

AD 2 AERODROMES**RJCJ AD 2.1 AERODROME LOCATION INDICATOR AND NAME****RJCJ - CHITOSE****RJCJ AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

1	ARP coordinates and site at AD	424740N 1413959E
2	Direction and distance from (city)	21nm SE Sapporo
3	Elevation/ Reference temperature	89ft / -
4	Geoid undulation at AD ELEV PSN	Nil
5	MAG VAR/ Annual change	9°W(2006) / -
6	AD Administration, address, telephone, telefax, telex, AFS, e-mail and/or Web-site addresses	JSDF-A Public AD
7	Types of traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	Nil

RJCJ AD 2.3 OPERATIONAL HOURS

1	AD Administration	H24
2	Customs and immigration	Nil
3	Health and sanitation	Nil
4	AIS Briefing Office	H24
5	ATS Reporting Office(ARO)	Nil
6	MET Briefing Office	Nil
7	ATS	H24
8	Fuelling	Nil
9	Handling	Nil
10	Security	Nil
11	De-icing	Nil
12	Remarks	Nil

RJCJ AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	Nil
2	Fuel/ oil types	JET A-1, JET A-1 PLUS
3	Fuelling facilities/ capacity	To be issued later
4	De-icing facilities	Nil
5	Hangar space for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	Nil

RJCJ AD 2.5 PASSENGER FACILITIES

1	Hotels	Nil
2	Restaurants	Nil
3	Transportation	Nil
4	Medical facilities	Nil
5	Bank and Post Office	Nil
6	Tourist Office	Nil
7	Remarks	Nil

RJCJ AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	Nil
2	Rescue equipment	Nil
3	Capability for removal of disabled aircraft	Nil
4	Remarks	Nil

RJCJ AD 2.7 SEASONAL AVAILABILITY-CLEARING

1	Types of clearing equipment	Nil
2	Clearance priorities	Nil
3	Remarks	Nil

RJCJ AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	Apron surface and strength	To be issued later
2	Taxiway width, surface and strength	To be issued later
3	ACL and elevation	Nil
4	VOR checkpoints	Nil
5	INS checkpoints	Nil
6	Remarks	Nil

RJCJ AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and Visual docking/ parking guidance system of aircraft stands	Nil
2	RWY and TWY markings and LGT	RWY: (LGT): REDL,RTHL, RWY DIST marker LGT, TKOF aiming LGT TWY: (LGT): TWY edge LGT
3	Stop bars	Nil
4	Remarks	Nil

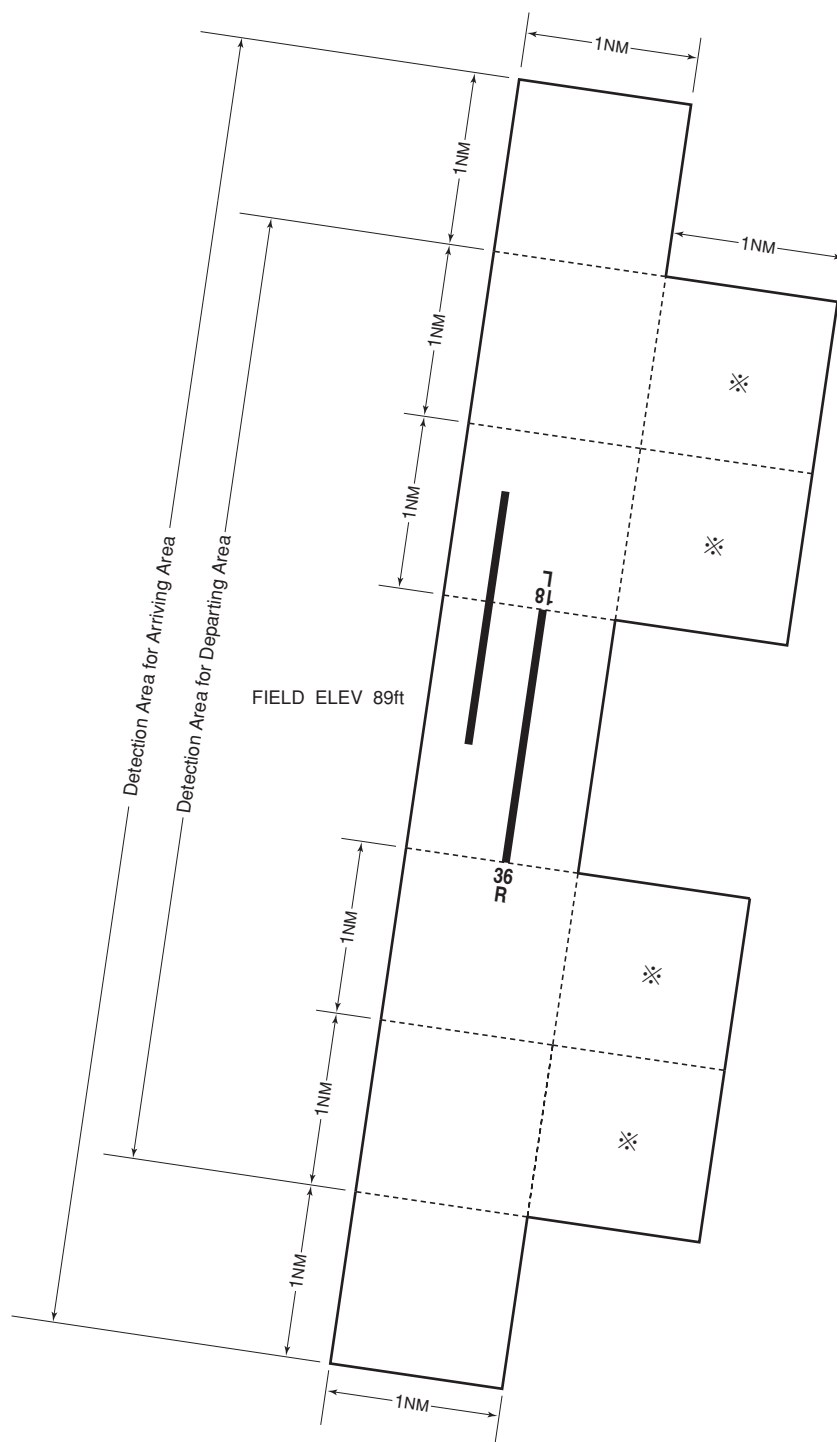
RJCJ AD 2.10 AERODROME OBSTACLES

RWY/Area affected	Obstacle type	Coordinates	Elevation	Markings/ LGT	Remarks
Nil					

RJCJ AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	CHITOSE
2	Hours of service MET Office outside hours	Nil
3	Office responsible for TAF preparation Periods of validity	Nil
4	Trend forecast Interval of issuance	Nil
5	Briefing/ consultation provided	Nil
6	Flight documentation Language(s) used	Nil
7	Charts and other information available for briefing or consultation	Nil
8	Supplementary equipment available for providing information	Doppler Radar for Airport Weather (See below figure)
9	ATS units provided with information	Nil
10	Additional information (limitation of service, etc.)	Observation is made by the Japan Defence Agency.

