AD 2 AERODROMES

RJNH AD 2.1 AERODROME LOCATION INDICATOR AND NAME

RJNH - HAMAMATSU

RJNH AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	*344501N/1374211E*
2	Direction and distance from (city)	3nm NW
3	Elevation/ Reference temperature	150ft / -
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	Japan Air Self Defense Force
7	Types of traffic permitted(IFR/ VFR)	IFR/VFR
8	Remarks	Nil

RJNH 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	H24
7	ATS	H24
8	Fuelling	Nil
9	Handling	Nil
10	Security	Nil
11	De-icing	Nil
12	Remarks	Nil

RJNH AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	Nil
2	Fuel/ oil types	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

RJNH 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

RJNH 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

RJNH AD 2.7 SEASONAL AVAILABILITY-CLEARING

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

RJNH 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

RJNH 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: RWY09/27 (LGT) RTHL, TKOF aiming LGT TWY: (LGT) TWY edge LGT
3	Stop bars	Nil
4	Remarks	Nil

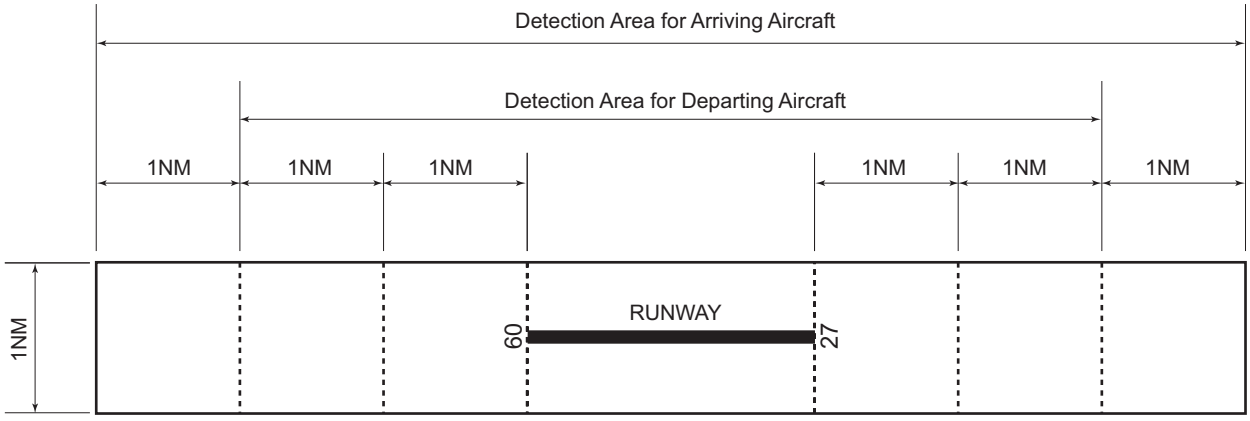
RJNH AD 2.10 AERODROME OBSTACLES

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

RJNH AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	HAMAMATSU
2	Hours of service MET Office outside hours	H24
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

Airspace for the advisory service concerning low level wind shear



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

RJNH 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
09 27	To be issued later	2550×60 2550×60	SW37000kg (81000lbs) DW57000kg (125000lbs) STW97000kg (213000lbs) DTW181000kg (399000lbs) Concrete	Nil Nil	Nil Nil

Slope of RWY	Strip Dimensions(M)	Remarks
7	10	12
to be developed	2926×300 2926×300	Nil

RJNH AD 2.13 DECLARED DISTANCES

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

RJNH 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
09 27			PAPI 3.0° 51ft PAPI 3.0° 54ft					
Remarks								
10								

RJNH AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	ABN:*344434N/1374158E*, White/Green EV8.748sec, HO
2	LDI location and LGT Anemometer location and LGT	LDI : LGTD
3	TWY edge and centerline lighting	TWY edge LGT : AVBL
4	Secondary power supply/ switch-over time	Nil
5	Remarks	WDI LGT, OBST LGT

