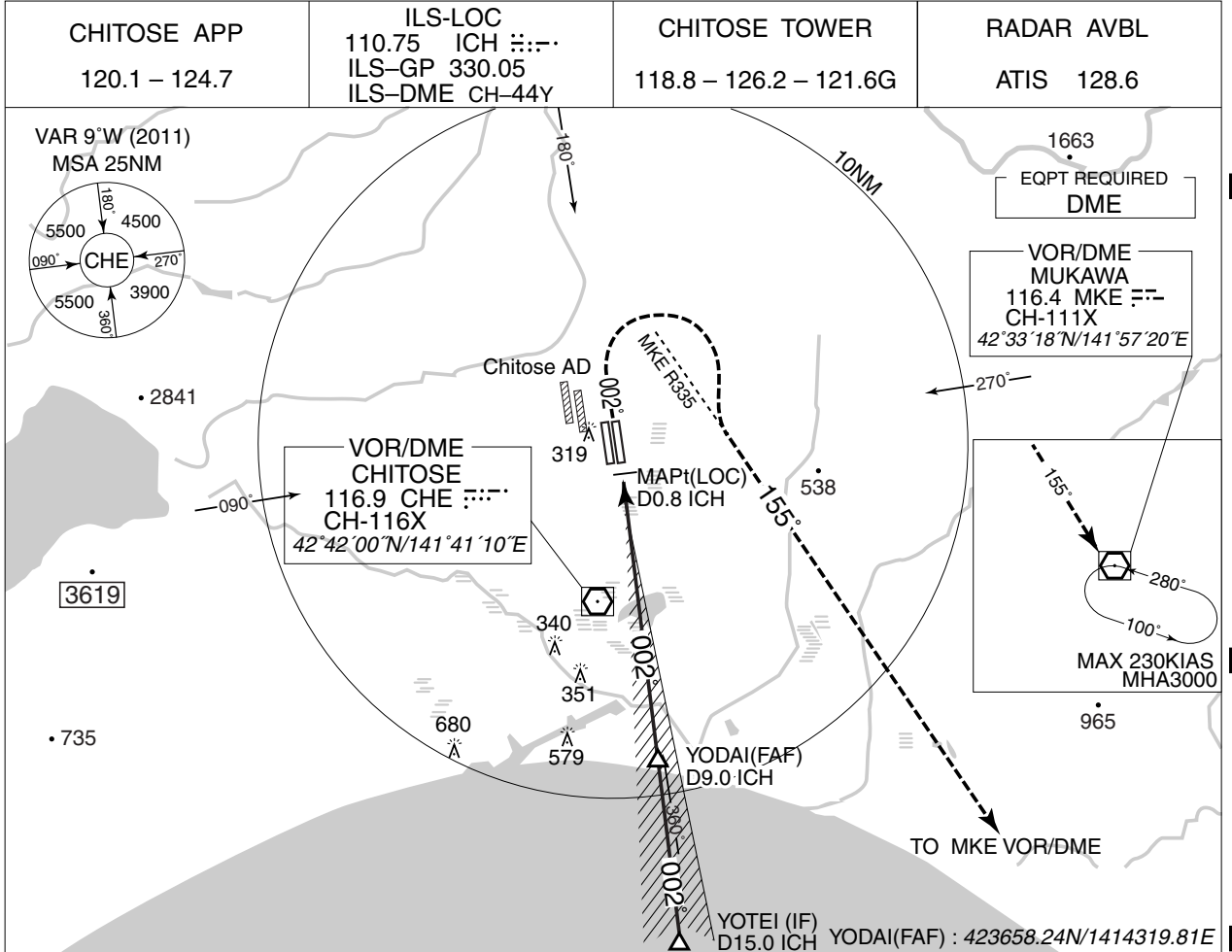
<b>MINIMA</b>		<b>THR elev. 57</b>		<b>AD elev. 70</b>		
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	257 (200)	550	430 (373)	900	510 (440)	1600
B				1000	520 (450)	
C				1400	620 (550)	3200
D						

Circling to EAST side of RWY only.

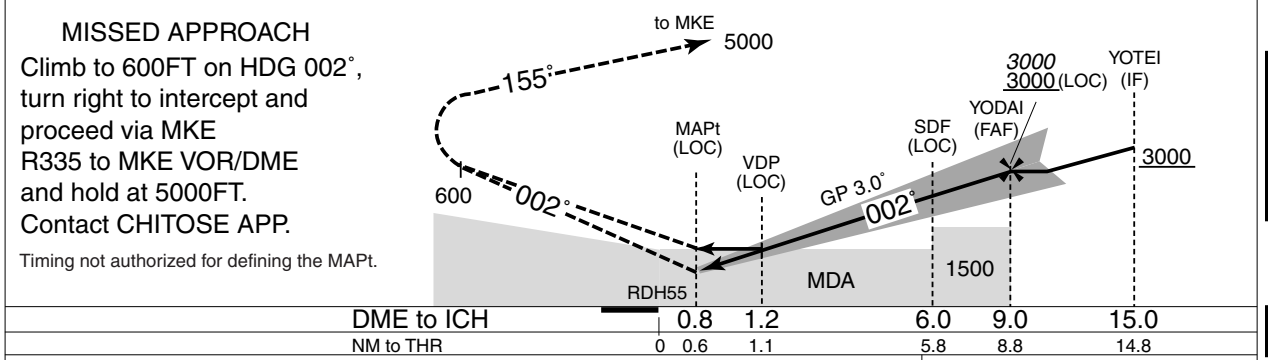
INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

ILS Y or LOC Y RWY01R



MAPt	2	3	4	5	SDF	7	8	FAF	NM to ICH
-	691	1009	1328	1646	1964	2283	2601	-	ALT (3.0° APCH Path)



<b>MINIMA</b>		<b>THR elev. 57</b>		<b>AD elev. 70</b>		
<b>CAT</b>	<b>CAT I</b>		<b>LOC</b>		<b>CIRCLING</b>	
	<b>DA(H)</b>	<b>RVR/CMV</b>	<b>MDA(H)</b>	<b>RVR/CMV</b>	<b>MDA(H)</b>	<b>VIS</b>
A	257 (200)	550	430 (373)	900	510 (440)	1600
B				1000	520 (450)	
C				1400	620 (550)	2400
D						3200

Circling to EAST side of RWY only.

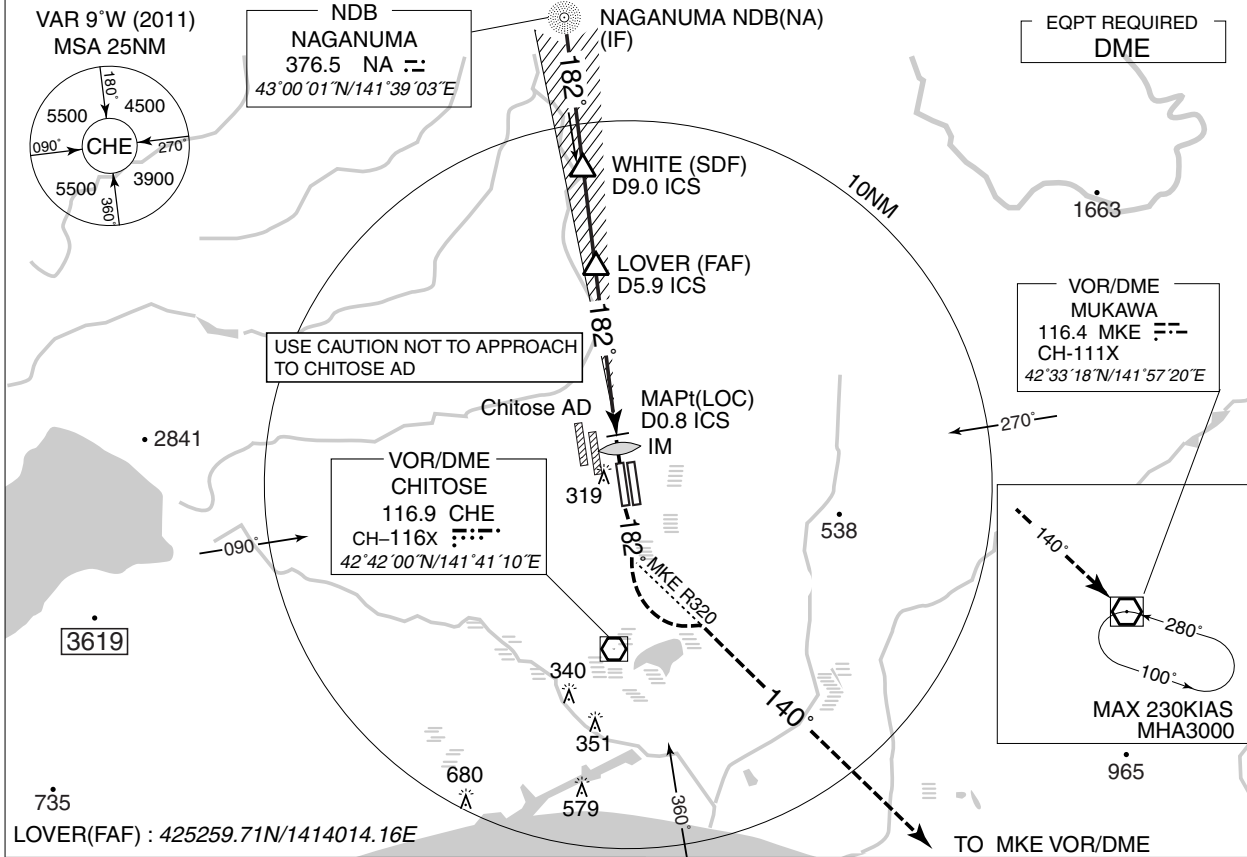


INSTRUMENT APPROACH CHART

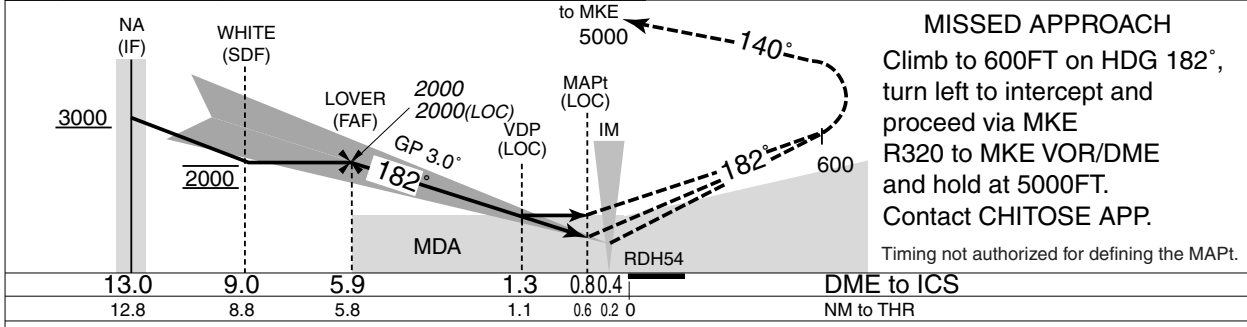
RJCC / NEW CHITOSE

ILS Z or LOC Z RWY19R (CAT II & III)

CHITOSE APP 120.1 – 124.7	ILS-LOC 111.5 ICS ::-.- ILS-GP 332.9 ILS-DME CH-52X	CHITOSE TOWER 118.8 – 126.2 – 121.6G	RADAR AVBL ATIS 128.6
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NM to ICS	FAF	5	4	3	2	MAPt
ALT (3.0° APCH Path)	-	1667	1348	1030	711	-



