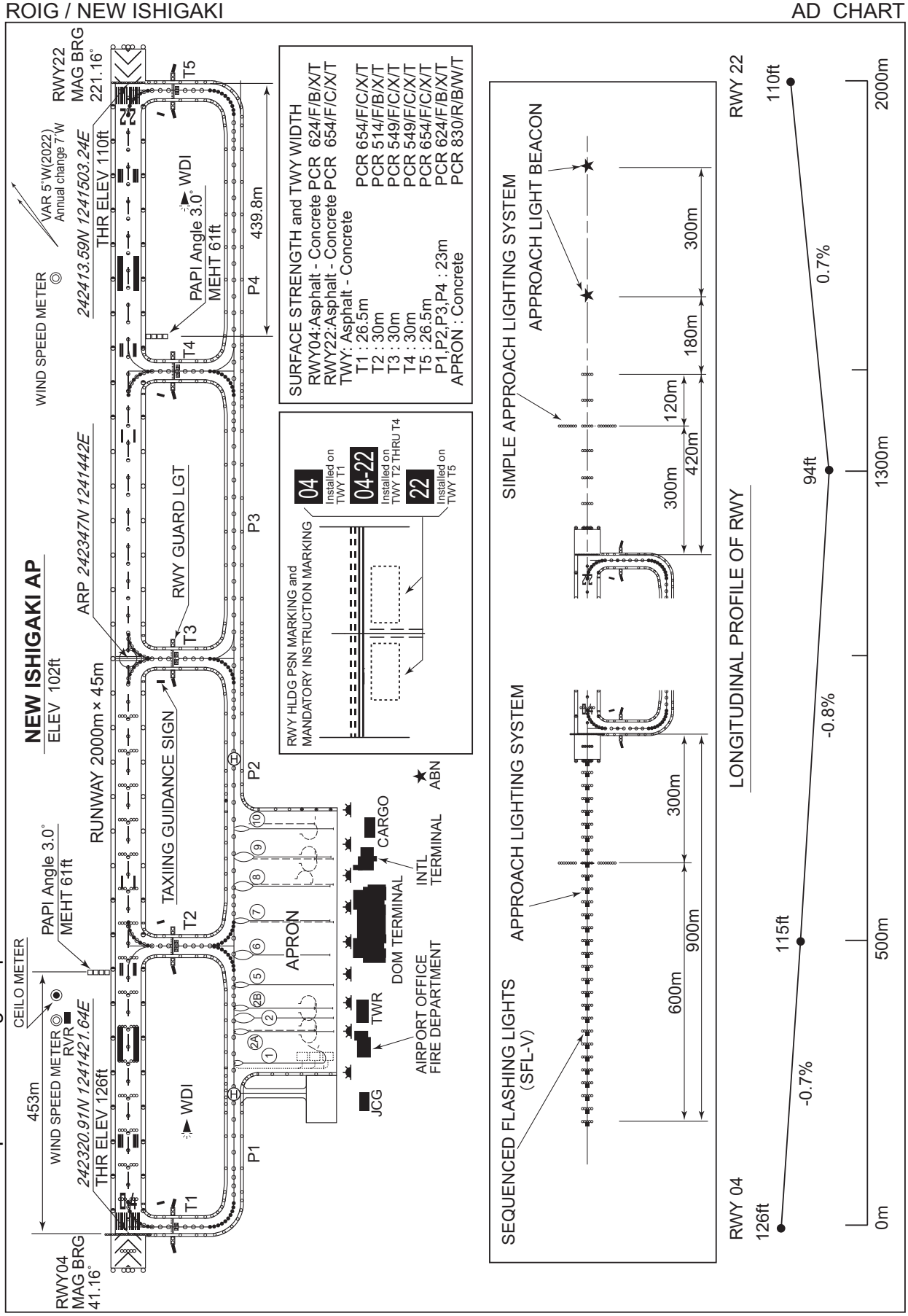
ROIG / NEW ISHIGAKI

AD CHART



CHANGE : Description of strength of pavement.