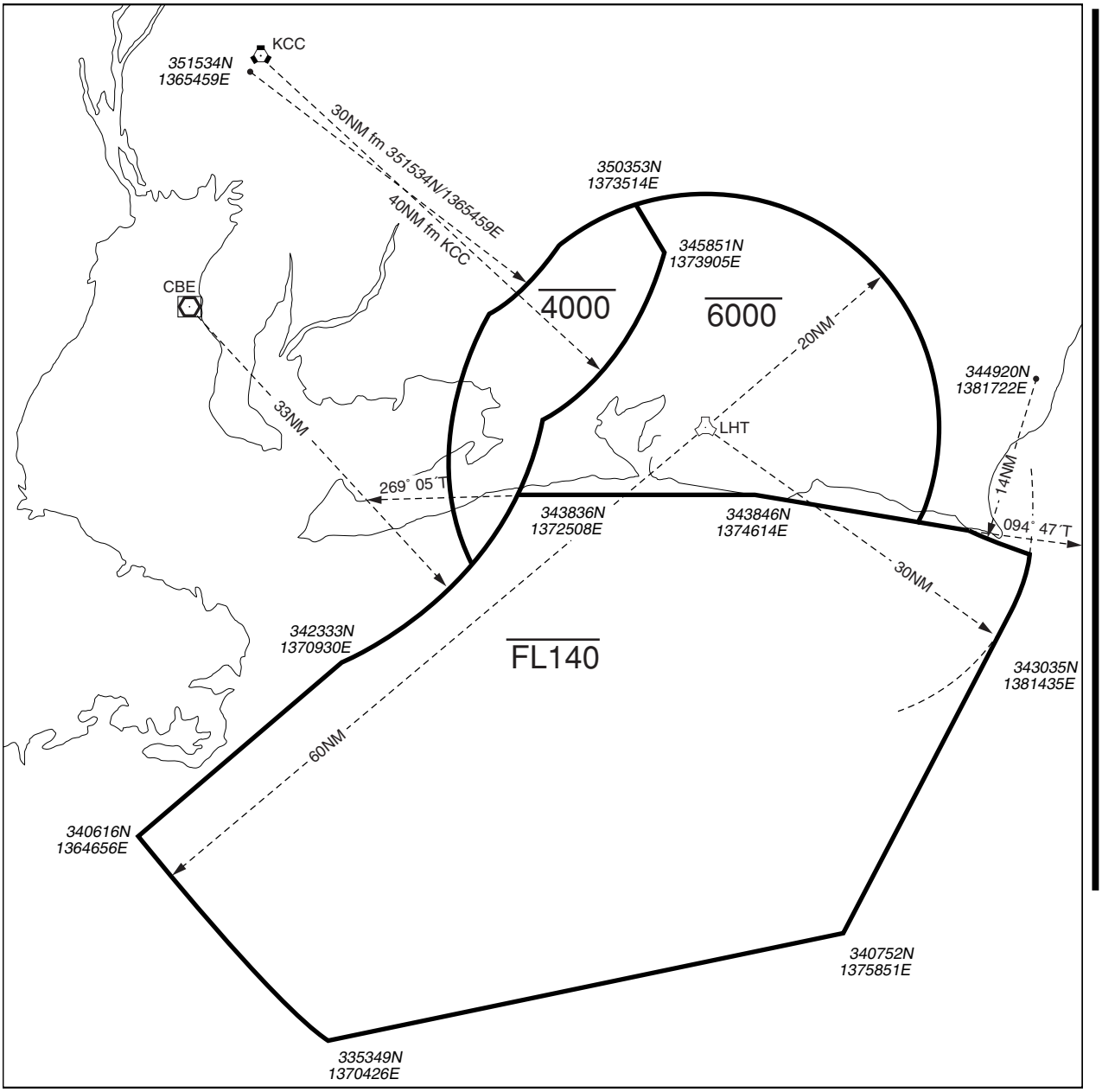
RJNH AD 2.16 HELICOPTER LANDING AREA

To be issued later

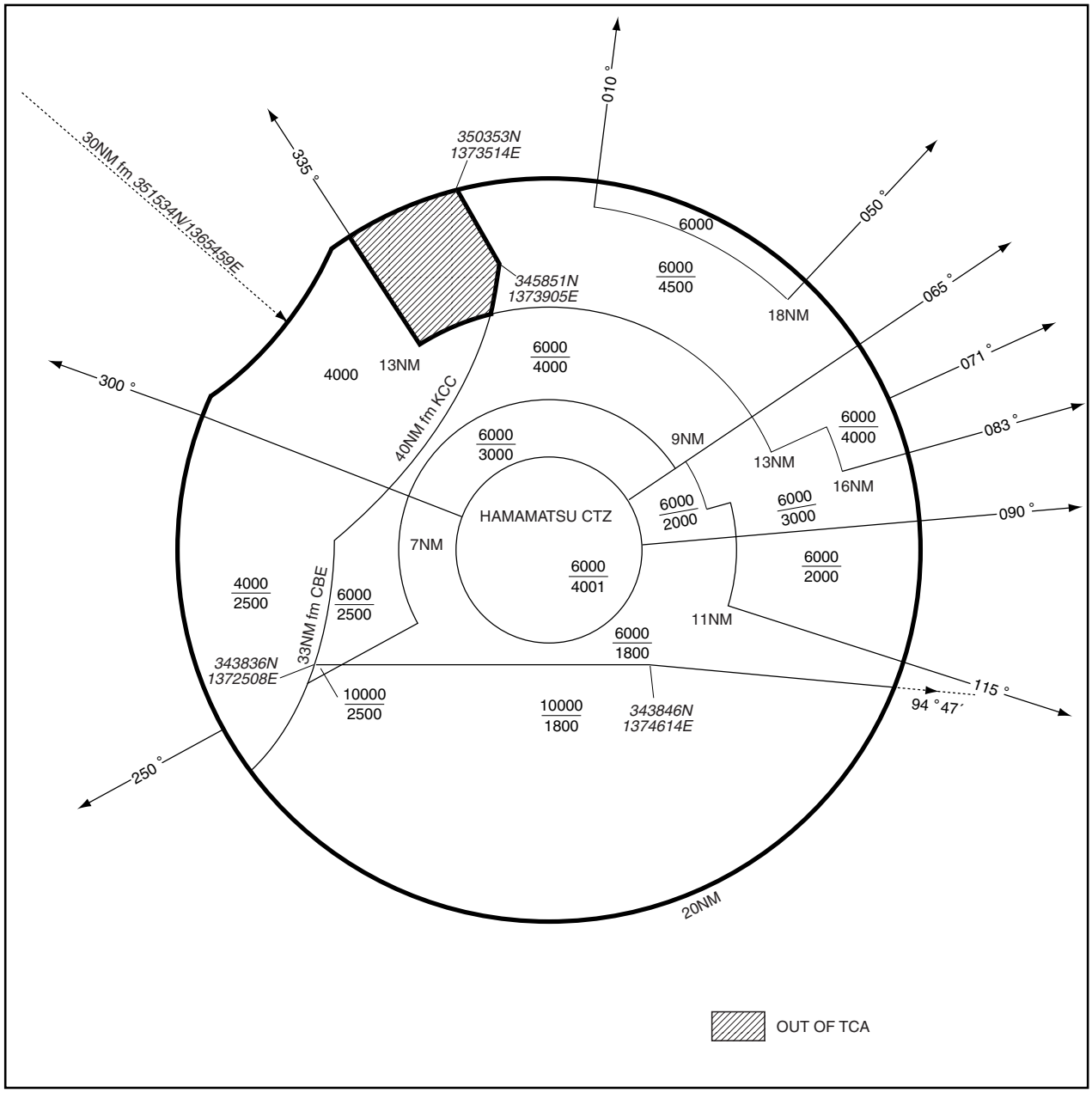
RJNH AD 2.17 ATS AIRSPACE

Designation and lateral limits		Vertical limits (ft)	Airspace classification	ATS unit call sign Language	Remarks
1		2	3	4	6
HAMAMATSU CTR	Area within a radius of 5NM of HAMAMATSU ARP (*34°45'N/137°42'E*).	4,000 or below	D	HAMAMATSU Tower	
HAMAMATSU ACA	SEE RJNH ATTACHED CHART				
HAMAMATSU TCA	SEE RJNH ATTACHED CHART				

浜松進入管制区
Hamamatsu Approach Control Area



浜松ターミナルコントロールエリア
Hamamatsu Terminal Control Area



RJNH AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
APP/ASR	Hamamatsu Approach/ Hamamatsu Radar	261.2MHz 120.1MHz 250.4MHz 243.0MHz(E) 121.5MHz(E)	H24	(1) For rescue only. (2) AVBL on request.
TWR	Hamamatsu Tower	236.8MHz 126.2MHz 304.5MHz 138.05MHz(1) 247.0MHz(1)(2) 123.1MHz(1)(2) 243.0MHz(E) 121.5MHz(E)	H24	
GND	Hamamatsu Ground	275.8MHz 126.2MHz	H24	
DEP	Hamamatsu Deperture	362.3MHz 302.4MHz 120.1MHz 121.5MHz(E) 243.0MHz(E)	H24	
TCA	Hamamatsu TCA	127.95MHz 288.1MHz	2300 - 1100 SUN - THU (EXC HOL)	
GCA-ASR -PAR	Hamamatsu Radar	335.6MHz 270.8MHz 134.1MHz 125.3MHz 316.0MHz 302.4MHz 238.8MHz 300.7MHz 317.8MHz 121.5MHz(E) 243.0MHz(E)	H24	ASR, PAR Rwy 09/27 Glide path 3.0°.
MET	Hamamatsu Metro	344.6MHz	2030-1230 DLY EXC 2030 FRI-1230 SAT 2030 SAT-1230 SUN and HOL Other time on request	Pilot forecaster service (Military)

RJNH AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid (VOR declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
TACAN	LHT	1181 MHz (CH-94X)	H24	*344450.47N/ 1374236.21E*	218ft	Unusable: R150-170 beyond 18nm BLW 2000ft. R270-280 beyond 35nm BLW 3000ft. R280-290 beyond 32nm BLW 4000ft. R290-310 beyond 35nm BLW 5000ft. R310-320 beyond 30nm BLW 6000ft. R320-330 beyond 27nm BLW 6000ft. R330-340 beyond 37nm BLW 7000ft.

RJNH 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

RJNH AD 2.21 NOISE ABATEMENT PROCEDURES

Nil

RJNH 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	09	300'-1600m	300'-1600m	-	300'-1600m
	27	300'-1600m	300'-1600m	-	300'-1600m
OTHER	09	AVBL LDG MINIMA			
	27				

2. WX MINIMA CONCERNING PAR/ASR APCH PROCEDURE

PAR RWY 09

MINIMA	THR ELEV: 141		AD ELEV: 150	
CAT			CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	VIS
A	450(309)	1200	800(650)	1600
B				
C				2400
D				3200

PAR RWY 27

MINIMA	THR ELEV: 148		AD ELEV: 150	
CAT			CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	VIS
A	450(302)	1200	800(650)	1600
B				
C				2400
D				3200

ASR RWY 09

MINIMA	THR ELEV: 141		AD ELEV: 150	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	800(659)	1500	800(650)	1600
B				
C		2000		2400
D				3200

ASR RWY 27

MINIMA	THR ELEV: 148		AD ELEV: 150	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	800(650)	1500	800(650)	1600
B				
C		2000		2400
D				3200

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

If radio communications with HAMAMATSU 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 HAMAMATSU Radar/Tower.
2. If unable, proceed in accordance with Visual Flight Rules.
3. If unable, proceed to TACAN IAF at last assigned altitude or 3,000ft whichever higher, and execute instrument approach

(II) Procedures other than above will be issued when situation required.

4. Automated Radar Terminal System (ARTS)
Aircraft flying under control of Hamamatsu approach control in the approach control area will be instructed to reply with discrete code on Mode A/3 and Mode C.
If an aircraft with non-discrete code capability be instructed to reply with such code, it shall report a controller accordingly.

