AD 2 AERODROMES

RJOE AD 2.1 AERODROME LOCATION INDICATOR AND NAME

RJOE - AKENO

RJOE AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	*343202N/1364018E*
2	Direction and distance from (city)	3.2nm NW ISE
3	Elevation/ Reference temperature	20ft / -
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

RJOE AD 2.3 OPERATIONAL HOURS

1	AD Administration	2330-0800 MON-FRI,EXC HOL and 29 DEC - 3 JAN Other time 1HR PN
2	Customs and immigration	Nil
3	Health and sanitation	Nil
4	AIS Briefing Office	2330-0800 MON-FRI,EXC HOL and 29 DEC - 3 JAN Other time 1HR PN
5	ATS Reporting Office(ARO)	Nil
6	MET Briefing Office	2200-0800 MON-FRI,EXC HOL and 29 DEC - 3 JAN
7	ATS	2330-0800 MON-FRI,EXC HOL and 29 DEC - 3 JAN Other time 1HR PN
8	Fuelling	Nil
9	Handling	Nil
10	Security	Nil
11	De-icing	Nil
12	Remarks	Nil

RJOE AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	Nil
2	Fuel/ oil types	JET A-1
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

RJOE 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

RJOE 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

RJOE AD 2.7 SEASONAL AVAILABILITY-CLEARING

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

RJOE 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

RJOE 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: RWY13/31 (LGT) RTHL, REDL RWY: RWY 04/22 Nil TWY: (LGT) TWY edge LGT
3	Stop bars	Nil
4	Remarks	Nil

RJOE AD 2.10 AERODROME OBSTACLES

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

RJOE AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	AKENO
2	Hours of service MET Office outside hours	2200 - 0800 MON-FRI,EXC HOL and 29 DEC - 3 JAN 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

RJOE 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
13	To be	500×30	SW5000kg (11000lbs)	Nil	Nil
31	issued	500×30	Asphalt	Nil	Nil
	later				
04		500×30	Roll	Nil	Nil
22		500×30		Nil	Nil

Slope of RWY	Strip Dimensions(M)	Remarks
7	10	12
to be developed	700 × 300	
	700 × 300	
	620 × 75	
	620 × 75	

RJOE AD 2.13 DECLARED DISTANCES

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

RJOE 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
13 31 04 22								
Remarks								
10								

RJOE AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	ABN: *343156N/1363957E*, White/Green EV10sec, HO
2	LDI location and LGT Anemometer location and LGT	Nil
3	TWY edge and center line lighting	TWY edge LGT : AVBL
4	Secondary power supply/ switch-over time	Nil
5	Remarks	WDI LGT

