AD 2 AERODROMES

RJTU AD 2.1 AERODROME LOCATION INDICATOR AND NAME

RJTU - UTSUNOMIYA

RJTU AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	*363052N/1395215E*
2	Direction and distance from (city)	3.3nm S
3	Elevation/ Reference temperature	334ft / -
4	Geoid undulation at AD ELEV PSN	Nil
5	MAG VAR/ Annual change	Nil
6	AD Administration, address, telephone, telefax, telex, AFS, e-mail and/or Web-site addresses	JSDF-G
7	Types of traffic permitted (IFR/ VFR)	IFR/VFR
8	Remarks	Nil

RJTU AD 2.3 OPERATIONAL HOURS

1	AD Administration	2330 - 0800 MON-FRI exc Hol Other time 1h PN
2	Customs and immigration	Nil
3	Health and sanitation	Nil
4	AIS Briefing Office	2330 - 0800 MON-FRI exc Hol Other time 1h PN
5	ATS Reporting Office(ARO)	Nil
6	MET Briefing Office	2200 - 0800 MON-FRI Other time on request
7	ATS	2330 - 0800 MON-FRI exc Hol Other time 1h PN
8	Fuelling	Nil
9	Handling	Nil
10	Security	Nil
11	De-icing	Nil
12	Remarks	Nil

RJTU AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	Nil
2	Fuel/ oil types	JP-4
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

RJTU 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

RJTU 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

RJTU AD 2.7 SEASONAL AVAILABILITY-CLEARING

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

RJTU 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	Not Available
4	VOR checkpoints	Nil
5	INS checkpoints	Nil
6	Remarks	Nil

RJTU 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:(01/19) (LGT) RTHL, TKOF aiming LGT TWY: (LGT) TWY edge LGT
3	Stop bars	Nil
4	Remarks	Nil

RJTU AD 2.10 AERODROME OBSTACLES

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

RJTU AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	UTSUNOMIYA
2	Hours of service MET Office outside hours	2200 - 0800 MON-FRI Other time on request
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	Ja, En
7	Charts and other information available for briefing or consultation	S, U
8	Supplementary equipment available for providing information	Nil
9	ATS units provided with information	Nil
10	Additional information(limitation of service, etc.)	Nil

RJTU 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
01 19	To be issued later	1700×45 1700×45	SW 12500kg (27500lbs) Concrete	Nil Nil	Nil Nil

Slope of RWY	Strip Dimensions (M)	Remarks
7	10	12
To be issued later	2000×300 2000×300	Several lighted OBST at 1.1nm NNW RWY 19THR. GCA touch down Point located 1312ft inside FM RWY01 end.

RJTU AD 2.13 DECLARED DISTANCES

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

RJTU 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
01		AVBL Nil	VASIS(*1)					
19		AVBL Nil	VASIS(*1)					
Remarks								
10								
(*1)VASIS nonstandard, Out of Service UFN.								

RJTU AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	ABN: *363034N/1395229E* ,White/Green EV10sec, HO
2	LDI location and LGT Anemometer location and LGT	LDI:LGTD
3	TWY edge and center line lighting	TWY edge LGT:AVBL
4	Secondary power supply/ switch-over time	Nil
5	Remarks	WDI LGT, OBST LGT