浜松進入管制所の指示のもとに、当該進入管制区を飛行する航空機は、モード A/3 の二次レーダー個別コード及びモード C による応答を指示される。
二次レーダー個別コードを搭載していない航空機が当該コードによる応答を指示された場合は、管制官に対しその旨を通報すること。

RJNH AD 2.23 ADDITIONAL INFORMATION

E portion of N TWY and N-1 TWY are not visible from TWR.

RJNH AD 2.24 CHARTS RELATED TO AN AERODROME

Standard Departure Chart - Instrument (SAGRA, OSHIMA)
Standard Departure Chart - Instrument (KOWA)
Standard Departure Chart - Instrument (ATSUMI)
Standard Departure Chart - Instrument (HAMAMATSU REVERSAL)
Instrument Approach Chart (TACAN Z RWY 09)
Instrument Approach Chart (TACAN Y RWY 09)
Instrument Approach Chart (TACAN X RWY 09)
Instrument Approach Chart (TACAN Z RWY 27)
Instrument Approach Chart (TACAN Y RWY 27)
Instrument Approach Chart (TACAN X RWY 27)

STANDARD DEPARTURE CHART - INSTRUMENT

RJNH / HAMAMATSU SID

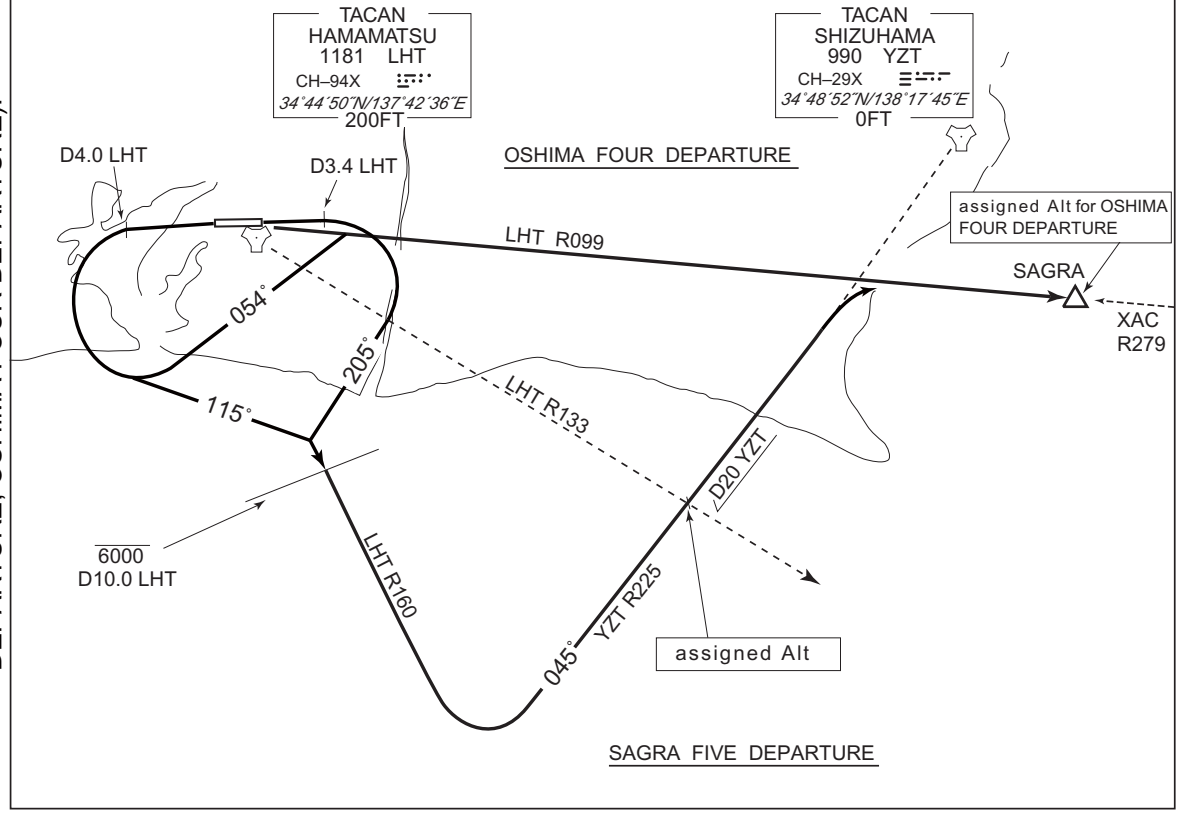
CHANGE : PROC name, PROC course(SAGRA FIVE DEPARTURE, OSHIMA FOUR DEPARTURE). Note deleted(SAGRA FIVE DEPARTURE, OSHIMA FOUR DEPARTURE).

SAGRA FIVE DEPARTURE

RWY09 : Climb RWY HDG to LHT 3.4DME(3.0NM fm DER), turn right HDG205°...
RWY27 : Climb RWY HDG to LHT 4.0DME(3.0NM fm DER), turn left HDG115°...
...to intercept and proceed via LHT R160, via YZT R225,
then turn right to proceed via XAC R279 to SAGRA.
Cross LHT R160/10.0DME at or below 6000FT,
cross YZT R225/20.0DME (LHT R133) at assigned altitude.

OSHIMA FOUR DEPARTURE

RWY09 : Climb...
RWY27 : Climb RWY HDG to LHT 4.0DME(3.0NM fm DER), turn left HDG054° to intercept and proceed...
...via LHT R099 to SAGRA.
Cross SAGRA at assigned altitude.



