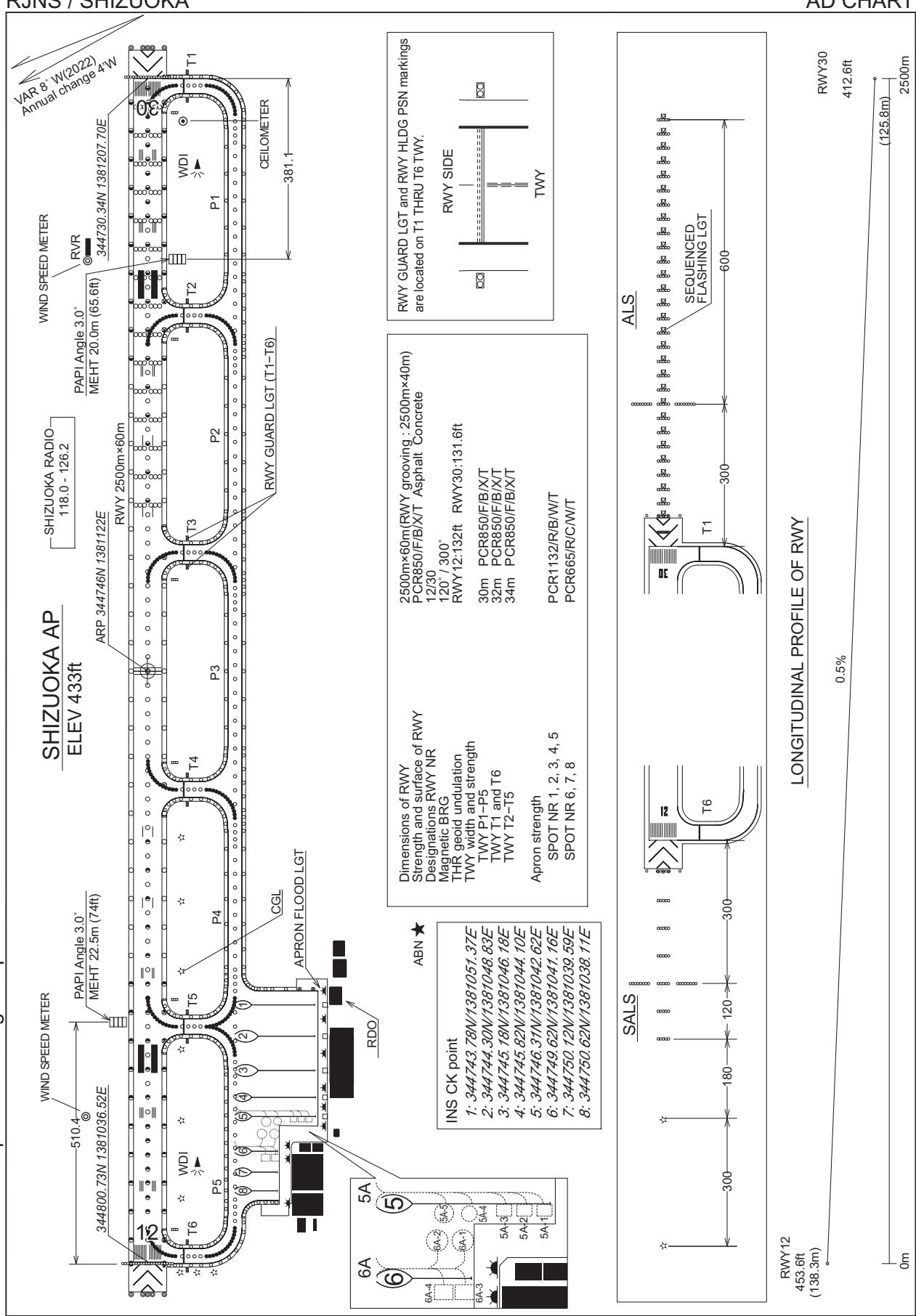


CHANGE : Description of strength of pavement.



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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°...

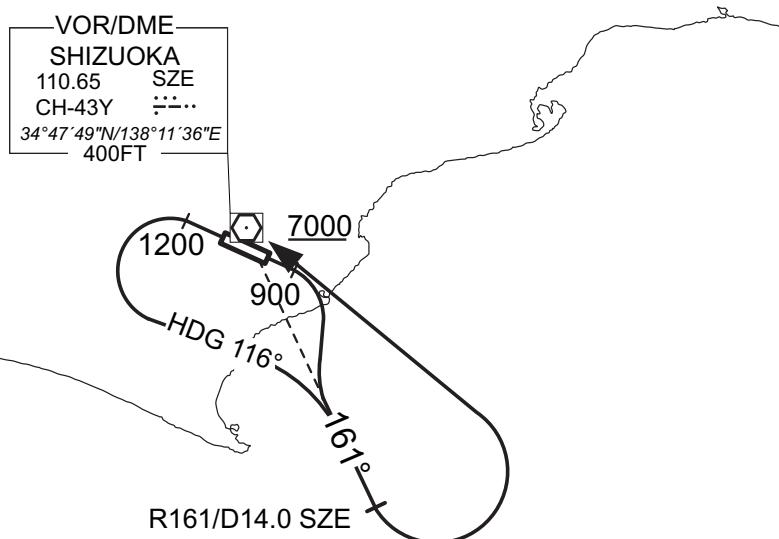
... to intercept and proceed via SZE R161 to 14.0DME, turn left direct to SZE VOR/DME.