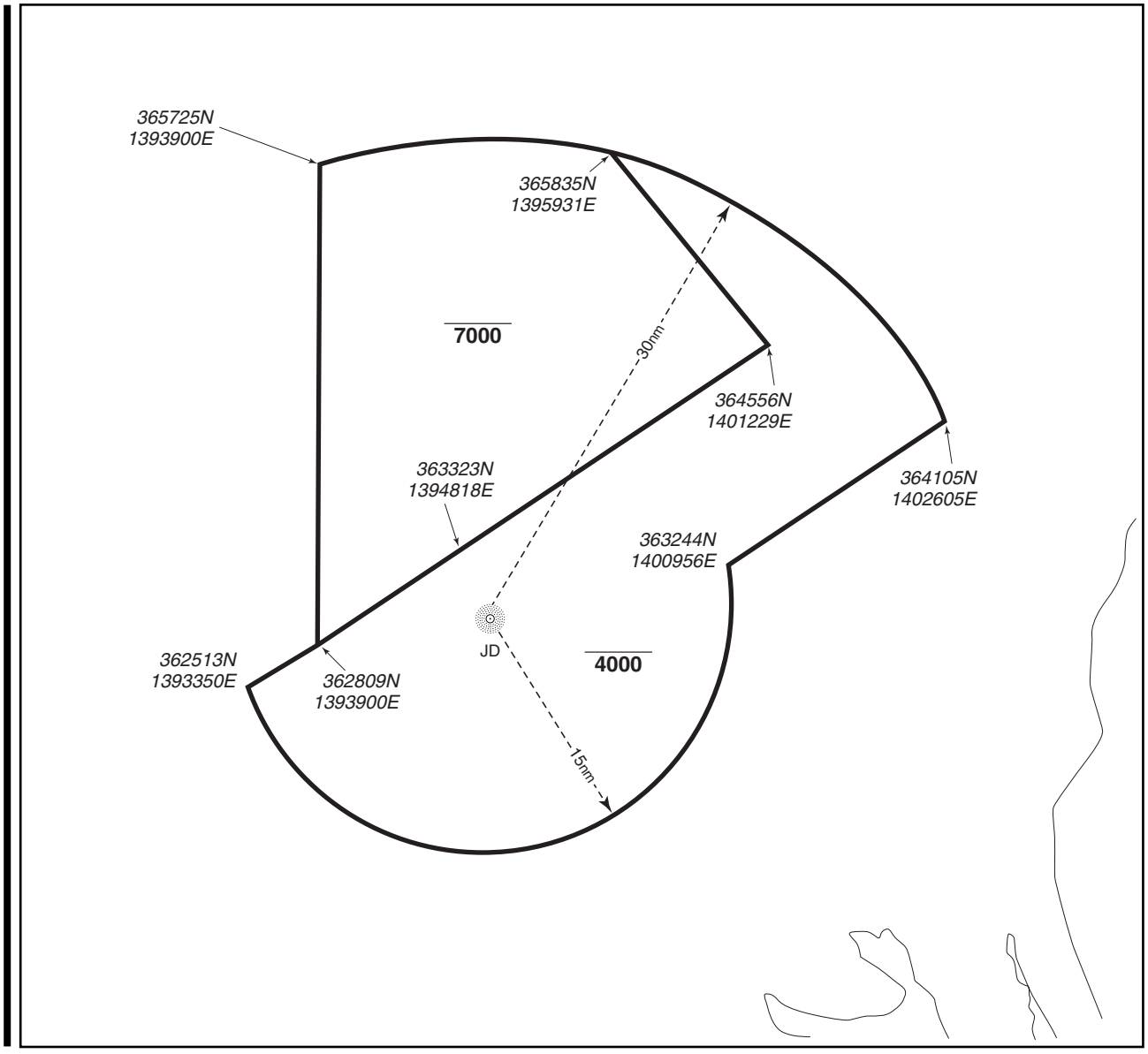
RJTU AD 2.16 HELICOPTER LANDING AREA

To be issued later

RJTU 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
UTSU-NOMIYA CTR	Area within a radius of 5nm of UTSUNOMIYA ARP(*36°31'N/139°52'E*).	4000 or below	D	UTSUNOMIYA TOWER	
UTSUNOMIYA ACA	SEE RJTU ATTACHED CHART		E	UTSUNOMIYA APP	

宇都宮進入管制区
Utsunomiya Approach Control Area



RJTU AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
APP	Utsunomiya Approach	362.3MHz 120.1MHz 122.45MHz 243.0MHz(E) 121.5MHz(E)	2330 - 0800(2) MON-FRI Other time 1HR PN	(1)For rescue only. (2)EXC HOL and 12/29 - 1/3.
TWR	Utsunomiya Tower	236.8MHz 126.2MHz 138.05MHz 140.3MHz 123.1MHz(1) 243.0MHz(E) 121.5MHz(E) 140.8MHz	2330 - 0800(2) MON-FRI Other time 1HR PN	
GCA-ASR -PAR	Utsunomiya Radar	335.6MHz 270.8MHz 125.3MHz 134.1MHz 122.15MHz 141.7MHz 140.8MHz 243.0MHz(E) 121.5MHz(E)	2330 - 0800(2) MON-FRI Other time 1HR PN	ASR RWY 01/19 PAR RWY 01 Glide path 2.5° Maintenance Period: 2300FRI-0300SAT in VMC.