STANDARD DEPARTURE CHART - INSTRUMENT

RJNH / HAMAMATSU SID

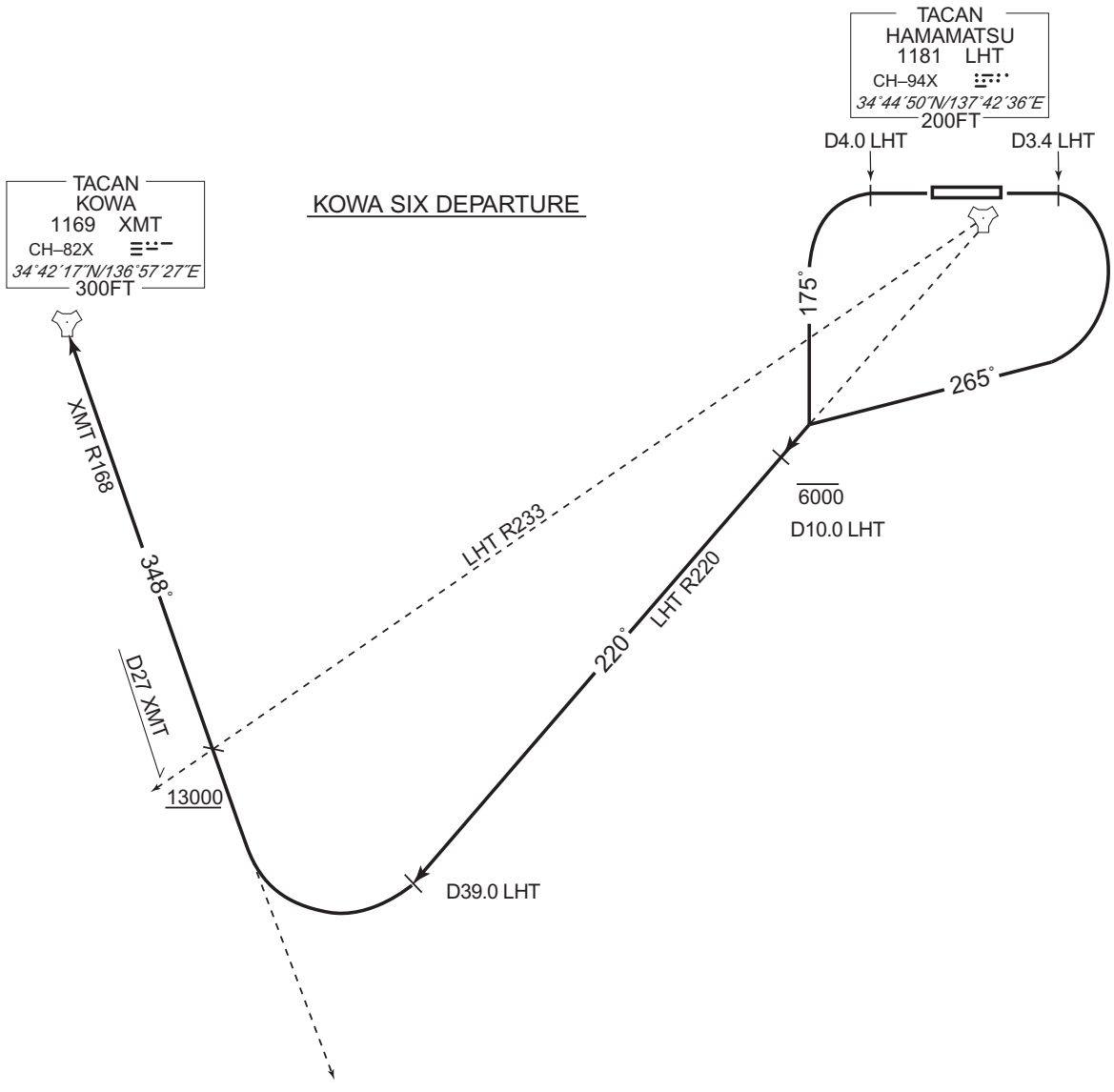
KOWA SIX DEPARTURE

RWY09 : Climb RWY HDG to LHT 3.4DME(3.0NM fm DER), turn right
HDG265° to intercept and proceed...

RWY27 : Climb RWY HDG to LHT 4.0DME(3.0NM fm DER), turn left
HDG175° to intercept and proceed...

...via LHT R220 to LHT 39.0DME, then turn right to intercept and proceed via XMT R168 to XMT TACAN.

Cross LHT R220/10.0DME at or below 6000FT,
cross XMT R168/27.0DME(LHT R233) at or above 13000FT.



CHANGE : PROC renamed. PROC course. Note deleted.

STANDARD DEPARTURE CHART - INSTRUMENT

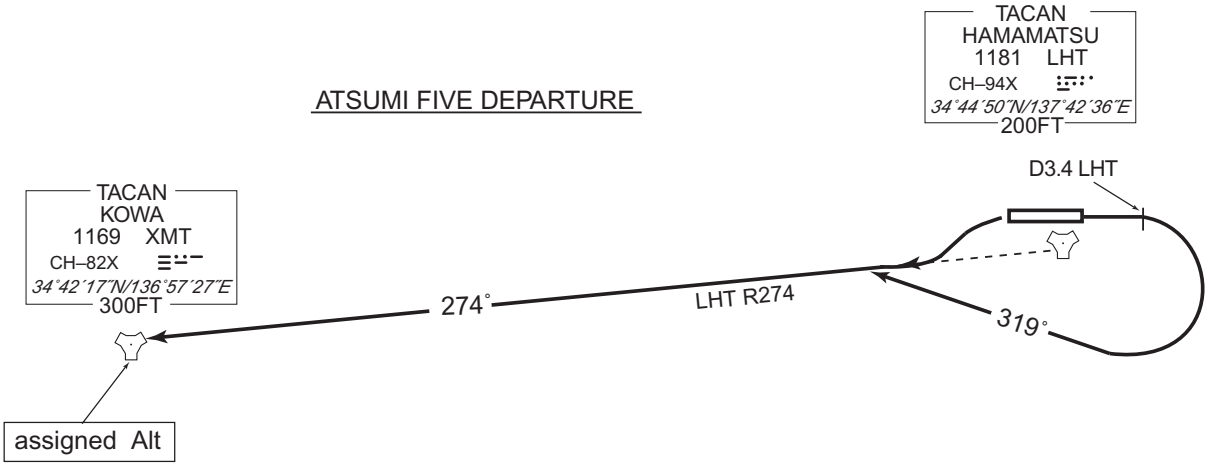
RJNH / HAMAMATSU SID

ATSUMI FIVE DEPARTURE

RWY09 : Climb RWY HDG to LHT 3.4DME(3.0NM fm DER), turn right HDG319°
to intercept and proceed...

RWY27 : Climb ...
...via LHT R274 to XMT TACAN.
Cross XMT TACAN at assigned altitude.

CHANGE : PROC renamed. PROC course. Note deleted.



STANDARD DEPARTURE CHART - INSTRUMENT

RJNH / HAMAMATSU SID

HAMAMATSU REVERSAL THREE DEPARTURE

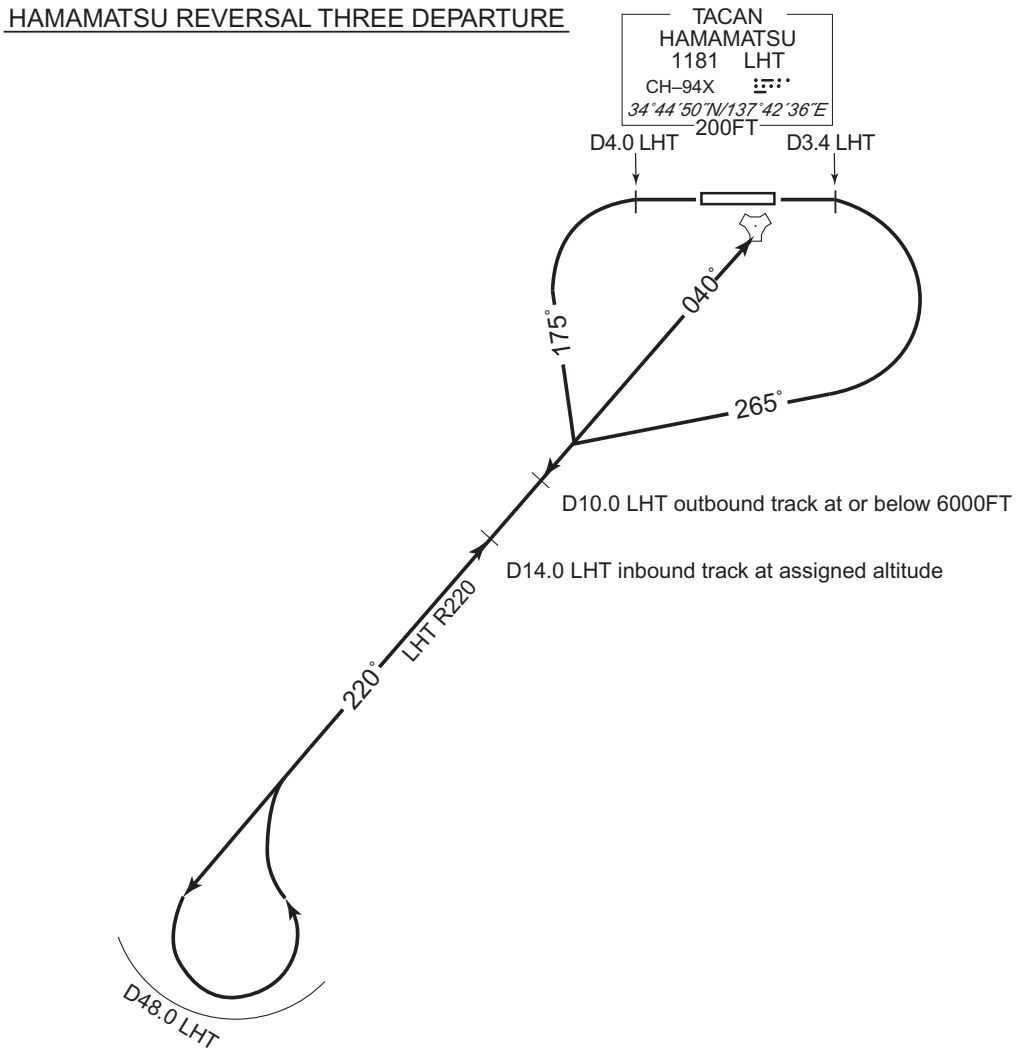
RWY09 : Climb RWY HDG to LHT 3.4DME(3.0NM fm DER), turn right HDG265° to intercept and proceed...