Airspace for the advisory service concerning low level wind shear (RWY18L/36R)



UPPER LIMIT : 1600ft above FIELD ELEV LEVEL

LOWER LIMIT : FIELD ELEV LEVEL

※Only for Departing Aircraft

**Airspace for the advisory service
concerning low level wind shear (RWY18R/36L)**



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

RJCJ AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY(M)	Strength(PCN) and surface of RWY	THR coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
18L 36R	172.60° 352.60°	3000x60 3000x60	PCN 62/R/B/X/T SW61000kg (134500lbs) DW87000kg (191800lbs) DTW202000kg (445400lbs) Concrete	Nil Nil	THR ELEV : 70ft THR ELEV : 85ft
18R 36L	172.60° 352.60°	2700x45 2700x45	PCN 65/F/A/W/T SW20000kg (44100lbs) DW25000kg (55100lbs) Asphalt Concrete	Nil Nil	THR ELEV : 65ft THR ELEV : 87ft
Slope of RWY	Strip Dimensions(M)		Remarks		
7	10		12		
See AD 2.24 AD Chart	3600x300 3600x300 3300x450 3300x450		Nil		

RJCJ AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6

RJCJ AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	RTHL Color WBAR	PAPI (VASIS) Angle DIST FM THR MEHT	RTZL LEN	RCLL LEN Spacing Color INTST	REDL LEN Spacing Color INTST	RENL Color WBAR	STWL LEN Color
1	2	3	4	5	6	7	8	9
18L	AVBL		PAPI 2.7°/Left 382.6m 52ft					
36R	AVBL		PAPI 2.7°/Left 376.5m 52ft					
18R			PAPI 2.7°/Left 379.8m 58ft					
36L			PAPI 2.7°/Left 379.5m 50ft					
Remarks								
10								

RJCJ AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	ABN: 424833N/1413915E, White/Green EV10sec, HO
2	LDI location and LGT Anemometer location and LGT	LDI: LGTD
3	TWY edge and center line lighting	To be developed
4	Secondary power supply/ switch-over time	Nil
5	Remarks	WDI LGT, OBST LGT

RJCJ AD 2.16 HELICOPTER LANDING AREA

To be issued later

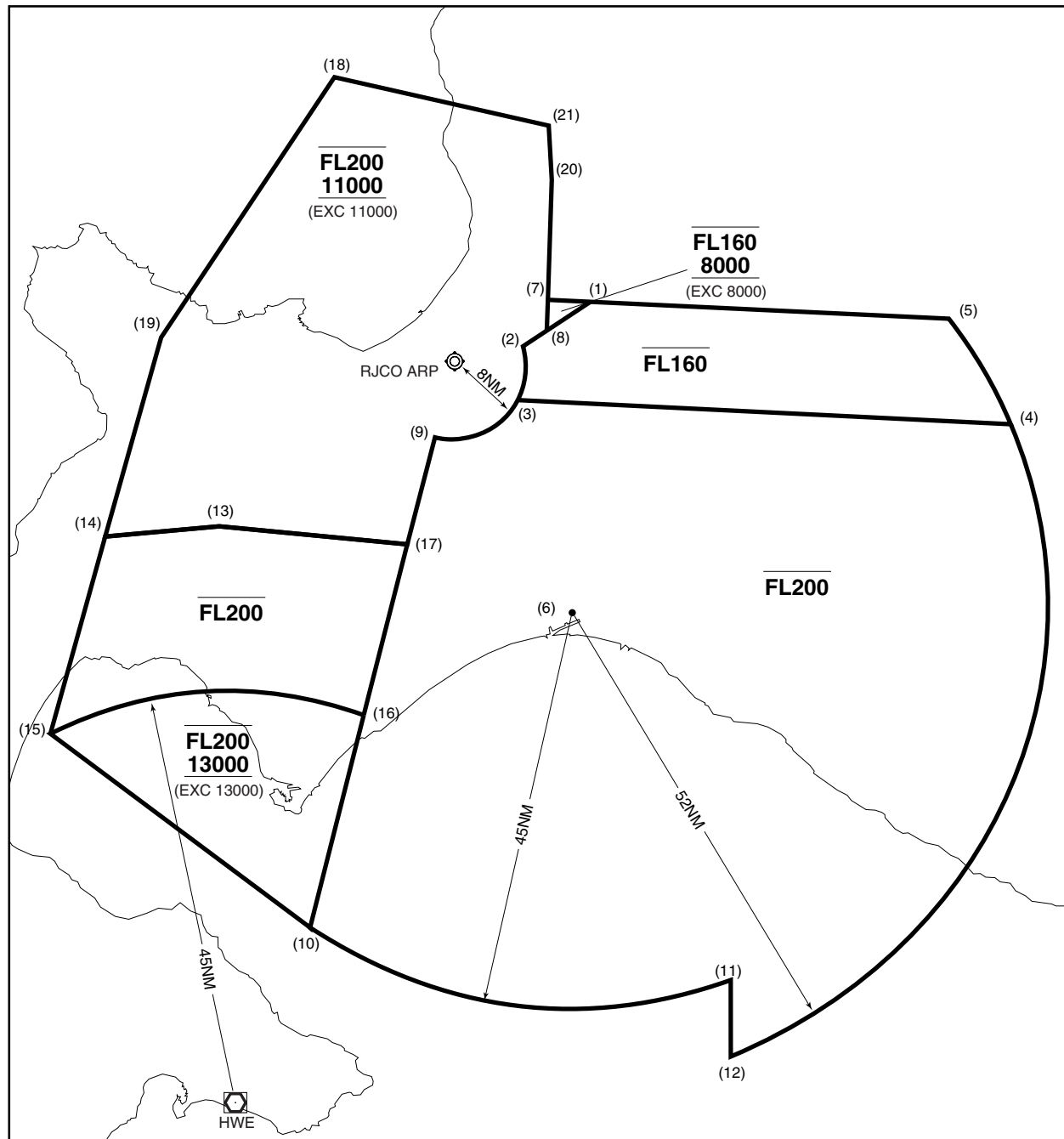
RJCJ AD 2.17 ATS AIRSPACE

Designation and lateral limits		Vertical limits (ft)	Airspace classification	ATS unit call sign Language	Remarks
1		2	3	4	6
CHITOSE CTR	(1)Area within a radius of 5nm of CHITOSE ARP (42°48'N/141°40'E) (2)Area within a radius of 5nm of New CHITOSE ARP (42°47'N/141°42'E)	6000 or below 3000 or below	D	CHITOSE TOWER En	
CHITOSE PCA	See RJCJ attached chart		E		
CHITOSE ACA	See RJCJ attached chart		E		
CHITOSE TCA	See RJCJ Attached Chart		E		

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) 200 (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

Point list

(1) 431403N 1414327E	(11) 415823N 1420331E	(21) 433305N 1413715E
(2) 430911N 1413325E	(12) 415105N 1420410E	
(3) 430321N 1413234E	(13) 424936N 1404824E	
(4) 430055N 1424535E	(14) 424829N 1403130E	
(5) 431217N 1423627E	(15) 422654N 1402321E	
(6) 424008N 1414046E	(16) 422858N 1410950E	
(7) 431414N 1413708E	(17) 424739N 1411616E	
(8) 431055N 1413659E	(18) 433818N 1410529E	
(9) 425916N 1412018E	(19) 431009N 1403947E	
(10) 420533N 1410152E	(20) 432714N 1413742E	