RJTU 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
NDB	JD	389.0kHz	H24	362903N/1395159E		Unusable: 310°-335° beyond 30nm ELEV 406ft
TACAN	JDT	1145MHz (CH-58Y)	2300 - 0800 MON-FRI Other time on request	363101N/1395232E		TACAN Unusable R258°-272°beyond 30nm BLW 5000ft R312°-328°beyond 30nm BLW 11000ft R353°-358°beyond 35nm BLW 9000ft

RJTU 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

RJTU AD 2.21 NOISE ABATEMENT PROCEDURES

Nil

RJTU AD 2.22 FLIGHT PROCEDURES

1. TAKE OFF MINIMA

	RWY	REDL & RCLL AVBL		REDL or RCLL AVBL		REDL & RCLL OUT	
		CEIL-RVR	CEIL-VIS	CEIL-RVR	CEIL-VIS	CEIL-RVR	CEIL-VIS
TKOF ALTN AP FILED	01	-	-	-	200' - 800M	-	200' - 800M
	19						
OTHER	01	AVBL LDG MINIMA					
	19						

2. WX MINIMA CONCERNING PAR/ASR APCH PROCEDURE

PAR RWY01

MINIMA THR elev. 310 AD elev. 334				
CAT			CIRCLING	
	DA(H)	CMV	MDA(H)	VIS
A	523(213)	1000	800(466)	1600
B			800(546)	
C				2400
D	-	-	-	-

ASR RWY01

MINIMA THR elev. 310 AD elev. 334				
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	760(450)	1500	800(466)	1600
B			880(546)	
C		2000		2400
D	-	-	-	-

ASR RWY19

MINIMA THR elev. 340 AD elev. 334				
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	800(466)	1500	800(466)	1600
B			880(546)	
C		2000		2400
D	-	-	-	-

3. Lost Communication Procedures for Arrival Aircraft under Radar Navigational Guidance.

If radio communications with Utsunomiya Radar are lost for one minute in the pattern or five/fifteen seconds on final approach, squawk Mode A/3 Code 7600 and;

1) Contact Utsunomiya Tower.
2) If unable, proceed in accordance with visual flight rules.
3) If unable, execute instrument approach.

4. Automated RadarTerminal System(ARTS)

宇都宮進入管制区を航行する航空機は、管制機関の指示があった場合原則として自動高度通報機能を有する4096コードによる応答装置を作動させること。上記指示を受けた当該応答装置を有しない航空機は、管制機関に対しその旨を通報すること。

When instructed by ATC, aircraft flying in and out of Utsunomiya 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.

RJTU AD 2.23 ADDITIONAL INFORMATION

Nil

RJTU AD 2.24 CHARTS RELATED TO AN AERODROME

Standard Departure Chart-Instrument (KOGAR, NASU REVERSAL, NIKKO REVERSAL, MIKRA)
Standard Arrival Chart-Instrument (TOCHI)
Instrument Approach Chart (ADF A)
Instrument Approach Chart (TACAN NR1 RWY01)
Instrument Approach Chart (TACAN NR2 RWY01)

STANDARD DEPARTURE CHART -INSTRUMENT

RJTU / UTSUNOMIYA SID

CHANGE: PROC renamed(NASU REVERSAL SIX DEPARTURE). Radial FM GOT.

KOGAR THREE DEPARTURE

RWY 01 : Turn right (turn left, by JDT TACAN), ...
RWY 19 : Turn right, ...
... climb via 208˚ from JD NDB (JDT TACAN R207) to KOGAR.
Cross KOGAR at assigned altitude.

NOTE Following climb gradient should be maintained until passing 1000FT.

Speed (Knots)	60	90	120	150	180	210
Rate (Feet/Min)	300	450	600	750	900	1050

NASU REVERSAL SIX DEPARTURE

RWY 01 : Turn left, ...
RWY 19 : Turn right, ...
... climb via 360˚ from JD NDB then left procedure turn within 18NM of JD NDB (GOT R284 or JDT TACAN 17DME) to intercept and proceed via 180˚ to JD NDB.
Maintain 4000FT or below until GOT R260 (JDT TACAN 7DME), cross GOT R260 at assigned altitude.

NOTE Following climb gradient should be maintained until passing 2000FT.

Speed (Knots)	60	90	120	150	180	210
Rate (Feet/Min)	300	450	600	750	900	1050

RJTU / UTSUNOMIYA SID

NIKKO REVERSAL TWO DEPARTURE

RWY 01 : Turn right, ...

RWY 19 : Turn right (turn left, by JDT TACAN), ...
... climb via 030˚ from JD NDB (JDT TACAN R030) to 4000FT or above, turn right proceed to JD NDB within 20NM of JD NDB (JDT TACAN 20DME).
Cross JD NDB at assigned altitude.

NOTE Following climb gradient should be maintained until passing 1000FT.