RWY27 : Climb RWY HDG to LHT 4.0DME(3.0NM fm DER), turn left HDG175° to intercept and proceed...

...via LHT R220, then turn left within LHT 48.0DME, reverse course to LHT TACAN.

Cross LHT R220/10.0DME outbound track at or below 6000FT.

Cross LHT R220/14.0DME inbound track at assigned altitude.



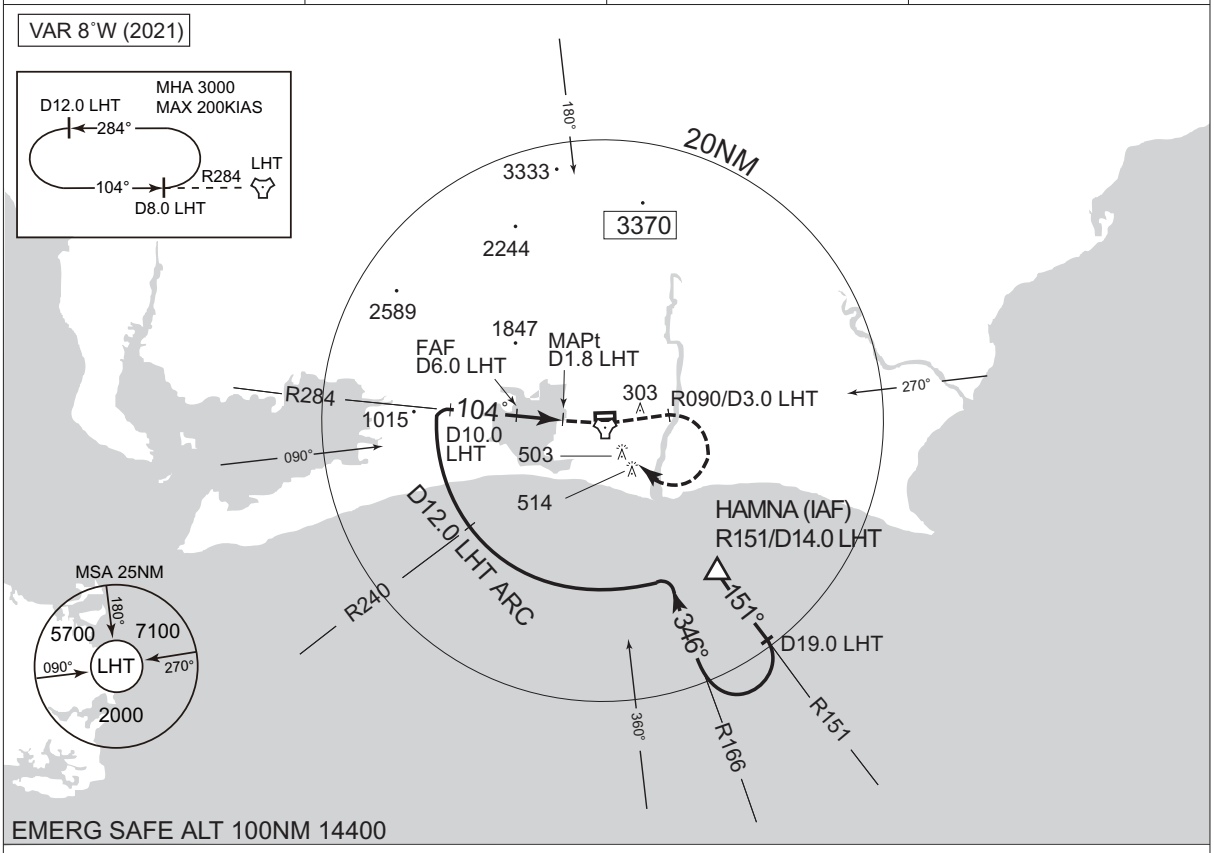
CHANGE : PROC renamed. PROC course. Note deleted.

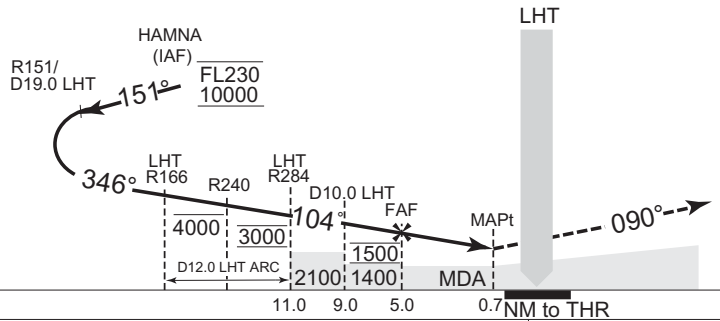
INSTRUMENT APPROACH CHART

CHANGE : VAR. PROC renamed. PROC course. Description of FAF, MAPt added. MSA. HLDG pattern added. OBST added(HGT 303). OBST deleted(HGT 410, 504). MISSED APPROACH course. OCA/H added. MDA(H). MDA(H) for CIRCLING.

RJNH / HAMAMATSU — TACAN Z RWY09

HAMAMATSU APP	HAMAMATSU TACAN	HAMAMATSU TOWER	RADAR AVBL
120.1 - 261.2 - 250.4	CH-94X LHT *34°44′50″N/137°42′36″E*	236.8 - 126.2 - 304.5	





MISSED APPROACH

Climb via LHT R090 to LHT R090/ 3.0DME, turn right to intercept and proceed via LHT R284 to LHT R284/8.0DME fix and hold at 3000FT. Contact HAMAMATSU APP.