CTZ: CONTROL ZONE
PCA: POSITIVE CONTROL AREA

to 432714N 1413742E

431414N 1413708E

431403N 1414327E

to 431217N 1423627E

430655N 1412304E RJCO ARP

430911N 1413325E

431055N 1413659E

16000 3000

16000 4000

16000 7000

19NM fm ARP

8NM

430321N 1413234E

425916N 1412018E

20000 3000

20000 11001

to 424936N 1404824E

424739N 1411616E

20000 8000

20000 6000

20000 5000

20000 8001

20000 6001

CHITOSE CTZ ARP

20000 8001

CHITOSE PCA

20000 8001

20000 5000

20000 8001

20000 & 3999 2000

20000 8001

2999 2001

20000 8001

20000 3000

20NM

20NM fm ARP

120°

140°

30NM fm ARP

220°

45NM fm HWE

to 422654N 1402321E

422858N 1410950E

to 420533N 1410152E

① 2999 2001 & 20000 6001

② 16000 8001

③ 2999 2001 & 16000 8001

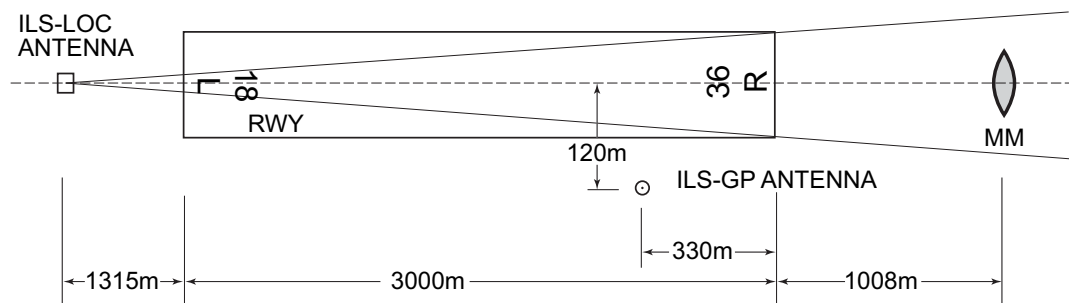
④ 20000 13001

RJCJ AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
APP/ASR	Chitose Approach/ Chitose Radar	362.3MHz(1) 120.1MHz(1) 305.7MHz(2) 124.7MHz(2) 243.0MHz(E) 121.5MHz(E)	H24	(1) Primary (2) Secondary
DEP	Chitose Depature	305.7MHz 124.7MHz	H24	
TCA	Chitose TCA	127.7MHz 256.1MHz	2300 - 1100 MON-FRI	
TWR	Chitose Tower	236.8MHz(1) 118.2MHz(1) 304.5MHz(2) 126.2MHz(2) 138.05MHz 247.0MHz(3)(4) 123.1MHz(3)(4) 243.0MHz(E) 121.5MHz(E)	H24	(1) Primary (2) Secondary (3) For rescue only. (4) AVBL on request.
GND	Chitose Ground	275.8MHz 121.7MHz	H24	
DLVRY	Chitose Delivery	322.2MHz 121.9MHz	H24	
MET	Chitose Metro	344.6MHz	H24	Pilot Forecaster service
GCA-ASR -PAR	Chitose Radar/ Chitose GCA	261.2MHz 119.1MHz 270.8MHz 119.5MHz 298.8MHz 124.0MHz 299.7MHz 125.3MHz 304.5MHz 131.4MHz 306.2MHz 310.8MHz 321.2MHz 335.6MHz 243.0MHz(E) 121.5MHz(E)	H24	ASR: RWY 18, 36 PAR: RWY 18, 36 Glide path: 2.7° PAR: Maintenance period 0000-0300 SAT in VMC

RJCJ AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
VOR	CHE	116.9MHz	H24	424159.65N/ 1414110.20E		
DME	CHE	1203MHz (CH-116X)	H24	424159.65N/ 1414110.20E	88ft	
TACAN	ZYT	990MHz (CH-29X)	H24	424552N/1414025E		
ILS-LOC 36R	ICB	110.3MHz	H24	424850N/1413955E		
ILS-GP 36R	-	335.0MHz	H24	424641N/1414012E		
ILS-MM 36R	-	75.0MHz	H24	424558N/1414026E		



REMARKS: 1.LOC Beam BRG(MAG) 002°
2.HGT of ILS REF datum 14.7m(48ft)
3.GP angle 2.7°

RJCJ AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Airport regulations

Nil

2. Taxiing to and from stands

Nil

3. Parking area for small aircraft(General aviation)

Nil

4. Parking area for helicopters

Nil

5. Apron - taxiing during winter conditions

Nil

6. Taxiing - limitations

Nil

7. School and training flights - technical test flights - use of runways

Nil

8. Helicopter traffic - limitation

Nil

9. Removal of disabled aircraft from runways

Nil

RJCJ AD 2.21 NOISE ABATEMENT PROCEDURES

Nil

RJCJ AD 2.22 FLIGHT PROCEDURES

1. TAKE OFF MINIMA					
	RWY	REDL AVBL		REDL OUT	
		CEIL-RVR	CEIL-VIS	CEIL-RVR	CEIL-VIS
TKOF ALTN AP FILED	18R	-	0'-600m	-	0'-800m
	36L	-	0'-600m	-	0'-800m
	18L	0'-600m	0'-600m	-	0'-800m
	36R	0'-600m	0'-600m	-	0'-800m
OTHER	18R	AVBL LDG MINIMA			
	36L				
	18L				
	36R				

NOTE: SIDs are designed in accordance with provisional standards for FLIGHT PROCEDURE DESIGN.

2. Lost communication procedures for arrival aircraft under radar navigational guidance

If radio communications with CHITOSE Radar are lost for 1 minute in the pattern or 5 seconds (PAR)/15 seconds (ASR) on final approach, squawk Mode A/3 Code 7600 and;

- (I)
1. Contact CHITOSE Radar/Tower.
 2. If unable, proceed in accordance with visual flight rules.
 3. If unable,
 - a. proceed to ABIRA IAF at last assigned altitude or 6,000 feet whichever is higher, and execute TACAN NR.4/TACAN NR.5 approach, as appropriate.
 - b. proceed to CHITOSE VOR/DME at last assigned altitude or 7,000 feet whichever is higher, and execute VOR or VOR/DME approach, as appropriate.
- (II) Procedures other than above will be issued when situation required.

3. Automated Radar Terminal System (ARTS)

When instructed by ATC, aircraft flying in and out of Chitose approach control area in principle will reply on 4096 Code (Mode A/3) with automatic altitude reporting capability (Mode C); Aircraft not equipped with the said transponder shall report ATC to that effect.

4. WX MINIMA CONCERNING PAR/ASR APCH PROCEDURE FOR CIVIL ACFT

PAR RWY18L

MINIMA		THR elev. 70		AD elev. 89	
CAT			CIRCLING		
	DA(H)	RVR/CMV	MDA(H)	VIS	
A	299(229)	750	700(611)	1600	
B					
C				2400	
D					

Simultaneous approach authorized with RJCC RWY19L(ILS)
or RWY19R(ILS)

PAR RWY18R

MINIMA		THR elev. 65		AD elev. 89	
CAT			CIRCLING		
	DA(H)	CMV	MDA(H)	VIS	
A	276(211)	1000	700(611)	1600	
B					
C				2400	
D					

Simultaneous approach authorized with RJCC RWY19L(ILS)
or RWY19R(ILS)

PAR RWY36L

MINIMA		THR elev. 87		AD elev. 89	
CAT			CIRCLING		
	DA(H)	CMV	MDA(H)	VIS	
A	287(200)	1000	700(611)	1600	
B					
C				2400	
D					

Simultaneous approach authorized with RJCC RWY01L(ILS)
or RWY01R(ILS)

PAR RWY36R

MINIMA		THR elev. 85		AD elev. 89	
CAT			CIRCLING		
	DA(H)	RVR/CMV	MDA(H)	VIS	
A	287(202)	750	700(611)	1600	
B				2400	
C					
D				3200	

Simultaneous approach authorized with RJCC RWY01L(ILS)
or RWY01R(ILS)

ASR RWY18L

MINIMA		THR elev. 70	AD elev. 89	
CAT			CIRCLING	
	MDA(H)	RVR/CMV	MDA(H)	VIS
A	700(630)	1000	700(611)	1600
B		1200		
C				1600
D				

ASR RWY18R

MINIMA		THR elev. 65	AD elev. 89	
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	700(635)	1500	700(611)	1600
B				
C		2000		2400
D				

ASR RWY36L

MINIMA		THR elev. 87	AD elev. 89	
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	700(611)	1500	700(611)	1600
B				2400
C		2000		
D				

ASR RWY36R

MINIMA		THR elev. 85		AD elev. 89	
CAT			CIRCLING		
	MDA(H)	RVR/CMV	MDA(H)	VIS	
A	700(611)	1000	700(611)	1600	
B		1200			
C				1600	2400
D					3200

5. WX MINIMA CONCERNING PAR/ASR APCH PROCEDURE FOR JSDF ACFT

PAR RWY18L

MINIMA		THR elev. 70	AD elev. 89	
CAT			CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	VIS
A	200(130)	750	700(611)	1600
B				2400
C				
D				

Simultaneous approach authorized with RJCC RWY19L(ILS)
or RWY19R(ILS)

PAR RWY18R

MINIMA		THR elev. 65	AD elev. 89	
CAT			CIRCLING	
	DA(H)	CMV	MDA(H)	VIS
A	200(135)	1000	700(611)	1600
B				2400
C				
D				

Simultaneous approach authorized with RJCC RWY19L(ILS)
or RWY19R(ILS)

PAR RWY36L

MINIMA		THR elev. 87	AD elev. 89	
CAT			CIRCLING	
	DA(H)	CMV	MDA(H)	VIS
A	200(113)	1000	700(611)	1600
B				2400
C				
D				

Simultaneous approach authorized with RJCC RWY01L(ILS)
or RWY01R(ILS)

