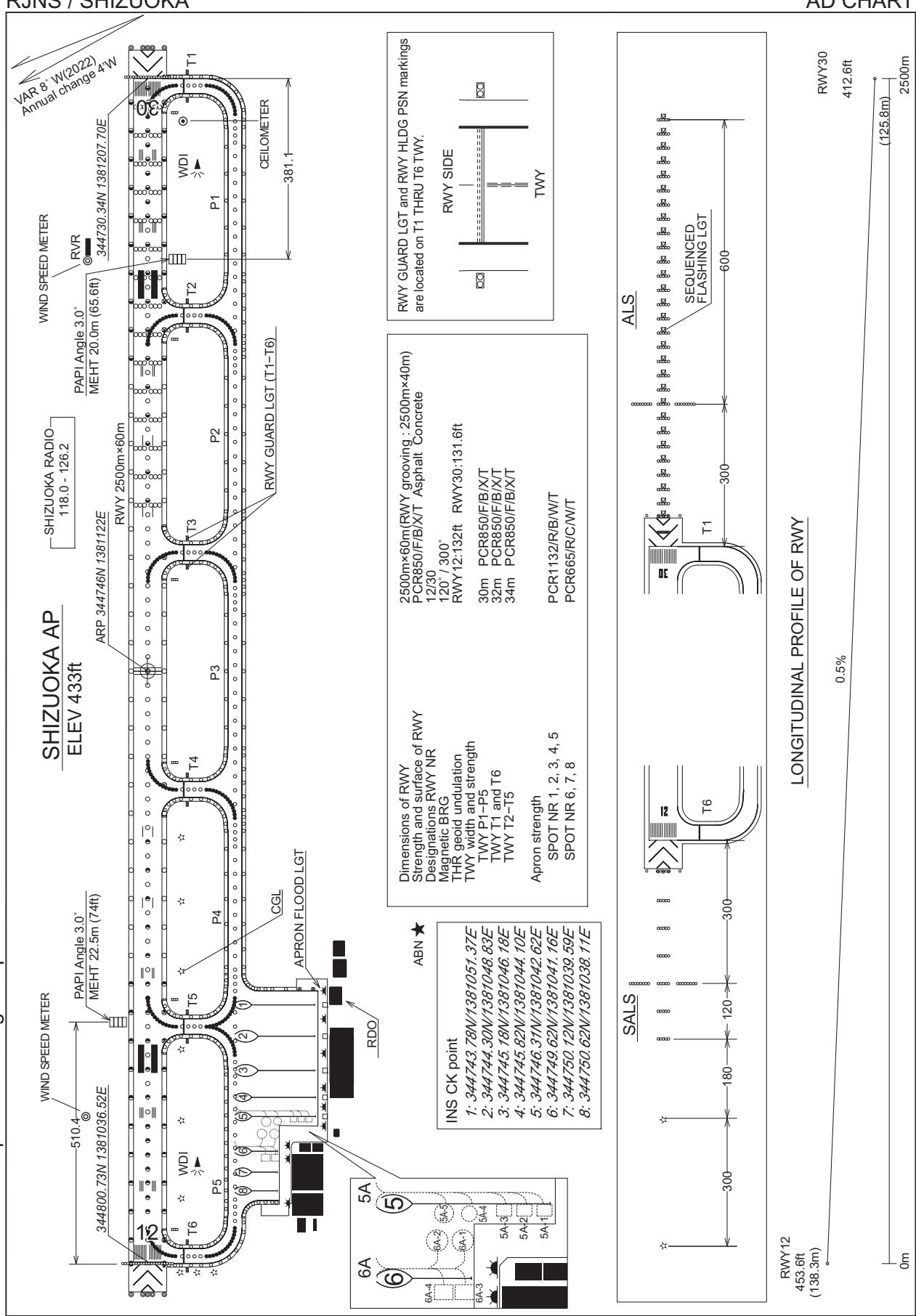


CHANGE : Description of strength of pavement.



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STANDARD DEPARTURE CHART- INSTRUMENT

RJNS / SHIZUOKA

SID

SHIZUOKA REVERSAL TWO DEPARTURE

RWY12: Climb RWY HDG to 900FT, turn right...

RWY30: Climb RWY HDG to 1200FT, turn left HDG 116°...

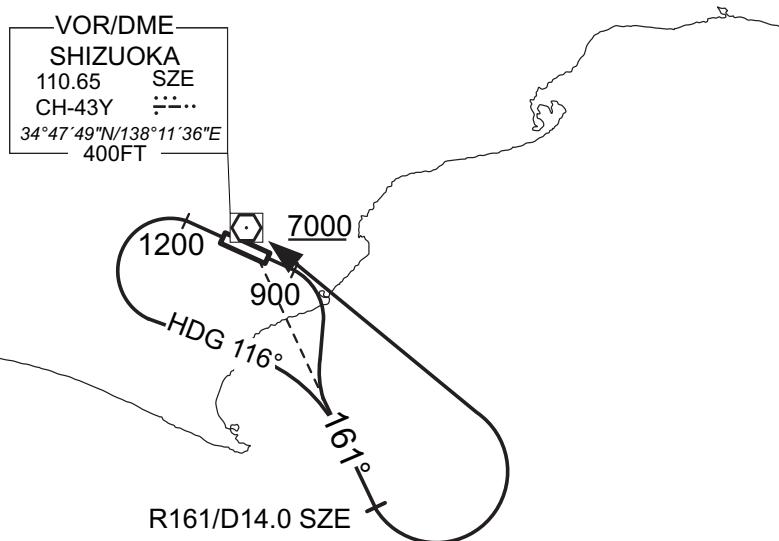
... to intercept and proceed via SZE R161 to 14.0DME, turn left direct to SZE VOR/DME.

Cross SZE VOR/DME at or above 7000FT.

Note RWY30 : 5.2% climb gradient required up to 1200FT.

OBST ALT 915FT located at 2.4NM 293° FM end of RWY30.

CHANGE : PROC renamed. PROC course.