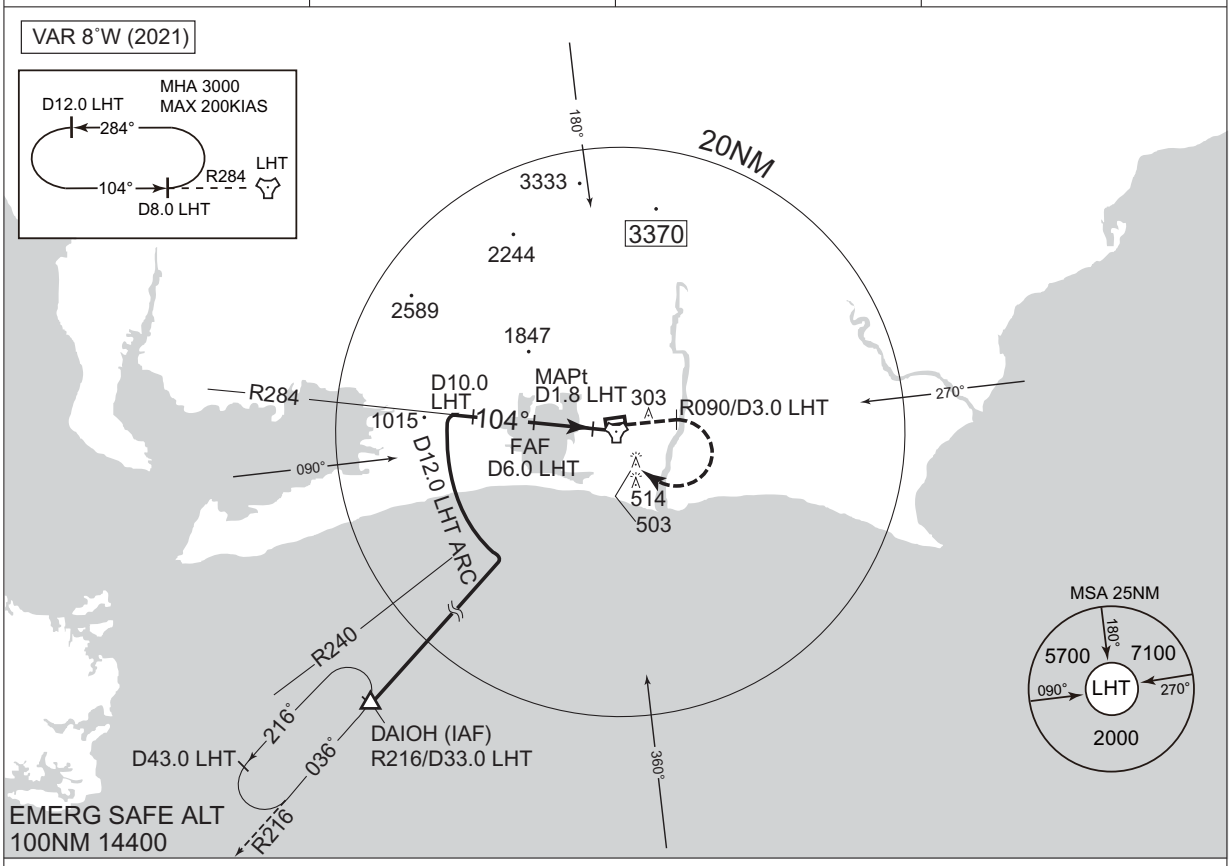
MINIMA THR elev. 141 AD elev. 150

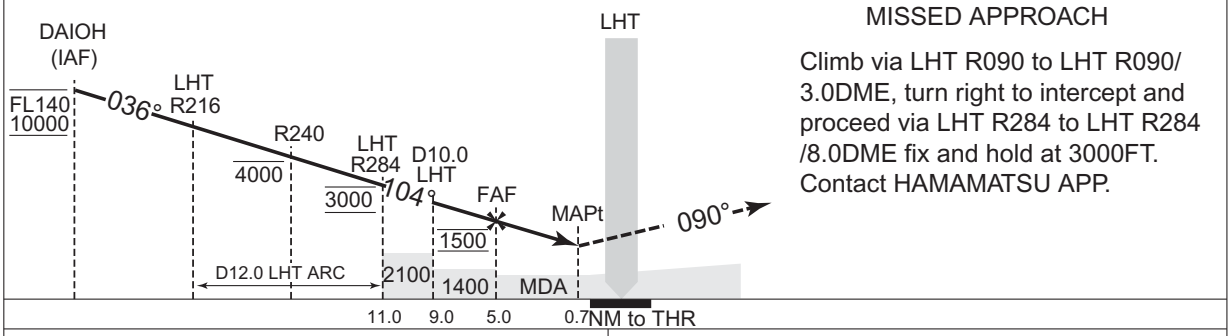
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	640 (499)	1500	800 (650)	1600
B				
C		2000	810 (660)	2400
D				3200

INSTRUMENT APPROACH CHART

RJNH / HAMAMATSU — TACAN Y RWY09

HAMAMATSU APP	HAMAMATSU TACAN	HAMAMATSU TOWER	RADAR AVBL
120.1 - 261.2 - 250.4	CH-94X LHT *34°44′50″N/137°42′36″E*	236.8 - 126.2 - 304.5	





MISSED APPROACH

Climb via LHT R090 to LHT R090/ 3.0DME, turn right to intercept and proceed via LHT R284 to LHT R284 /8.0DME fix and hold at 3000FT. Contact HAMAMATSU APP.

MINIMA THR elev. 141 AD elev. 150

CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	640 (499)	1500	800 (650)	1600
B				
C		2000	810 (660)	2400
D				3200

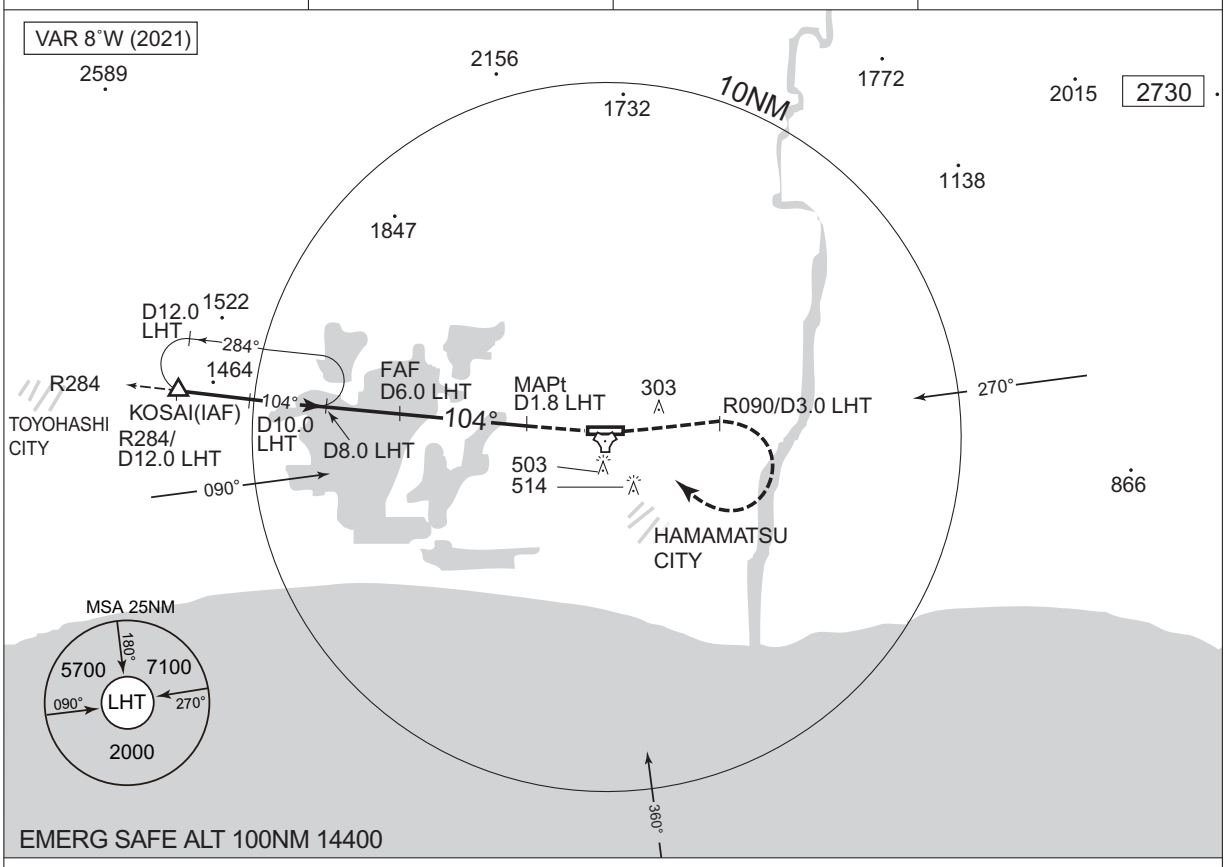
CHANGE : VAR. PROC renamed. PROC course. Description of FAF, MAPt added. MSA. HLDG pattern added. OBST added(HGT 303). OBST deleted(HGT 410, 504). MISSED APPROACH course. ALT restriction(DAIOH). OCA/H added. MDA(H). MDA(H) for CIRCLING.

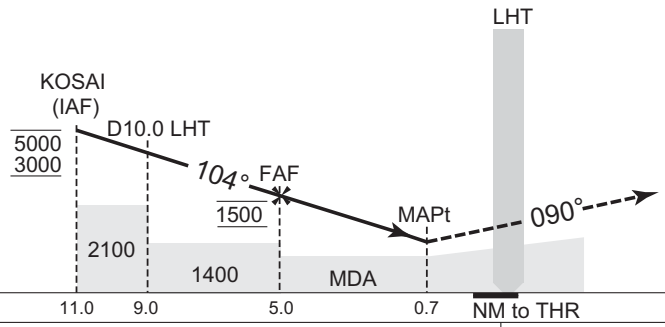
INSTRUMENT APPROACH CHART

CHANGE : VAR. PROC renamed. PROC course. Description of FAF, MAPt added. MSA. OBST HGT(HGT 303).
OBST deleted(HGT 410, 504). MISSED APPROACH course. OCA/H added. MDA(H). MDA(H) for CIRCLING.