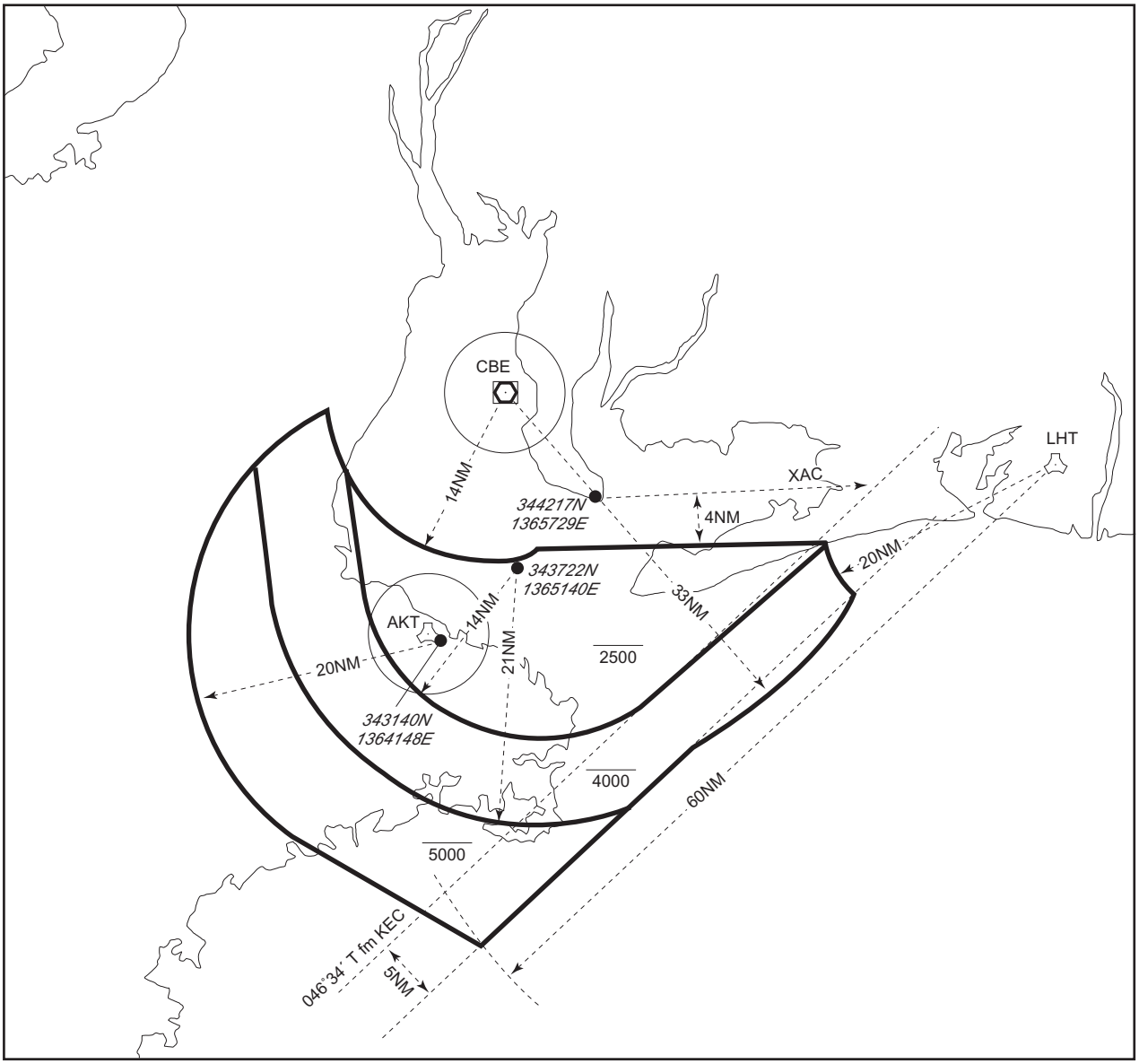
RJOE AD 2.16 HELICOPTER LANDING AREA

Nil

RJOE 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
AKENO CTR	Area within a radius of 5nm of AKENO ARP (*34°32'N/136°40'E*)	2500 or below	D	AKENO Tower	
AKENO ACA	SEE RJOE attached chart				

明野進入管制区
Akeno Approach Control Area



RJOE AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
APP	Akeno Approach Control or Radar	140.5MHz(1) 362.3MHz(1) 120.1MHz(1) 139.45MHz(2) 141.95MHz(2) 121.5MHz(E) 243.0MHz(E)	2330-0800(3) MON-FRI Other time 1HR PN	(1)Primary (2)Secondary (3)EXC HOL and 12/29 - 1/3
TWR	Akeno Tower	236.8MHz 126.2MHz 139.8MHz 138.05MHz 140.3MHz 121.5MHz(E) 243.0MHz(E)	2330-0800(3) MON-FRI Other time 1HR PN	
GCA-ASR -PAR	Akeno GCA	335.6MHz 270.8MHz 134.1MHz 141.7MHz 138.3MHz 122.0MHz 243.0MHz(E) 121.5MHz(E)	2330-0800(3) MON-FRI Other time 1HR PN	GP 3.0°. ASR for RWY 31 JSDF-G HEL only. ASR,PAR RWY13

RJOE 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
TACAN	AKT	1144MHz (CH-57Y)	2330 - 0800(1) MON-FRI Other time 1HR PN	*343142.7N/1364030.6E*		TACAN Unusable: R100-110 beyond 37NM BLW 3000ft. R110-120 beyond 35NM BLW 3000ft. R120-130 beyond 22NM BLW 4000ft. R130-140 beyond 17NM BLW 4000ft. R140-150 beyond 20NM BLW 4000ft. R150-160 beyond 22NM BLW 4000ft. R160-170 beyond 17NM BLW 4000ft. R170-180 beyond 13NM BLW 4000ft. R180-190 beyond 17NM BLW 4000ft. R190-200 beyond 23NM BLW 5000ft. R200-210 beyond 25NM BLW 5000ft. R210-220 beyond 28NM BLW 6000ft. R220-230 beyond 35NM BLW 8000ft. R270-290 beyond 35NM BLW 7000ft. R300-320 beyond 37NM BLW 5000ft.

RJOE 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

RJOE AD 2.21 NOISE ABATEMENT PROCEDURES

Nil

RJOE AD 2.22 FLIGHT PROCEDURES

1. TAKE OFF MINIMA

	RWY	ACFT CAT	REDL & RCLL		REDL or RCLL or RCL Marking		NIL (DAY TIME ONLY)	
			RVR	VIS	RVR	VIS	RVR	VIS
Multi-Engine ACFT with TKOF ALTN AP FILED	13	H	-	-	-	400m	-	500m
	31		-	-	-	400m	-	500m
OTHER	13	H	AVBL LDG MINIMA					
	31							

2. WX MINIMA CONCERNING PAR/ASR APCH PROCEDURE

ASR RWY 13				
MINIMA	THR ELEV:17		AD ELEV: 20	
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	500(480)	1500	600(580)	1600
B				
C	-	-	-	-
D				

ASR RWY 31				
MINIMA	THR ELEV:15		AD ELEV: 20	
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	500(480)	1500	600(580)	1600
B				
C	-	-	-	-
D				

PAR RWY 13				
MINIMA	THR ELEV:17		AD ELEV: 20	
CAT			CIRCLING	
	DA(H)	CMV	MDA(H)	VIS
A	270(253)	1200	600(580)	1600
B				
C	-	-	-	-
D				

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

If radio communications with Akeno Approach/Radar are lost for 1 minute, 15 seconds on surveillance final approach, or 5 seconds on PAR final approach, squawk Mode A/3 Code 7600 and;

(I) 1. Contact Akeno Radar /Tower.
2. If unable, proceed in accordance with Visual Flight Rules.
3. If unable, execute TACAN RWY13 or RWY31 approach.

4. Automated Radar Terminal System (ARTS)

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

明野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。

RJOE AD 2.23 ADDITIONAL INFORMATION

Nil

RJOE AD 2.24 CHARTS RELATED TO AN AERODROME

Standard Departure Chart-Instrument (KOWA)
Standard Departure Chart-Instrument (HISAI)
Standard Departure Chart-Instrument (AKENO REVERSAL)
Standard Arrival Chart-Instrument
Instrument Approach Chart (TACAN RWY13)
Instrument Approach Chart (TACAN RWY31)
Instrument Approach Chart (TACAN A)

STANDARD DEPARTURE CHART -INSTRUMENT

RJOE / AKENO SID

CHANGE : PROC course. PROC renamed(KOWA SEVEN DEPARTURE). NOTE added. ASAMA ONE DEPARTURE abolished.