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STANDARD DEPARTURE CHART -INSTRUMENT

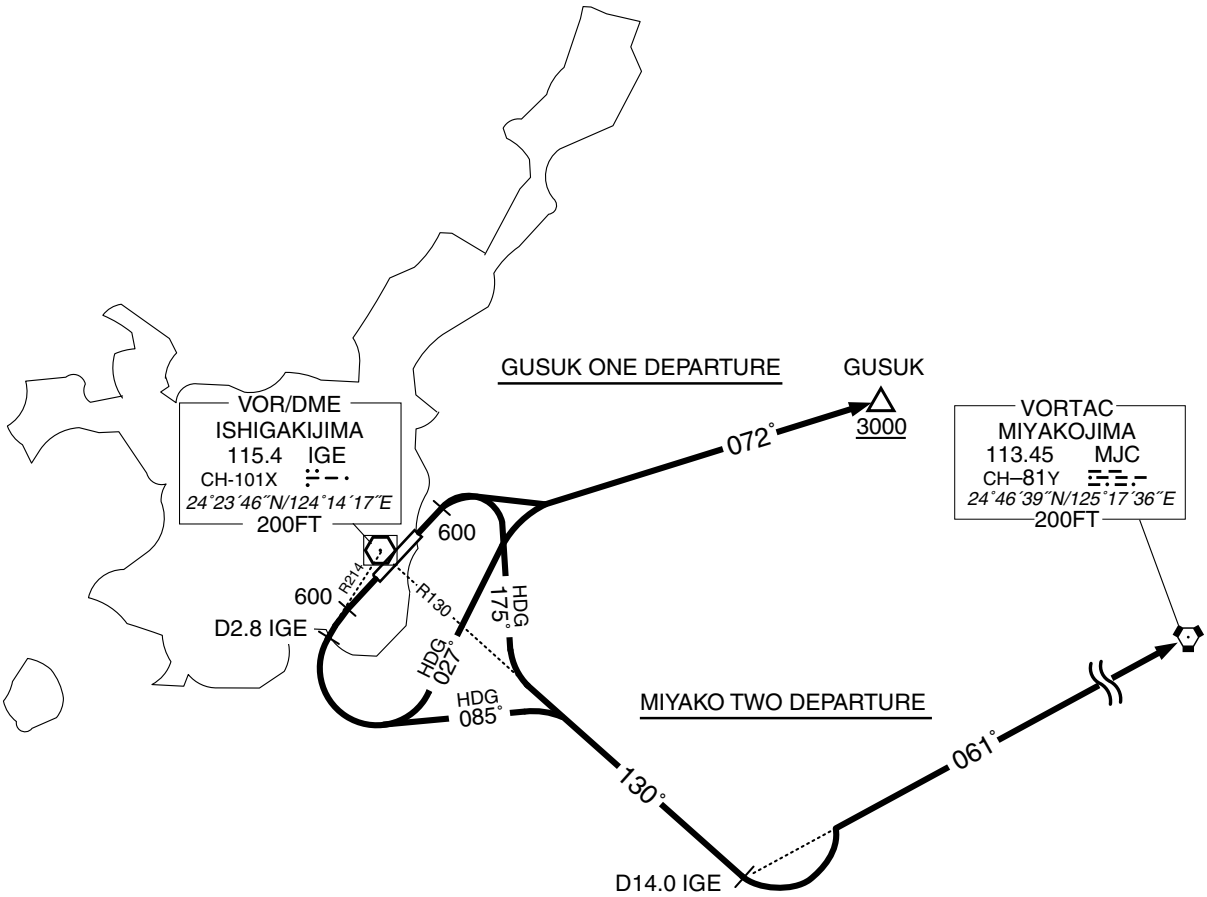
ROIG / NEW ISHIGAKI SID

GUSUK ONE DEPARTURE

RWY04 : Climb RWY HDG to 600FT, turn right,...
RWY22 : Climb RWY HDG to 600FT, via IGE R214 to IGE R214/2.8DME,turn left HDG027˚...
... to intercept and proceed via IGE R072 to GUSUK.
Cross GUSUK at or above 3000FT.

MIYAKO TWO DEPARTURE

RWY04 : Climb RWY HDG to 600FT, turn right HDG175˚...
RWY22 : Climb RWY HDG to 600FT, via IGE R214 to IGE R214/2.8DME,turn left HDG085˚...
... to intercept and proceed via IGE R130 to IGE 14.0DME, turn left, via MJC R241 to MJC VORTAC.