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

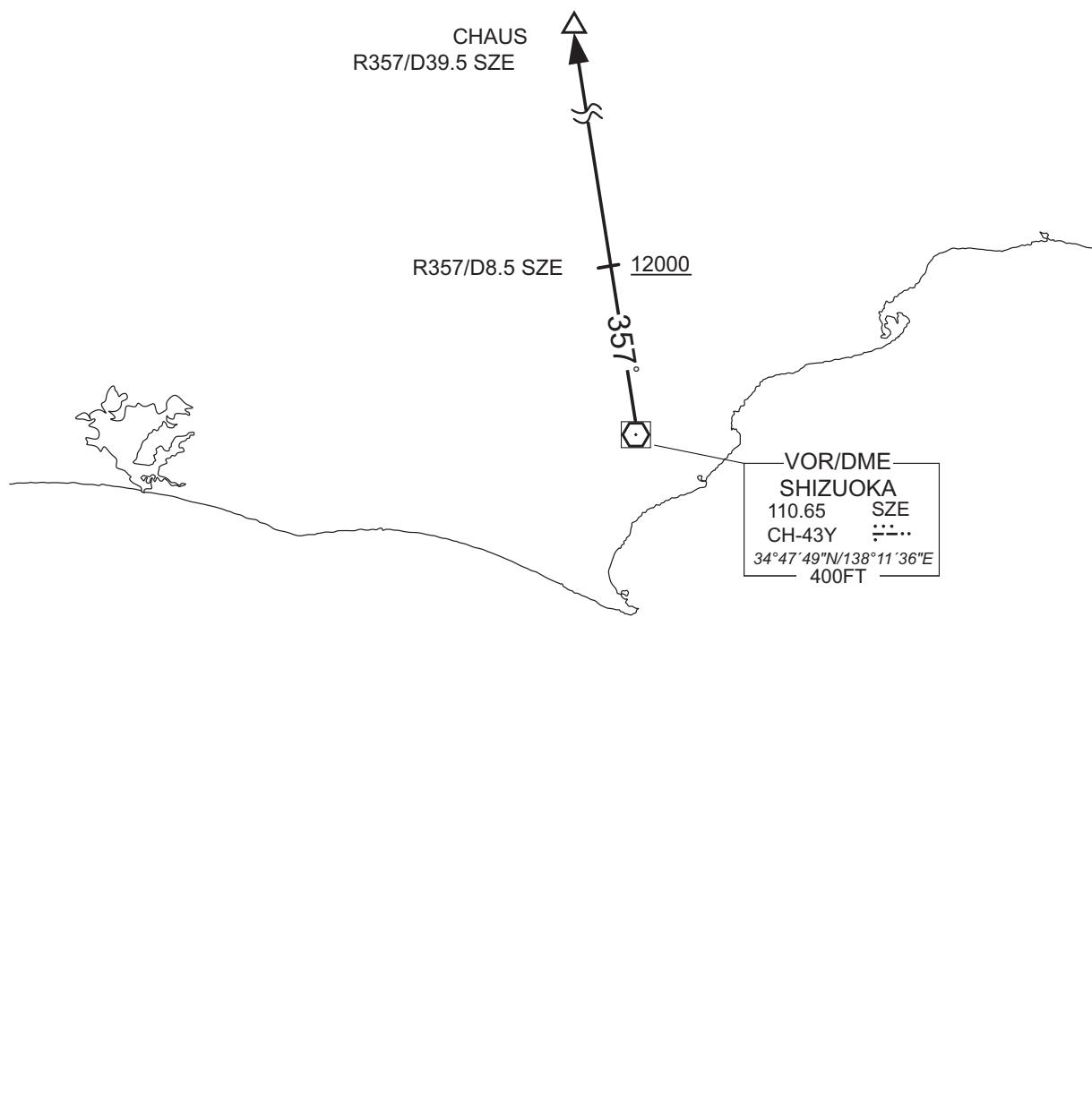
RJNS / SHIZUOKA

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

NOTE GNSS required.

VAR 8°W (2022)

KANZA TRANSITION

KANZA
345609.2N
1280028.8E

VOR/DME
SHIZUOKA
110.65 SZE
CH-43Y 
34°47'49"N/138°11'36"E
100FT

GAKKI
344452.3N
1374050.4E

GAKKI TRANSITION

FUJIK THREE DEPARTURE

NS301
342900.8N

1382012.8E

FUJIK THREE DEPARTMENT

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

RWY30 : Climb on HDG300° at or above 1200FT, turn left direct to ONMAE, to NS301, to NS302, to NS303, to EUJIK 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 EUJIK to SZE to KANZA at or above 12000FT to CHAUS at or above FL 150