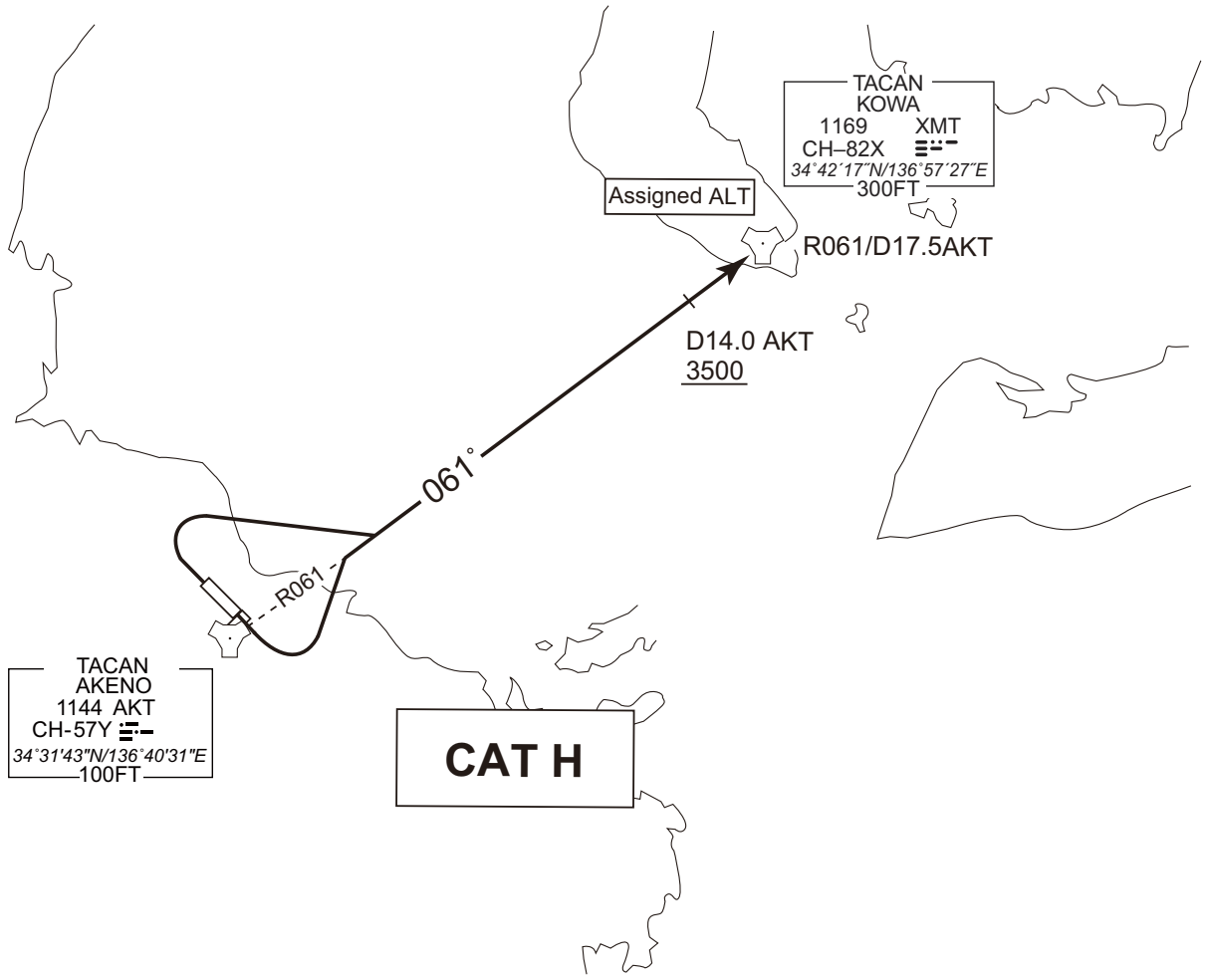
KOWA SEVEN DEPARTURE

RWY13 : Turn left,...

RWY31 : Turn right,...

...to intercept and proceed via AKT R061 to XMT TACAN.
Cross AKT R061/14.0DME at or above 3500FT, cross XMT TACAN at assigned altitude.

Note RWY13/31 : No turn before DER.