MINIMA	THR elev. 82	AD elev. 70
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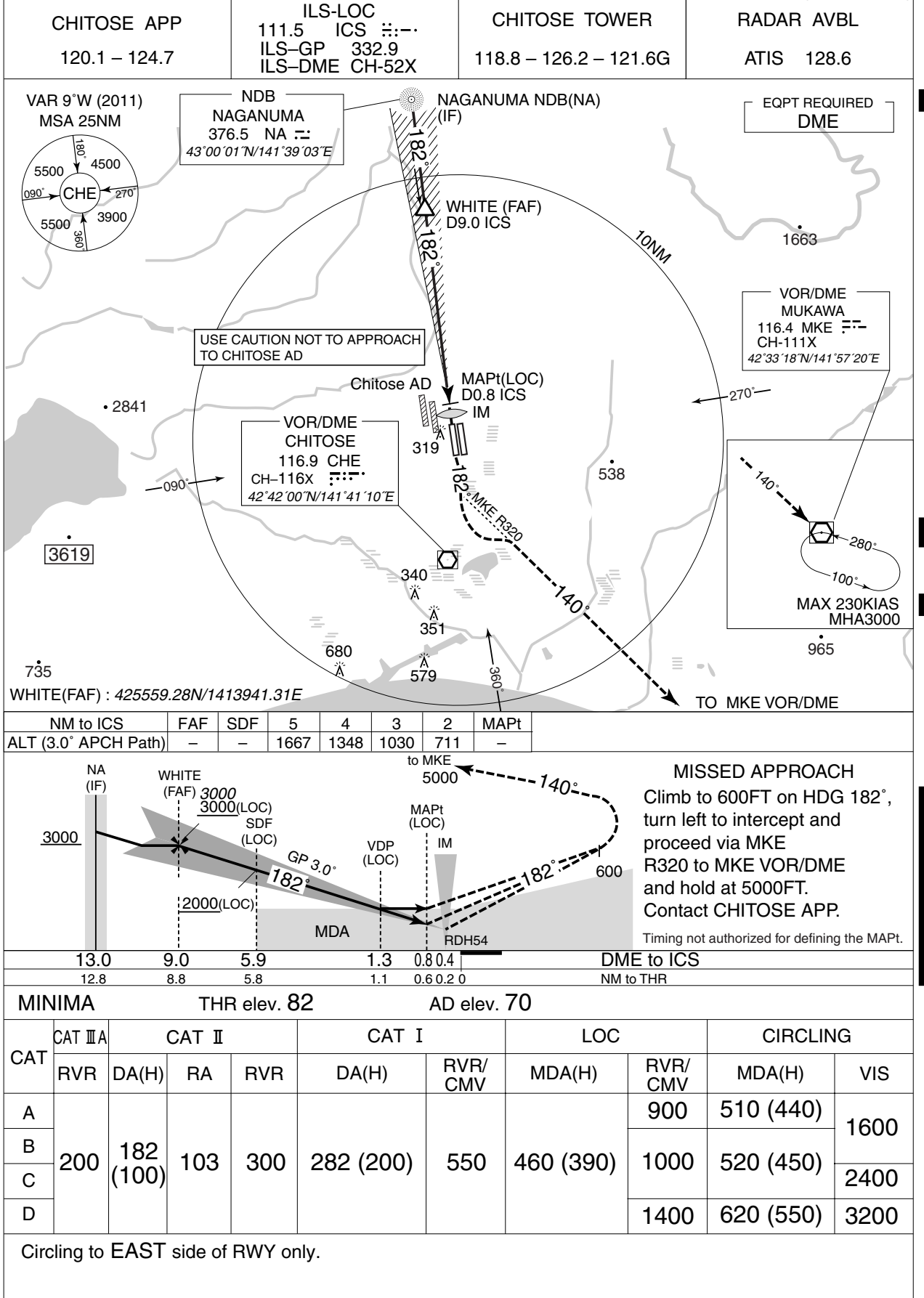
CAT	CAT IIIA		CAT II		CAT I		LOC		CIRCLING		
	RVR	DA(H)	RA	RVR	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS	
A	200	182 (100)	103	300	282 (200)	550	460 (390)	1000	900	510 (440)	1600
B									1000	520 (450)	
C									1400	620 (550)	3200
D											

Circling to EAST side of RWY only.

INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

ILS Y or LOC Y RWY19R (CAT II & III)

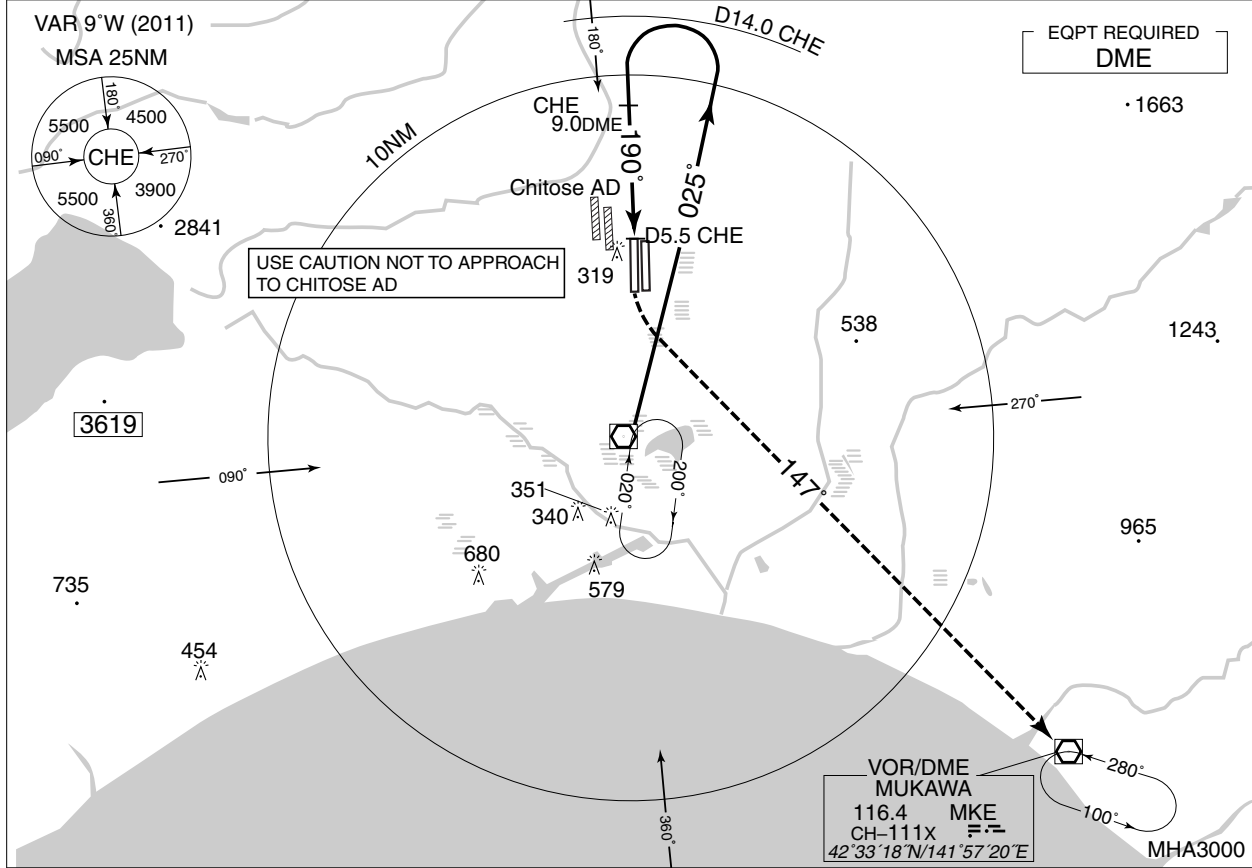


INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

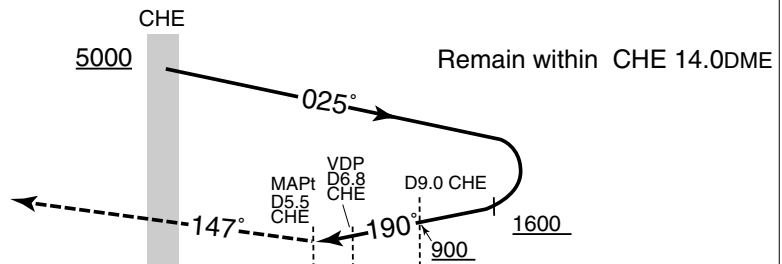
VOR RWY 19R

CHITOSE APP 120.1 – 124.7	CHITOSE VOR/DME 116.9 CHE CH-116X 42°42'00"N/141°41'10"E	CHITOSE TOWER 118.8 – 126.2 – 121.6G	RADAR AVBL ATIS 128.6
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MISSED APPROACH

At 5.5DME prior to CHE VOR/DME, turn left climb via MKE R327 to 5000FT, proceed to MKE VOR/DME and hold. Contact CHITOSE APP.



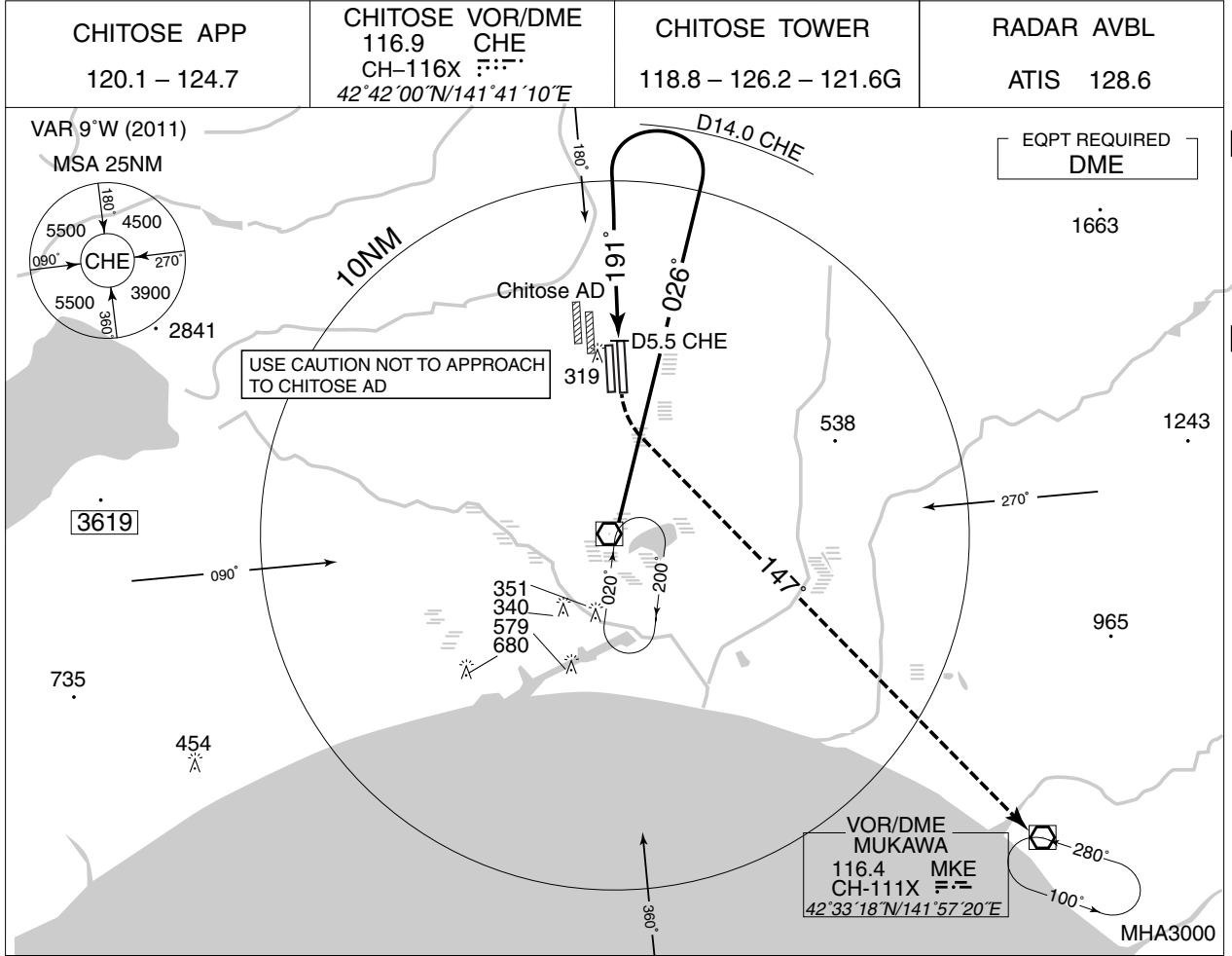
CAT	MINIMA		THR elev. 82	AD elev. 70
	MDA(H)	RVR/CMV	CIRCLING	
A	620 (550)	1000	620 (550)	1600
B		1200		2400
C		1600	640 (570)	3200
D				

Circling to EAST side of RWY only.

INSTRUMENT APPROACH CHART

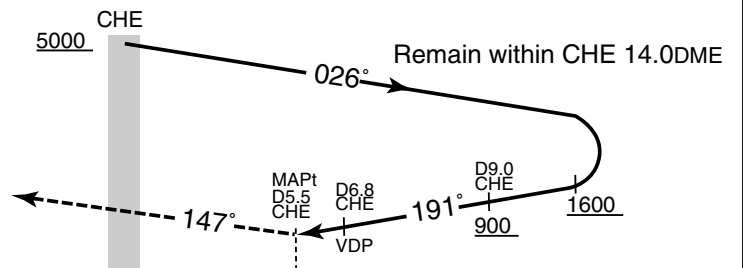
RJCC / NEW CHITOSE

VOR Y RWY 19L



**MISSED APPROACH**

At 5.5DME prior to CHE VOR/DME, turn left climb via MKE R327 to 5000FT, proceed to MKE VOR/DME and hold. Contact CHITOSE APP.