Speed (Knots)	60	90	120	150	180	210
Rate (Feet/Min)	300	450	600	750	900	1050

MIKRA ONE DEPARTURE

RWY 01 : Turn left, ...

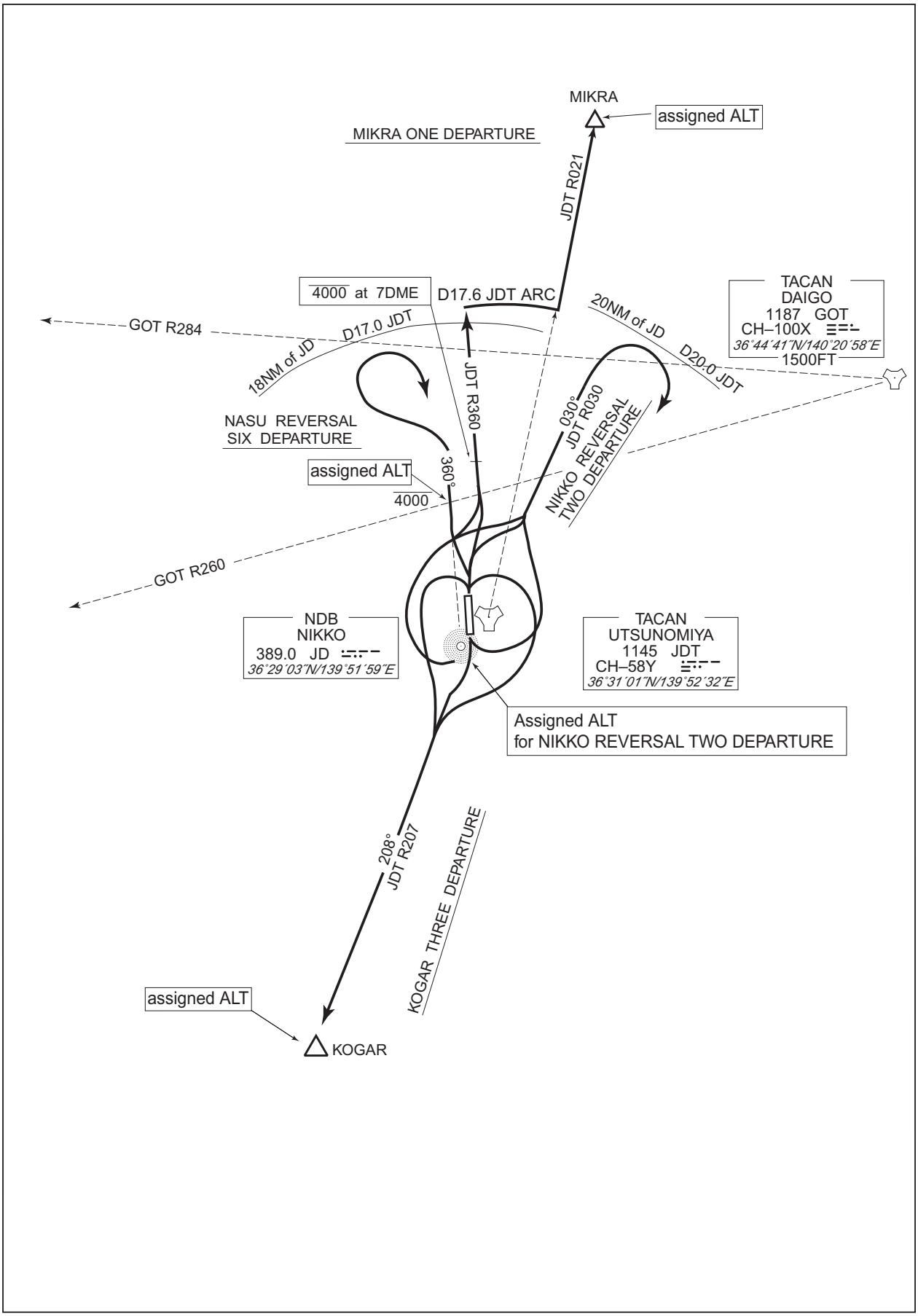
RWY 19 : Turn right, ...
... climb via JDT TACAN R360 to JDT TACAN 17.6DME, turn right via JDT TACAN 17.6DME clockwise ARC to intercept JDT TACAN R021, turn left proceed to MIKRA.
Maintain 4000FT or below until JDT TACAN 7DME, cross MIKRA at assigned altitude.

NOTE Following climb gradient should be maintained until passing 2000FT.