STANDARD DEPARTURE CHART -INSTRUMENT

RJOE / AKENO SID

HISAI TWO DEPARTURE

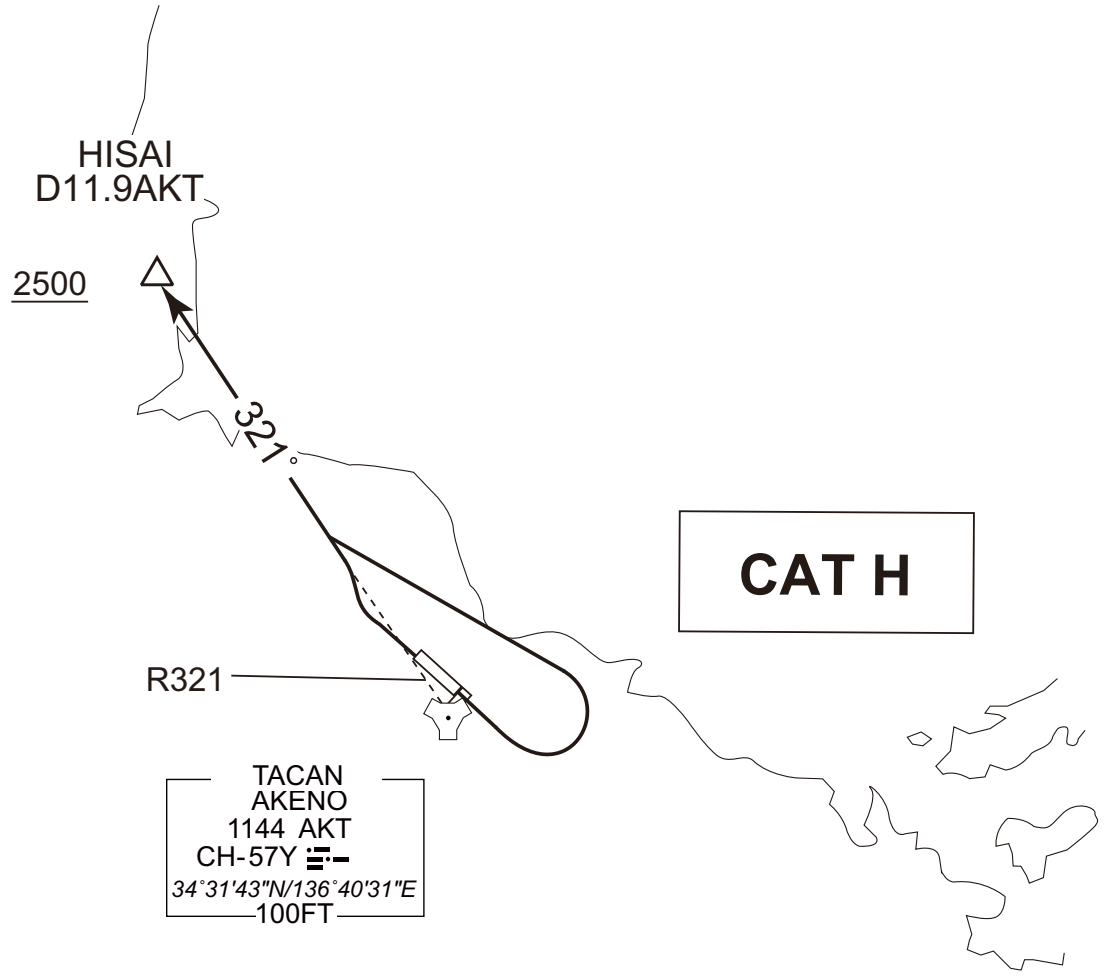
RWY13 : Turn left,...

RWY31 : Turn right,...

...to intercept and proceed via AKT R321 to HISAI.
Cross HISAI at or above 2500FT.

Note RWY13 : No turn before DER.
5.4% climb gradient required up to 400FT.
OBST ALT 159 FT located at 0.4NM 173° FM end of RWY13.

Note RWY31 : No turn before DER.



CHANGE : PROC course. PROC renamed(HISAI TWO DEPARTURE). NOTE.

STANDARD DEPARTURE CHART -INSTRUMENT

RJOE / AKENO SID and TRANSITION

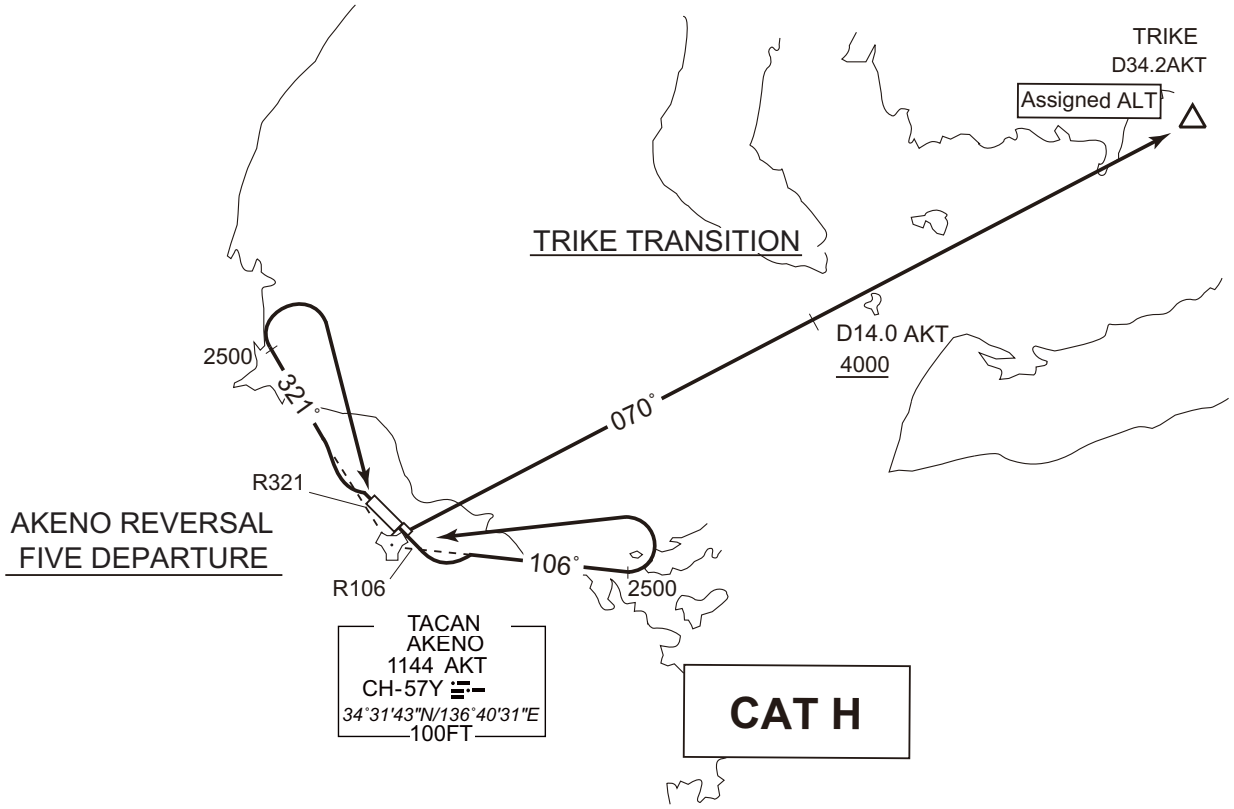
CHANGE : PROC course. PROC renamed(AKENO REVERSAL FIVE DEPARTURE). NOTE added(AKENO REVERSAL FIVE DEPARTURE).