<b>MINIMA</b>	THR elev. 77	AD elev. 70		
CAT	CIRCLING			
	MDA(H)	CMV	MDA(H)	VIS
A	620 (550)	1400	620 (550)	1600
B		1500		
C		1600		
D		1800		

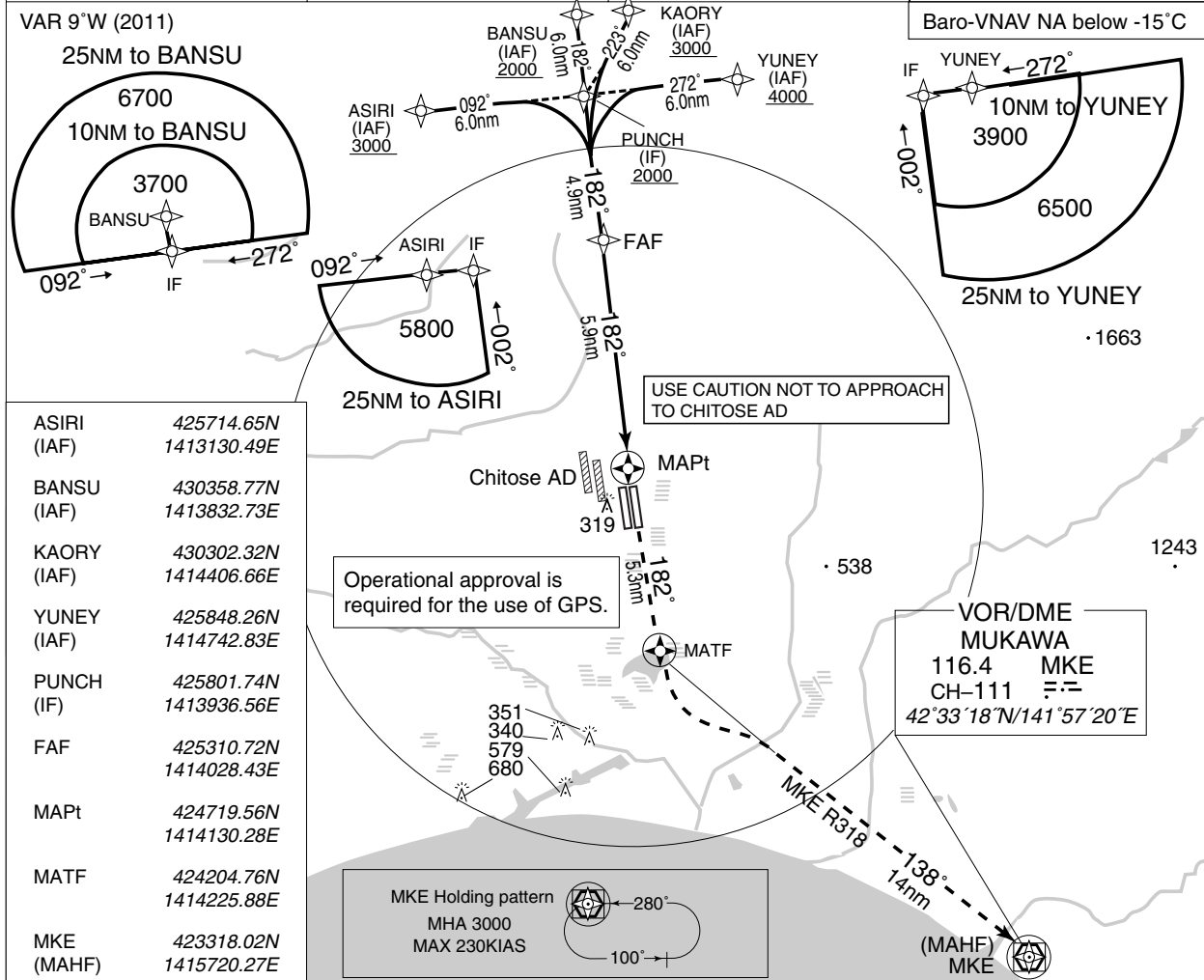
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INSTRUMENT APPROACH CHART

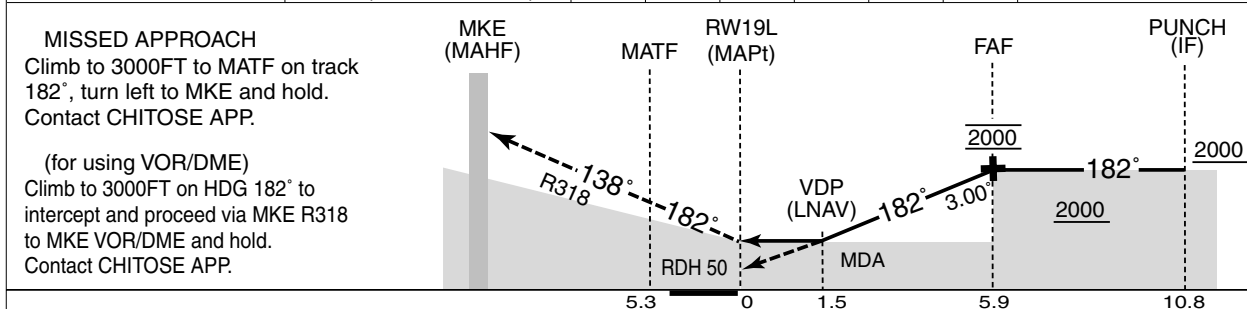
RJCC / NEW CHITOSE

RNAV(GNSS) RWY19L

CHITOSE APP 120.1 – 124.7	1. DME/DME not authorized. 2. RADAR service required.	CHITOSE TOWER 118.8 – 126.2 – 121.6G	RADAR AVAILABLE ATIS 128.6
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	NM To Next Fix	MAPt	2	3	4	5	5.9
	ALT (3.0° APCH Path)	-	763	1082	1400	1719	2000



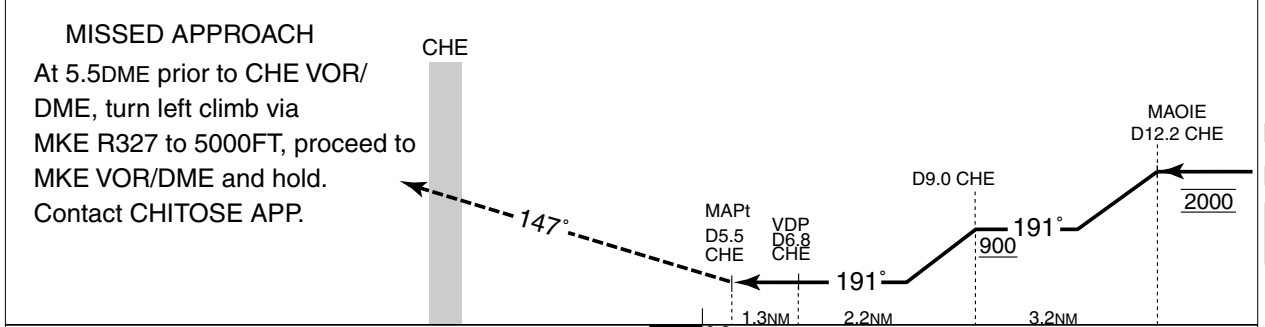
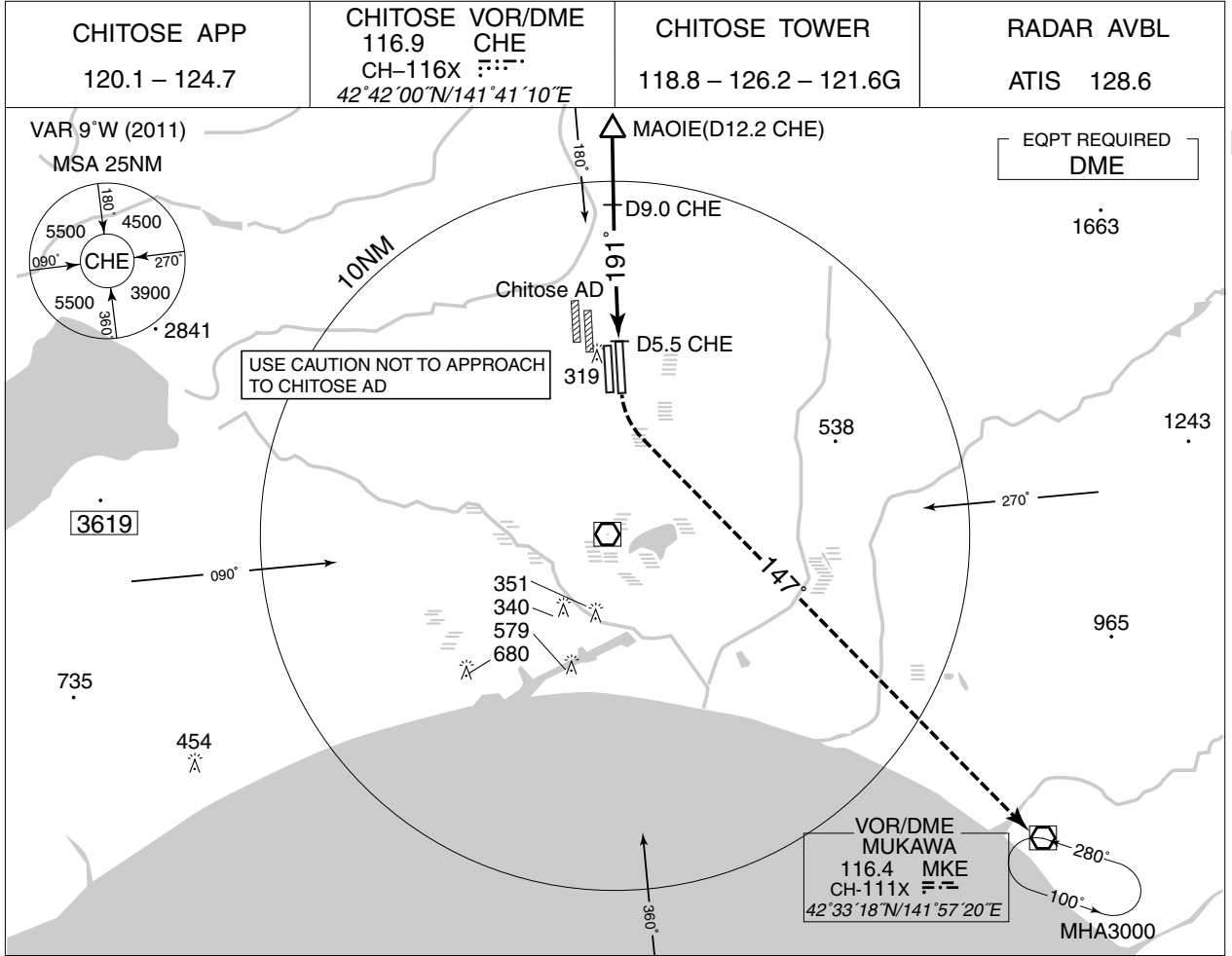
MINIMA		THR elev. 77		AD elev. 70		
CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	570 (493)	1400	570 (500)	1400	580 (510)	1600
B		1500		1500		
C		1600		1600		
D		1800		1800		

Circling to EAST side of RWY only

INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

VOR Z RWY19L



MINIMA		THR elev. 77	AD elev. 70		
CAT	CIRCLING				
	MDA(H)	CMV	MDA(H)	VIS	
A	620 (550)	1400	620 (550)	1600	
B		1500			
C		1600			2400
D		1800			640 (570)

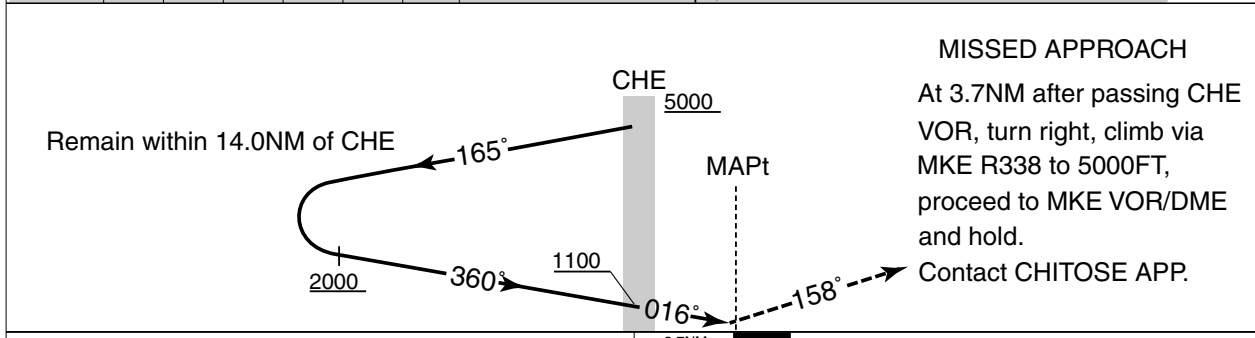
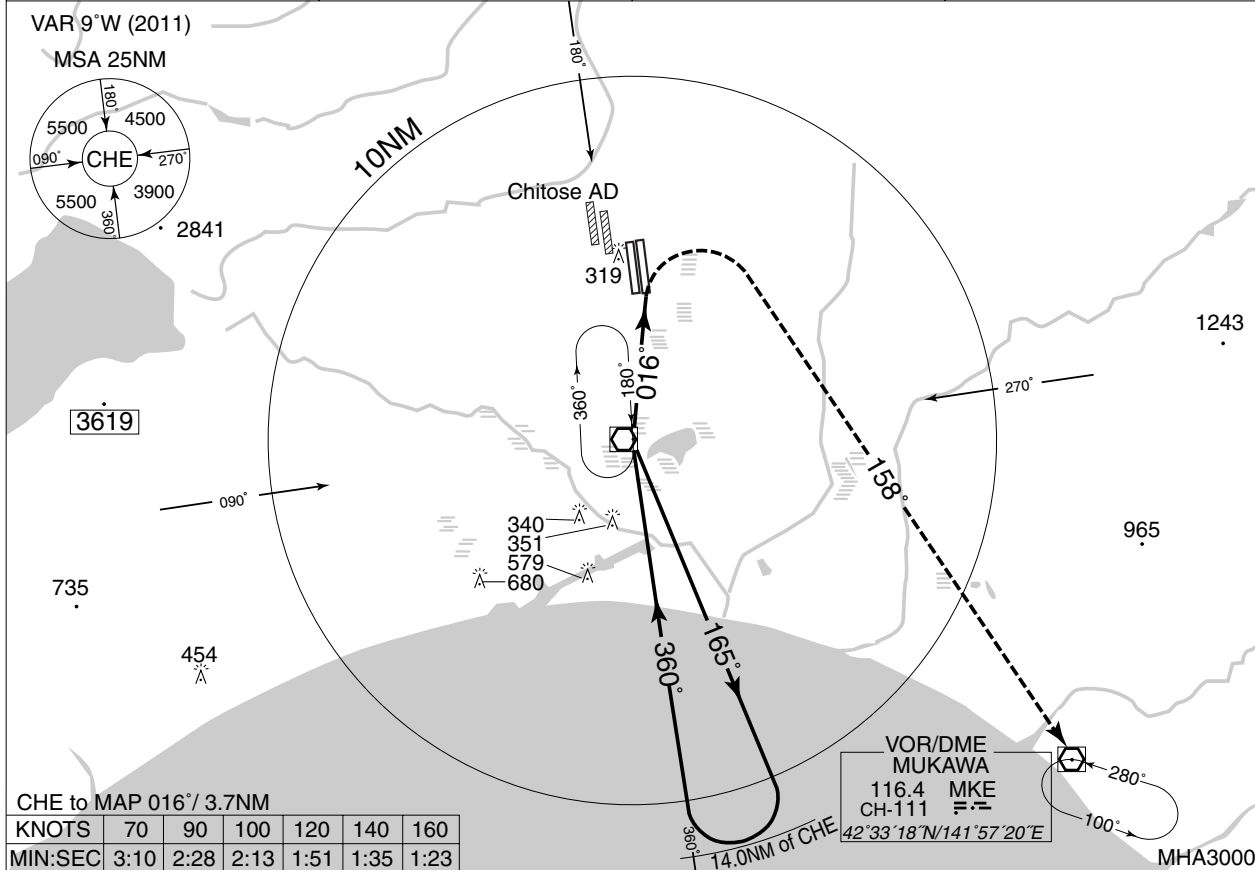
Circling to EAST side of RWY only.