STANDARD DEPARTURE CHART- INSTRUMENT

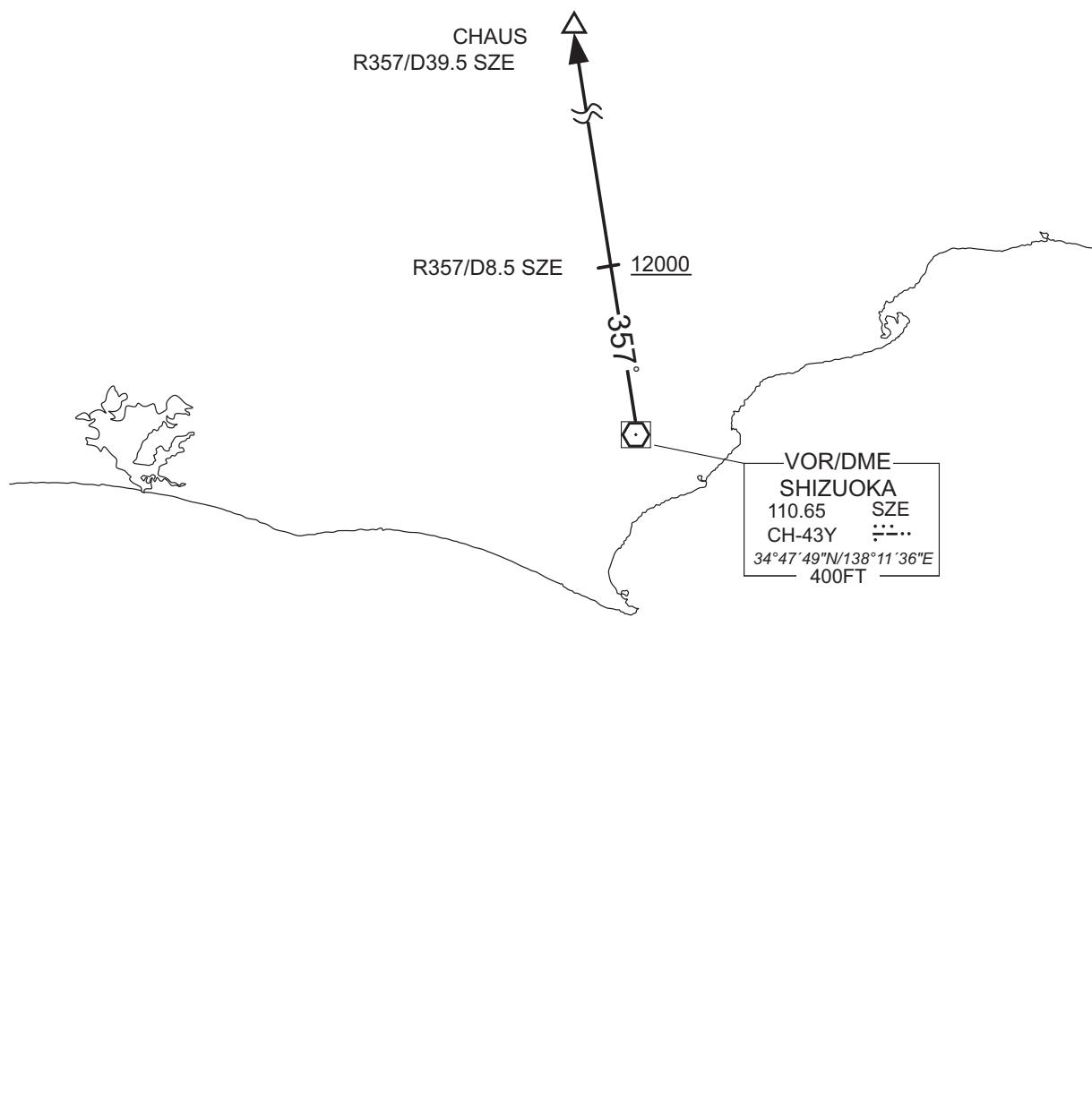
RJNS / SHIZUOKA

TRANSITION

CHAUS TRANSITION

From over SZE VOR/DME, proceed via SZE R357 to CHAUS.

Cross SZE R357/8.5DME at or above 12000FT.



STANDARD DEPARTURE CHART- INSTRUMENT

RJNS / SHIZUOKA

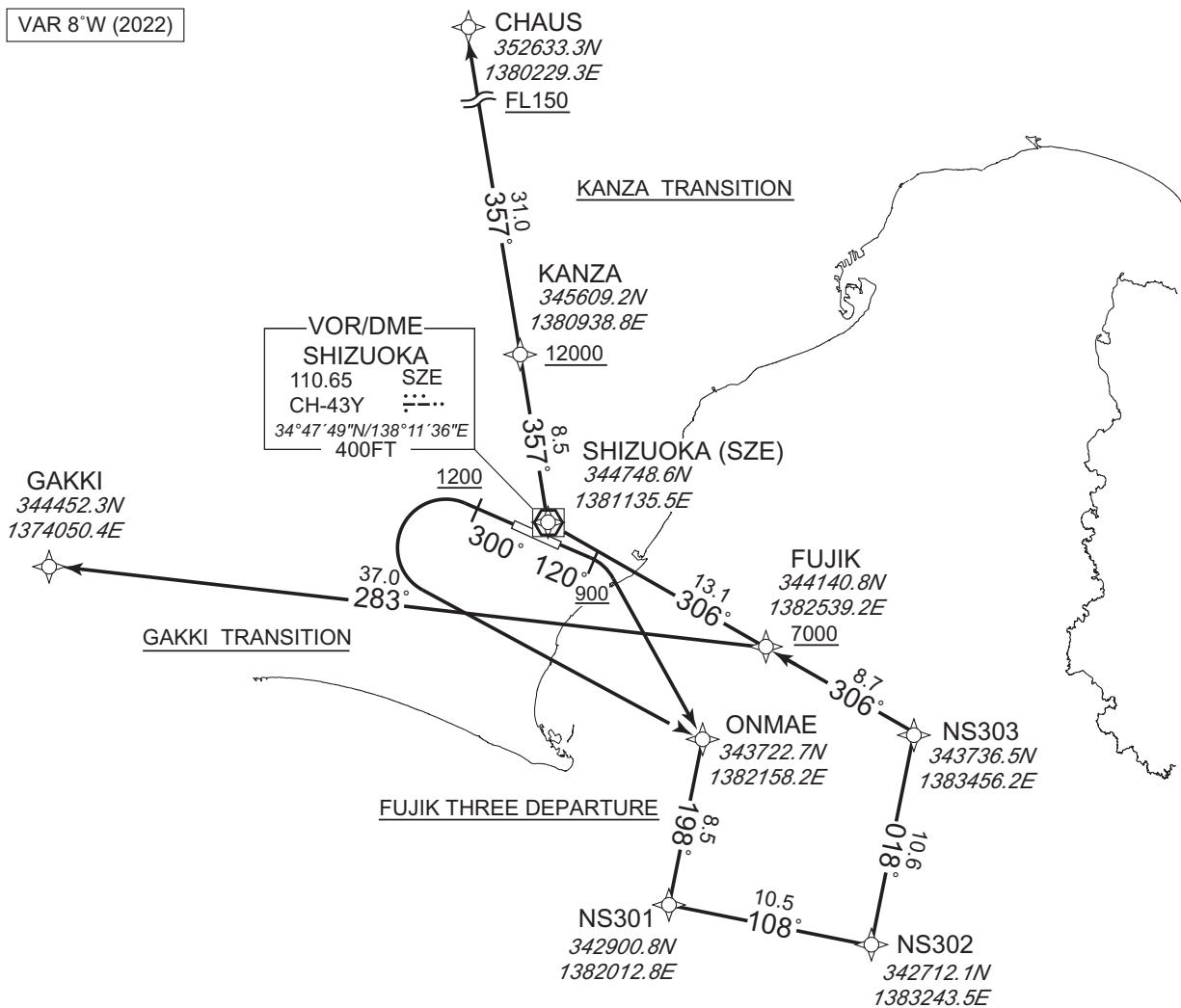
RNAV SID and TRANSITION

FUJIK THREE DEPARTURE
KANZA TRANSITION
GAKKI TRANSITION

RNP1

NOTE GNSS required.

VAR 8°W (2022)



CHANGE : Navigation Specification(Basic RNP1 → RNP1).

FUJIK THREE DEPARTURE

RWY12 : Climb on HDG120° at or above 900FT, turn right direct to ONMAE, to NS301, to NS302, to NS303, to FUJIK at or above 7000FT.

RWY30 : Climb on HDG300° at or above 1200FT, turn left direct to ONMAE, to NS301, to NS302, to NS303, to FUJIK at or above 7000FT.

NOTE RWY30 : 5.2% climb gradient required up to 1200FT.

OBST ALT 915FT located at 2.4NM 293° FM end of RWY30.

KANZA TRANSITION

From FUJIK, to SZE, to KANZA at or above 12000FT, to CHAUS at or above FL150.

GAKKI TRANSITION

From FUJIK, to GAKKI.