AKENO REVERSAL FIVE DEPARTURE

RWY13 : Turn left, to intercept and proceed via AKT R106 to 2500FT, turn left,...
RWY31 : Turn right, to intercept and proceed via AKT R321 to 2500FT, turn right,...
...direct to AKT TACAN.
Note RWY13/31 : No turn before DER.

TRIKE TRANSITION

From over AKT TACAN, via AKT R070 to TRIKE.
Cross AKT R070/14.0DME at or above 4000FT, cross TRIKE at assigned altitude.



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STANDARD ARRIVAL CHART-INSTRUMENT

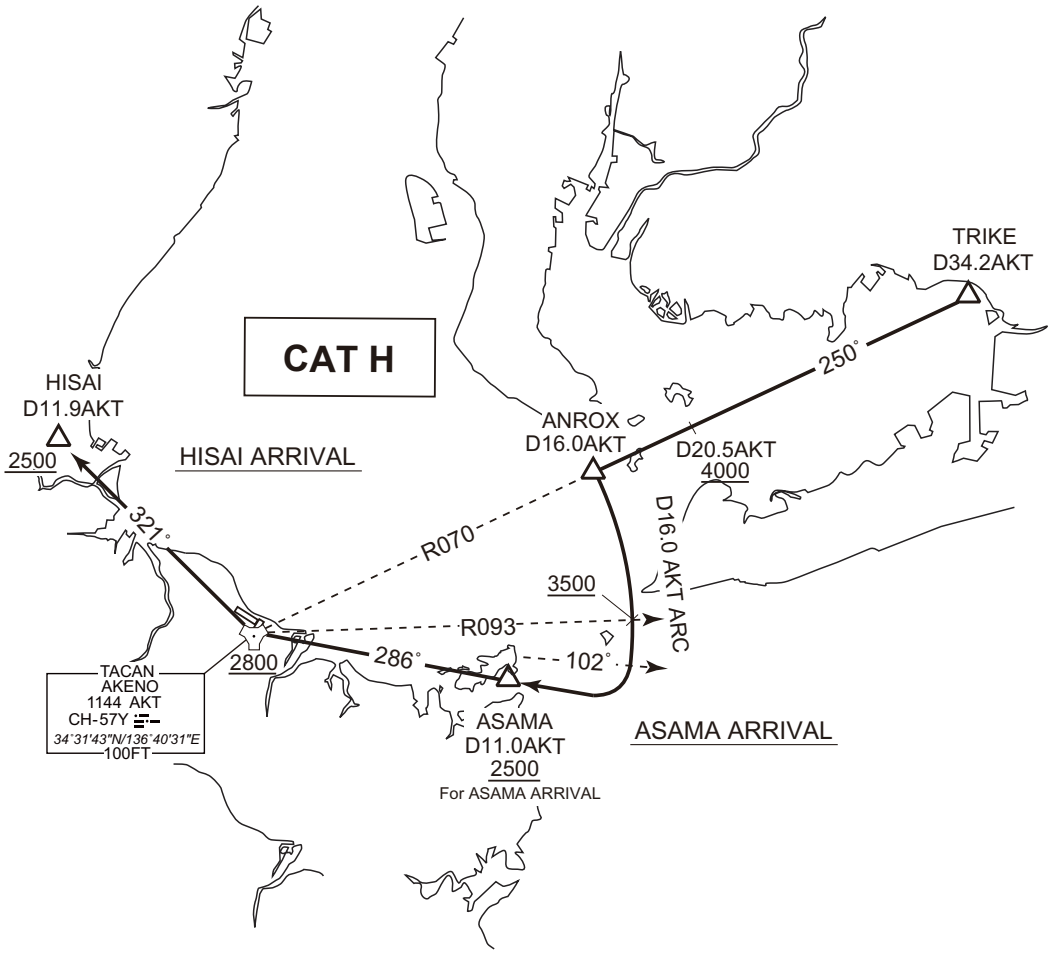
RJOE / AKENO STAR

ASAMA ARRIVAL

From over TRIKE, via AKT R070 to ANROX, via AKT 16.0DME clockwise ARC to intercept and proceed via AKT R106 to ASAMA.
Cross AKT R070/20.5DME at or above 4000FT,
cross AKT R093/16.0DME at or above 3500FT,
cross ASAMA at or above 2500FT.

HISAI ARRIVAL

From over TRIKE, via AKT R070 to ANROX, via AKT 16.0DME clockwise ARC to intercept and proceed via AKT R106 to AKT TACAN, via AKT R321 to HISAI.
Cross AKT R070/20.5DME at or above 4000FT,
cross AKT R093/16.0DME at or above 3500FT,
cross AKT TACAN at or above 2800FT,
cross HISAI at or above 2500FT.