INSTRUMENT APPROACH CHART

RJCC / NEW CHITOSE

VOR RWY 01R

CHITOSE APP 120.1 – 124.7	CHITOSE VOR/DME 116.9 CHE CH-116X 42°42'00"N/141°41'10"E	CHITOSE TOWER 118.8 – 126.2 – 121.6G	RADAR AVBL ATIS 128.6
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MINIMA	THR elev. 57		AD elev. 70		
CAT	CIRCLING				
	MDA(H)	RVR/CMV	MDA(H)	VIS	
A	600 (543)	1000	600 (530)	1600	
B		1200			2400
C					
D	1600	640 (570)	3200		

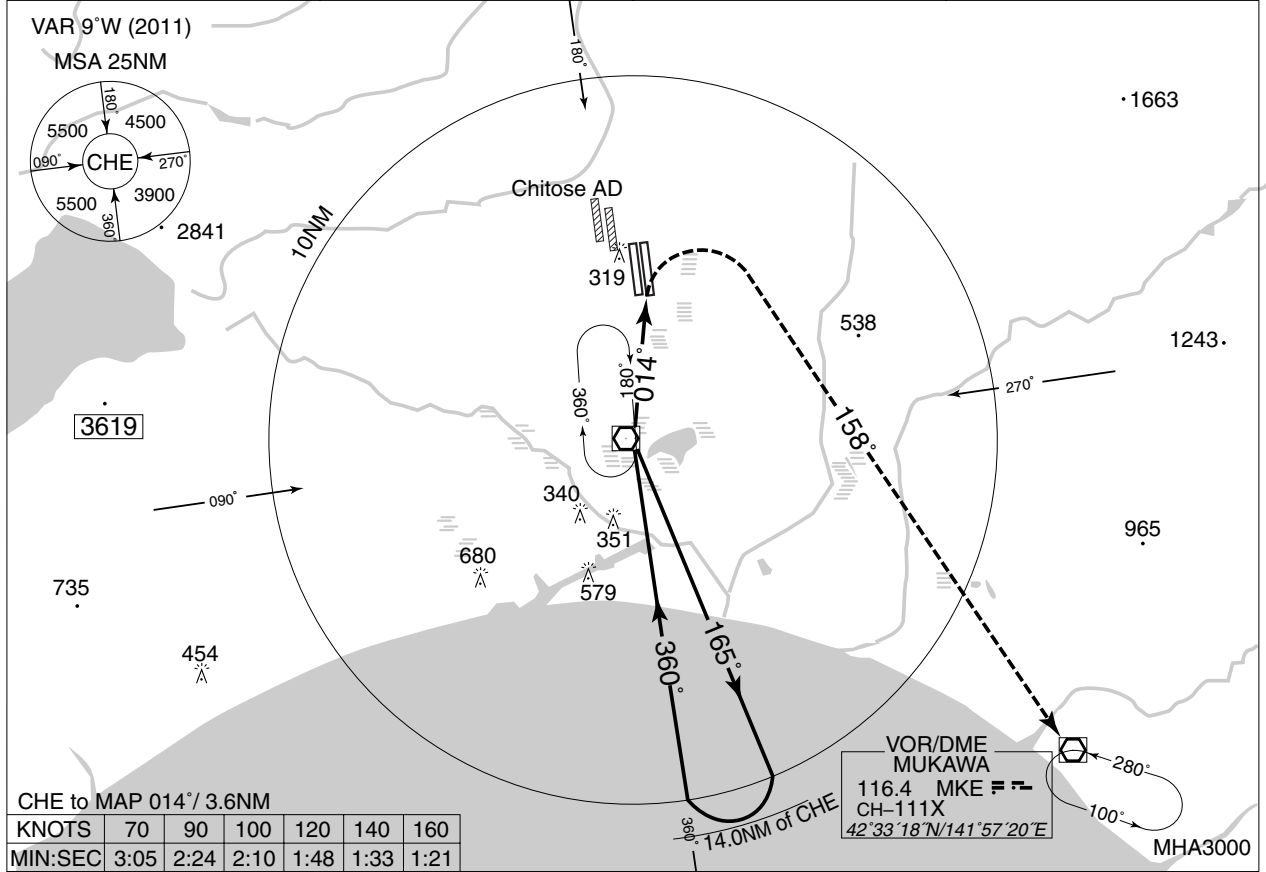
Circling to EAST side of RWY only.

INSTRUMENT APPROACH CHART

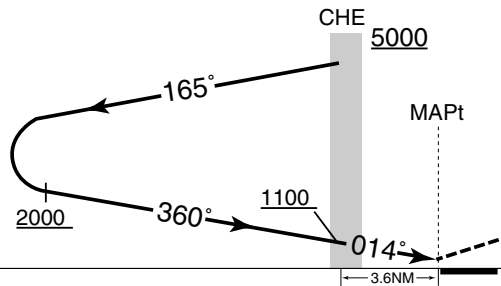
RJCC / NEW CHITOSE

VOR RWY 01L

CHITOSE APP 120.1 – 124.7	CHITOSE VOR/DME 116.9 CHE CH-116X 42°42'00"N / 141°41'10"E	CHITOSE TOWER 118.8 – 126.6 – 121.6G	RADAR AVBL ATIS 128.6
------------------------------	---	---	--------------------------



Remain within 14.0NM of CHE

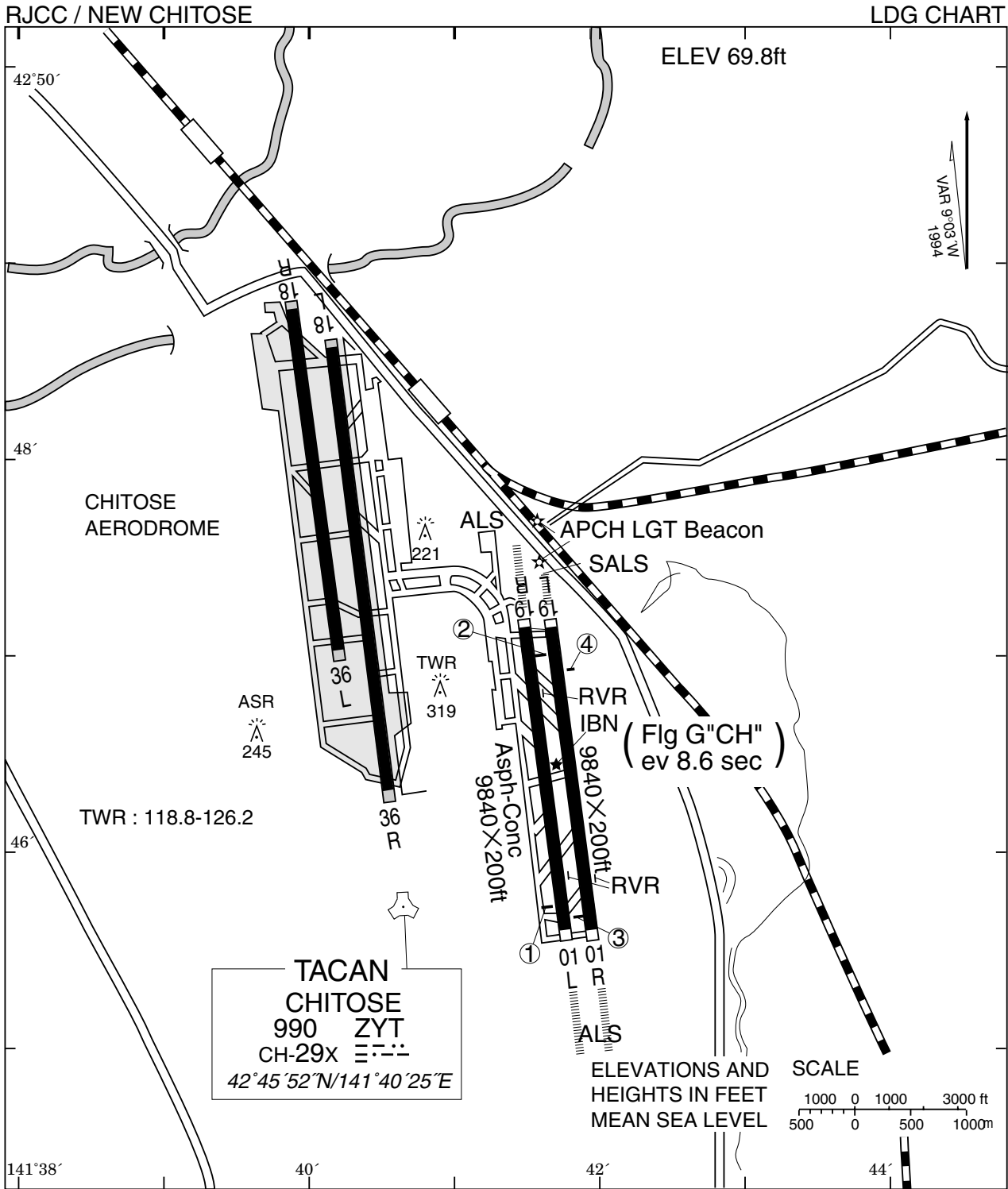


**MISSED APPROACH**  
At 3.6NM after passing CHE VOR, turn right climb via MKE R338 to 5000FT, proceed to MKE VOR/DME and hold.  
Contact CHITOSE APP.

MINIMA	THR elev. 62	AD elev. 70	CIRCLING		
CAT	MDA(H)	RVR/CMV	MDA(H)	VIS	
A	580 (518)	1000	580 (510)	1600	
B		1200		2400	
C		1600		640 (570)	3200
D					

Circling to EAST side of RWY only.





- |   |   |   |   |
|---|---|---|---|
| ① RWY01L:<br>Angle 3.0°<br>MEHT 20.0m(66ft)<br>402m inside fm THR | ② RWY19R:<br>Angle 3.0°<br>MEHT 19.7m(65ft)<br>422m inside fm THR | ③ RWY01R:<br>Angle 3.0°<br>MEHT 20.2m(66ft)<br>401m inside fm THR | ④ RWY19L:<br>Angle 3.0°<br>MEHT 22.5m(74ft)<br>475m inside fm THR |
|---|---|---|---|

RWY Grooving  
RWY 01L / 19R 3000mX60m  
RWY 01R / 19L 3000mX60m

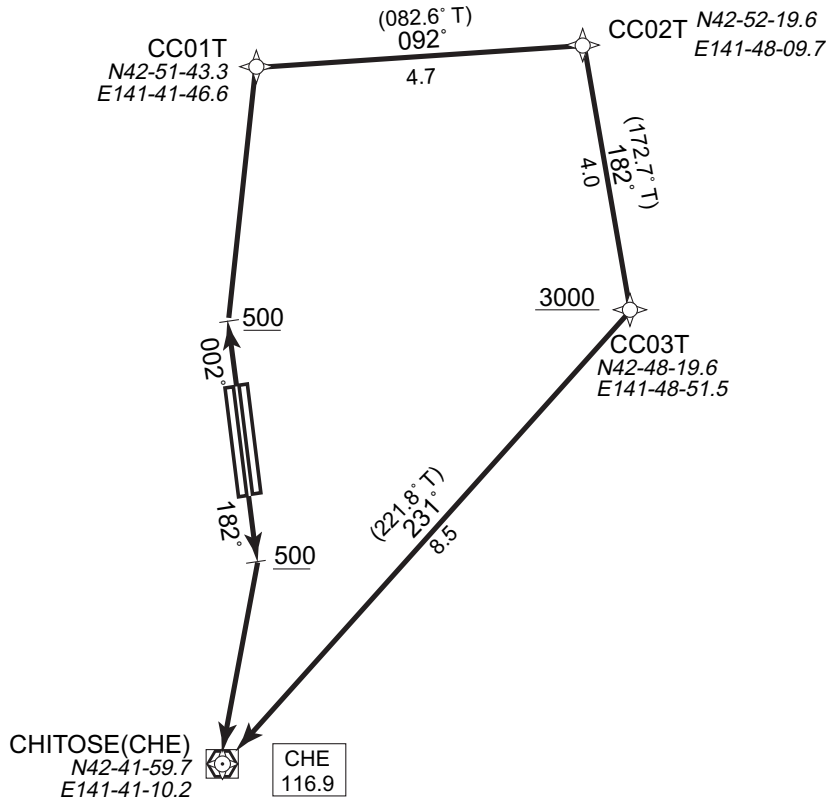
STANDARD DEPARTURE CHART -INSTRUMENT

RJCC / NEW CHITOSE

RNAV SID

SOSHU ONE RNAV DEPARTURE		RNAV 1
Note 1 ) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll. 2 ) RADAR service required.	Critical DME	-
	DME GAP	RWY01L/01R : DER - 2NM from DER 3NM to CHITOSE(CHE) - CHITOSE(CHE) RWY19L/19R : DER - CHITOSE(CHE)
	Inappropriate Nav aids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

VAR 9°W (2009)



DESIGNATION	COORDINATES
CC01T	42 51 43.3N 141 41 46.6E
CC02T	42 52 19.6N 141 48 09.7E
CC03T	42 48 19.6N 141 48 51.5E
CHITOSE (CHE)	42 41 59.7N 141 41 10.2E

Note : 5.0% climb gradient required up to 500FT.