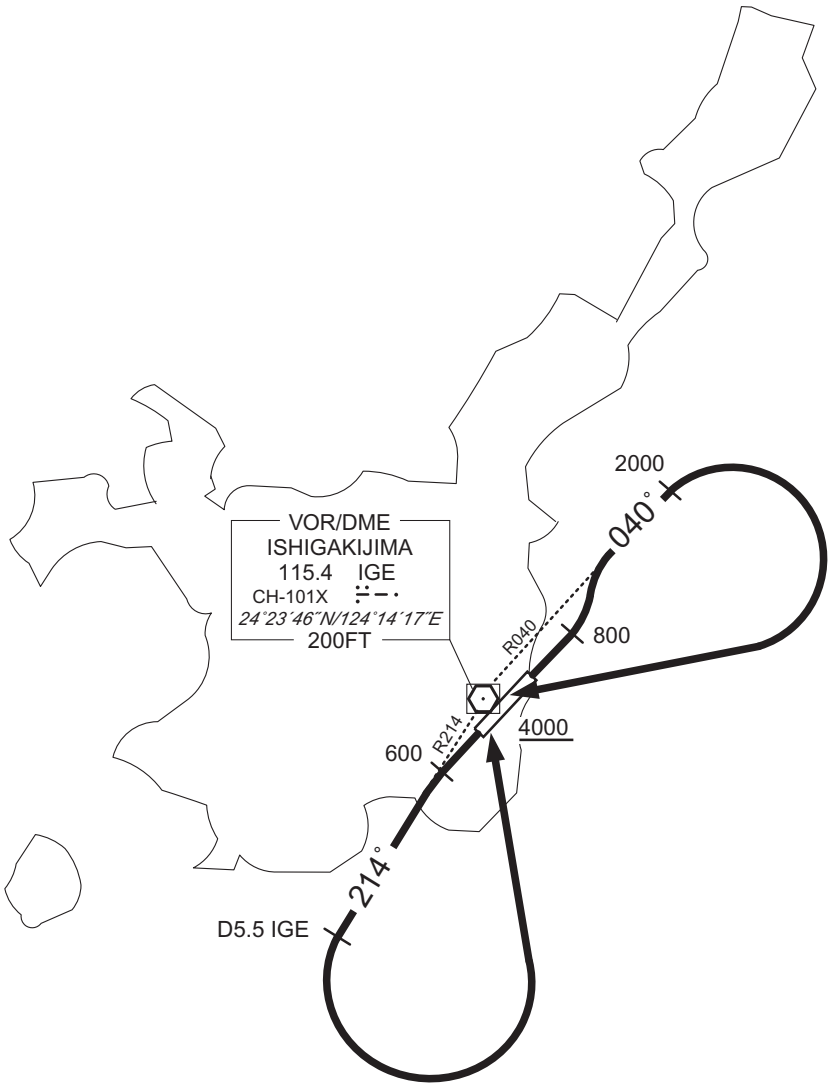
STANDARD DEPARTURE CHART -INSTRUMENT

ROIG / NEW ISHIGAKI SID

ISHIGAKI REVERSAL ONE DEPARTURE

RWY04 : Climb RWY HDG to 800FT, turn left to intercept and proceed via IGE R040 to 2000FT, turn right,direct to IGE VOR/DME.
Cross IGE VOR/DME at or above 4000FT.

RWY22 : Climb RWY HDG to 600FT,via IGE R214 to IGE R214/5.5DME,turn left, direct to IGE VOR/DME.
Cross IGE VOR/DME at or above 4000FT.



CHANGE : Description of PROC name.