Speed (Knots)	60	90	120	150	180	210
Rate (Feet/Min)	300	450	600	750	900	1050

STANDARD DEPARTURE CHART -INSTRUMENT

RJTU / UTSUNOMIYA SID



CHANGE: PROC renamed(NASU REVERSAL SIX DEPARTURE). Radial FM GOT.

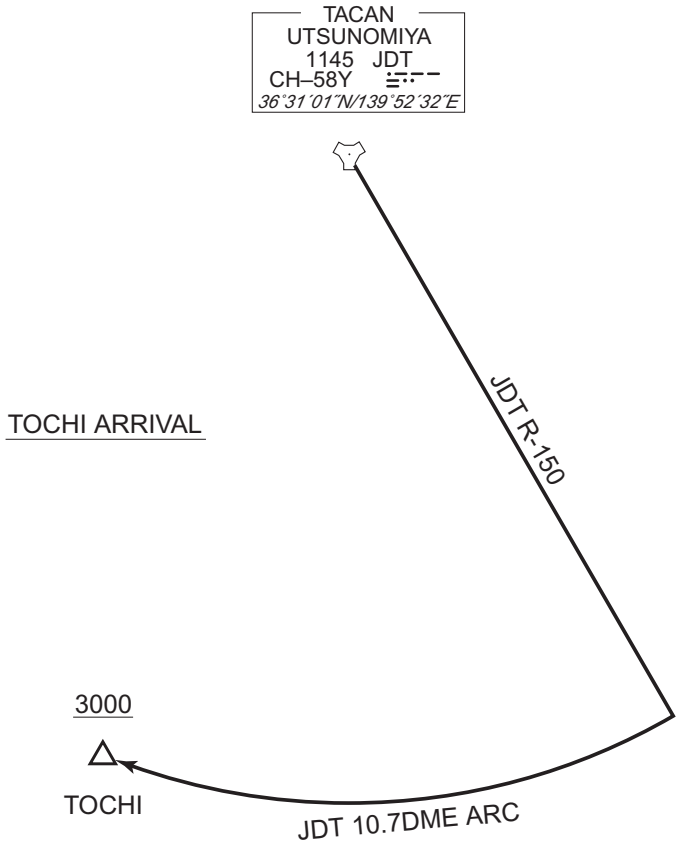
STANDARD ARRIVAL CHART-INSTRUMENT

RJTU / UTSUNOMIYA STAR

TOCHI ARRIVAL

From over JDT TACAN, proceed via JDT R-150 to JDT 10.7DME, turn right via JDT 10.7DME clockwise ARC to TOCHI.

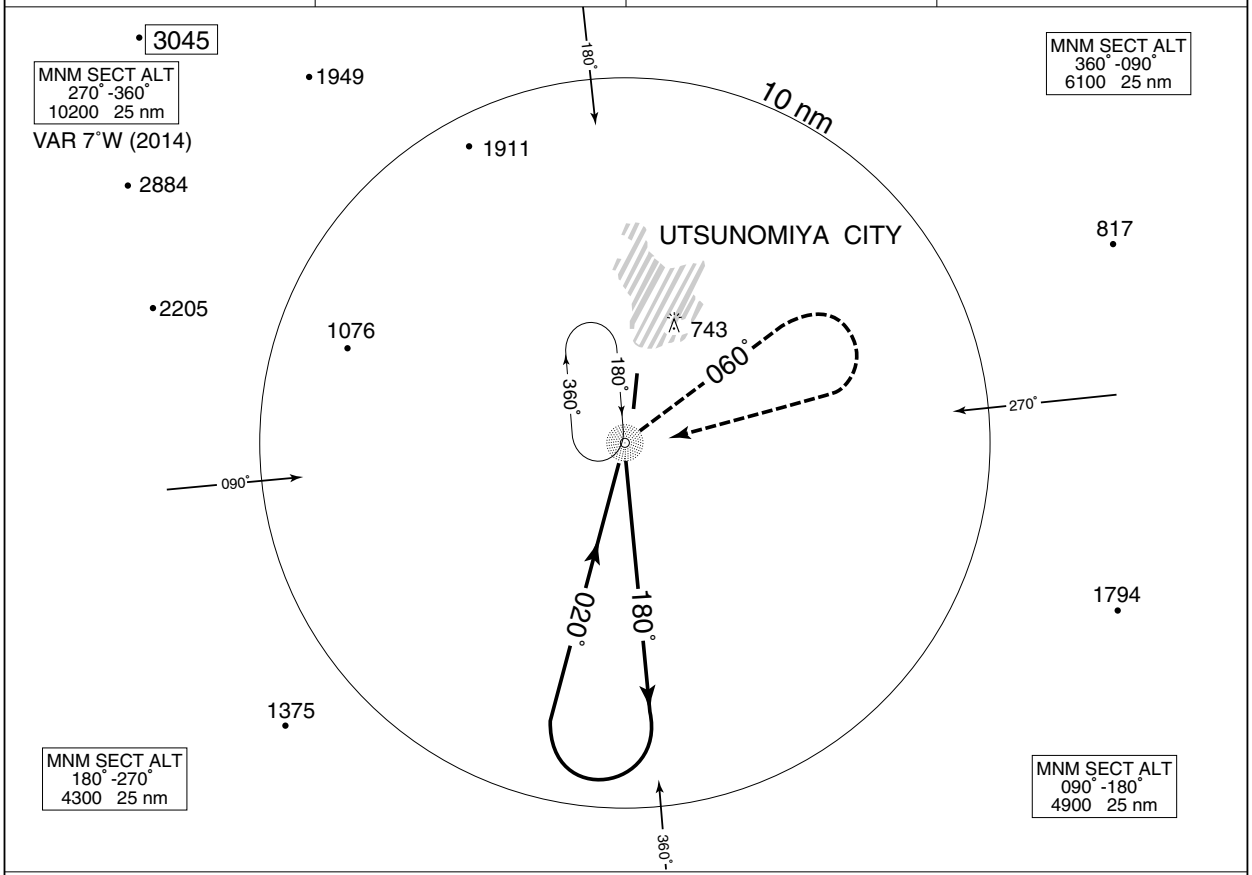
Cross TOCHI at or above 3000FT.