CHANGE : New PROC.

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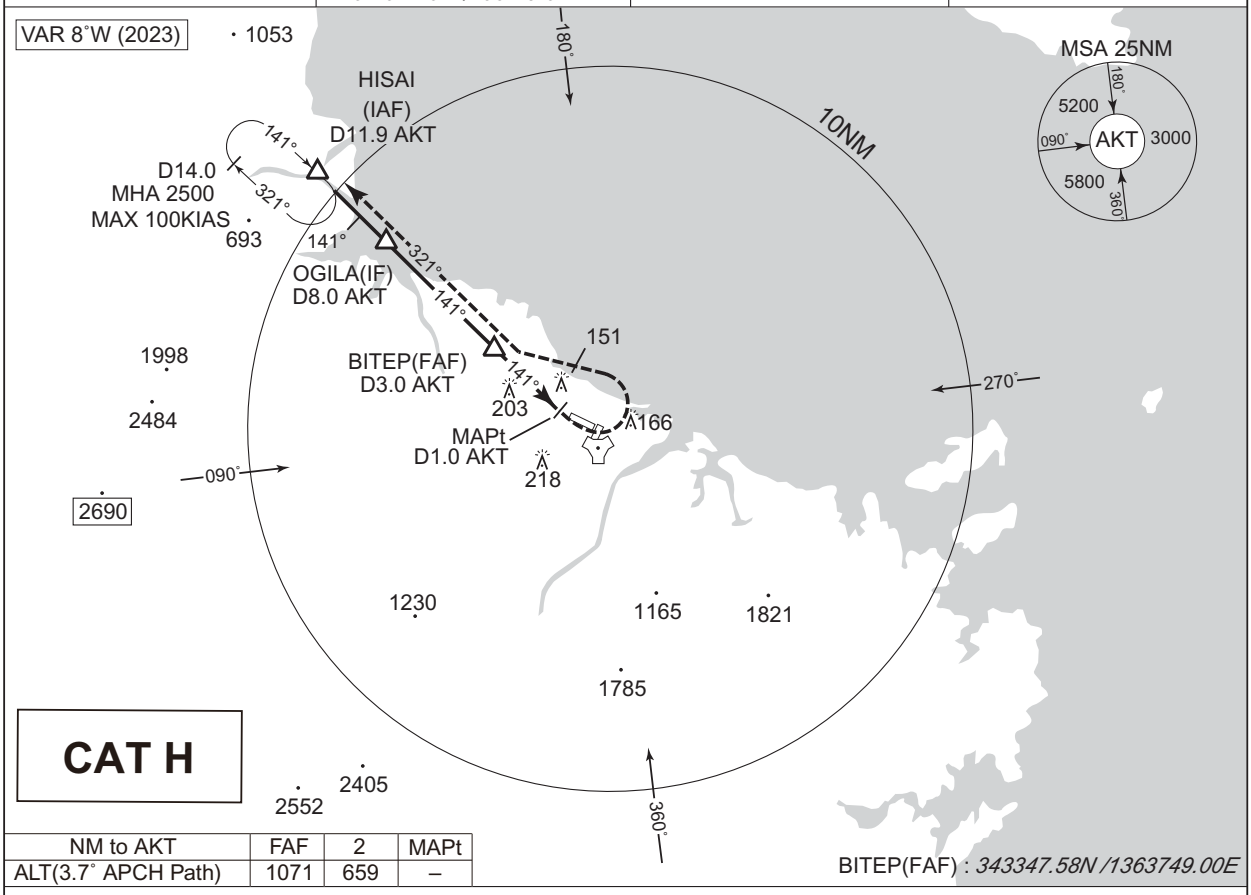
INSTRUMENT APPROACH CHART

RJOE / AKENO

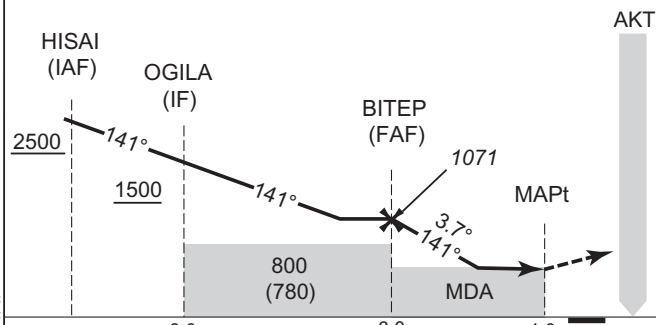
TACAN RWY13

AKENO APP	AKENO TACAN 1144 AKT CH–57Y 34°31′43″N/136°40′31″E	AKENO TOWER	RADAR AVAILABLE CALL AKENO APP
120.1 - 140.5 - 362.3		126.2 - 236.8	



NM to AKT	FAF	2	MAPt
ALT(3.7° APCH Path)	1071	659	–

BITEP(FAF) : *343347.58N /1363749.00E*



MISSED APPROACH

Turn left, climb to 2500FT
via AKT R321 to HISAI and hold.

Contact AKENO APP.

Timing not authorized for defining the MAPt.

8.0	3.0	1.0	DME to AKT
7.6	2.6	0.6	NM to THR

MINIMA THR elev. 18 AD elev. 20

CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
H	400 (380)	1500	530 (510)	1600

Circling to RWY31 ONLY.