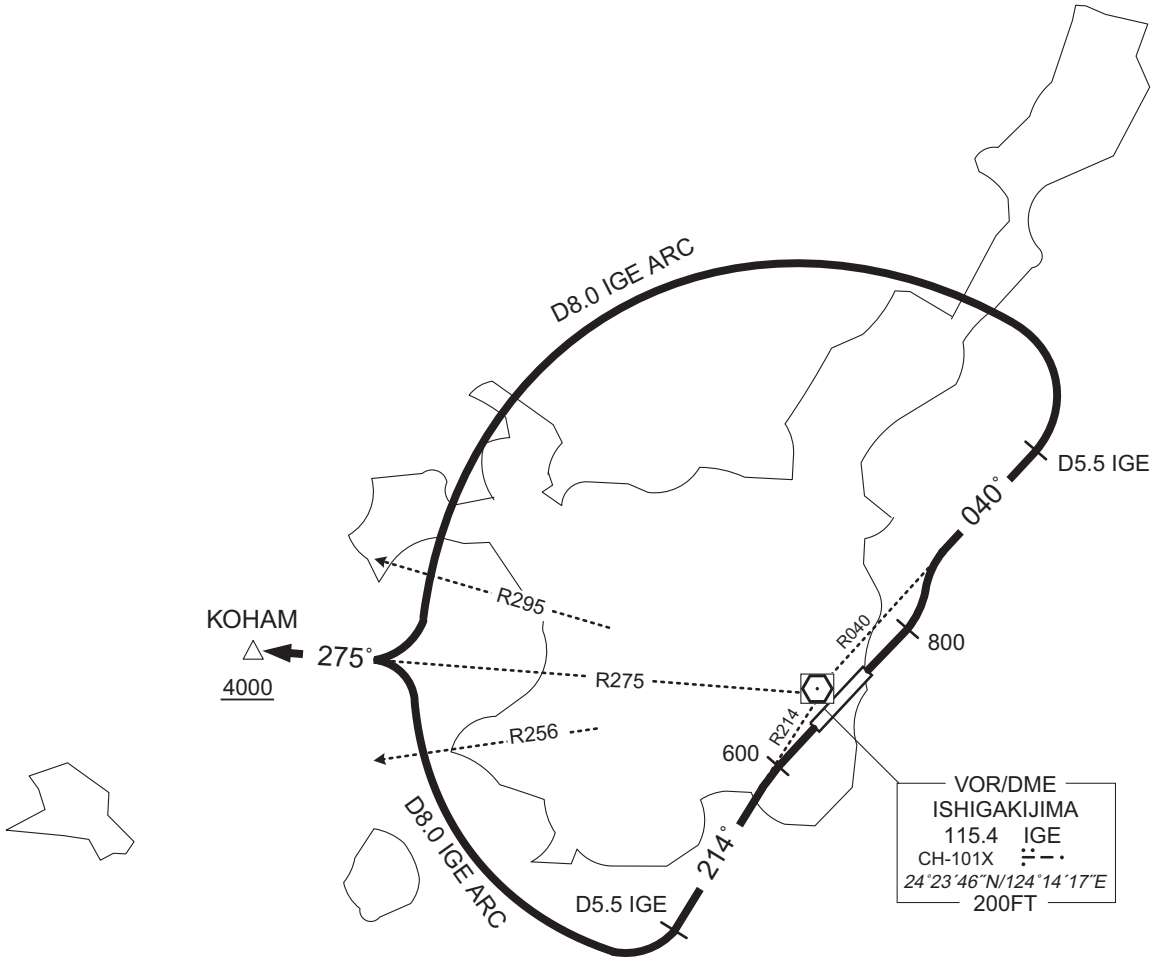
STANDARD DEPARTURE CHART -INSTRUMENT

ROIG / NEW ISHIGAKI SID

KOHAM ONE DEPARTURE

RWY04 : Climb RWY HDG to 800FT, turn left to intercept and proceed via IGE R040 to IGE R040/5.5DME, turn left, via IGE 8.0DME counterclockwise ARC,turn right to intercept and proceed via IGE R275 to KOHAM.
Cross KOHAM at or above 4000FT.

RWY22 : Climb RWY HDG to 600FT,via IGE R214 to IGE R214/5.5DME,turn right, via IGE 8.0DME clockwise ARC,turn left to intercept and proceed via IGE R275 to KOHAM.
Cross KOHAM at or above 4000FT.