STANDARD DEPARTURE CHART- INSTRUMENT

RJNS / SHIZUOKA

RNAV SID and TRANSITION

FUJIK THREE DEPARTURE

RWY12

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	VA	-	-	120 (112.1)	-7.7	-	-	+900	-	-	RNP1
002	DF	ONMAE	-	-	-7.7	-	R	-	-	-	RNP1
003	TF	NS301	-	198 (189.8)	-7.7	8.5	-	-	-	-	RNP1
004	TF	NS302	-	108 (099.9)	-7.7	10.5	-	-	-	-	RNP1
005	TF	NS303	-	018 (009.9)	-7.7	10.6	-	-	-	-	RNP1
006	TF	FUJIK	-	306 (298.1)	-7.7	8.7	-	+7000	-	-	RNP1

RWY30

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	VA	-	-	300 (292.1)	-7.7	-	-	+1200	-	-	RNP1
002	DF	ONMAE	-	-	-7.7	-	L	-	-	-	RNP1
003	TF	NS301	-	198 (189.8)	-7.7	8.5	-	-	-	-	RNP1
004	TF	NS302	-	108 (099.9)	-7.7	10.5	-	-	-	-	RNP1
005	TF	NS303	-	018 (009.9)	-7.7	10.6	-	-	-	-	RNP1
006	TF	FUJIK	-	306 (298.1)	-7.7	8.7	-	+7000	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART- INSTRUMENT

RJNS / SHIZUOKA

RNAV SID and TRANSITION

KANZA TRANSITION

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	FUJIK	-	-	-7.7	-	-	+7000	-	-	RNP1
002	TF	SZE	-	306 (298.0)	-7.7	13.1	-	-	-	-	RNP1
003	TF	KANZA	-	357 (349.2)	-7.7	8.5	-	+12000	-	-	RNP1
004	TF	CHAUS	-	357 (349.1)	-7.7	31.0	-	+FL150	-	-	RNP1

GAKKI TRANSITION

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	FUJIK	-	-	-7.7	-	-	+7000	-	-	RNP1
002	TF	GAKKI	-	283 (275.2)	-7.7	37.0	-	-	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART- INSTRUMENT

RJNS / SHIZUOKA

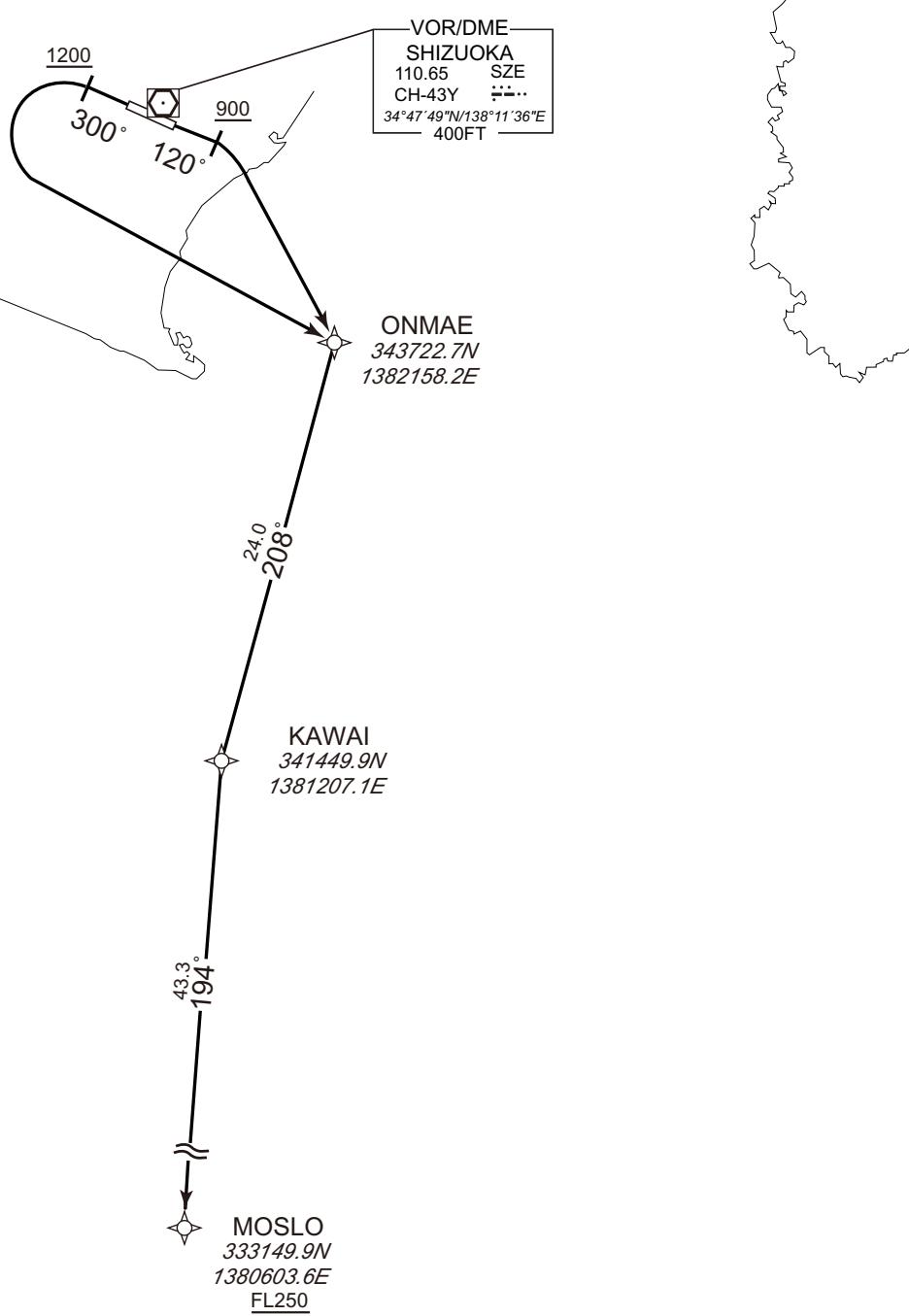
RNAV SID

MOSLO TWO DEPARTURE

RNP1

NOTE GNSS required.

VAR 8°W (2022)



CHANGE : Navigation Specification(Basic RNP1 → RNP1).

RWY12 : Climb on HDG120° at or above 900FT, turn right direct to ONMAE, to KAWAI, to MOSLO at or above FL250.

RWY30 : Climb on HDG300° at or above 1200FT, turn left direct to ONMAE, to KAWAI, to MOSLO at or above FL250.

NOTE RWY30 : 5.2% climb gradient required up to 1200FT.

OBST ALT 915FT located at 2.4NM 293°FM end of RWY30.

STANDARD DEPARTURE CHART- INSTRUMENT

RJNS / SHIZUOKA

RNAV SID

RWY12

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	VA	-	-	120 (112.1)	-7.7	-	-	+900	-	-	RNP1
002	DF	ONMAE	-	-	-7.7	-	R	-	-	-	RNP1
003	TF	KAWAI	-	208 (199.9)	-7.7	24.0	-	-	-	-	RNP1
004	TF	MOSLO	-	194 (186.7)	-7.7	43.3	-	+FL250	-	-	RNP1

RWY30

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	VA	-	-	300 (292.1)	-7.7	-	-	+1200	-	-	RNP1
002	DF	ONMAE	-	-	-7.7	-	L	-	-	-	RNP1
003	TF	KAWAI	-	208 (199.9)	-7.7	24.0	-	-	-	-	RNP1
004	TF	MOSLO	-	194 (186.7)	-7.7	43.3	-	+FL250	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD ARRIVAL CHART- INSTRUMENT