SOSHU ONE RNAV DEPARTURE

RWY01L/01R : Climb on HDG 002° at or above 500FT, direct to CC01T, to CC02T, to CC03T at or above 3000FT, to CHITOSE(CHE).

RWY19R/19L : Climb on HDG 182° at or above 500FT, direct to CHITOSE(CHE).

Note : 5.0% climb gradient required up to 500FT.

## STANDARD DEPARTURE CHART -INSTRUMENT

## RJCC / NEW CHITOSE

## RNAV SID

SOSHU ONE RNAV DEPARTURE

## RWY01L/01R

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	002° (352.6°)	—	+500	—	—	RNAV1
DF	CC01T	—	—	—	—	—	—	—	RNAV1
TF	CC02T	—	4.7	092° (082.6°)	—	—	—	—	RNAV1
TF	CC03T	—	4.0	182° (172.7°)	—	+3000	—	—	RNAV1
TF	CHITOSE (CHE)	—	8.5	231° (221.8°)	—	—	—	—	RNAV1

## RWY19R/19L

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	182° (172.6°)	—	+500	—	—	RNAV1
DF	CHITOSE (CHE)	—	—	—	—	—	—	—	RNAV1

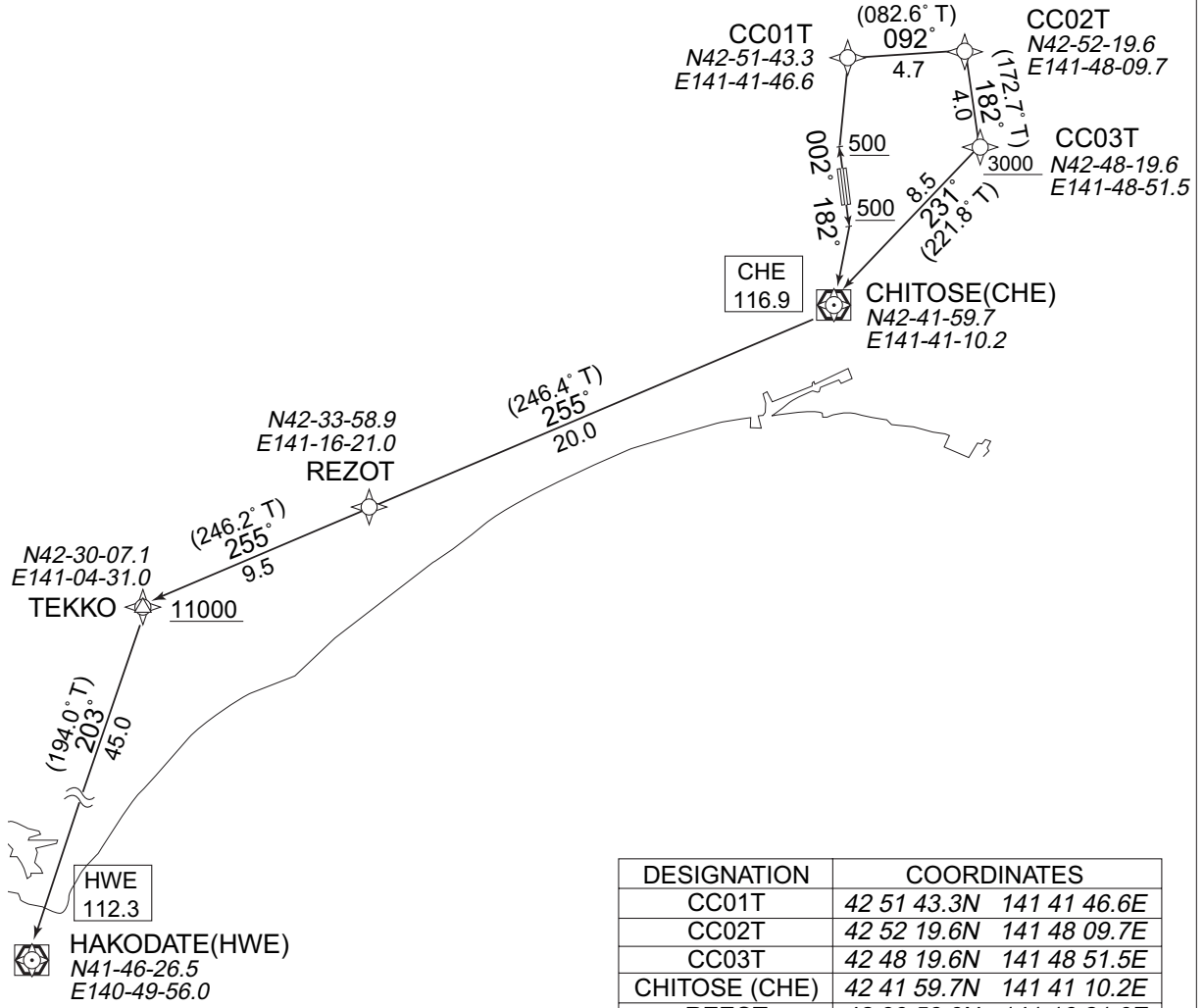
STANDARD DEPARTURE CHART -INSTRUMENT

RJCC / NEW CHITOSE

RNAV SID

REZOT ONE RNAV DEPARTURE		RNAV 1
Note 1 ) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll. 2 ) RADAR service required.	Critical DME	RWY01L/01R, RWY19L/19R MKE • ZYT : CHITOSE(CHE) – 18NM to REZOT SPE : 4NM to TEKKO – TEKKO
	DME GAP	RWY01L/01R : DER – 2NM from DER 3NM to CHITOSE(CHE) – CHITOSE(CHE) RWY19L/19R : DER – CHITOSE(CHE)
	Inappropriate Nav aids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

VAR 9°W (2009)



DESIGNATION	COORDINATES
CC01T	42 51 43.3N 141 41 46.6E
CC02T	42 52 19.6N 141 48 09.7E
CC03T	42 48 19.6N 141 48 51.5E
CHITOSE (CHE)	42 41 59.7N 141 41 10.2E
REZOT	42 33 58.9N 141 16 21.0E
TEKKO	42 30 07.1N 141 04 31.0E
HAKODATE (HWE)	41 46 26.5N 140 49 56.0E

Note : 5.0% climb gradient required up to 500FT.

REZOT ONE RNAV DEPARTURE

RWY01L/01R : Climb on HDG 002° at or above 500FT, direct to CC01T, to CC02T, to CC03T at or above 3000FT, to CHITOSE(CHE), to REZOT, to TEKKO at or above 11000FT, to HAKODATE(HWE).  
 RWY19R/19L : Climb on HDG 182° at or above 500FT, direct to CHITOSE(CHE), to REZOT, to TEKKO at or above 11000FT, to HAKODATE(HWE).

Note : 5.0% climb gradient required up to 500FT.

## STANDARD DEPARTURE CHART -INSTRUMENT

## RJCC / NEW CHITOSE

## RNAV SID

REZOT ONE RNAV DEPARTURE

## RWY01L/01R

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	002° (352.6°)	—	+500	—	—	RNAV1
DF	CC01T	—	—	—	—	—	—	—	RNAV1
TF	CC02T	—	4.7	092° (082.6°)	—	—	—	—	RNAV1
TF	CC03T	—	4.0	182° (172.7°)	—	+3000	—	—	RNAV1
TF	CHITOSE (CHE)	—	8.5	231° (221.8°)	—	—	—	—	RNAV1
TF	REZOT	—	20.0	255° (246.4°)	—	—	—	—	RNAV1
TF	TEKKO	—	9.5	255° (246.2°)	—	+11000	—	—	RNAV1
TF	HAKODATE (HWE)	—	45.0	203° (194.0°)	—	—	—	—	RNAV1

## RWY19R/19L

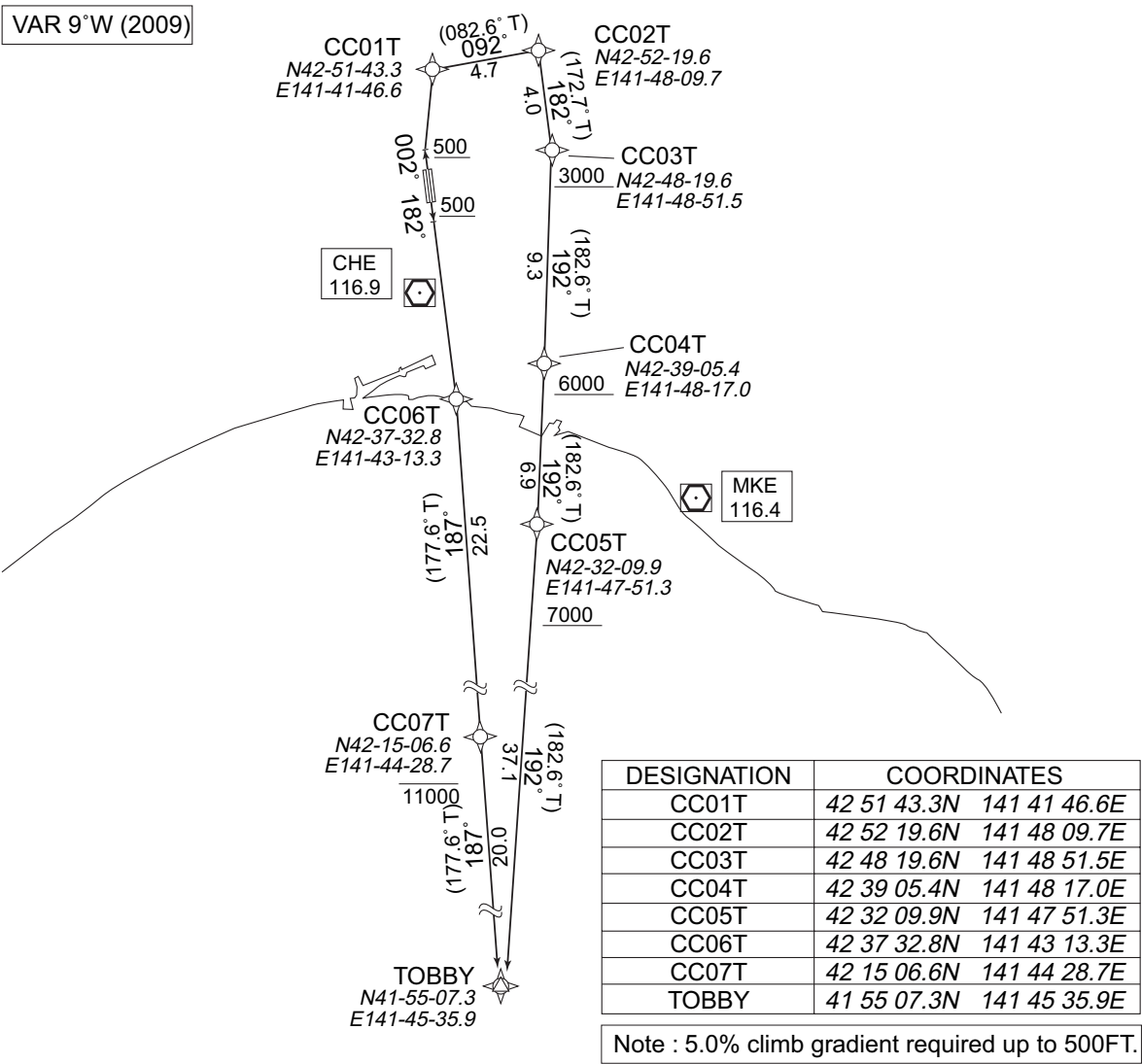
Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	182° (172.6°)	—	+500	—	—	RNAV1
DF	CHITOSE (CHE)	—	—	—	—	—	—	—	RNAV1
TF	REZOT	—	20.0	255° (246.4°)	—	—	—	—	RNAV1
TF	TEKKO	—	9.5	255° (246.2°)	—	+11000	—	—	RNAV1
TF	HAKODATE (HWE)	—	45.0	203° (194.0°)	—	—	—	—	RNAV1

STANDARD DEPARTURE CHART -INSTRUMENT

RJCC / NEW CHITOSE

RNAV SID

JUGGLAR ONE RNAV DEPARTURE		RNAV 1
Note 1) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll. 2) RADAR service required.		RWY01L/01R CHE : 2NM from DER – 2NM to CC01T 3NM to CC04T – CC04T MKE : 4NM to CC05T – 23NM to TOBBY 12NM to TOBBY – 5NM to TOBBY SPE : 18NM to TOBBY – TOBBY MWE : 4NM to TOBBY – TOBBY  RWY19L/19R MKE : 3NM to CC06T – 2NM to CC07T ZYT : 3NM to CC06T – 1NM to CC06T SPE : 17NM to TOBBY – TOBBY MWE : 3NM to TOBBY – TOBBY
DME GAP	RWY01L/01R : DER – 2NM from DER CC04T – 4NM to CC05T RWY19L/19R : DER – 3NM to CC06T	
Inappropriate Nav aids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1	



**JUGGLAR ONE RNAV DEPARTURE**

RWY01L/01R : Climb on HDG 002° at or above 500FT, direct to CC01T, to CC02T, to CC03T at or above 3000FT, to CC04T at or above 6000FT, to CC05T at or above 7000FT, to TOBBY.