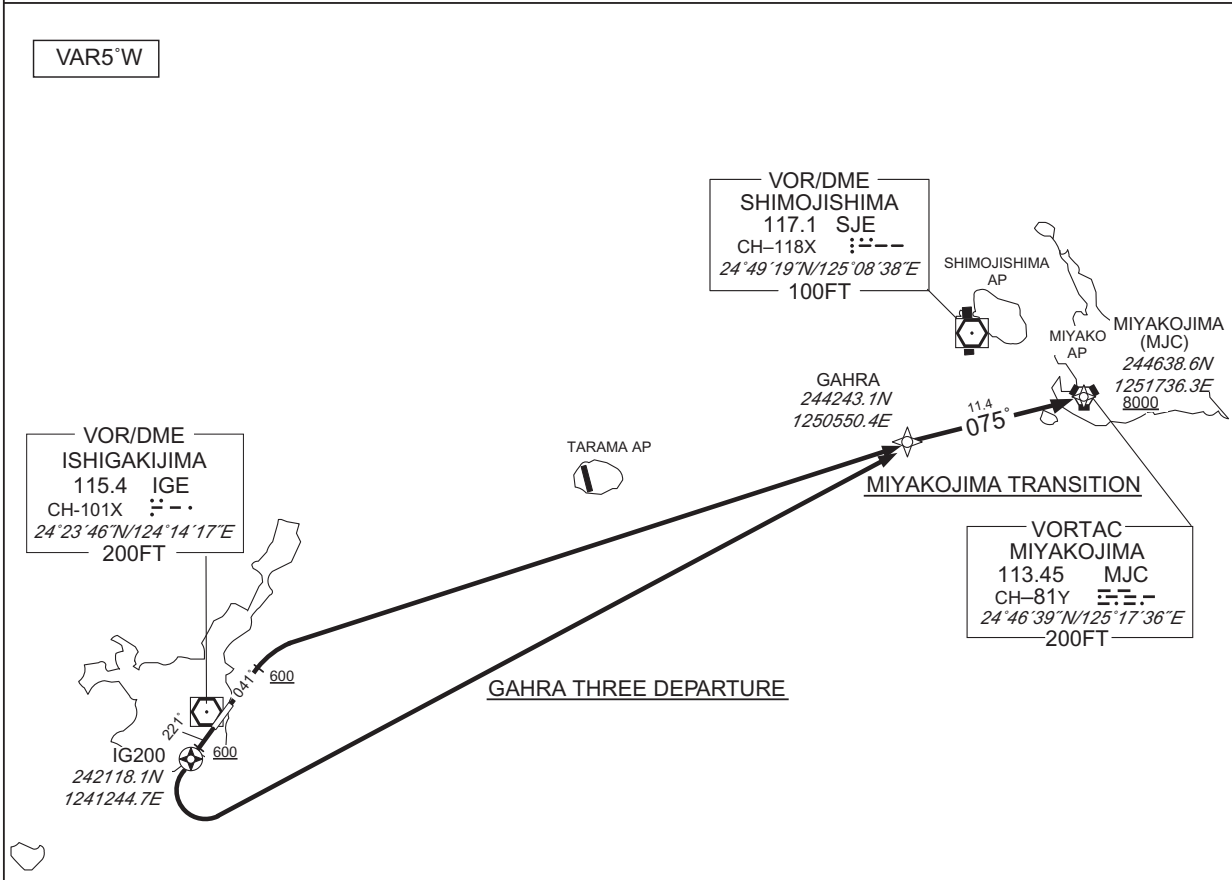
CHANGE : Description of PROC name.

STANDARD DEPARTURE CHART -INSTRUMENT

ROIG / NEW ISHIGAKI — RNAV SID and TRANSITION

GAHRA THREE DEPARTURE MIYAKOJIMA TRANSITION	RNP1

Note GNSS required.



GAHRA THREE DEPARTURE

RWY04 : Climb on HDG 041˚ at or above 600FT, turn right direct to GAHRA.

RWY22 : Climb on HDG 221˚ at or above 600FT, direct to IG200, turn left direct to GAHRA.

MIYAKOJIMA TRANSITION

From GAHRA, to MJC at or above 8000FT.