RJNS / SHIZUOKA

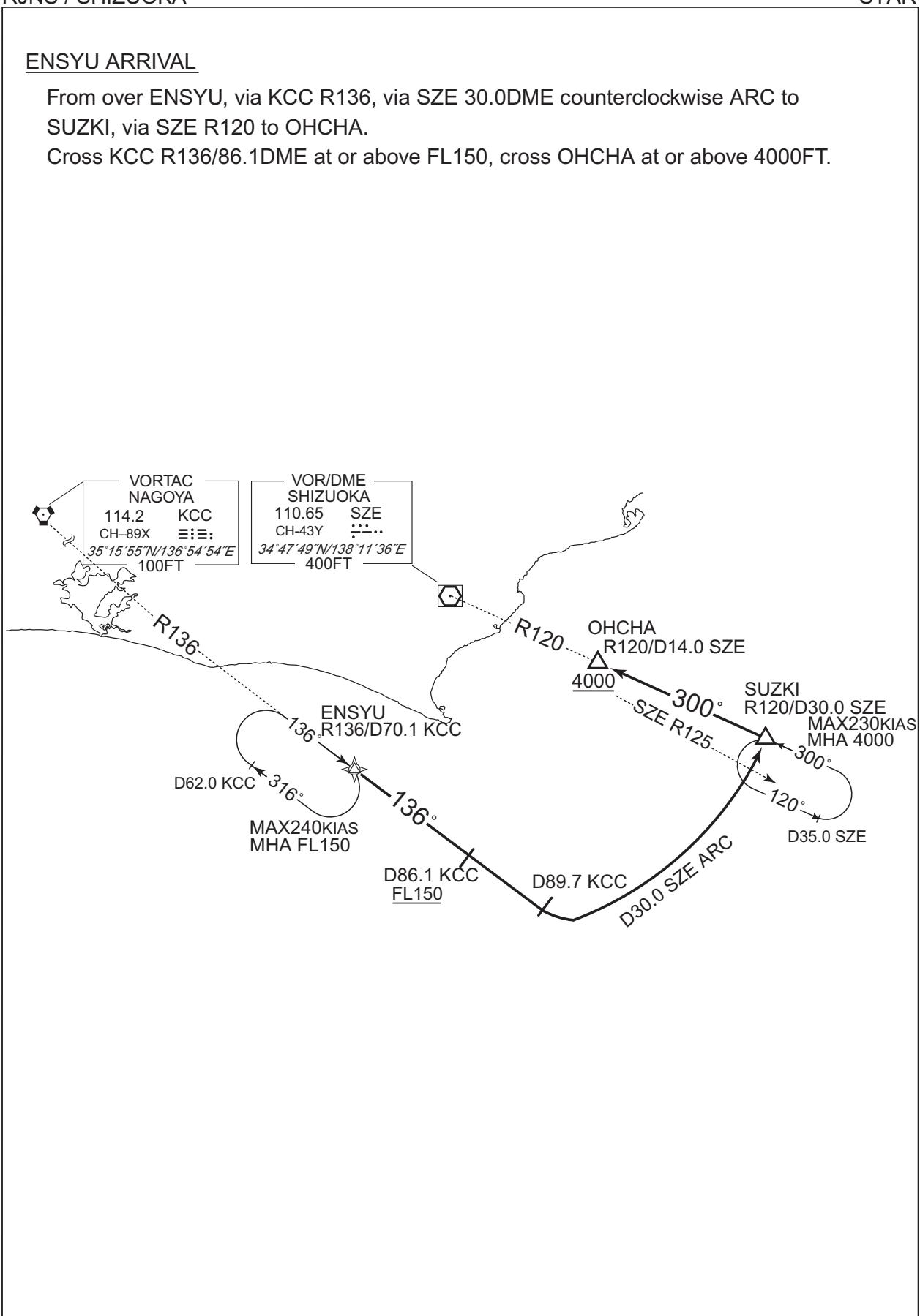
STAR

ENSYU ARRIVAL

From over ENSYU, via KCC R136, via SZE 30.0DME counterclockwise ARC to SUZKI, via SZE R120 to OHCHA.

Cross KCC R136/86.1DME at or above FL150, cross OHCHA at or above 4000FT.

CHANGE : Course FM SUZKI to OHCHA HLDG course.



STANDARD ARRIVAL CHART- INSTRUMENT

RJNS / SHIZUOKA

RNAV STAR

OHCHA ARRIVAL

RNP1

Note GNSS required.

VAR 8°W (2022)

VOR/DME
SHIZUOKA
110.65 SZE
CH-43Y \dots
34°47'49"N/138°11'36"E
400FT

ENSYU
343235.9N
1380202.5E

OHCHA
344226.0N
1382716.6E
4000

NOT TO SCALE

UNAGI
343915.8N
1383640.6E
1MIN
MHA 4000
MAX 230KIAS

AOIKU
342634.6N
1382046.5E
FL150

KOITO
342416.6N
1383217.3E

NOT TO SCALE

ENSYU
1.5MIN
316°
MHA FL150
MAX 240KIAS

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD ARRIVAL CHART- INSTRUMENT

RJNS / SHIZUOKA

RNAV STAR

From ENSYU, to AOIKU at or above FL150, to KOITO, to UNAGI, to OHCHA at or above 4000FT.

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	ENSYU	-	-	-7.7	-	-	-	-	-	RNP1
002	TF	AOIKU	-	119 (111.2)	-7.7	16.6	-	+FL150	-	-	RNP1
003	TF	KOITO	-	111 (103.6)	-7.7	9.8	-	-	-	-	RNP1
004	TF	UNAGI	-	021 (013.5)	-7.7	15.4	-	-	-	-	RNP1
005	TF	OHCHA	-	300 (292.3)	-7.7	8.4	-	+4000	-	-	RNP1

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	ENSYU	136 (127.8)	-7.7	1.5	R	FL150	-	-240	RNP1
Hold	UNAGI	300 (292.7)	-7.7	1.0(-14000)	L	4000	FL140	-230(-14000)	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD ARRIVAL CHART- INSTRUMENT