PAR RWY36R

MINIMA		THR elev. 85	AD elev. 89	
CAT			CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	VIS
A	212(127)	750	700(611)	1600
B				2400
C				
D				

Simultaneous approach authorized with RJCC RWY01L(ILS)
or RWY01R(ILS)

ASR RWY18L

MINIMA		THR elev. 70	AD elev. 89	
CAT			CIRCLING	
	MDA(H)	RVR/CMV	MDA(H)	VIS
A	700(630)	1000	700(611)	1600
B		1200		
C				2400
D				

ASR RWY18R

MINIMA		THR elev. 65	AD elev. 89		
CAT			CIRCLING		
	MDA(H)	CMV	MDA(H)	VIS	
A	700(635)	1500	700(611)	1600	
B		2000		2400	
C					
D					3200

ASR RWY36L

MINIMA		THR elev. 87	AD elev. 89		
CAT			CIRCLING		
	MDA(H)	CMV	MDA(H)	VIS	
A	700(611)	1500	700(611)	1600	
B		2000		2400	
C					
D					3200

ASR RWY36R

MINIMA		THR elev. 85	AD elev. 89	
CAT			CIRCLING	
	MDA(H)	RVR/CMV	MDA(H)	VIS
A	700(611)	1000	700(611)	1600
B		1200		
C				2400
D				

RJCJ AD 2.23 ADDITIONAL INFORMATION

Nil

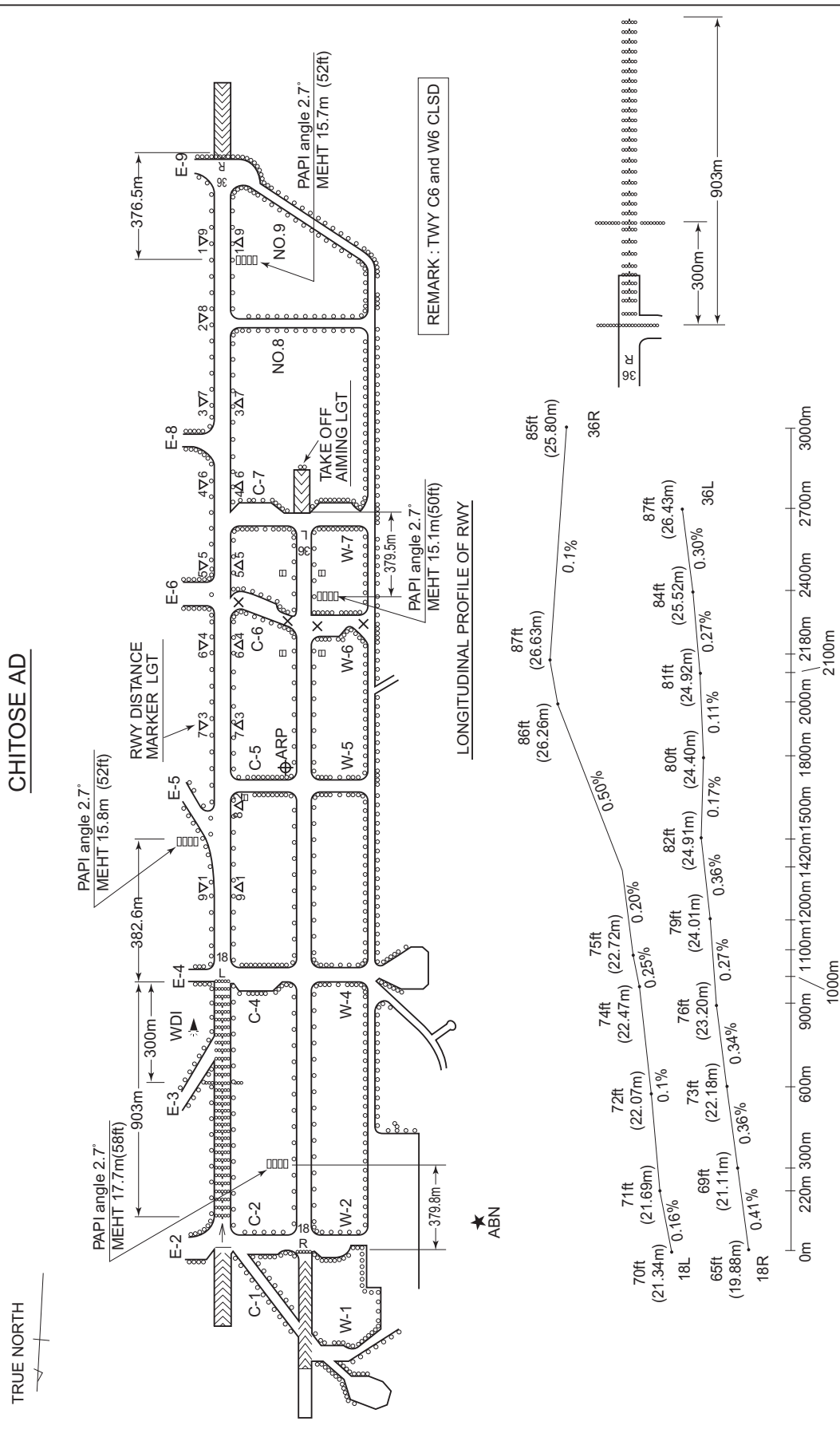
RJCJ AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome/Heliport Chart
Standard Departure Chart - Instrument (TOKACHI)*
Standard Departure Chart - Instrument (TOBBY)*
Standard Departure Chart - Instrument (TEKKO)*
Standard Departure Chart - Instrument (HAKODATE)*
Standard Departure Chart - Instrument (CHITOSE-REVERSAL)*
Standard Departure Chart - Instrument (CHITOSE)*
Standard Departure Chart - Instrument (MUKAWA)*
Standard Departure Chart - Instrument (KURIS)*
Standard Departure Chart - Instrument (SAVIT)*
Standard Departure Chart - Instrument (TRANSITION)
Standard Arrival Chart - Instrument (KOMAI)*
Standard Arrival Chart - Instrument (WAKSA-RNAV)
Instrument Approach Chart (VOR/DME NR1 RWY18L)*
Instrument Approach Chart (VOR/DME NR2 RWY18L)*
Instrument Approach Chart (VOR NR1 RWY36R)*
Instrument Approach Chart (VOR NR2 RWY36R)*
Instrument Approach Chart (ILS RWY36R)*
Instrument Approach Chart (TACAN NR1 ILS RWY36R)*
Instrument Approach Chart (TACAN NR5 ILS RWY36R)*
Instrument Approach Chart (TACAN NR1 RWY36R)*
Instrument Approach Chart (TACAN NR3 RWY18L)*
Instrument Approach Chart (TACAN NR4 RWY18L)*
Instrument Approach Chart (TACAN NR5 RWY36R)*

*: Designed in accordance with provisional standards for FLIGHT PROCEDURE DESIGN.

AD CHART

CHITOSE AD



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STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

SID

TOKACHI ONE DEPARTURE

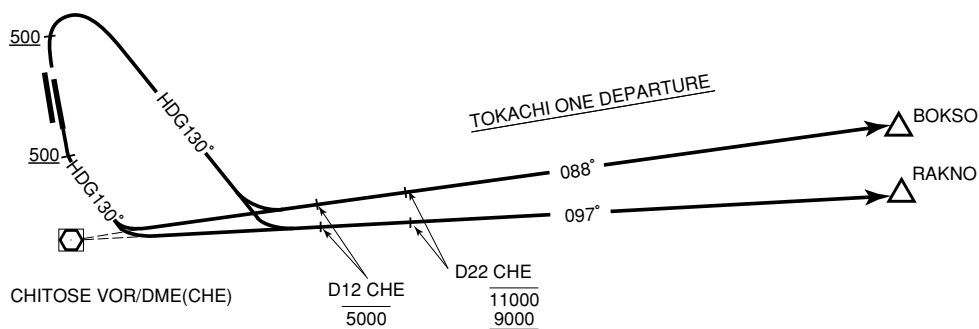
RWY 36R/36L : Climb via RWY HDG to 500ft or above, turn right climb via HDG 130 DEG to intercept and proceed via....