CAKKI TRANSITION

From ELLIJK to GAKKI

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

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

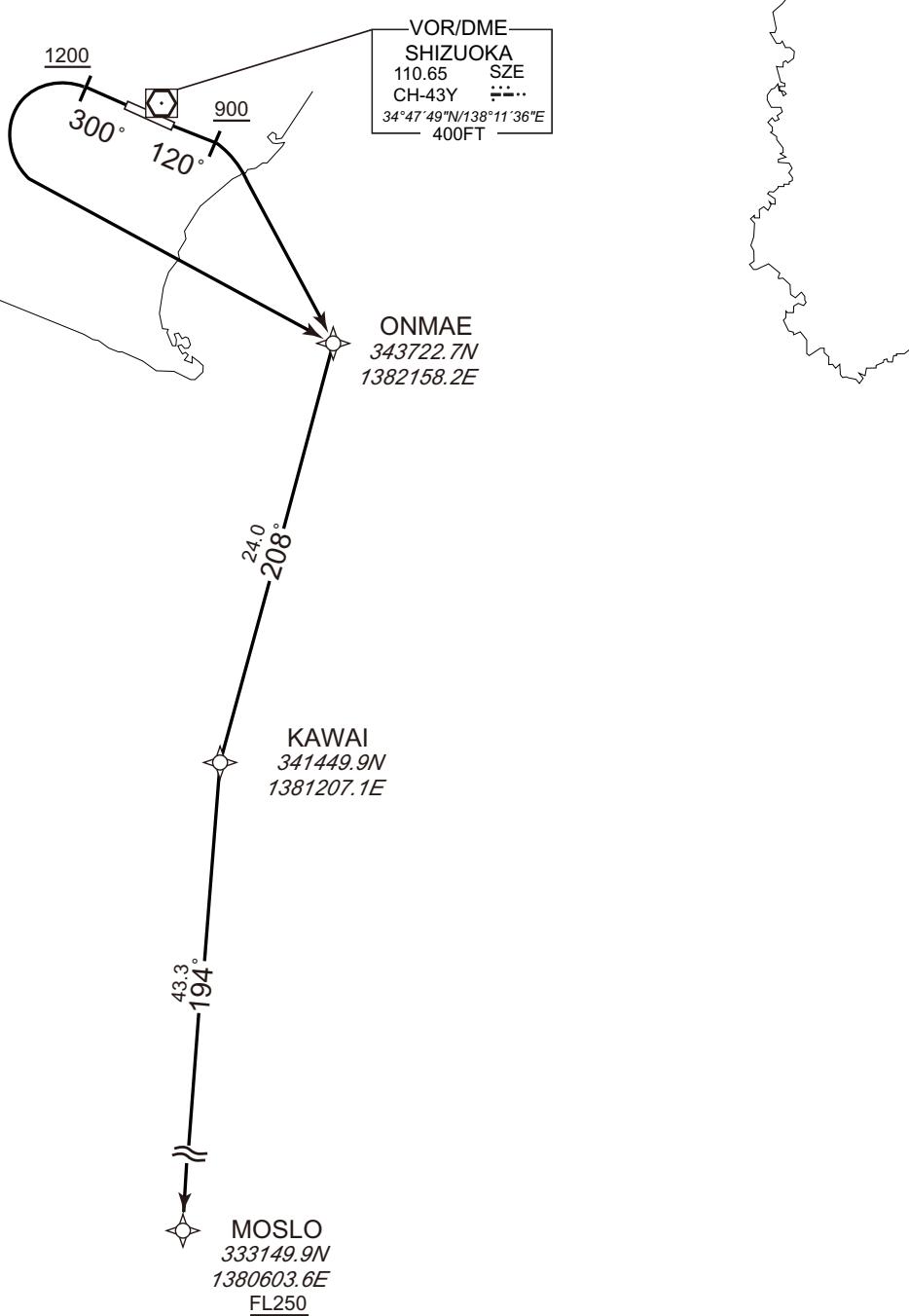
RNAV SID