RJNS / SHIZUOKA

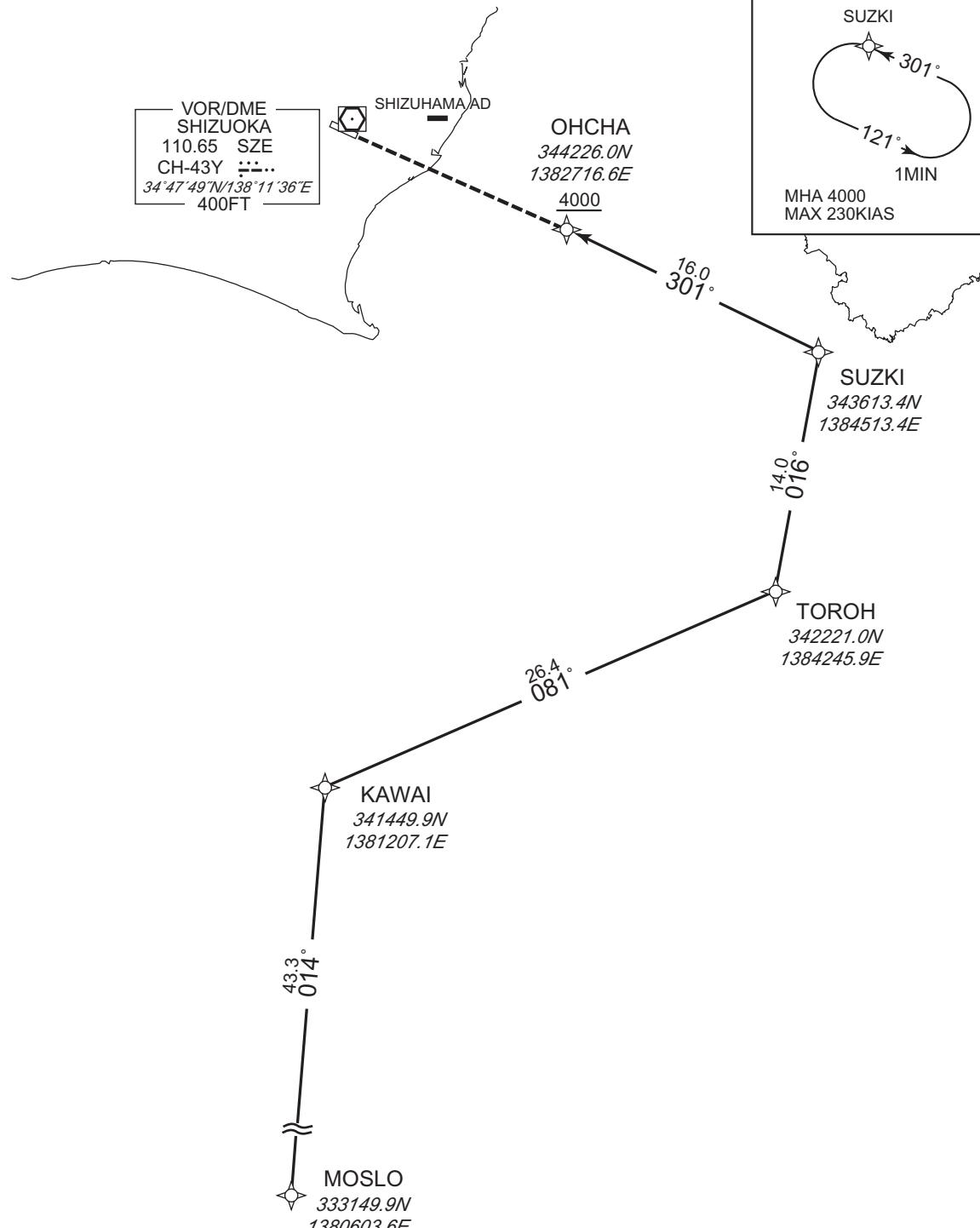
RNAV STAR

MOSLO ARRIVAL

RNP1

Note GNSS required.

VAR 8°W (2022)



STANDARD ARRIVAL CHART- INSTRUMENT

RJNS / SHIZUOKA

RNAV STAR

From MOSLO, to KAWAI, to TOROH, to SUZKI, to OHCHA at or above 4000FT.

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	MOSLO	-	-	-7.7	-	-	-	-	-	RNP1
002	TF	KAWAI	-	014 (006.6)	-7.7	43.3	-	-	-	-	RNP1
003	TF	TOROH	-	081 (073.3)	-7.7	26.4	-	-	-	-	RNP1
004	TF	SUZKI	-	016 (008.3)	-7.7	14.0	-	-	-	-	RNP1
005	TF	OHCHA	-	301 (292.9)	-7.7	16.0	-	+4000	-	-	RNP1

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	SUZKI	301 (292.9)	-7.7	1.0(-14000)	L	4000	FL140	-230(-14000)	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

INSTRUMENT APPROACH CHART

RJNS / SHIZUOKA

ILS Z or LOC Z RWY30

TOKYO CONTROL
123.7 – 134.15
315.9 – 227.3

ILS - LOC
109.3 ISZ
ILS - GP 332
ILS - DME CH-30X

SHIZUOKA RADIO
118.0 – 126.2

NO RADAR

VAR 8°W (2022)
MSA 25NM • 2898

EQPT REQUIRED
DME
VOR

VOR/DME
SHIZUOKA
110.65 SZE
CH-43Y
34°47'49"N/138°11'36"E

WIND
090° 3100 3400 2015 2169

HDG 300°
HDG 116°

R161

300°
300°
300°
120°

D20.0 SZE ARC

MAX 230KIAS
MHA 4000

KAMRU(FAF) : 344434.84N/1382052.69E

NM to ISZ	MAPt	1	2	3	4	5	6	7	FAF
ALT (3.0° APCH Path)	-	729	1048	1367	1685	2004	2322	2641	2941

MISSSED APPROACH
Climb to 1200FT on HDG300°, turn left HDG116° to intercept and proceed via SZE R161, via SZE 14.0DME counterclockwise ARC to OHCHA and hold at 4000FT.

Contact SHIZUOKA RADIO.
Timing not authorized for defining the MAPt

DME to ISZ
0.2 0.6 0.8 7.9 13.6

NM to THR
0 0.5 0.7 7.8 13.4

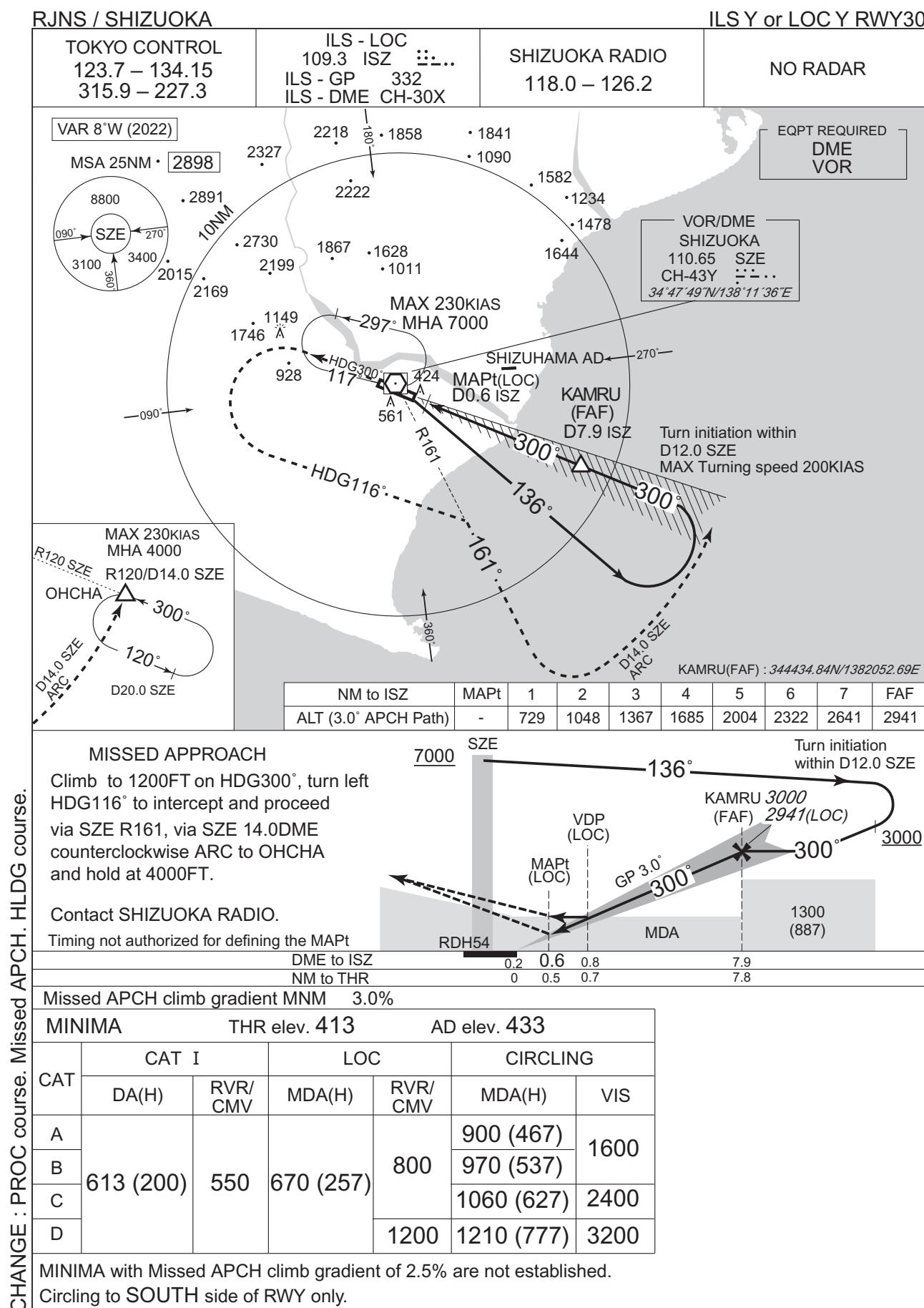
Missed APCH climb gradient MNM 3.0%

MINIMA		THR elev. 413	AD elev. 433			
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS

A	613 (200)	550	670 (257)	800	900 (467)	1600
B					970 (537)	
C					1060 (627)	
D				1200	1210 (777)	3200

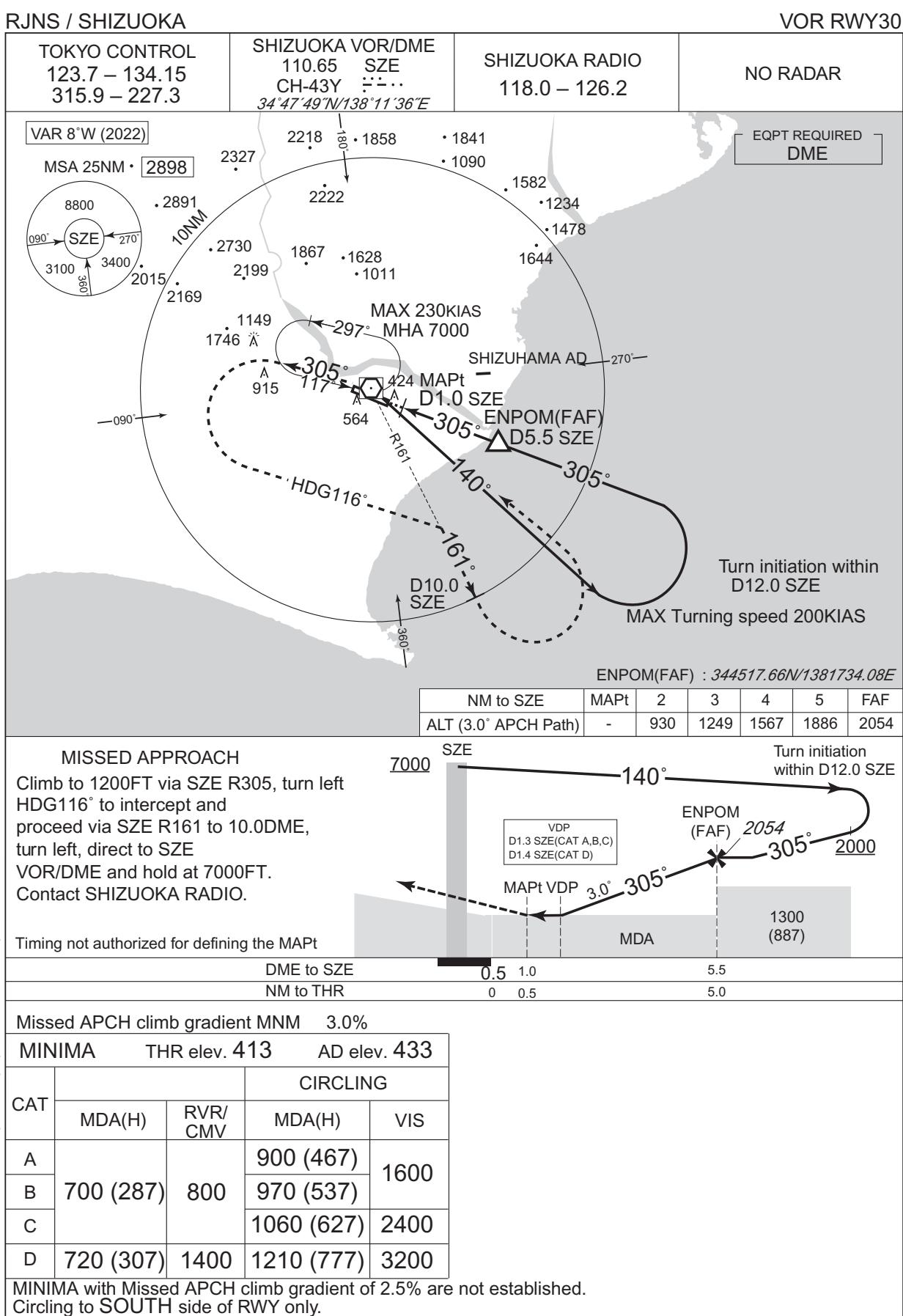
MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to SOUTH side of RWY only.

INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

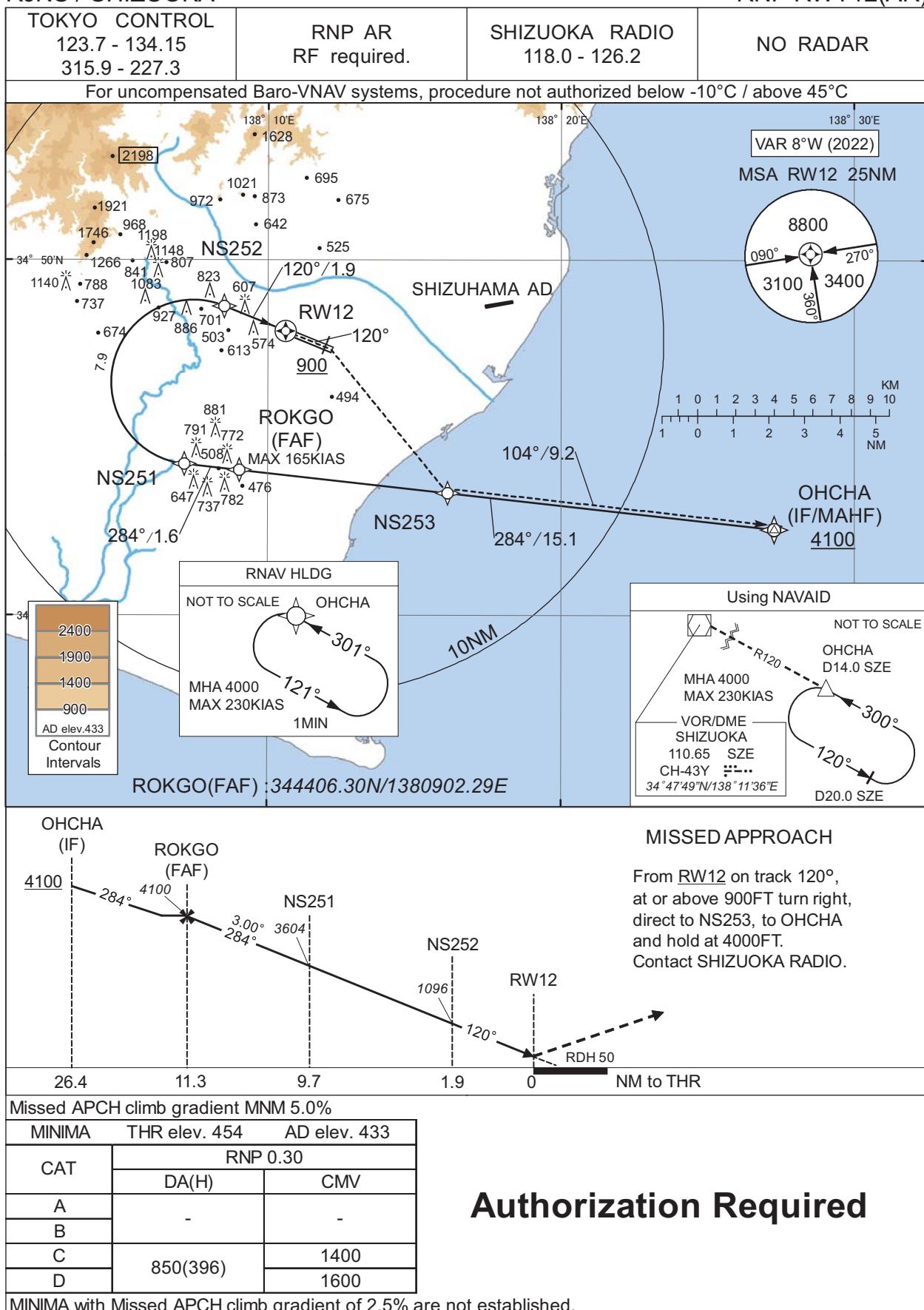
CHANGE : VAR. PROC course. ENPOM established. Missed APCH. HLDG course. ALT(3.0°APCH Path). MAPt. VDP established.
MINIMA(MDA(H),RVR/CMV).