RWY 18R/18L : Climb via RWY HDG to 500ft or above, turn left climb via HDG 130 DEG to intercept and proceed via....

...CHE R-088 to BOKSO or CHE R-097 to RAKNO.

Cross CHE R-088/12DME or CHE R-097/12DME at or below 5,000ft.

Cross CHE R-088/22DME or CHE R-097/22DME between 9,000ft and 11,000ft.



STANDARD DEPARTURE CHART-INSTRUMENT

RJ CJ / CHITOSE

SID

TOBBY SEVEN DEPARTURE

RWY 36R/36L : Climb via RWY HDG to 500ft or above, turn right 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-329) 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 18R/18L : 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.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

SID

TEKKO NINE DEPARTURE

RWY 36R/36L : Climb via RWY HDG to 500ft or above, turn right to CHE VOR/DME within CHE 10DME (5NM FM RWY end).

Cross 4DME prior to CHE VOR/DME (MKE R-329) at or above 3,000ft....

RWY 18R/18L : Climb direct to CHE VOR/DME....

....Turn right via CHE R-256 to TEKKO.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

SID

HAKODATE FOUR DEPARTURE

RWY 36R/36L : Climb via RWY HDG to 500ft or above, turn right to CHE VOR/DME within CHE 10DME (5NM FM RWY end).

Cross 4DME prior to CHE VOR/DME (MKE R-329) at or above 3,000ft....

RWY 18R/18L : Climb direct to CHE VOR/DME....

....then via CHE R-224 to HWE VOR/DME.

HAKODATE FOUR DEPARTURE

STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

SID

CHITOSE REVERSAL TWO DEPARTURE

RWY 36R/36L : Climb via ZYT R-360, turn right to intercept and proceed via ZYT R-030 to ZYT TACAN within ZYT 25DME.

Cross ZYT R-360 / 15DME at or above 10,000 ft.

Cross ZYT R-030 / 5DME at specified altitude.

RWY 18R/18L : Climb via RWY HDG to 500 ft or above, turn left climb via ZYT R-090 within ZYT 10DME, turn left to intercept and proceed via ZYT R-060 to ZYT TACAN within ZYT 30DME.

Cross ZYT R-090 / 15DME at or below 11,000 ft.

Cross ZYT R-060 / 5DME at specified altitude.

Note : When take off RWY36L, following climb gradient should be maintained until passing 200ft.

Speed (Knots)	60	120	180	240	300	360
Rate (Feet/Min)	190	380	570	760	950	1140

CHITOSE REVERSAL TWO DEPARTURE

STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

SID

CHITOSE THREE DEPARTURE

RWY 36R/36L : Climb via RWY HDG to 500ft or above, turn right to CHE VOR/DME (ZYT TACAN) within CHE 10DME (ZYT 6DME/5NM FM RWY end).

Cross 4DME prior to CHE VOR/DME (ZYT TACAN/MKE R-329) at or above 3,000ft.

RWY 18R/18L : Climb direct to CHE VOR/DME (ZYT TACAN).

Note : When take off RWY36L (in case of using ZYT TACAN only), following climb gradient should be maintained until passing 200ft.

Speed (Knots)	60	120	180	240	300	360
Rate (Feet/Min)	190	380	570	760	950	1140



STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

SID

MUKAWA FIVE DEPARTURE

RWY 36R/36L: Climb via RWY HDG to 500ft or above, turn right within 4NM, climb via MKE R-336 to MKE VOR/DME, then via MKE R-202 to TOBBY.

Cross MKE R-336/12DME at or above 3,000ft.

Cross MKE VOR/DME at or below 11,000ft.

RWY 18R/18L: Climb via RWY HDG to 500ft or above, turn left, climb via MKE R-321 to MKE VOR/DME, then via MKE R-202 to TOBBY.

Cross MKE R-321/10DME at or above 3,000ft.

Corss MKE VOR/DME at or below 11,000ft.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

SID

KURIS FOUR DEPARTURE

RWY 36R/36L:

RWY 18R/18L: Climb via RWY HDG to 500ft or above, turn left within
4NM,...

....climb via CHE R-011 to KURIS.



STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

SID

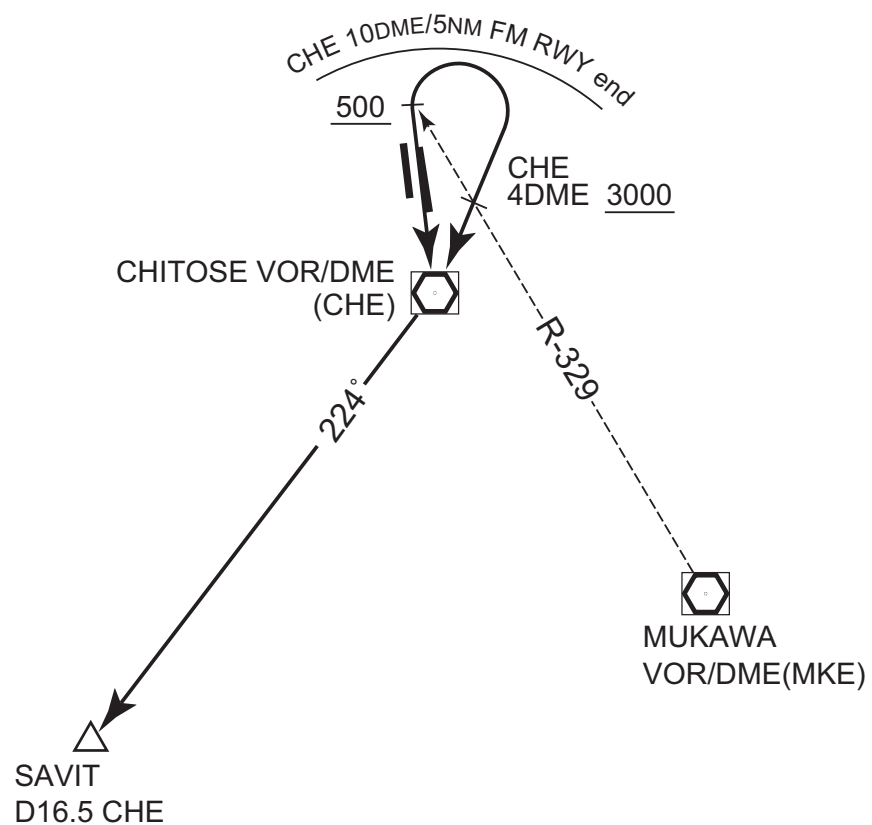
SAVIT ONE DEPARTURE

RWY 36R/36L : Climb via RWY HDG to 500ft or above, turn right to CHE VOR/DME within CHE 10DME (5NM FM RWY end).

Cross 4DME prior to CHE VOR/DME (MKE R-329) at or above 3,000ft....

RWY 18R/18L : Climb direct to CHE VOR/DME....

....then via CHE R-224 to SAVIT.

SAVIT ONE DEPARTURE

STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

RNAV TRANSITION

**PANSY TRANSITION**

From TOBBY, to NOHEY at or above FL250, to APIOS, to PANSY.

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	TOBBY	—	—	-9.5	—	—	—	—	—	RNAV1
002	TF	NOHEY	—	228 (218.1)	-9.5	23.5	—	+FL250	—	—	RNAV1
003	TF	APIOS	—	202 (192.0)	-9.5	33.7	—	—	—	—	RNAV1
004	TF	PANSY	—	188 (178.4)	-9.5	63.5	—	—	—	—	RNAV1

BUTOS TRANSITION

From TOBBY, to NOHEY at or above FL250, to APIOS, to PANSY, to BUTOS.