RJNH / HAMAMATSU — TACAN X RWY09

HAMAMATSU APP	HAMAMATSU TACAN	HAMAMATSU TOWER	RADAR AVBL
120.1 - 261.2 - 250.4	CH-94X LHT *34˚44´50˝N/137˚42´36˝E*	236.8 - 126.2 - 304.5	





MISSED APPROACH

Climb via LHT R090 to LHT R090/ 3.0DME,turn right to intercept and proceed via LHT R284 to LHT R284/8.0DME fix and hold at 3000FT. Contact HAMAMATSU APP.

MINIMA THR elev. 141 AD elev. 150

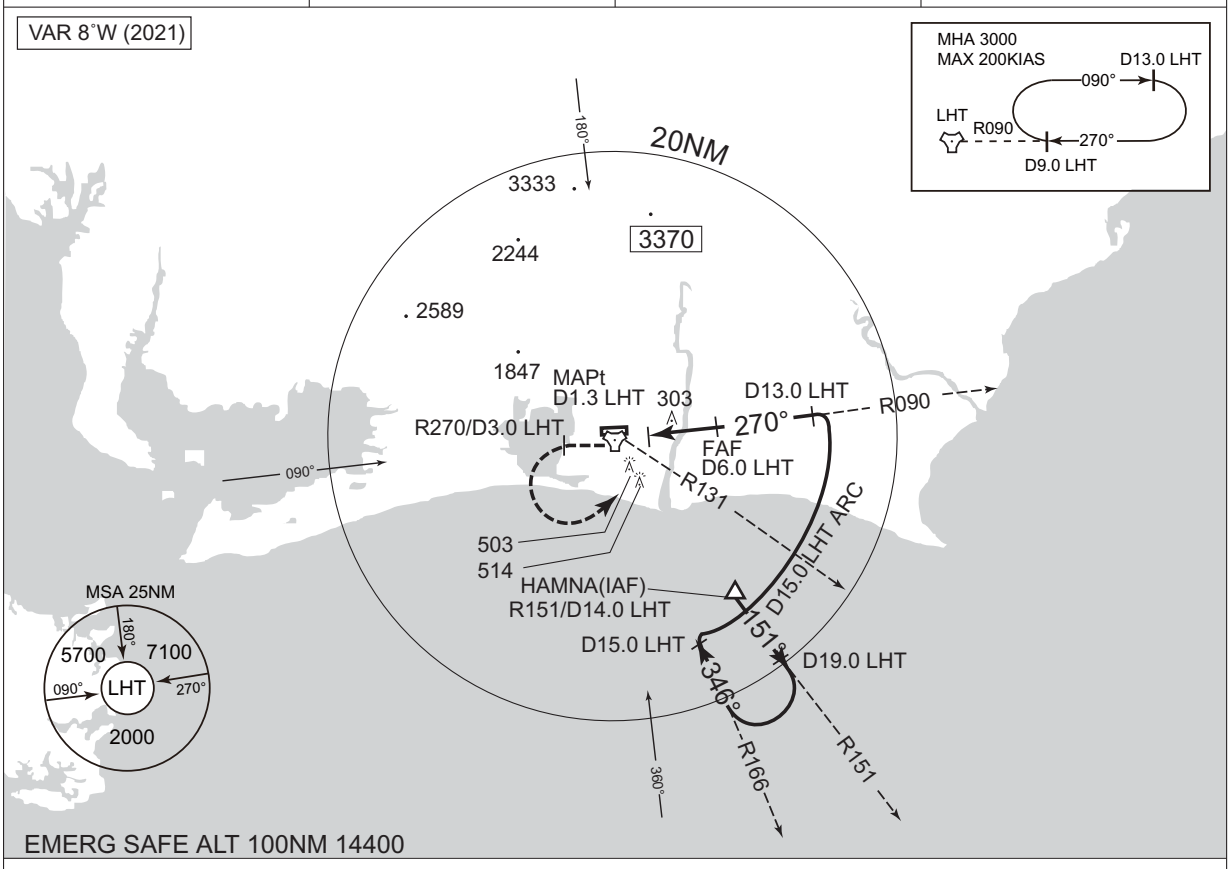
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	640 (499)	1500	800 (650)	1600
B				
C		2000	810 (660)	2400
D				3200

INSTRUMENT APPROACH CHART

CHANGE : VAR. PROC renamed. PROC course. Description of FAF, MAPt added. MSA. HLDG pattern added. OBST added(HGT 303).
OBST deleted(HGT 410, 504). MISSED APPROACH course. ALT restriction(LHT R090). OCA/H added. MDA(H). MDA(H) for CIRCLING.

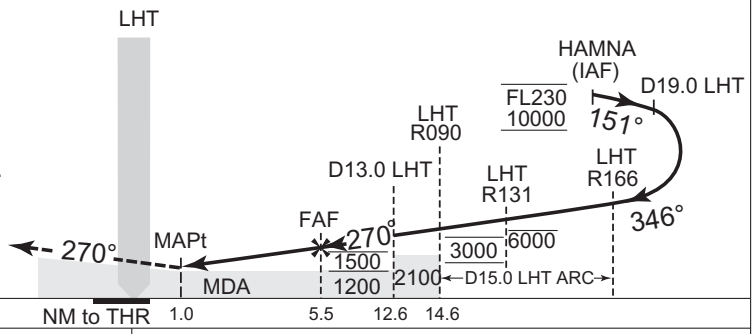
RJNH / HAMAMATSU — TACAN Z RWY27

HAMAMATSU APP	HAMAMATSU TACAN	HAMAMATSU TOWER	RADAR AVBL
120.1 - 261.2 - 250.4	CH-94X LHT *34°44′50″N/137°42′36″E*	126.2 - 236.8 - 304.5	



MISSED APPROACH

Climb via LHT R270 to LHT R270/ 3.0DME, turn left to intercept and proceed via LHT R090 to LHT R090/9.0DME fix and hold at 3000FT. Contact HAMAMATSU APP.



MINIMA THR elev. 148 AD elev. 150

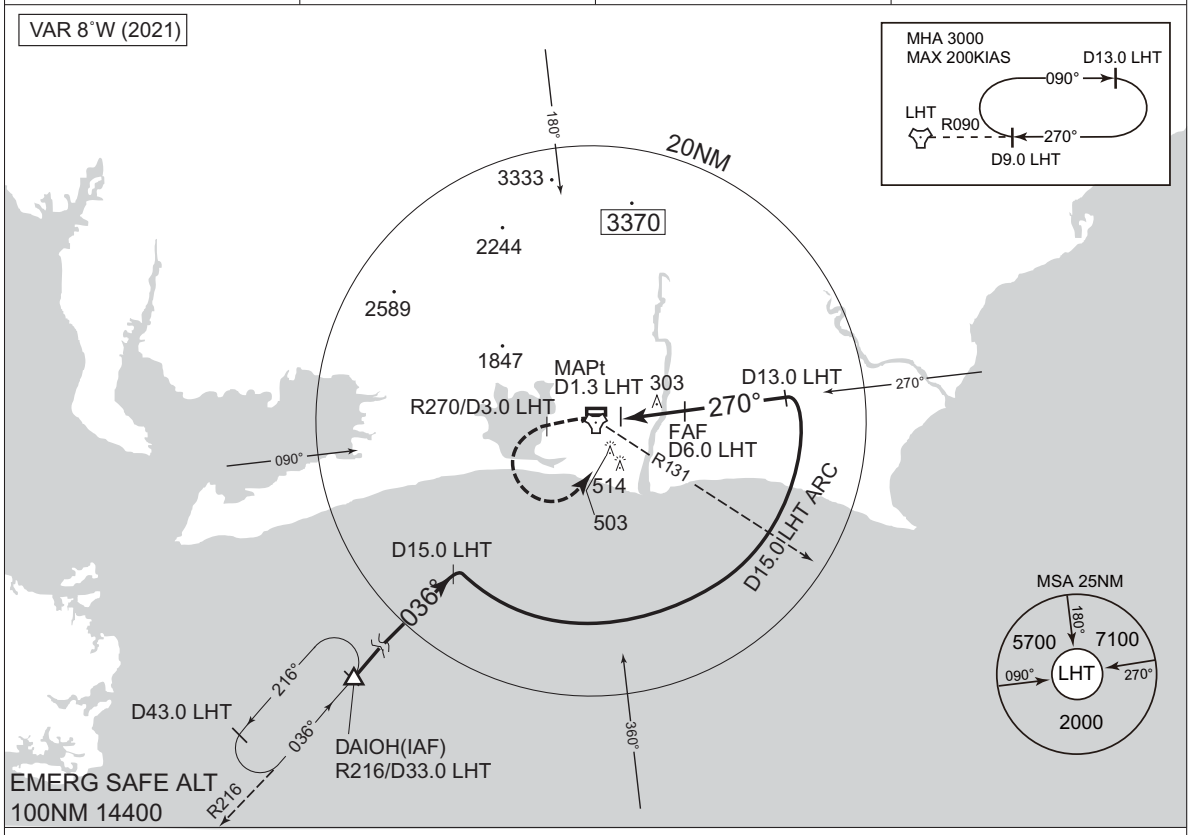
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	560 (410)	1500	800 (650)	1600
B				
C		2000	810 (660)	2400
D				3200