INSTRUMENT APPROACH CHART

RJNS / SHIZUOKA

RNP RWY12(AR)



Authorization Required

INSTRUMENT APPROACH CHART

RJNS / SHIZUOKA

RNP RWY12(AR)

Coding Table

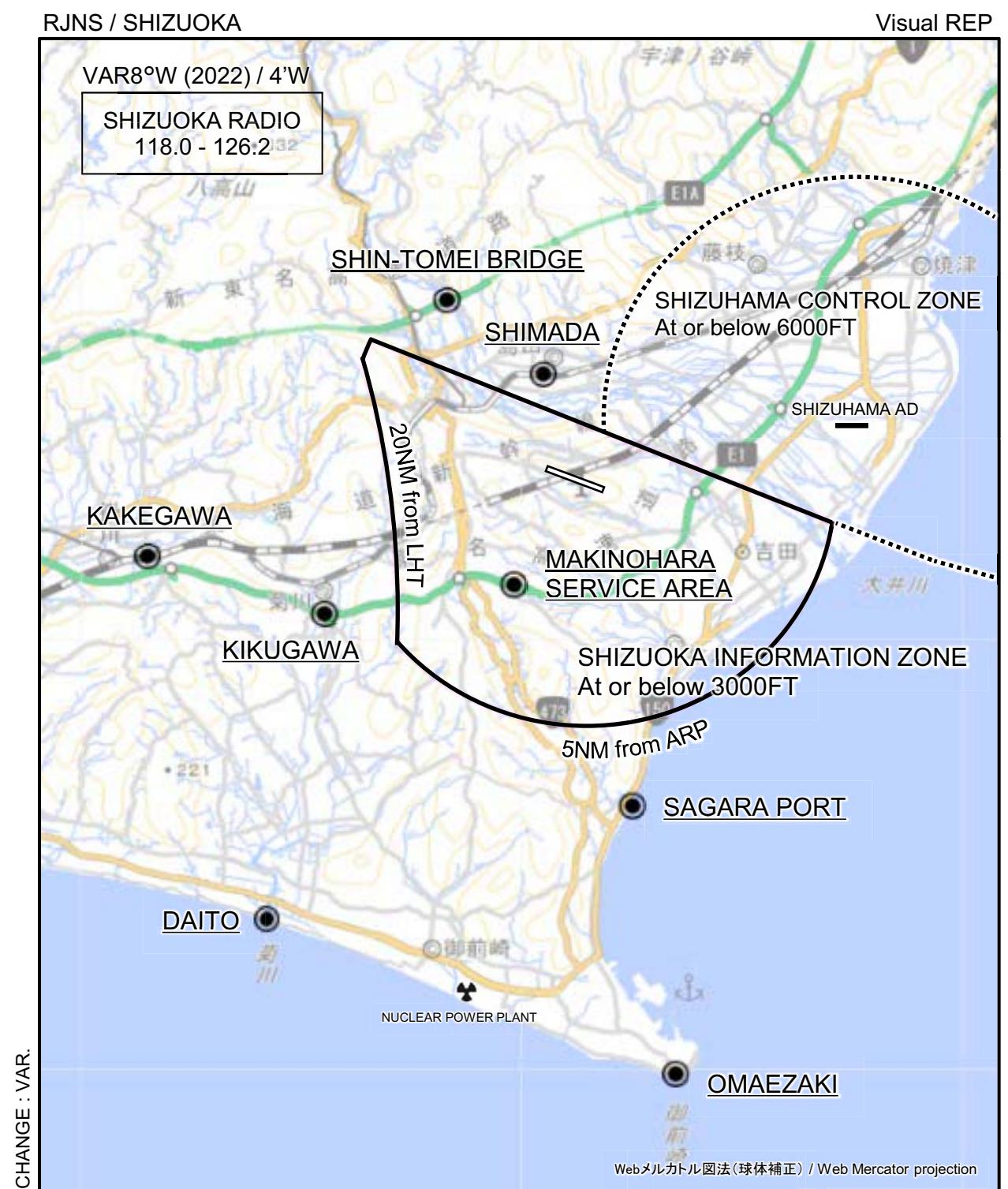
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/ RDH (°/FT)	RNP Value
001	IF	OHCHA	—	—	-7.7	—	—	+4100	—	—	—
002	TF	ROKGO	—	284 (276.5)	-7.7	15.1	—	4100	-165	—	1.0
003	TF	NS251	—	284 (276.3)	-7.7	1.6	—	3604	—	-3.00	0.3
004	RF Center: NSRF1 r=2.31NM	NS252	—	—	-7.7	7.9	R	1096	—	-3.00	0.3
005	TF	RW12	Y	120 (112.1)	-7.7	1.9	—	504	—	-300/50	0.3
006	FA	—	—	120 (112.1)	-7.7	—	—	+900	—	—	1.0
007	DF	NS253	—	—	-7.7	—	R	—	—	—	1.0
008	TF	OHCHA	—	104 (096.3)	-7.7	9.2	—	4000	—	—	1.0

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	RNP Value
Hold	OHCHA	301 (292.8)	-7.7	1.0(-14000)	L	4000	FL140	-230(-14000)	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
OHCHA	344225.96N/1382716.61E	NSRF1	344634.15N/1380727.94E
ROKGO	344406.30N/1380902.29E		
NS251	344416.46N/1380709.72E		
NS252	344842.61N/1380830.75E		
RW12	344800.73N/1381036.52E		
NS253	344327.55N/1381608.53E		