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	TOBBY	—	—	-9.5	—	—	—	—	—	RNAV1
002	TF	NOHEY	—	228 (218.1)	-9.5	23.5	—	+FL250	—	—	RNAV1
003	TF	APIOS	—	202 (192.0)	-9.5	33.7	—	—	—	—	RNAV1
004	TF	PANSY	—	188 (178.4)	-9.5	63.5	—	—	—	—	RNAV1
005	TF	BUTOS	—	182 (172.2)	-9.5	34.6	—	—	—	—	RNAV1

STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

RNAV TRANSITION



STANDARD DEPARTURE CHART-INSTRUMENT

RJCJ / CHITOSE

RNAV TRANSITION

FUNKA TRANSITION			RNAV1
Note 1) DME/DME/IRU or GNSS required. 2) RADAR service required.	Critical DME	MRE : 12.0NM to FUNKA - FUNKA	
	DME GAP	-	
	Inappropriate Nav aids	See AD1.1.6.10.3. Inappropriate NAVAIDS for RNAV1	

VAR 10° W(2019)

TACAN
CHITOSE
990 ZYT
CH-29X
42°45'52"N/141°40'25"E

VOR/DME
CHITOSE
116.9 CHE
CH-116X
42°42'00"N/141°41'10"E
100FT

FUNKA TRANSITION

From TEKKO, to FUNKA, to DALBI.

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	TEKKO	-	-	-9.5	-	-	-	-	-	RNAV1
002	TF	FUNKA	-	256 (246.0)	-9.5	22.3	-	-	-	-	RNAV1
003	TF	DALBI	-	205 (195.6)	-9.5	16.8	-	-	-	-	RNAV1

STANDARD ARRIVAL CHART-INSTRUMENT

RJCJ / CHITOSE

STAR

STARs for RWY36

KOMAI WEST ARRIVAL

From over NAVER, via CHE R-201 to intercept and proceed via MKE R-241 to KOMAI.

KOMAI EAST ARRIVAL

From over MKE VOR/DME, via MKE R-180 to MKE R-180/8DME, turn right, proceed via HDG 270 DEG to intercept MKE R-221, then turn right to intercept CHE R-181 to KOMAI.



STANDARD ARRIVAL CHART-INSTRUMENT

RJCJ / CHITOSE

RNAV STAR RWY18L

WAKSA ALFA ARRIVAL
WAKSA BRAVO ARRIVAL

RNAV 1

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

VAR 9° W(2016)



STANDARD ARRIVAL CHART-INSTRUMENT

RJCJ / CHITOSE

RNAV STAR RWY18L

WAKSA ALFA ARRIVAL

From NAVER, to FUJIM at or above 13000FT, to MKE, to C9R52 at or above 12000FT, to C9R53, to C9R54 at or below 7000FT, to C9R55 at or above 5000FT, to WAKSA at or above 3000FT.

Critical DME	SPE: C9R55 - WAKSA MKE: 10.0NM to MKE - 3.0NM to MKE 10.0NM to C9R52 - 8.0NM to C9R52
DME GAP	3.0NM to MKE - 10.0NM to C9R52
Inappropriate Nav aids	See AD1.1.6.10.3. Inappropriate NAVAIDS for RNAV1

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	NAVER	—	—	-9.3	—	—	—	—	—	RNAV1
002	TF	FUJIM	—	046 (036.6)	-9.3	20.8	—	+13000	—	—	RNAV1
003	TF	MKE	—	046 (036.8)	-9.3	11.2	—	—	—	—	RNAV1
004	TF	C9R52	—	360 (350.9)	-9.3	13.0	—	+12000	—	—	RNAV1
005	TF	C9R53	—	360 (350.9)	-9.3	7.8	—	—	—	—	RNAV1
006	TF	C9R54	—	360 (350.9)	-9.3	4.2	—	-7000	—	—	RNAV1
007	TF	C9R55	—	360 (350.9)	-9.3	8.7	—	+5000	—	—	RNAV1
008	TF	WAKSA	—	240 (230.8)	-9.3	11.2	—	+3000	—	—	RNAV1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	MUKAWA (MKE)	360 (350.9)	-9.3	1.0(-14000) 1.5(+14001)	R	4000	—	-230(-14000) -240(+14001)	RNAV1

STANDARD ARRIVAL CHART-INSTRUMENT

RJCJ / CHITOSE

RNAV STAR RWY18L

WAKSA BRAVO ARRIVAL

From CHE, to C9R53, to C9R54 at or below 7000FT, to C9R55 at or above 5000FT, to WAKSA at or above 3000FT.

Critical DME	SPE: C9R55 - WAKSA
DME GAP	CHE - 11.0NM to C9R53
Inappropriate Nav aids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	CHE	—	—	-9.3	—	—	—	—	—	RNAV1
002	TF	C9R53	—	045 (035.8)	-9.3	14.6	—	—	—	—	RNAV1
003	TF	C9R54	—	360 (350.9)	-9.3	4.2	—	-7000	—	—	RNAV1
004	TF	C9R55	—	360 (350.9)	-9.3	8.7	—	+5000	—	—	RNAV1
005	TF	WAKSA	—	240 (230.8)	-9.3	11.2	—	+3000	—	—	RNAV1

RJCJ / CHITOSE

VOR/DME NR.1 RWY 18L

The map displays the North Atlantic Ocean with a 20nm radius circle centered on the ship's location. The flight path of the USS Thetis (SSN-593) is marked with a solid line and arrows, showing a loop around the ship's position. The path starts at the top, loops around the ship, and ends at the bottom. The ship's position is marked with a square and the number 593. The map includes various navigational aids, depth soundings, and terrain features. The flight path is marked with a solid line and arrows, showing a loop around the ship's position. The map also includes a compass rose and a scale bar.

Map Labels and Features:

- Top Left:** MNM SECT ALT 270° - 360° 6400 25nm
- Top Center:** CHE 25DME
- Top Right:** MNM SECT ALT 360° - 090° 5400 25nm
- Left Side:** VAR 9°W (2014)
- Center:** CHE 12DME, CHE 6.2DME, 319, 351, 340, 579, 680, 454, 4337, 4039, 4882, 3642, 4793, 4245, 1680, 2031, 1243, 827, 965, 1093, 1017, 1598, 5735, 5472, 2595, 2871
- Bottom Left:** MNM SECT ALT 180° - 270° 6400 25nm
- Bottom Center:** 360°
- Bottom Right:** MNM SECT ALT 090° - 180° 5400 25nm

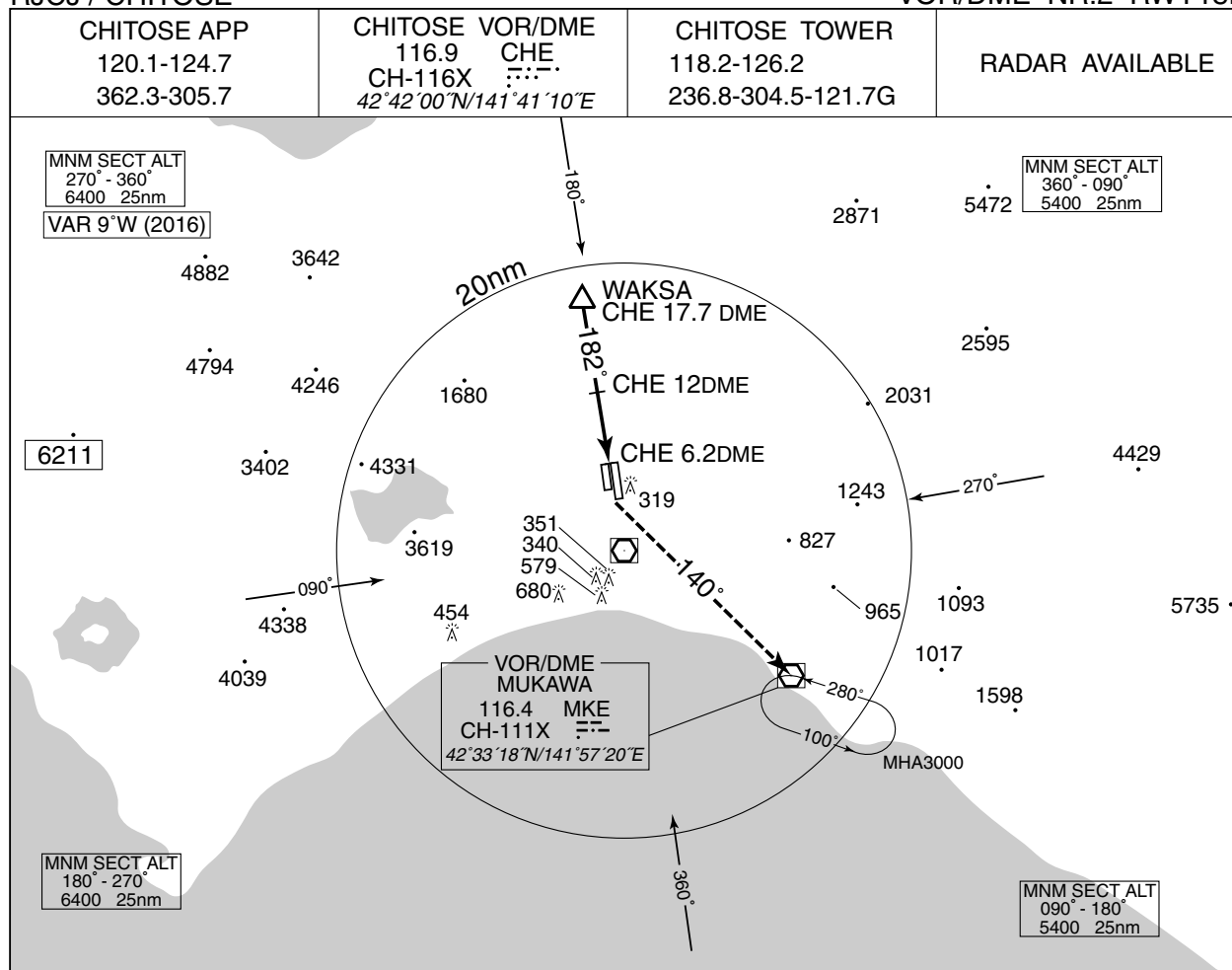
Diagram illustrating a missed approach procedure for a Category A aircraft. The procedure starts at a 4000 ft altitude, turns 022 degrees, and then turns 182 degrees to descend to 3000 ft. The procedure is labeled "CHE 12DME" and "CHE 6.2DME". The diagram also shows "FL140 7000" and "Left turn".