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

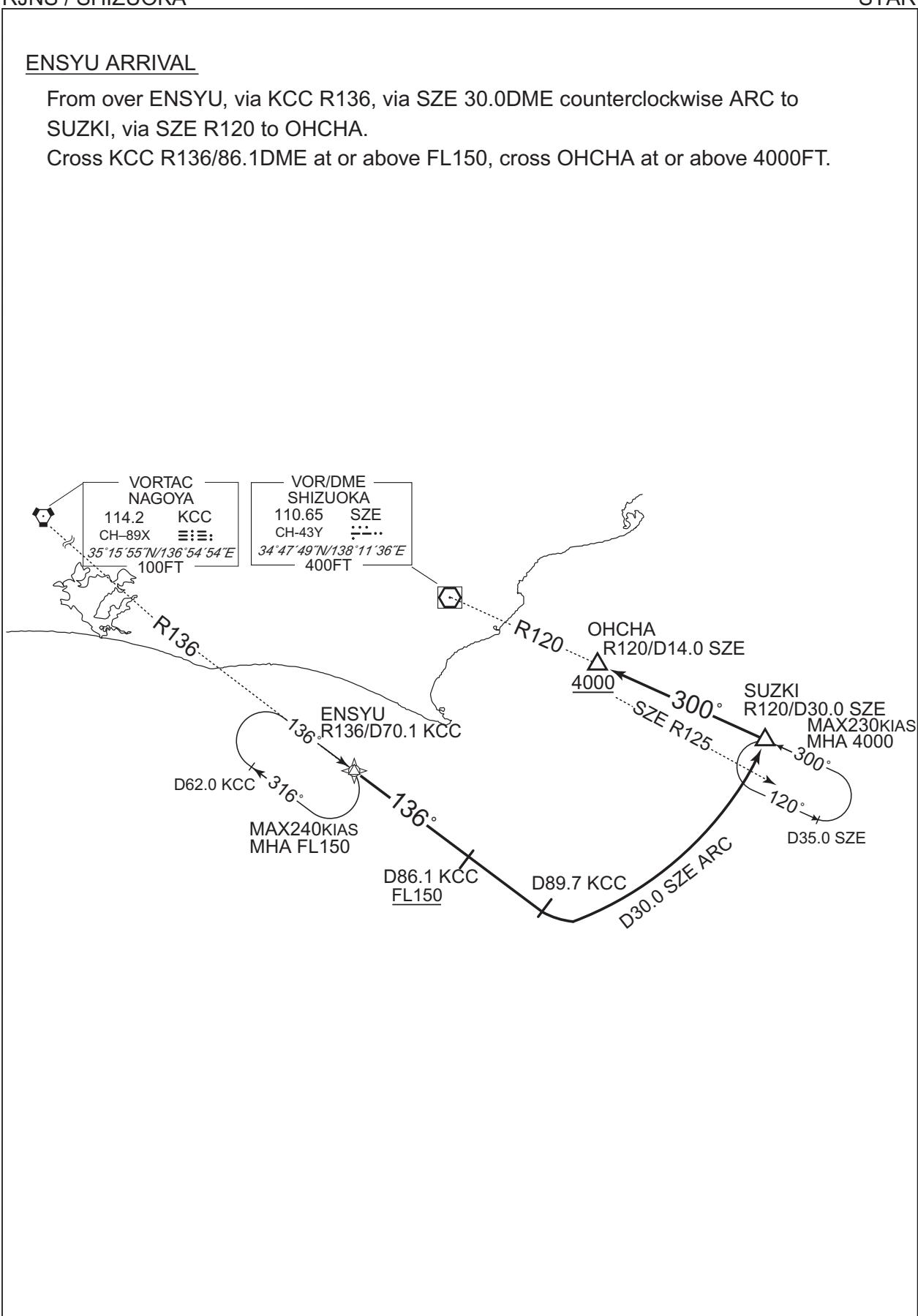
STAR

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

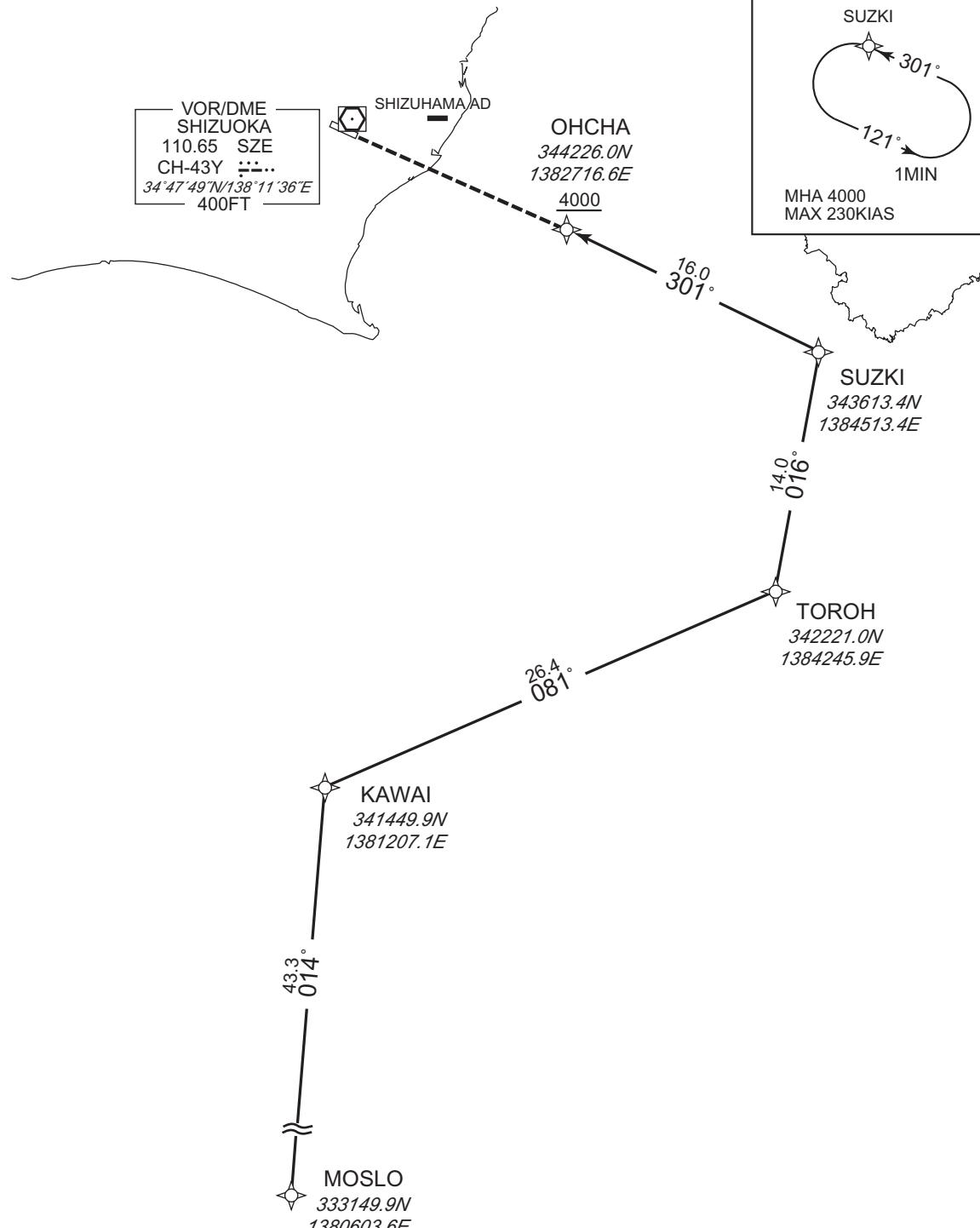
RNAV STAR

MOSLO ARRIVAL

RNP1

Note GNSS required.