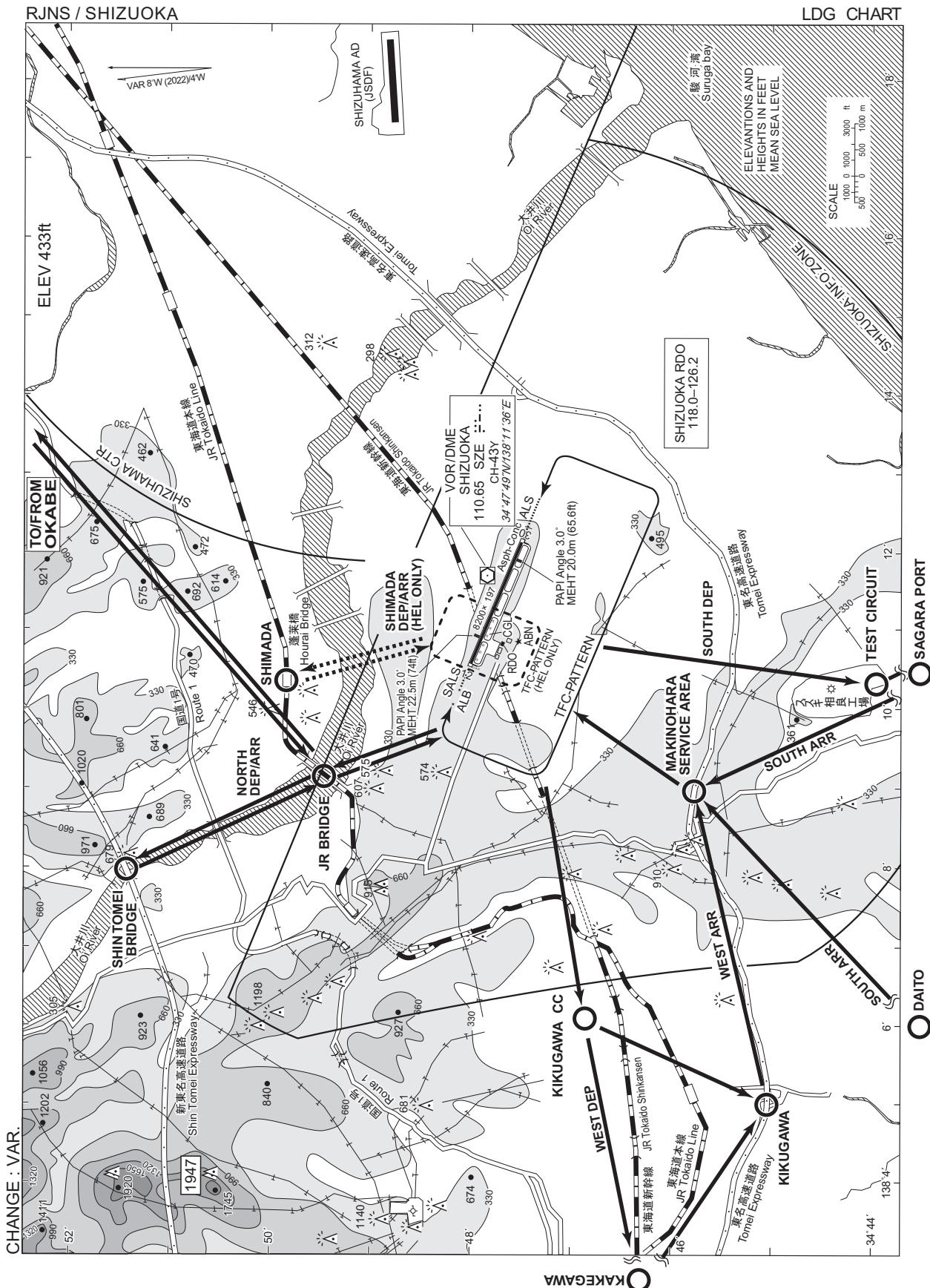
CHANGE : VAR. PROC course. RNAV HLDG established(OHCHA).



RJNS / SHIZUOKA

Visual REP

Call sign	BRG / DIST from ARP	Remarks
島田 Simada	337°T/ 2.4NM	島田駅 JR station
新東名ブリッジ Shin Tomei Bridge	323°T/ 4.7NM	大井川上空 橋 (新東名高速道路) The bridge over OHI-GAWA river (Shin TOMEI Expressway)
掛川 Kakegawa	261°T/ 8.9NM	掛川駅 JR station
菊川 Kikugawa	245°T/ 5.8NM	菊川インターチェンジ Interchange
大東 Daito	216°T/10.9NM	菊川河口 KIKU-GAWA river mouth
牧之原サービスエリア Makino hara Service Area	213°T/ 2.6NM	高速道路サービスエリア Rest area on TOMEI Expressway
御前崎 Omaezaki	172°T/11.8NM	灯台 Light house
相良ポート Sagara Port	172°T/ 6.4NM	港 Port



静岡空港における標準VFR発着経路及び場周経路について

静岡空港を出発／到着するVFRによる航空機は、隣接する静浜飛行場の航空機との輻輳を避けるため、安全上やむを得ない場合を除き、下記のルートを飛行すること。
また、場周経路は、回転翼航空機を除き、原則として南側を使用すること。
回転翼航空機が北側の場周経路を使用する場合は、静浜管制圏に入域しないよう留意すること。

1. NORTH DEPARTURE/ARRIVAL

静岡空港の北側への出発は（滑走路12側からの出発は、右旋回）、JR東海道在来線の橋梁を経由し、SHIMADA又はSHIN TOMEI BRIDGEへ飛行すること。

静岡空港の北側からの到着は、SHIMADA又はSHIN TOMEI BRIDGEからJR東海道在来線の橋梁を経由し、南側場周経路へ飛行すること。

なお、SHIMADA上空の通過高度は、1,500フィートとすること。

2. SHIMADA DEPARTURE/ARRIVAL(FOR HELICOPTER)

回転翼航空機が北側場周経路を使用する場合は、蓬莱橋（木製）の西側を経由してSHIMADAへ若しくはSHIMADAから飛行すること。

北側場周経路は、滑走路中心線から1km以内とし、誘導路T5真横の滑走路上に着陸するように場周経路を設定すること。

なお、SHIMADA上空の通過高度は、1,500フィートとすること。

3. SOUTH DEPARTURE/ARRIVAL

静岡空港の南側への出発は、スズキ自動車テストコースの南端を経由し、SAGARA PORT又はDAITOへ飛行すること。

静岡空港の南側からの到着は、SAGARA PORT又はDAITOからMAKINOHARA SERVICE AREAを経由して南側場周経路へ飛行すること。

なお、MAKINOHARA SERVICE AREA上空の通過高度は、1,700フィートとすること。

4. WEST DEPARTURE/ARRIVAL

静岡空港の西側への出発は、東海道新幹線沿いに西側へ飛行し、菊川カントリークラブを経由しKIKUGAWA 又はKAKEGAWA へ飛行すること。

静岡空港の西側からの到着は、KIKUGAWA又はKAKEGAWA から東名高速道路沿いに飛行し、MAKINOHARA SERVICE AREAを経由して南側場周経路へ飛行すること。

なお、MAKINOHARA SERVICE AREA上空の通過高度は、1,700フィートとすること。

RJNS / SHIZUOKA

LDG CHART

Standard VFR Procedures and Traffic Pattern of Shizuoka Airport

VFR Aircraft departing from/arriving at Shizuoka Airport is primarily requested to fly as follows due to avoid congestion with traffic of Shizuhama AD.

VFR Aircraft should make using South-traffic pattern except Helicopter.

When Helicopter make using North-traffic pattern, it should pay enough attention to keep out of Shizuhama CTR.

1. NORTH DEPARTURE/ARRIVAL

In case of departing from Shizuoka Airport(Right turn after take-off from RWY 12) to North Side, VFR Aircraft is requested to fly to SHIMADA or SHIN TOMEI BRIDGE via the bridge of JR Tokaido Line.

In case of arriving at Shizuoka Airport from North Side, VFR Aircraft is requested to fly from SHIMADA or SHIN TOMEI BRIDGE via the bridge of JR Tokaido Line then proceed to South-Traffic pattern.

Cross SHIMADA at 1,500 feet.

2. SHIMADA DEPARTURE/ARRIVAL(for Helicopter)

When Helicopter make using North-traffic pattern, it is requested to fly to/from SHIMADA via West side of Horai Bridge(Wooden Bridge).

Cross SHIMADA at 1,500 feet.

Helicopter should land abeam T5 TWY on the RWY via North-traffic pattern(within 1 km from RWY Center Line).

3. SOUTH DEPARTURE/ARRIVAL

In case of departing from Shizuoka Airport to South Side, VFR Aircraft is requested to fly to SAGARA PORT or DAITO via south edge of testing circuit at Suzuki Motor CO Ltd.

In case of arriving at Shizuoka Airport from South Side, VFR Aircraft is requested to fly from SAGARA PORT or DAITO via MAKINOHARA SERVICE AREA.

Cross MAKINOHARA SERVICE AREA at 1,700 feet.

4. WEST DEPARTURE/ARRIVAL

In case of departing from Shizuoka Airport to West side, VFR aircraft is requested to fly westbound along Tokaido-Shinkansen to Kikugawa CC then proceed to KIKUGAWA or KAKEGAWA.

In case of arriving at Shizuoka Airport from West side, VFR aircraft is requested to fly along Tomei Expressway from KIKUGAWA or KAKEGAWA via MAKINOHARA SERVICE AREA.

Cross MAKINOHARA SERVICE AREA at 1,700 feet.

RJNS / SHIZUOKA

Minimum Vectoring Altitude CHART