INSTRUMENT APPROACH CHART

RJNH / HAMAMATSU

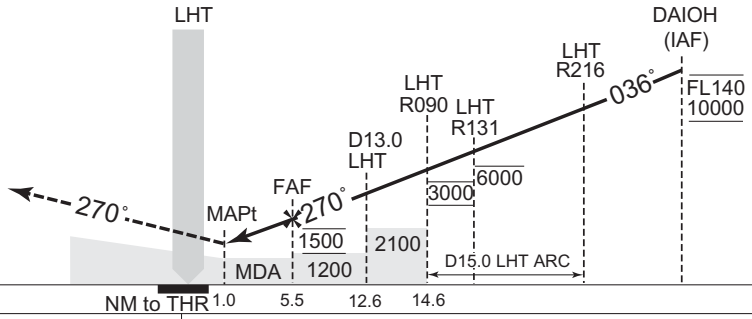
TACAN Y RWY27

HAMAMATSU APP	HAMAMATSU TACAN	HAMAMATSU TOWER	RADAR AVBL
120.1 - 261.2 - 250.4	CH-94X LHT *34°44′50″N/137°42′36″E*	236.8 - 126.2 - 304.5	



MISSED APPROACH

Climb via LHT R270 to LHT R270 /3.0DME, turn left to intercept and proceed via LHT R090 to LHT R090/9.0DME fix and hold at 3000FT.
Contact HAMAMATSU APP.



MINIMA THR elev. 148 AD elev. 150

CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	560 (410)	1500	800 (650)	1600
B				
C		2000	810 (660)	2400
D				3200

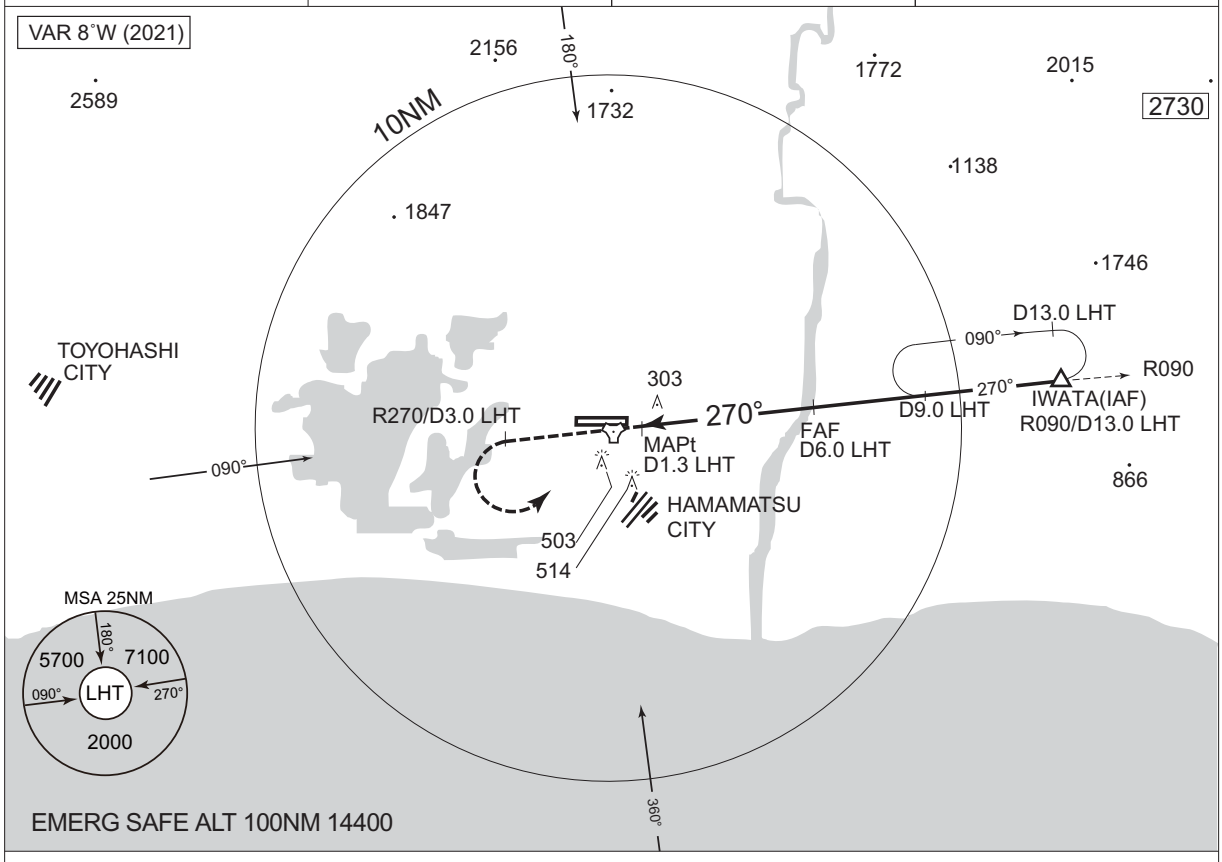
CHANGE : VAR. PROC renamed. PROC course. Description of FAF, MAPt added. MSA. HLDG pattern added. OBST added(HGT 303). OBST deleted(HGT 410, 504). MISSED APPROACH course. ALT restriction(DAIOH, LHT R090). OCA/H added. MDA(H). MDA(H) for CIRCLING.

INSTRUMENT APPROACH CHART

CHANGE : VAR. PROC renamed. PROC course. Description of FAF, MAPt added. MSA. OBST HGT(HGT 303). OBST deleted(HGT 410, 504).
MISSED APPROACH course. OCA/H added. MDA(H). MDA(H) for CIRCLING.

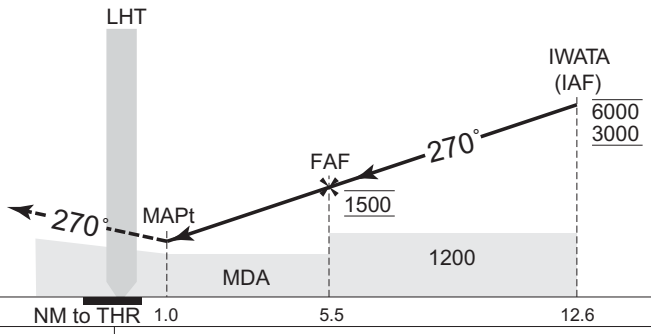
RJNH / HAMAMATSU — TACAN X RWY27

HAMAMATSU APP	HAMAMATSU TACAN	HAMAMATSU TOWER	RADAR AVBL
120.1 - 261.2 - 250.4	CH-94X LHT *34°44′50″N/137°42′36″E*	236.8 - 126.2 - 304.5	



MISSED APPROACH

Climb via LHT R270 to LHT R270/ 3.0DME, turn left to intercept and proceed via LHT R090 to LHT R090/9.0DME fix and hold at 3000FT. Contact HAMAMATSU APP.



MINIMA THR elev. 148 AD elev. 150

CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	560 (410)	1500	800 (650)	1600
B				
C		2000	810 (660)	2400
D				3200