VAR 8°W (2022)



CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD ARRIVAL CHART- INSTRUMENT

RJNS / SHIZUOKA

RNAV STAR

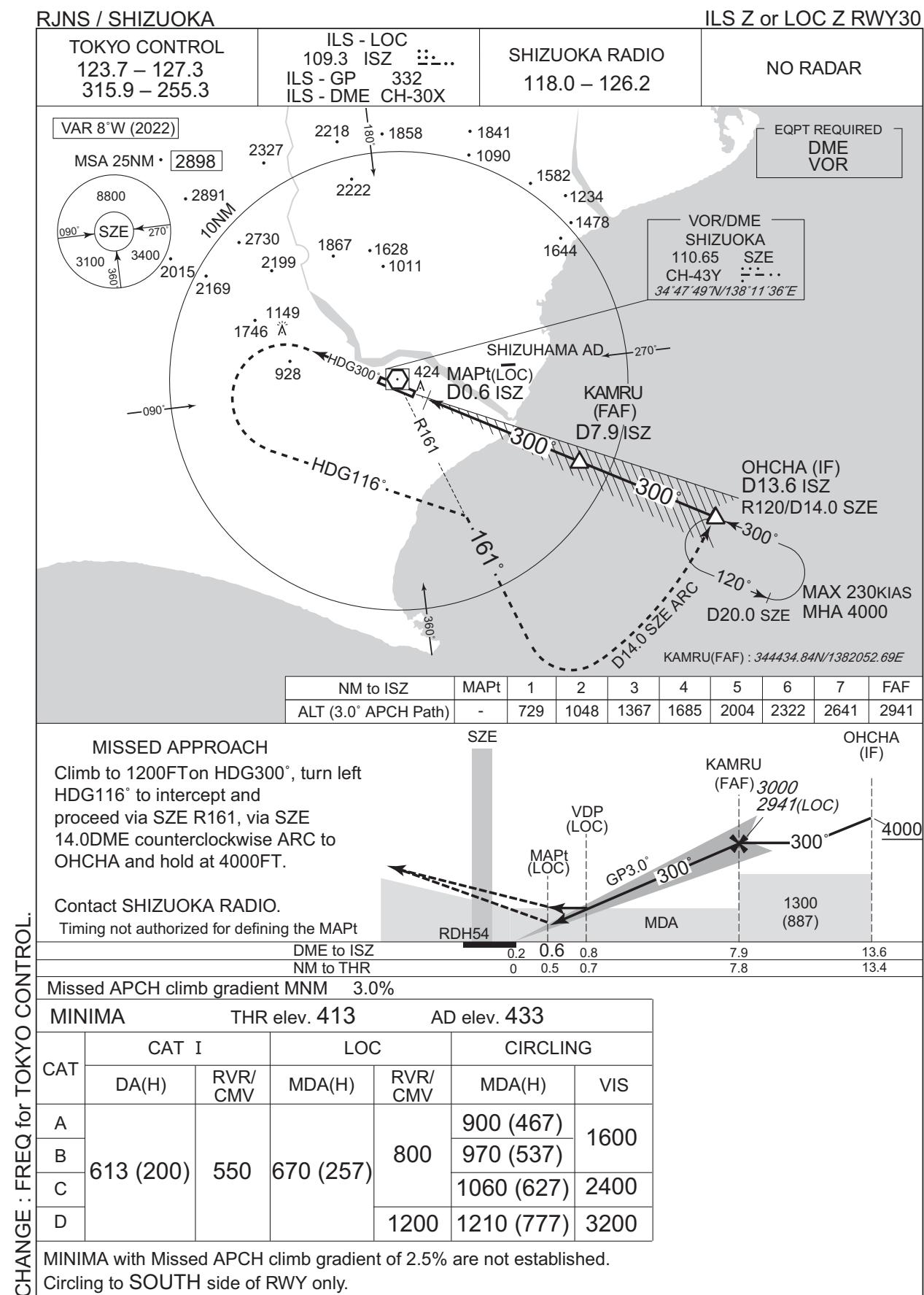
From MOSLO, to KAWAI, to TOROH, to SUZKI, to OHCHA at or above 4000FT.