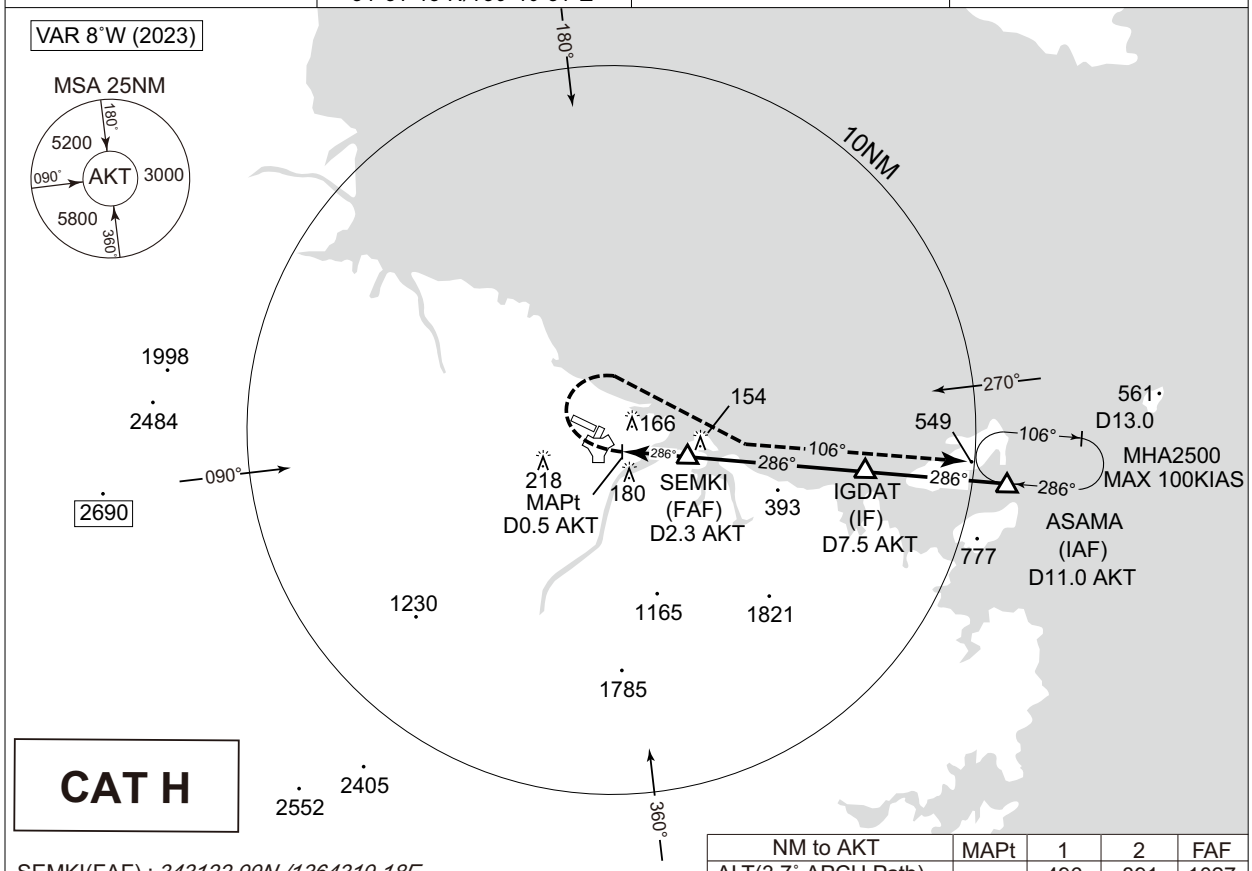
CHANGE : PROC course. PROC renamed. Missed APCH PROC. MINIMA. ALT(3.7°APCH Path) established. HLDG Pattern. DME to AKT,NM to THR established. OGILA,BITEP established. MSA. VAR.

INSTRUMENT APPROACH CHART

RJOE / AKENO

TACAN RWY31

AKENO APP	AKENO TACAN	AKENO TOWER	RADAR AVBL
120.1 - 140.5 - 362.3	1144 AKT CH–57Y *34°31´43"N/136°40´31"E*	126.2 - 236.8	CALL AKENO APP



SEMKI(FAF) : *343122.99N /1364319.18E*

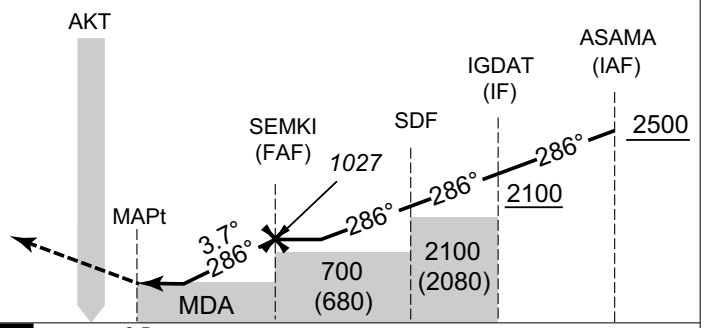
NM to AKT	MAPt	1	2	FAF
ALT(3.7° APCH Path)	–	496	891	1027

MISSED APPROACH

Turn right, climb to 2500FT
via AKT R106 to ASAMA and hold.

Contact AKENO APP.

Timing not authorized for defining the MAPt.