RWY19R/19L : Climb on HDG 182° at or above 500FT, direct to CC06T, to CC07T at or below 11000FT, to TOBBY.

Note : 5.0% climb gradient required up to 500FT.

## STANDARD DEPARTURE CHART -INSTRUMENT

## RJCC / NEW CHITOSE

## RNAV SID

JUGGLAR ONE RNAV DEPARTURE

## RWY01L/01R

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	002° (352.6°)	—	+500	—	—	RNAV1
DF	CC01T	—	—	—	—	—	—	—	RNAV1
TF	CC02T	—	4.7	092° (082.6°)	—	—	—	—	RNAV1
TF	CC03T	—	4.0	182° (172.7°)	—	+3000	—	—	RNAV1
TF	CC04T	—	9.3	192° (182.6°)	—	+6000	—	—	RNAV1
TF	CC05T	—	6.9	192° (182.6°)	—	+7000	—	—	RNAV1
TF	TOBBY	—	37.1	192° (182.6°)	—	—	—	—	RNAV1

## RWY19R/19L

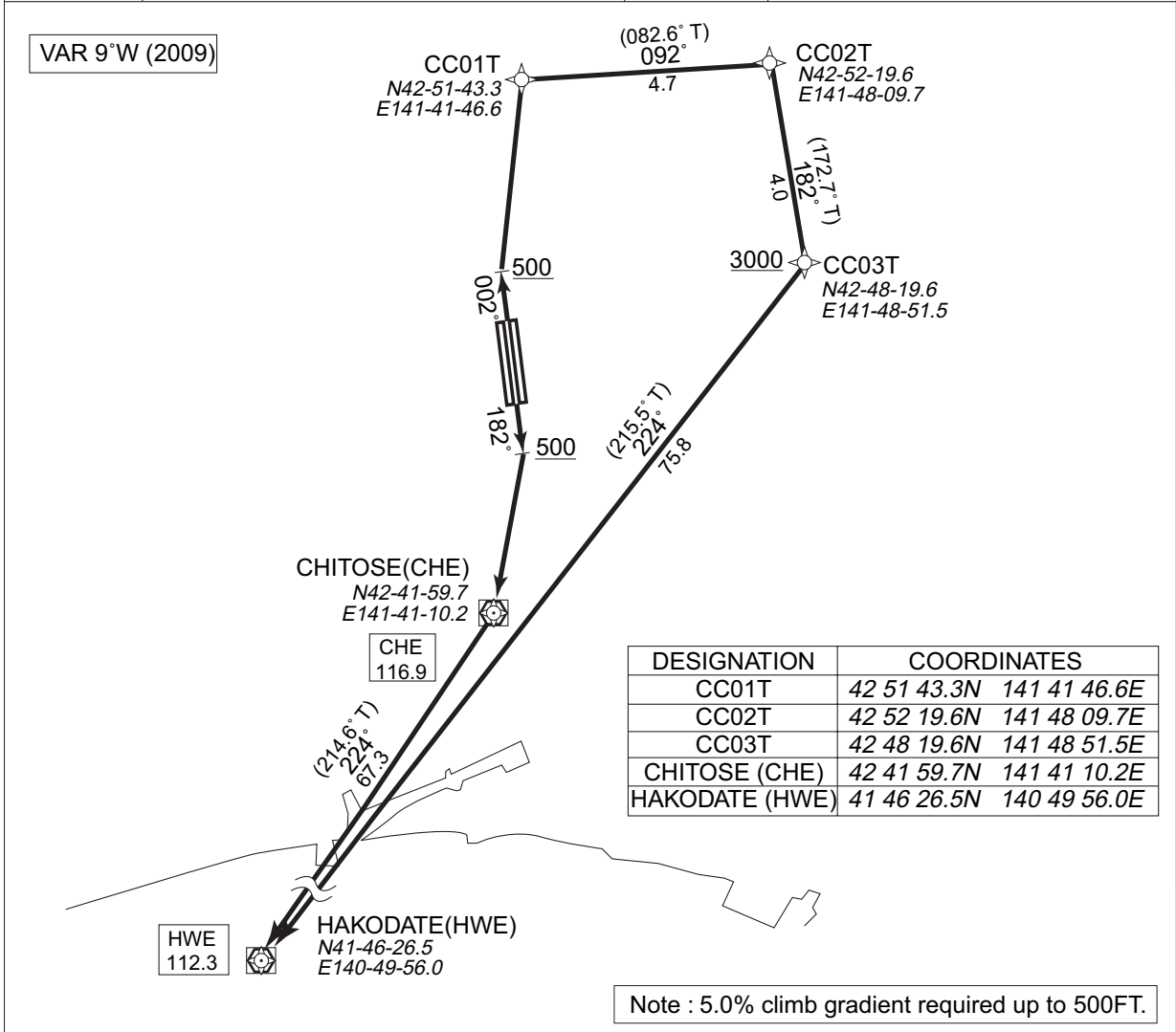
Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	182° (172.6°)	—	+500	—	—	RNAV1
DF	CC06T	—	—	—	—	—	—	—	RNAV1
TF	CC07T	—	22.5	187° (177.6°)	—	-11000	—	—	RNAV1
TF	TOBBY	—	20.0	187° (177.6°)	—	—	—	—	RNAV1

STANDARD DEPARTURE CHART -INSTRUMENT

RJCC / NEW CHITOSE

RNAV SID

GEFFY ONE RNAV DEPARTURE		RNAV 1
Note 1) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll. 2) RADAR service required.		RWY01L/01R MKE : 67NM to HWE – 56NM to HWE 47NM to HWE – 36NM to HWE, 35NM to HWE – 19NM to HWE ZYT : 67NM to HWE – 64NM to HWE 41NM to HWE – 36NM to HWE, MRE : 35NM to HWE – 19NM to HWE RWY19L/19R MKE : CHE – 56NM to HWE 47NM to HWE – 36NM to HWE 35NM to HWE – 19NM to HWE ZYT : CHE – 64NM to HWE 41NM to HWE – 36NM to HWE, MRE : 35NM to HWE – 19NM to HWE
DME GAP	RWY01L/01R : DER – 2NM from DER 70NM to HWE – 67NM to HWE RWY19L/19R : DER – CHE 36NM to HWE – 35NM to HWE	
Inappropriate Nav aids	See AD1.1.6.10.3. Inappropriate NAV AIDs for RNAV1	



**GEFFY ONE RNAV DEPARTURE**

RWY01L/01R : Climb on HDG 002° at or above 500FT, direct to CC01T, to CC02T, to CC03T at or above 3000FT, to HAKODATE(HWE).

RWY19R/19L : Climb on HDG 182° at or above 500FT, direct to CHITOSE(CHE), to HAKODATE(HWE).

Note : 5.0% climb gradient required up to 500FT.



## STANDARD DEPARTURE CHART -INSTRUMENT

## RJCC / NEW CHITOSE

## RNAV SID

GEFFY ONE RNAV DEPARTURE

## RWY01L/01R

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	002° (352.6°)	—	+500	—	—	RNAV1
DF	CC01T	—	—	—	—	—	—	—	RNAV1
TF	CC02T	—	4.7	092° (082.6°)	—	—	—	—	RNAV1
TF	CC03T	—	4.0	182° (172.7°)	—	+3000	—	—	RNAV1
TF	HAKODATE (HWE)	—	75.8	224° (215.5°)	—	—	—	—	RNAV1

## RWY19R/19L

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	182° (172.6°)	—	+500	—	—	RNAV1
DF	CHITOSE (CHE)	—	—	—	—	—	—	—	RNAV1
TF	HAKODATE (HWE)	—	67.3	224° (214.6°)	—	—	—	—	RNAV1

STANDARD DEPARTURE CHART -INSTRUMENT

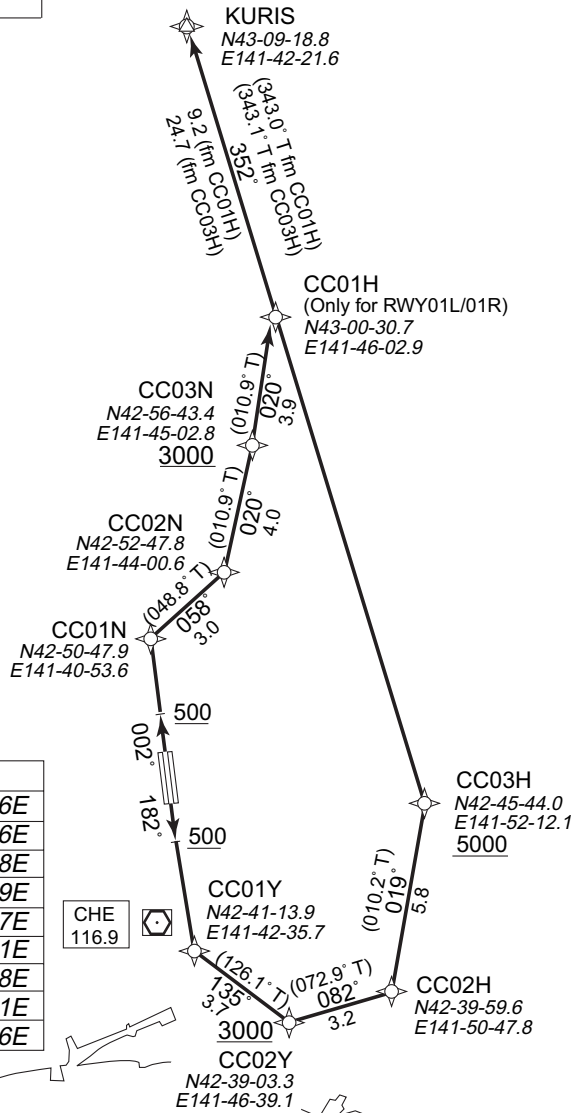
RJCC / NEW CHITOSE

RNAV SID

PATRUSH ONE RNAV DEPARTURE		RNAV 1
Note 1 ) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll. 2 ) RADAR service required.		Critical DME RWY01L/01R SPE : 7NM to KURIS – KURIS MKE : 2NM from DER – 3NM to CC01N CHE : 2NM from DER – 3NM to CC01N RWY19L/19R SPE : 1NM to CC02H – CC02H 7NM to KURIS – KURIS CHE : 1NM to CC02H – 4NM to CC03H
DME GAP	RWY01L/01R : DER – 2NM from DER RWY19L/19R : DER – 1NM to CC02H	
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1	

VAR 9°W (2009)

DESIGNATION	COORDINATES
CC01N	42 50 47.9N 141 40 53.6E
CC02N	42 52 47.8N 141 44 00.6E
CC03N	42 56 43.4N 141 45 02.8E
CC01H	43 00 30.7N 141 46 02.9E
CC01Y	42 41 13.9N 141 42 35.7E
CC02Y	42 39 03.3N 141 46 39.1E
CC02H	42 39 59.6N 141 50 47.8E
CC03H	42 45 44.0N 141 52 12.1E
KURIS	43 09 18.8N 141 42 21.6E



Note : 5.0% climb gradient required up to 500FT.

PATRUSH ONE RNAV DEPARTURE

RWY01L/01R : Climb on HDG 002° at or above 500FT, direct to CC01N, to CC02N, to CC03N at or above 3000FT, to CC01H, to KURIS.  
 RWY19R/19L : Climb on HDG 182° at or above 500FT, direct to CC01Y, to CC02Y at or above 3000FT, to CC02H, to CC03H at or above 5000FT, to KURIS.

Note : 5.0% climb gradient required up to 500FT.