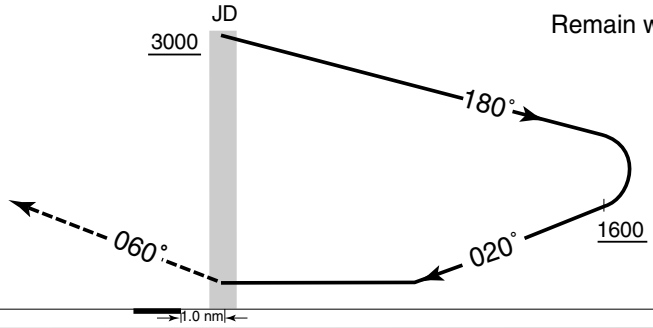
INSTRUMENT APPROACH CHART

RJTU / UTSUNOMIYA ADF A

UTSUNOMIYA APP	NIKKO NDB	UTSUNOMIYA TOWER	RADAR AVAILABLE CALL UTSUNOMIYA APP
362.3 - 120.1 - 122.45	389 JD	236.8 - 126.2 - 140.3	

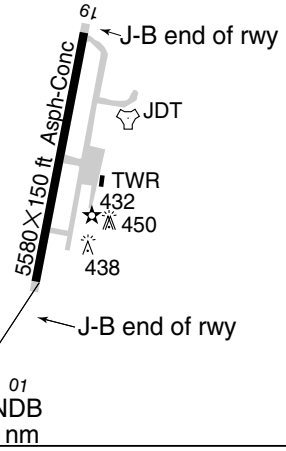


MISSED APPROACH
At NIKKO NDB, turn right climb via 060˚ from NIKKO NDB to 3000´, right turn to NIKKO NDB and hold.
Contact UTSUNOMIYA APP.