MINIMA		THR elev. 70	AD elev. 89	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	560 (490)	1000	620 (531)	1600
B		1200		
C				2400
D		1600	640 (551)	3200

INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

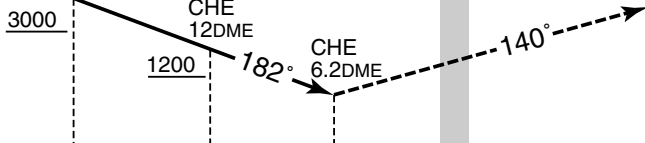
VOR/DME NR.2 RWY18L

WAKSA
CHE 17.7 DME

CHE

MISSED APPROACH

At 6.2DME prior to CHE VOR/
DME, turn left climb via MKE R-
320 to 5000' proceed to MKE
VOR/DME and hold.
Contact CHITOSE APP.



MINIMA		THR elev. 70	AD elev. 89	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	560 (490)	1000	620 (531)	1600
B		1200		2400
C				
D		1600	640 (551)	3200

RJCJ / CHITOSE

VOR NR.1 RWY 36R

The map displays several key elements:

- MNM SECT ALT** boxes indicating altitude ranges and distances:
 - Top Left: 270° - 360°, 6400 25nm
 - Top Right: 360° - 090°, 5400 25nm
 - Bottom Left: 180° - 270°, 6400 25nm
 - Bottom Right: 090° - 180°, 5400 25nm
- VAR 9°W (2014)**: Magnetic variation information.
- 6211**: A specific identifier or code.
- CHE to MAP 001° / 4.6nm**: Distance from CHE to the map center.
- Flight Paths**: Indicated by arrows and labels such as 001°, 161°, 001°, 135°, 270°, 180°, 090°.
- Radar Returns**: Labeled with numbers like 117, 231, 211, 340, 351, 680, 579, 173, 1243, 827, 965, 1093, 1017, 1598, 2031, 2595, 5472, 5666, 4429, 5735, 1093, 1017, 1598, 2031, 2595, 5472, 5666, 4429, 5735.
- Distance Markers**: 20nm, 25nm of CHE.

CHE

FL140
7000

Remain within 25nm of CHE
right turn start at 6000'

161°

6000

001°

5000

1200

135°

MINIMA		THR elev. 85	AD elev. 89	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	620 (531)	1000	620 (531)	1600
B		1200		
C				2400
D		1600	640 (551)	3200

INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

VOR NR.2 RWY36R

**MISSED APPROACH**

At 4.6nm after passing CHE VOR,
turn right climb via MKE
R-335 to 5000', proceed to
MKE VOR/DME and hold.
Contact CHITOSE APP.

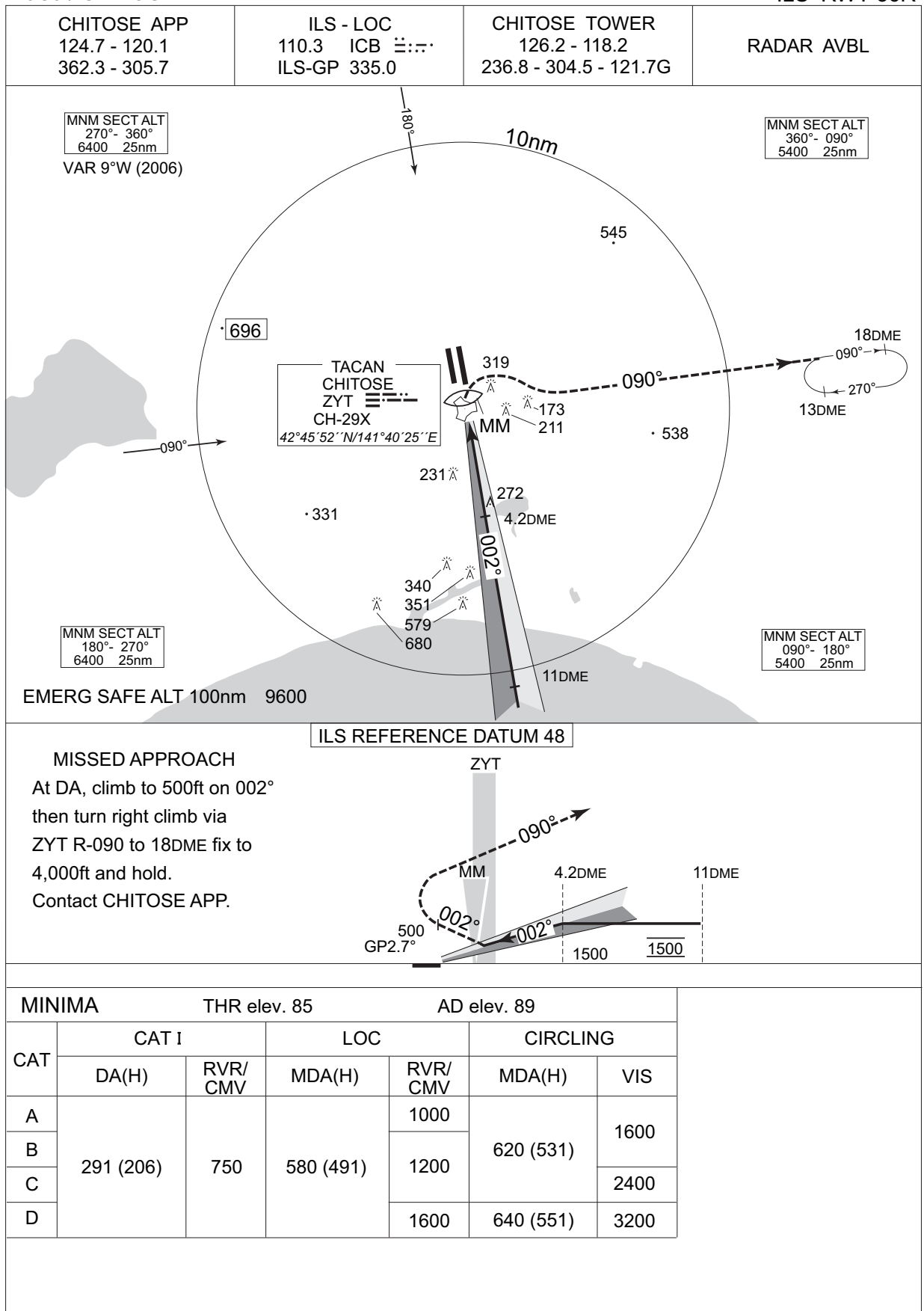


MINIMA		THR elev. 85	AD elev. 89	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	620 (531)	1000	620 (531)	1600
B		1200		2400
C				
D		1600	640 (551)	3200

INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

ILS RWY 36R



INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

TACAN NR.1 ILS RWY 36R



RJCJ / CHITOSE TACAN NR.5 ILS RWY 36R



INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

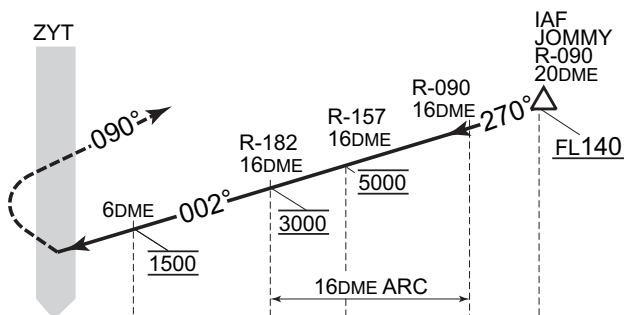
TACAN NR.1 RWY 36R

CHITOSE APP 124.7 - 120.1 362.3 - 305.7	CHITOSE TACAN CH-29 ZYT $\equiv \text{---} \text{---}$ 42°45'52"N/141°40'25"E	CHITOSE TOWER 126.2 - 118.2 236.8 - 304.5 - 121.7G	RADAR AVAILABLE
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MISSED APPROACH

At ZYT TACAN, turn right climb
via ZYT R-090 to 18DME fix to
4000ft and hold.
Contact CHITOSE APP.



MINIMA		THR elev. 85	AD elev. 89	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	600 (511)	1000	600 (511)	1600
B		1200		
C				1600
D		3200		

INSTRUMENT APPROACH CHART

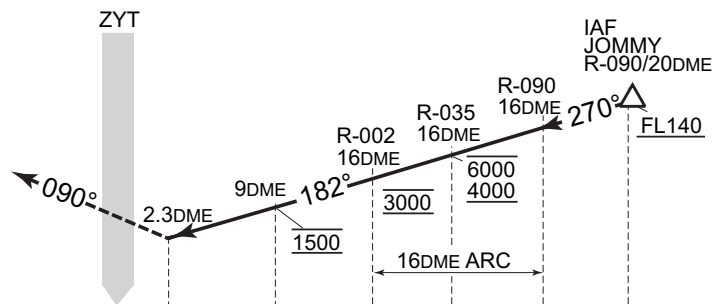
RJCJ / CHITOSE

TACAN NR.3 RWY 18L

CHITOSE APP 124.7 - 120.1 362.3 - 305.7	CHITOSE TACAN CH-29 ZYT 三三三 42°45'52"N/141°40'25"E	CHITOSE TOWER 126.2 - 118.2 236.8 - 304.5 - 121.7G	RADAR AVAILABLE
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MISSED APPROACH
At 2.3 DME prior to ZYT TACAN,
turn left climb via ZYT R-090 to
18DME fix to 4000ft and hold.
Contact CHITOSE APP.



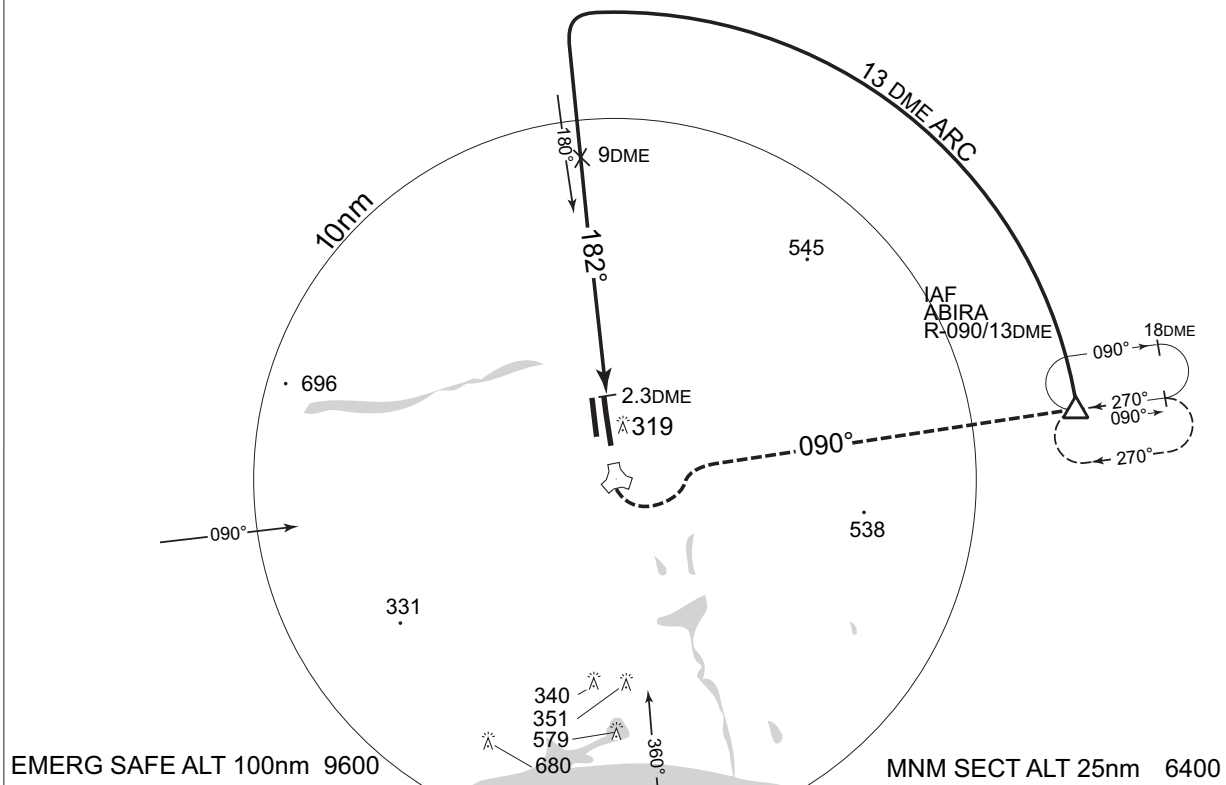
MINIMA		THR elev. 70	AD elev. 89	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	600 (530)	1000	600 (511)	1600
B				
C		1200		2400
D		1600		3200

INSTRUMENT APPROACH CHART

TACAN NR.4 RWY 18L

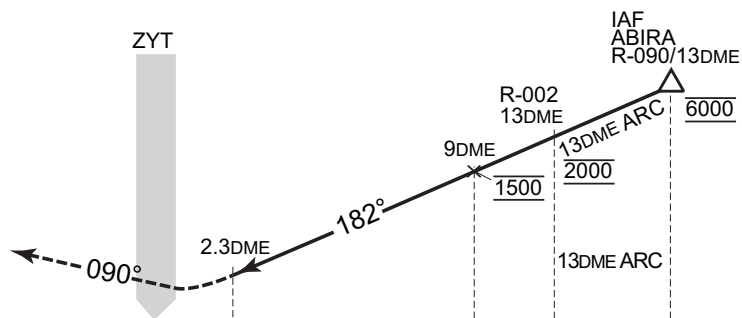
CHITOSE APP 124.7 - 120.1 362.3 - 305.7	CHITOSE TACAN CH-29 ZYT 三三三 42°45'52"N/141°40'25"E	CHITOSE TOWER 126.2 - 118.2 236.8 - 304.5 - 121.7G	RADAR AVAILABLE
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VAR 9°W (2006)



MISSED APPROACH

At 2.3DME prior to ZYT TACAN,
turn left climb via ZYT R-090
to 18DME fix to 4000ft and hold.
Contact CHITOSE APP.



MINIMA		THR elev. 70	AD elev. 89	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	600 (530)	1000	600 (511)	1600
B		1200		
C				2400
D				

INSTRUMENT APPROACH CHART

RJCJ / CHITOSE

TACAN NR.5 RWY 36R



INTENTIONALLY LEFT BLANK