## STANDARD DEPARTURE CHART -INSTRUMENT

## RJCC / NEW CHITOSE

## RNAV SID

PATRUSH ONE RNAV DEPARTURE

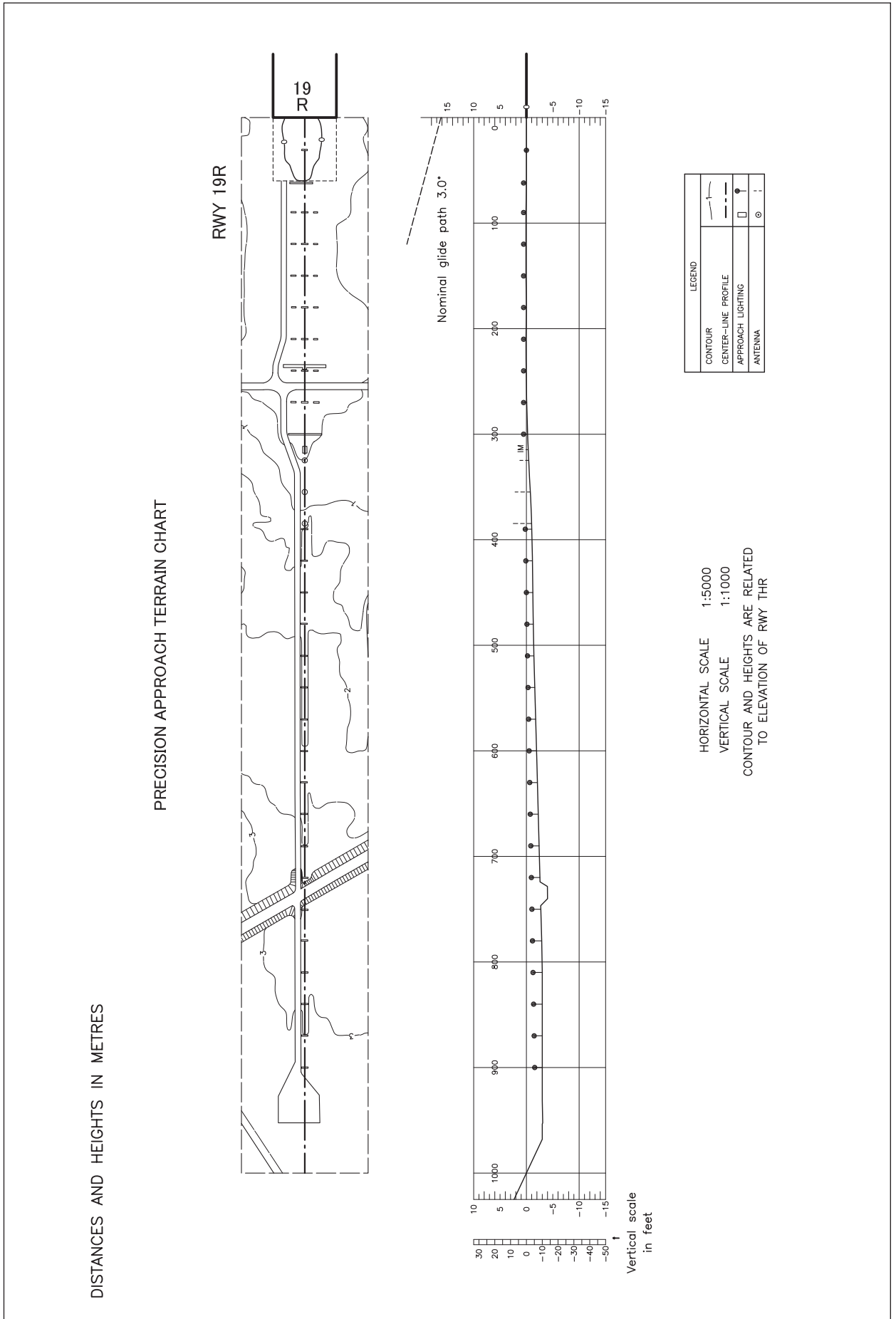
## RWY01L/01R

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	002° (352.6°)	—	+500	—	—	RNAV1
DF	CC01N	—	—	—	—	—	—	—	RNAV1
TF	CC02N	—	3.0	058° (048.8°)	—	—	—	—	RNAV1
TF	CC03N	—	4.0	020° (010.9°)	—	+3000	—	—	RNAV1
TF	CC01H	—	3.9	020° (010.9°)	—	—	—	—	RNAV1
TF	KURIS	—	9.2	352° (343.0°)	—	—	—	—	RNAV1

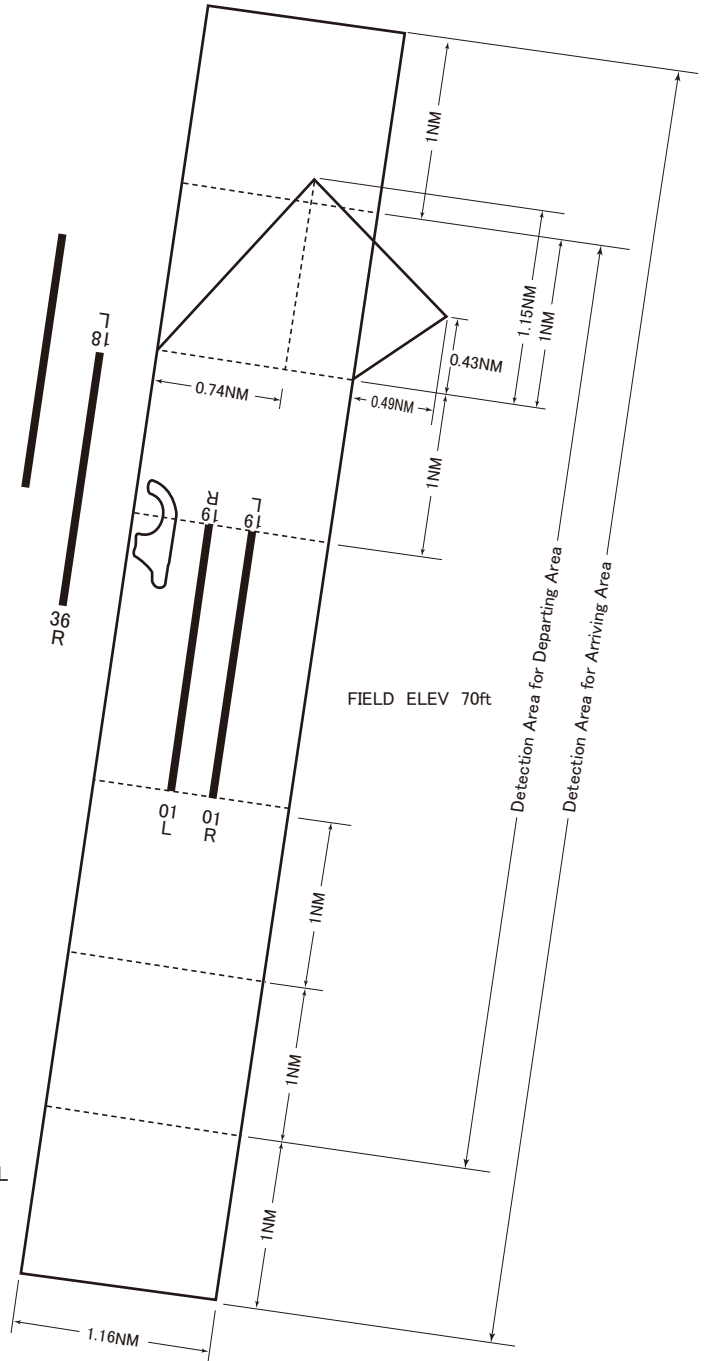
## RWY19R/19L

Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	182° (172.6°)	—	+500	—	—	RNAV1
DF	CC01Y	—	—	—	—	—	—	—	RNAV1
TF	CC02Y	—	3.7	135° (126.1°)	—	+3000	—	—	RNAV1
TF	CC02H	—	3.2	082° (072.9°)	—	—	—	—	RNAV1
TF	CC03H	—	5.8	019° (010.2°)	—	+5000	—	—	RNAV1
TF	KURIS	—	24.7	352° (343.1°)	—	—	—	—	RNAV1

PRECISION APPROACH TERRAIN CHART

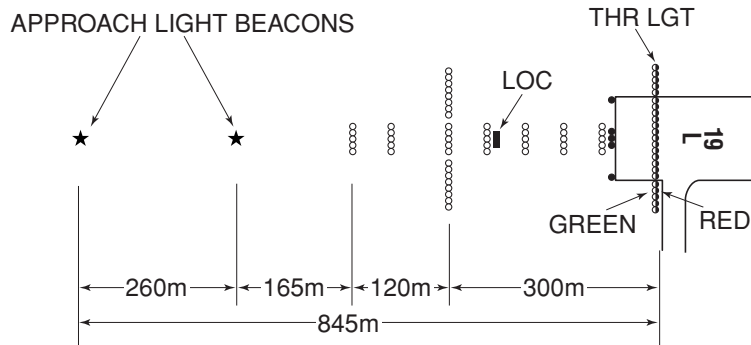


# Airspace for the advisory service concerning low level wind shear

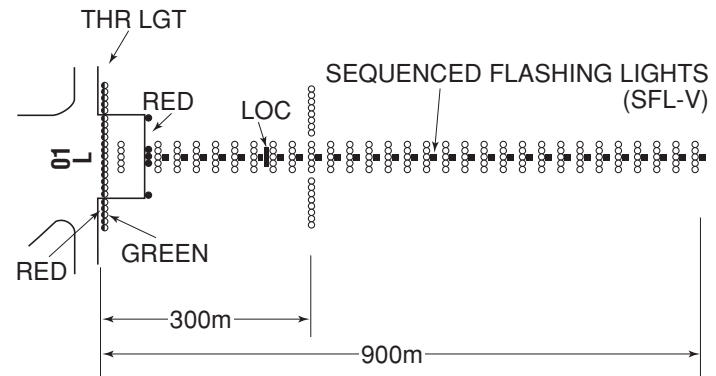
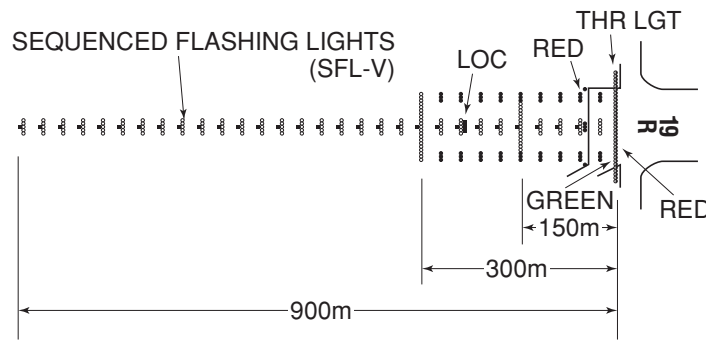
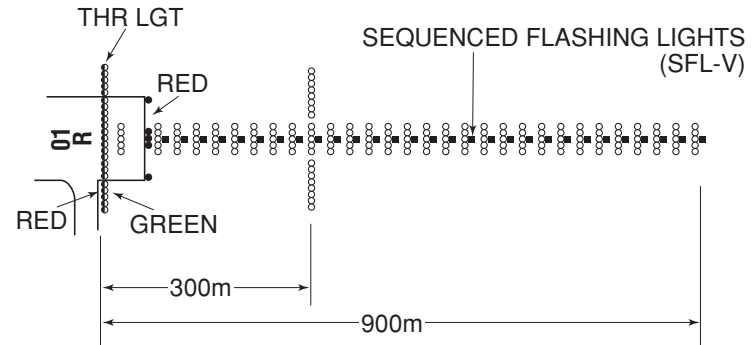