| 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 |

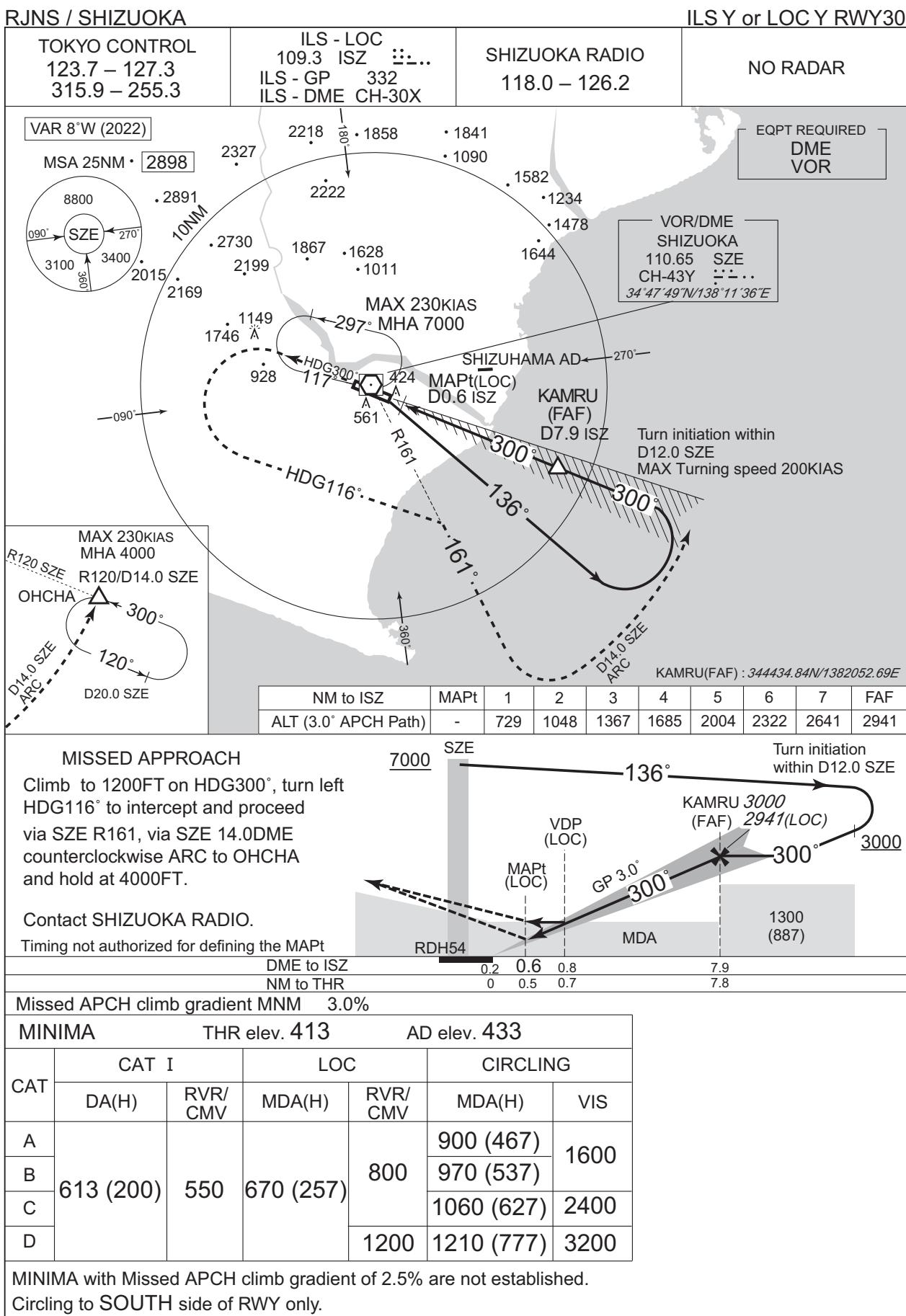
| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|---------------------|----------------|-----------------------|-----------------------|--------------|--------------------------|
| Hold | SUZKI | 301 (292.9) | -7.7 | 1.0(-14000) | L | 4000 | FL140 | -230(-14000) | RNP1 |

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

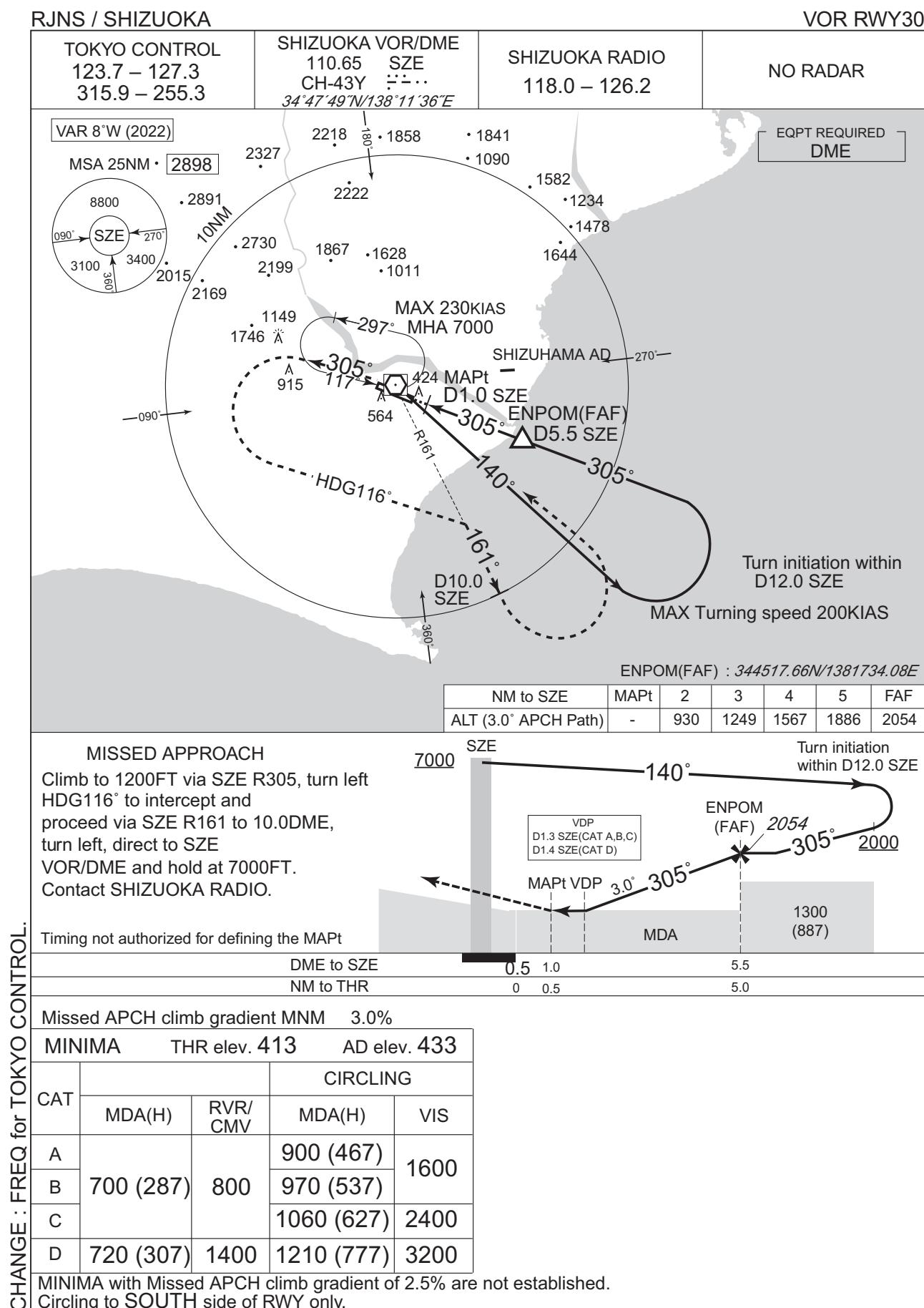
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJNS / SHIZUOKA