MINIMA AD elev. 334

CAT	CIRCLING	
	MDA(H)	VIS
A	840 (506)	1600
B	880 (546)	
C		2400
D	–	–

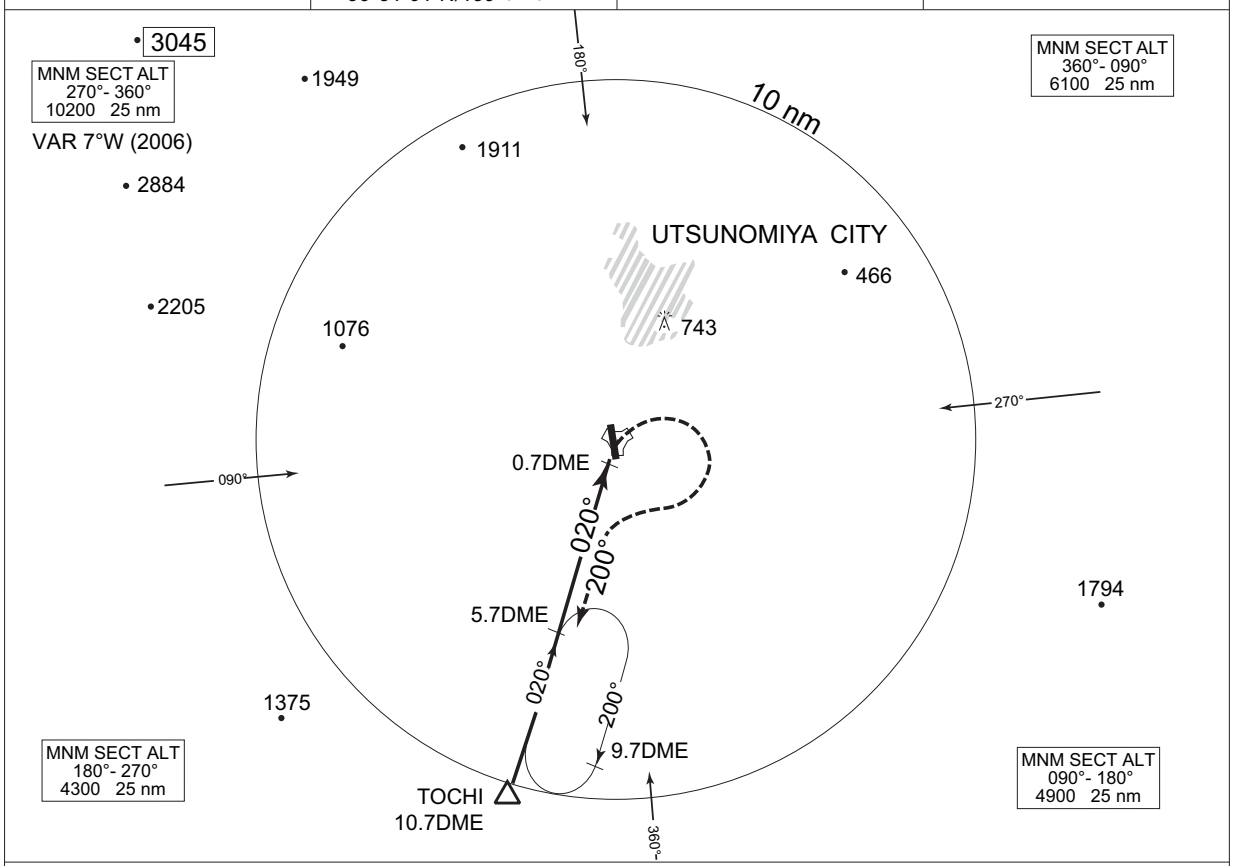


INSTRUMENT APPROACH CHART

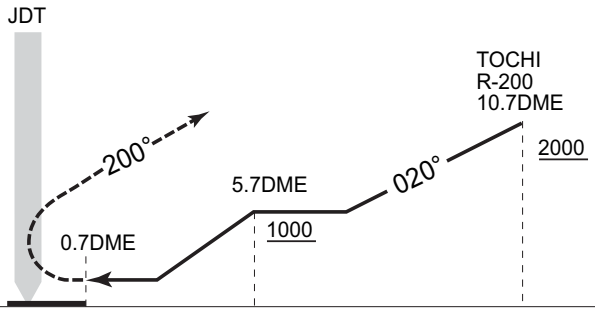
RJTU / UTSUNOMIYA

TACAN NR.1 RWY01

UTSUNOMIYA APP	UTSUNOMIYA TACAN	UTSUNOMIYA TOWER	RADAR AVBL
362.3 - 120.1 - 122.45	CH-58Y JDT *36°31′01″N/139°52′32″E*	236.8 - 126.2 - 140.3	CALL UTSUNOMIYA APP



MISSED APPROACH
At 0.7DME prior to JDT,
turn right climb via JDT
R-200 to 5.7DME FIX at
2000´ and hold.
Contact UTSUNOMIYA APP.