UPPER LIMIT : 1600ft above FIELD ELEV LEVEL  
LOWER LIMIT : FIELD ELEV LEVEL

SIMPLE APPROACH LIGHTING SYSTEM



APPROACH LIGHTING SYSTEM

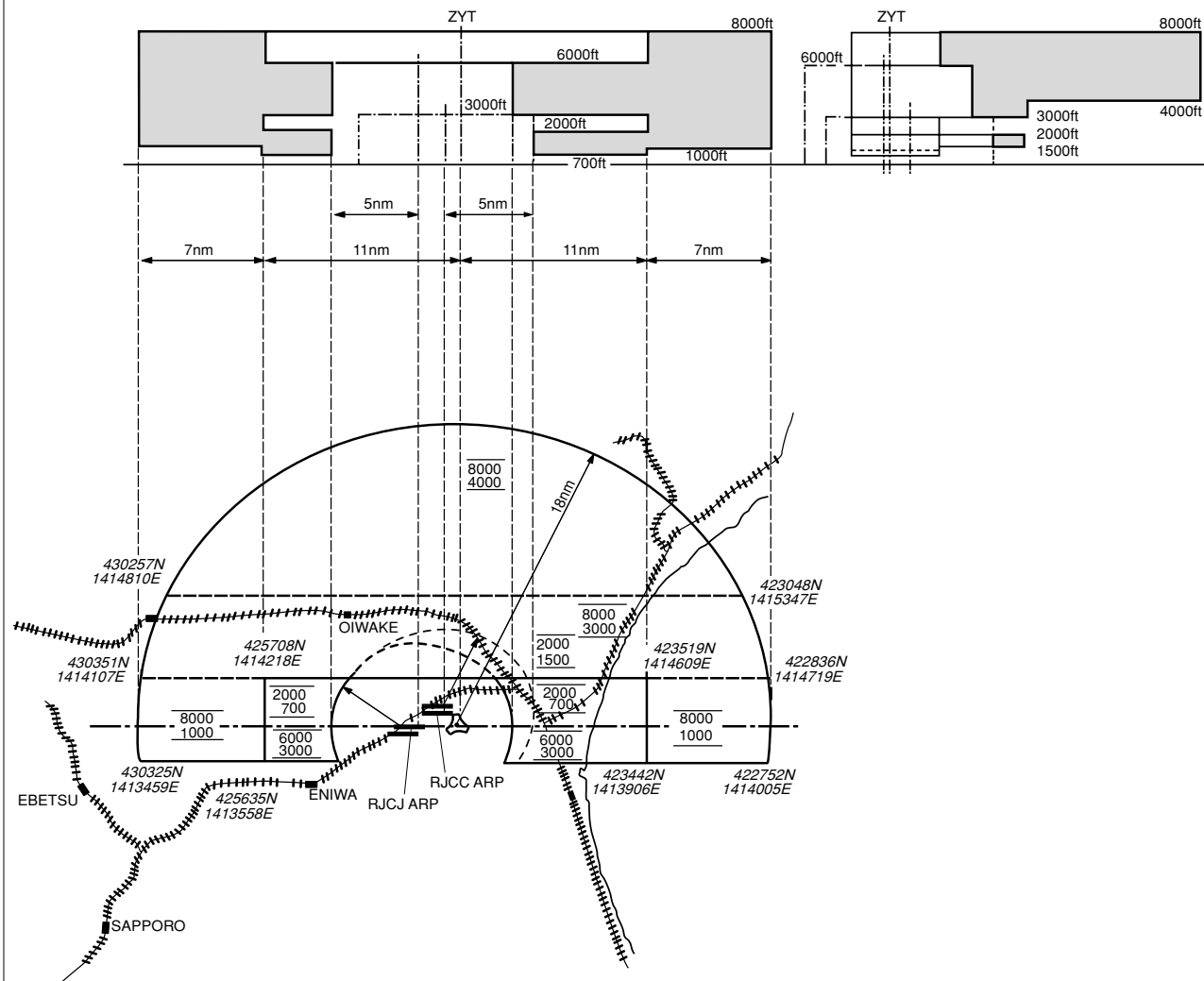


APPROACH LIGHTING SYSTEM

APPROACH LIGHTING SYSTEM

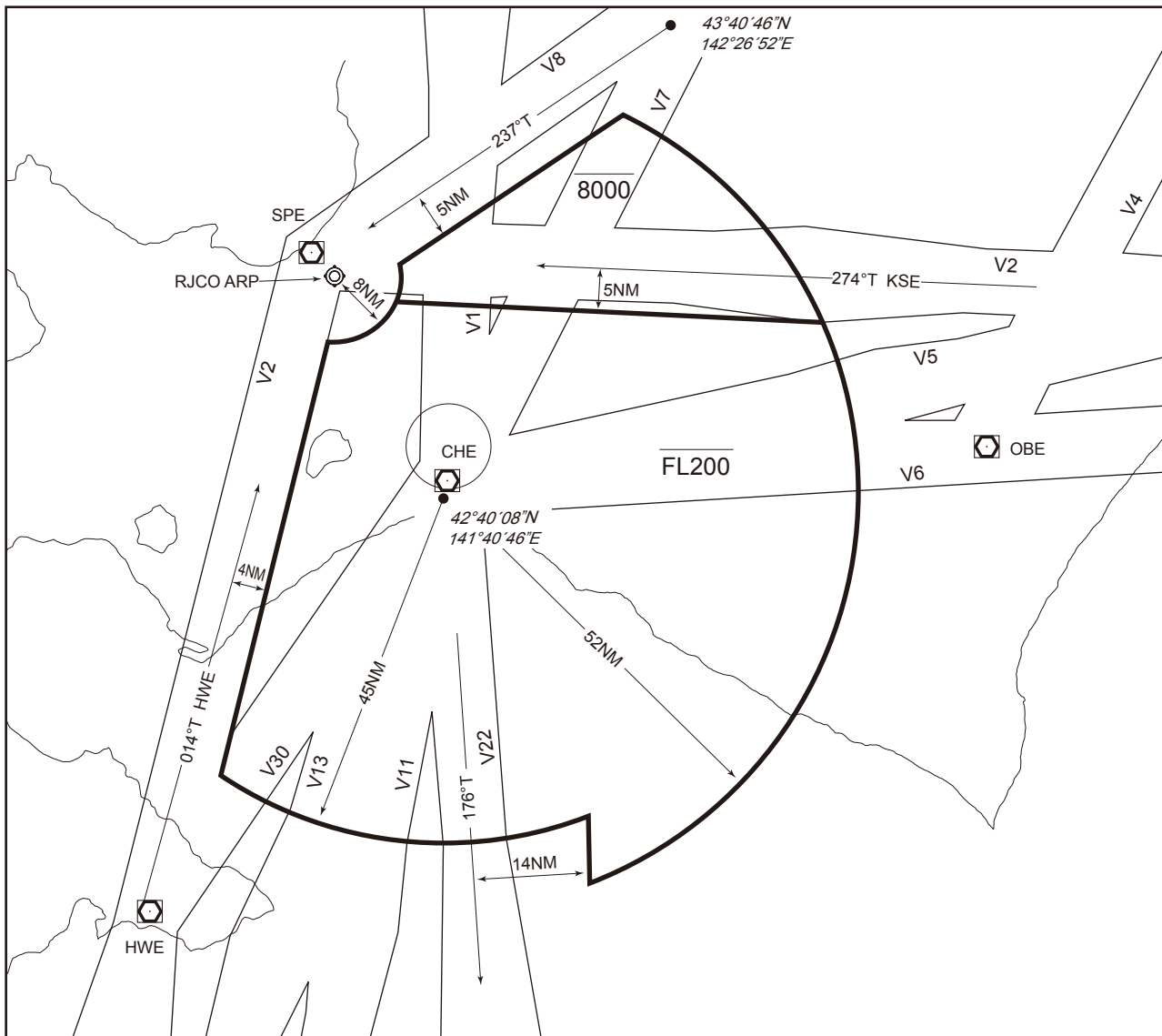
千歳特別管制区  
Chitose Positive Control Area

NAME	LATERAL LIMITS	UPPER LIMIT (AMSL)	UNIT PROVIDING SERVICE	REMARKS
		LOWER LIMIT (AMSL) M(ft)		
1	2	3	4	5
千歳 Chitose	下記に示される区域 The area shown below	2450 (8000) <hr/> 2450 (700)	Primary Chitose APP 120.1MHz 362.3MHz  Secondary Chitose TWR 118.8MHz 126.2MHz 236.8MHz	当該空域を飛行しようとする航空機は、千歳アプローチ又は千歳タワーに連絡し、コールサイン、現在位置、高度及び意図を通報し指示を受けること。  Pilot of aircraft operating in this area shall contact Chitose Approach or Chitose Tower for ATC instructions giving informations on aircraft identification, positions, altitude and pilot's intentions.



# 千歳進入管制区

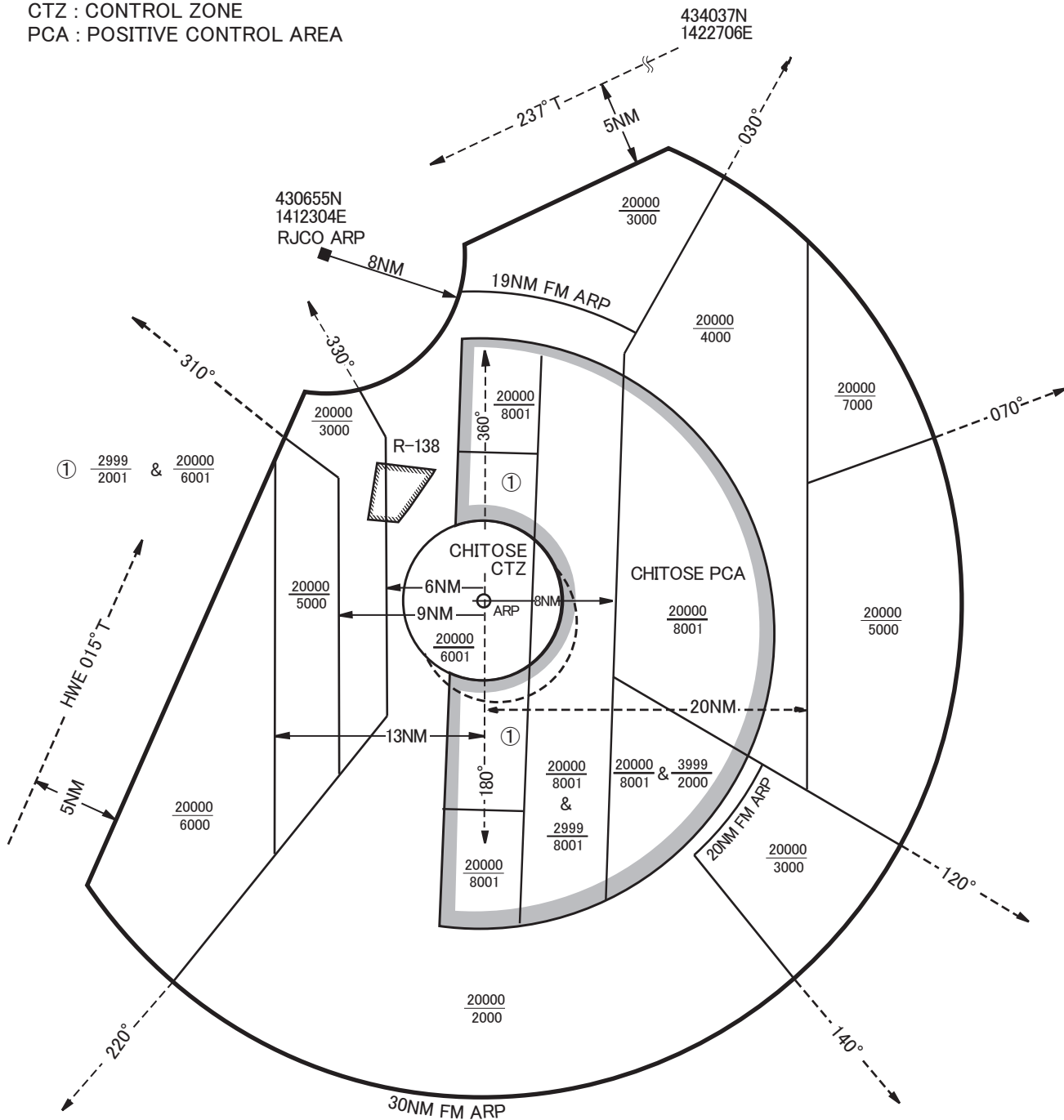
## Chitose Approach Control Area

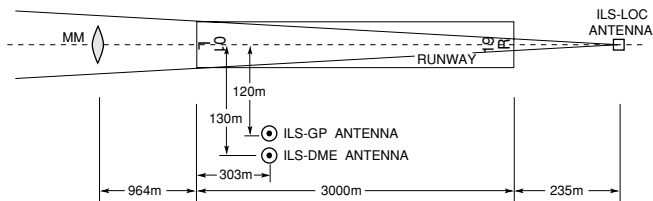




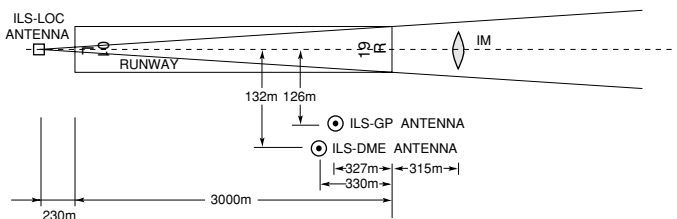
# 千歳ターミナルコントロールエリア Chitose Terminal Control Area

CTZ : CONTROL ZONE  
PCA : POSITIVE CONTROL AREA

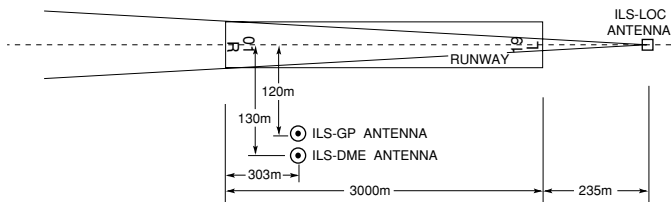


NEW CHITOSE AIRPORTILS for RWY 01L

- REMARKS :
- |                         |               |
|-------------------------|---------------|
| 1. LOC beam BRG (MAG)   | 002°          |
| 2. HGT of ILS REF datum | 16.7m (55 ft) |
| 3. GP Angle             | 3.0°          |
| 4. ELEV of ILS - DME    | 24.6m (81 ft) |

ILS for RWY 19R

- REMARKS :
- |                         |                 |
|-------------------------|-----------------|
| 1. LOC beam BRG (MAG)   | 182°            |
| 2. HGT of ILS REF datum | 16.4m (54 ft)   |
| 3. GP Angle             | 3.0°            |
| 4. ELEV of ILS-DME      | 29.15m (95.6ft) |

ILS for RWY 01R

- REMARKS :
- |                         |               |
|-------------------------|---------------|
| 1. LOC beam BRG (MAG)   | 002°          |
| 2. HGT of ILS REF datum | 16.5m (54 ft) |
| 3. GP Angle             | 3.0°          |
| 4. ELEV of ILS - DME    | 25.3m (83 ft) |

# A380-800 AND B747-8 MOVEMENT AREA