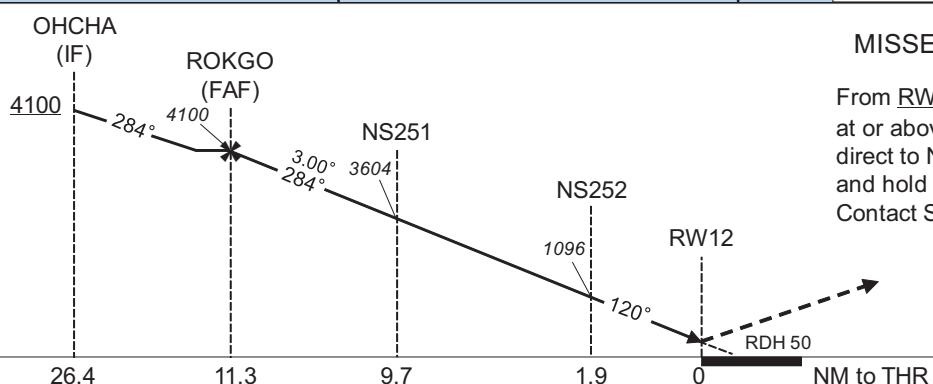
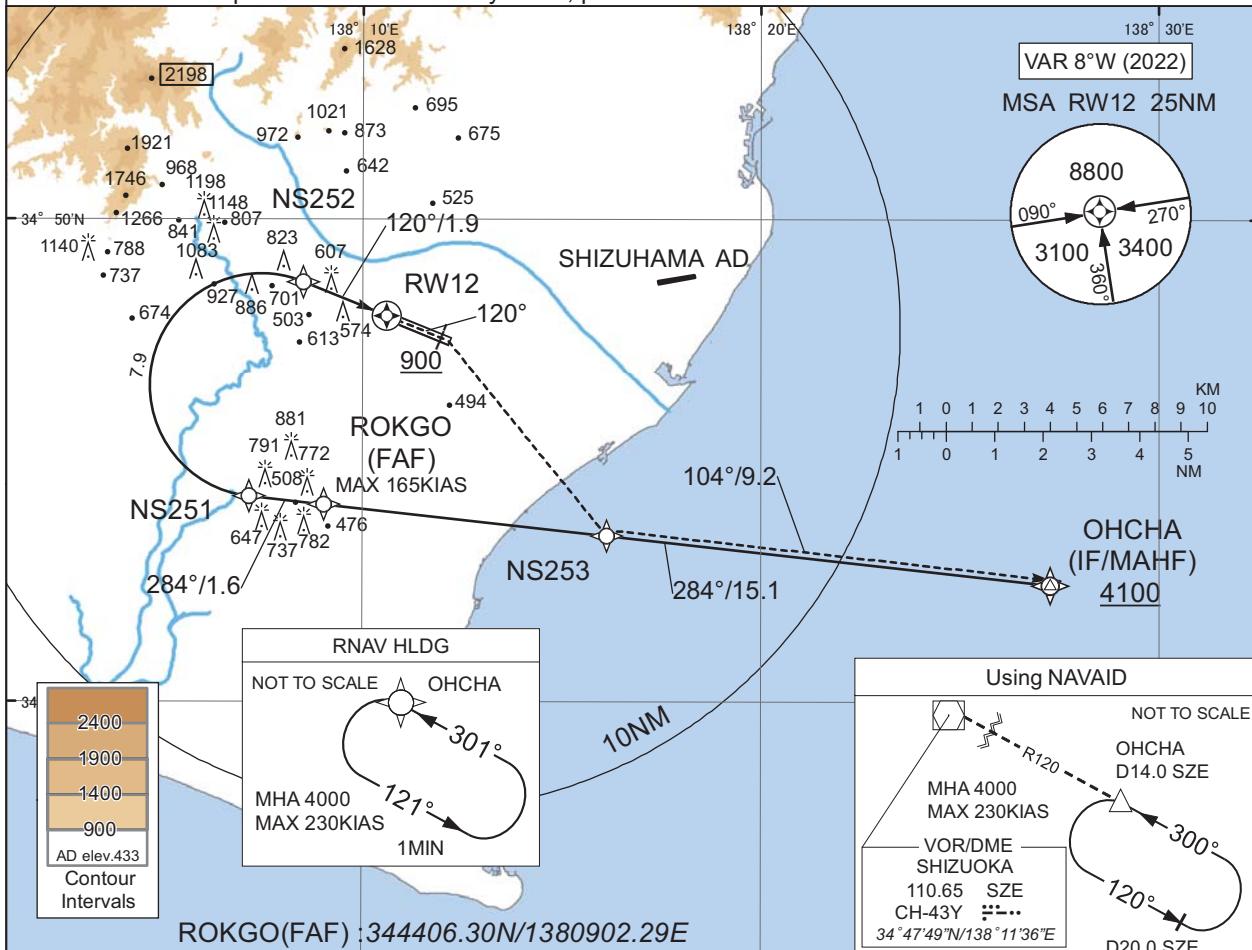
TOKYO CONTROL
123.7 - 127.3
315.9 - 255.3

RNP AR
RF required.