DME to AKT	0.5	2.3	5.7	7.5
NM to THR	0.7	2.5	5.9	7.7

MINIMA THR elev. 15 AD elev. 20

CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
H	430 (410)	1500	530 (510)	1600

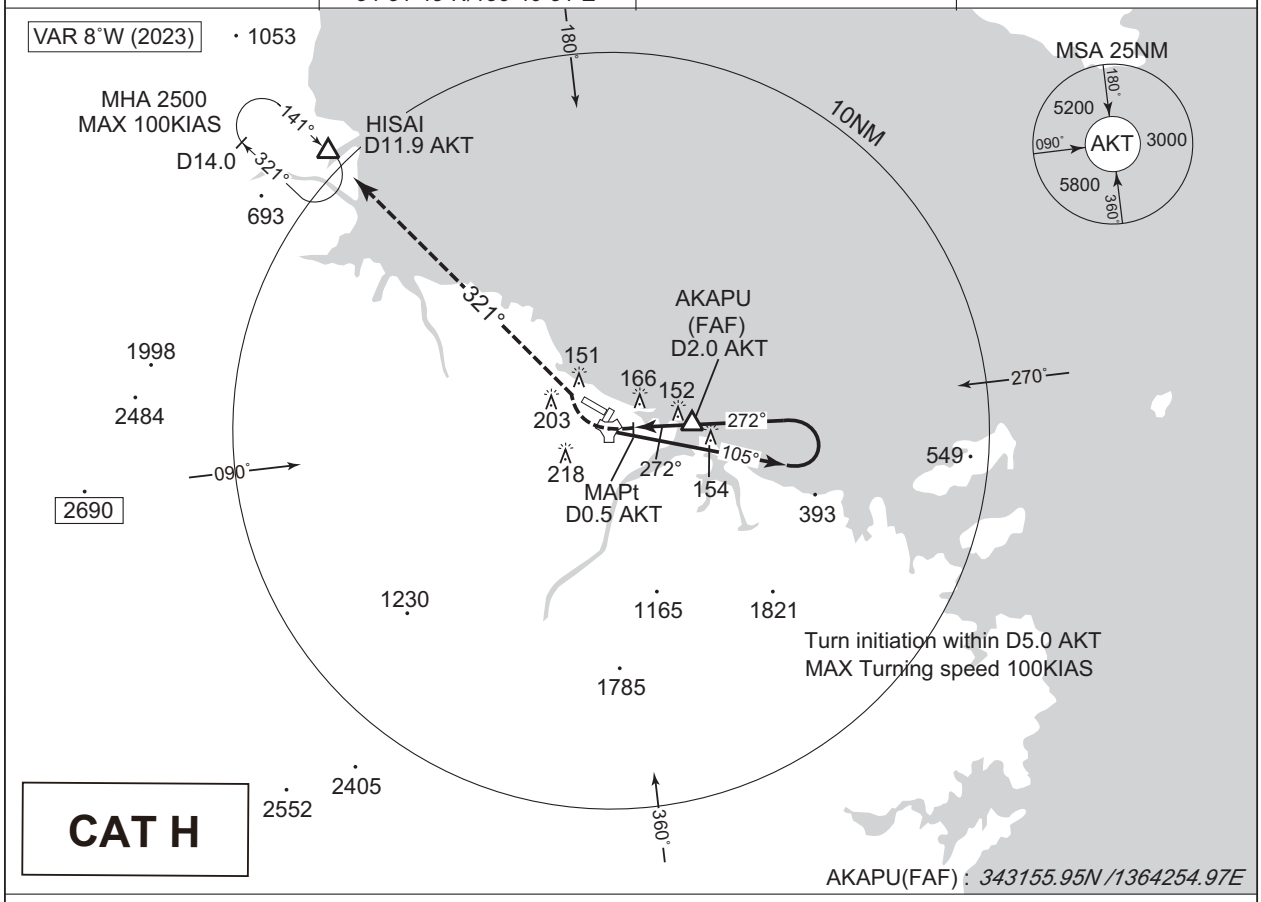
Circling to RWY13 ONLY.

CHANGE : PROC course. PROC renamed. Missed APCH PROC. MINIMA. ALT(3.7°APCH Path) established. HLDG Pattern. DME to AKT,NM to THR established. IGDAT,SEMKI established. MSA. VAR.

INSTRUMENT APPROACH CHART

RJOE / AKENO — TACAN A

AKENO APP	AKENO TACAN 1144 AKT CH–57Y	AKENO TOWER	RADAR AVAILABLE CALL AKENO APP
120.1 - 140.5 - 362.3	34°31′43″N/136°40′31″E	126.2 - 236.8	

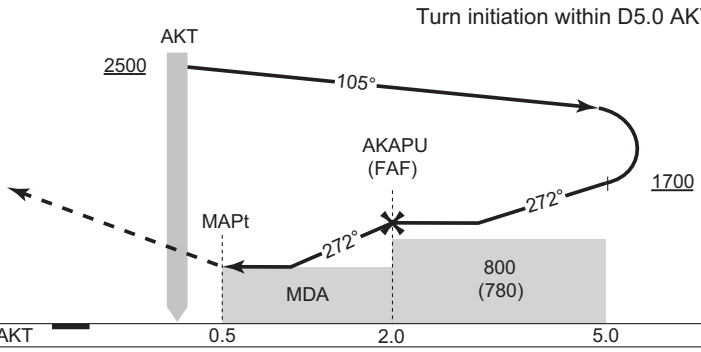


MISSED APPROACH

Turn right, climb to 2500FT
via AKT R321 to HISAI and hold.

Contact AKENO APP.

Timing not authorized for defining the MAPt.



MINIMA	AD elev. 20	
CAT	CIRCLING	
	MDA(H)	VIS
H	530 (510)	1600

Circling to RWY13/31 ONLY.

CHANGE : New PROC.

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