MINIMA THR elev. 310 AD elev. 334

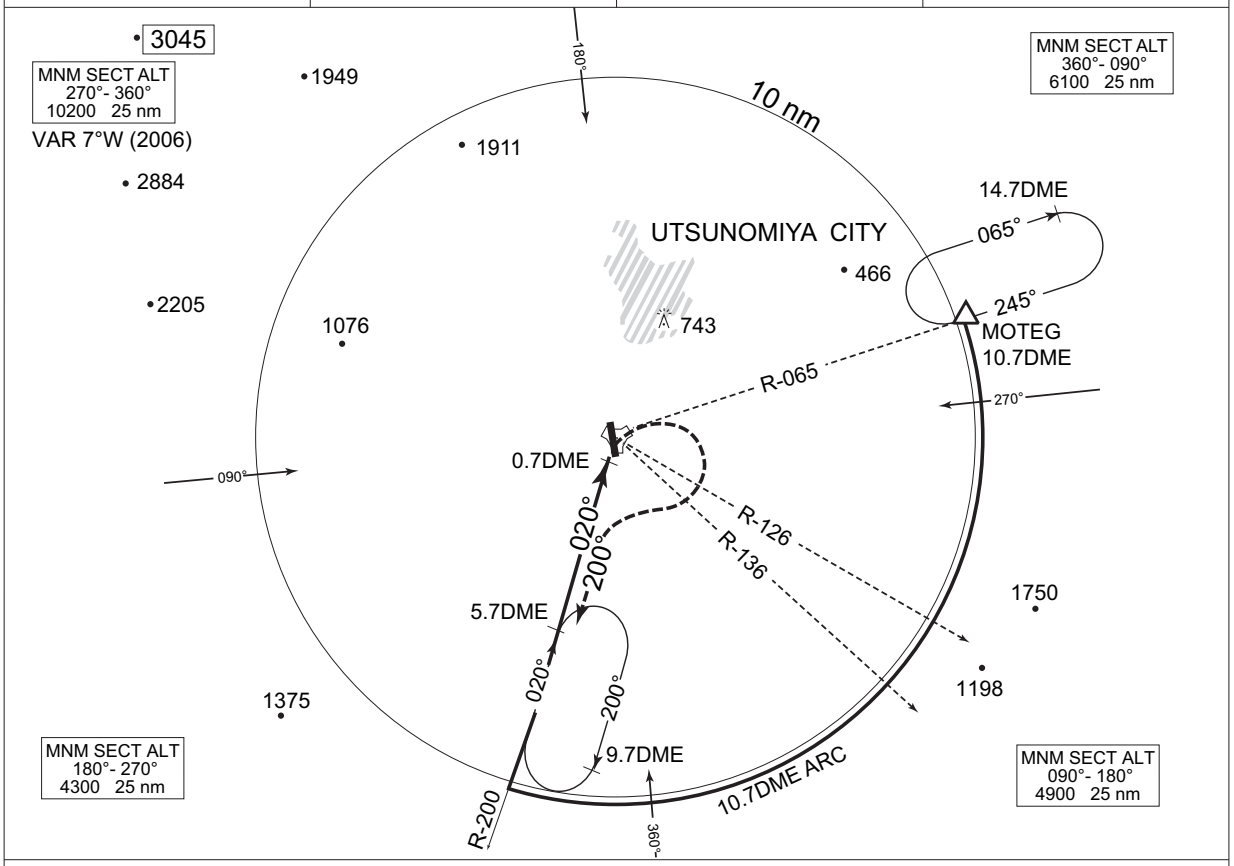
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	780 (470)	1500	800 (466)	1600
B			880 (546)	
C		2000		2400
D	–	–	–	–

INSTRUMENT APPROACH CHART

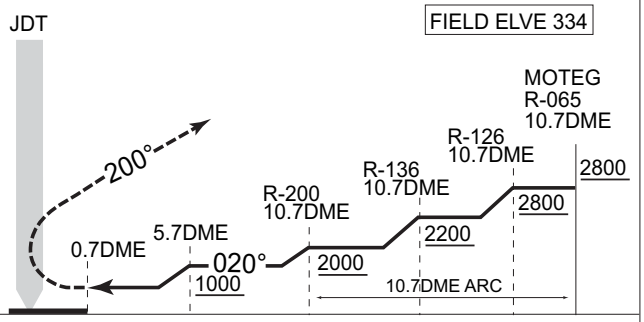
RJTU / UTSUNOMIYA

TACAN NR.2 RWY01

UTSUNOMIYA APP	UTSUNOMIYA TACAN	UTSUNOMIYA TOWER	RADAR AVBL
362.3 - 120.1 - 122.45	CH-58Y JDT *36°31′01″N/139°52′32″E*	236.8 - 126.2 - 140.3	CALL UTSUNOMIYA APP



MISSED APPROACH
At 0.7DME prior to JDT,
turn right climb via JDT
R-200 to 5.7DME FIX at
2000´ and hold.
Contact UTSUNOMIYA APP.



MINIMA THR elev. 310 AD elev. 334

CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	780 (470)	1500	800 (466)	1600
B			880 (546)	
C		2000		2400
D	–	–	–	–