SHIZUOKA RADIO
118.0 - 126.2

RNP RWY12(AR)

For uncompensated Baro-VNAV systems, procedure not authorized below -10°C / above 45°C



MISSED APPROACH

From RW12 on track 120°, at or above 900FT turn right, direct to NS253, to OHCHA and hold at 4000FT. Contact SHIZUOKA RADIO.

Missed APCH climb gradient MNM 5.0%

| MINIMA | THR elev. 454 | AD elev. 433 |
|--------|---------------|--------------|
| CAT | RNP 0.30 | |
| | DA(H) | CMV |
| A | - | - |
| B | | |
| C | | 1400 |
| D | 850(396) | 1600 |

MINIMA with Missed APCH climb gradient of 2.5% are not established.

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

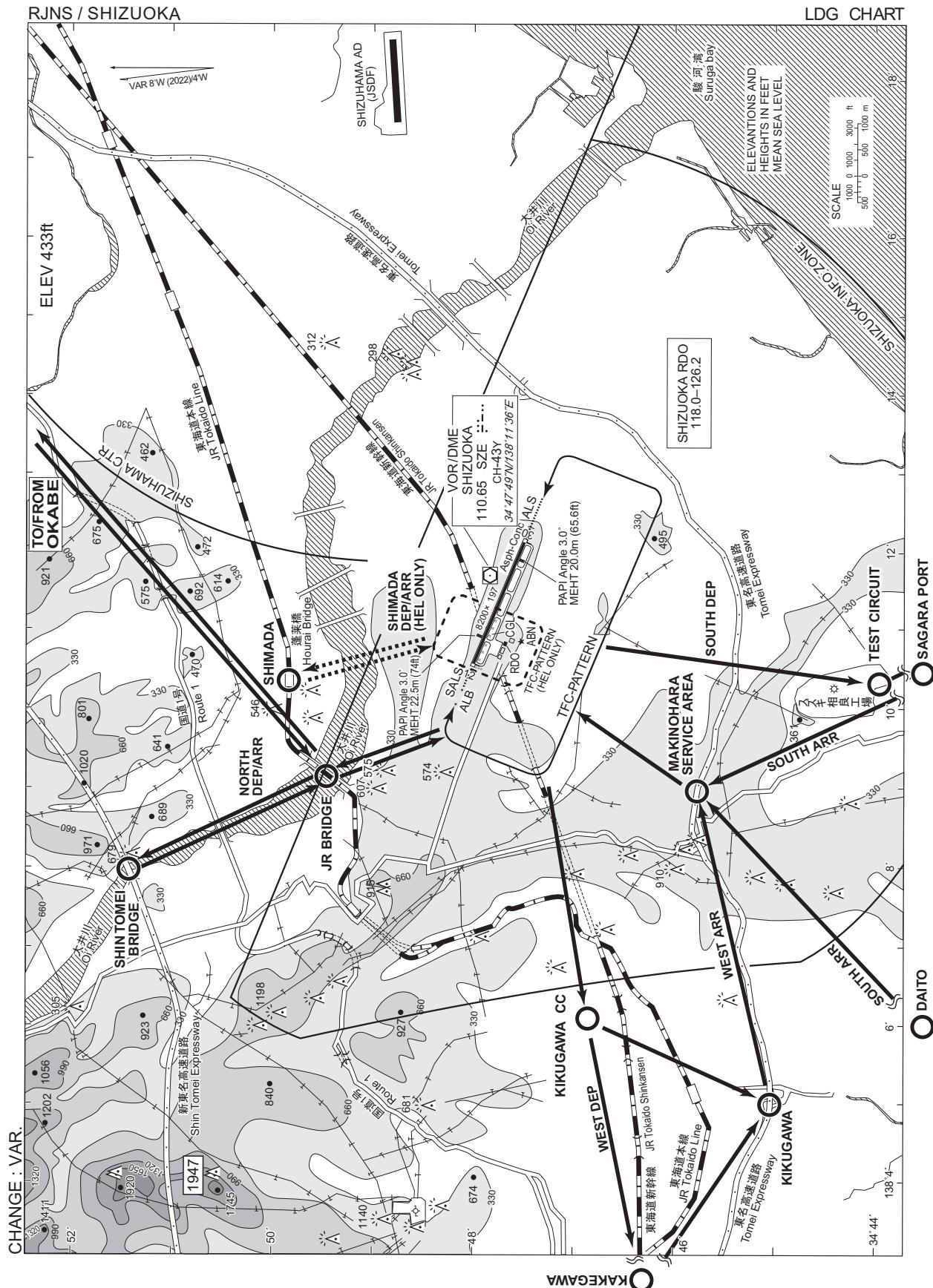
Visual REP



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