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART -INSTRUMENT

ROIG / NEW ISHIGAKI RNAV SID and TRANSITION

GAHRA THREE DEPARTURE

RWY04

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	-	-	041 (035.9)	-4.9	-	-	+600	-	-	RNP1
002	DF	GAHRA	-	-	-4.9	-	R	-	-	-	RNP1

RWY22

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	-	-	221 (215.9)	-4.9	-	-	+600	-	-	RNP1
002	DF	IG200	Y	-	-4.9	-	-	-	-	-	RNP1
003	DF	GAHRA	-	-	-4.9	-	L	-	-	-	RNP1

MIYAKOJIMA 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	GAHRA	-	-	-4.9	-	-	-	-	-	RNP1
002	TF	MJC	-	075 (069.8)	-4.9	11.4	-	+8000	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

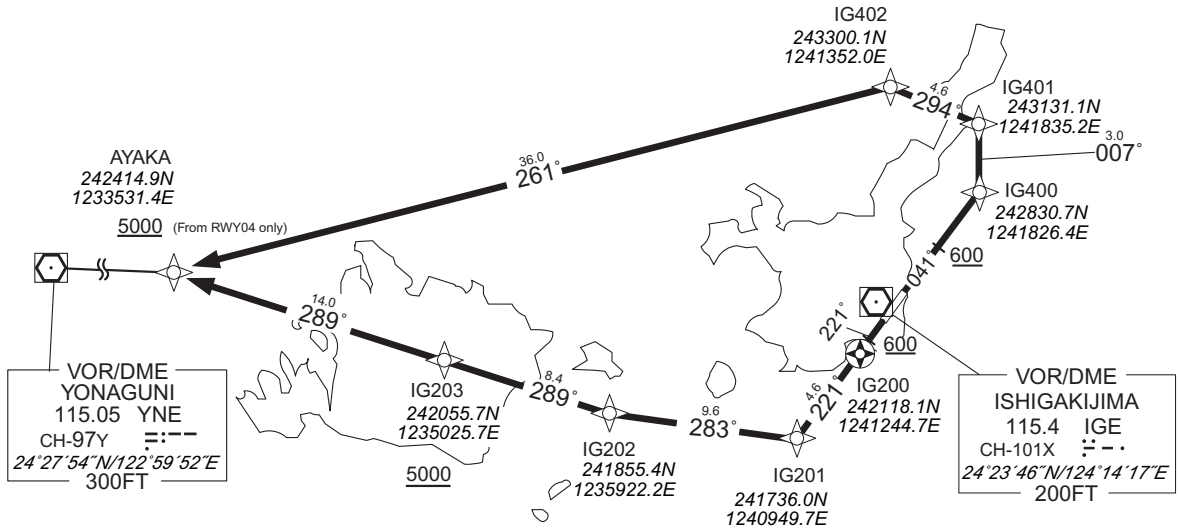
STANDARD DEPARTURE CHART -INSTRUMENT

ROIG / NEW ISHIGAKI RNAV SID

AYAKA THREE DEPARTURE	RNP1

Note GNSS required.

VAR5˚W



RWY04 : Climb on HDG 041˚ at or above 600FT, direct to IG400, to IG401, to IG402, to AYAKA at or above 5000FT.

RWY22 : Climb on HDG 221˚ at or above 600FT, direct to IG200, to IG201, to IG202, to IG203 at or above 5000FT, to AYAKA.

NOTE RWY04 : 4.0% climb gradient required up to 2000FT.
OBST ALT 836FT at 9.53NM 021˚ FM end of RWY04.

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD DEPARTURE CHART -INSTRUMENT

ROIG / NEW ISHIGAKI RNAV SID

AYAKA THREE DEPARTURE

RWY04

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	-	-	041 (035.9)	-4.9	-	-	+600	-	-	RNP1
002	DF	IG400	-	-	-4.9	-	-	-	-	-	RNP1
003	TF	IG401	-	007 (002.6)	-4.9	3.0	-	-	-	-	RNP1
004	TF	IG402	-	294 (289.1)	-4.9	4.6	-	-	-	-	RNP1
005	TF	AYAKA	-	261 (256.1)	-4.9	36.0	-	+5000	-	-	RNP1

RWY22

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	-	-	221 (215.9)	-4.9	-	-	+600	-	-	RNP1
002	DF	IG200	Y	-	-4.9	-	-	-	-	-	RNP1
003	TF	IG201	-	221 (215.7)	-4.9	4.6	-	-	-	-	RNP1
004	TF	IG202	-	283 (277.9)	-4.9	9.6	-	-	-	-	RNP1
005	TF	IG203	-	289 (283.9)	-4.9	8.4	-	+5000	-	-	RNP1
006	TF	AYAKA	-	289 (283.8)	-4.9	14.0	-	-	-	-	RNP1

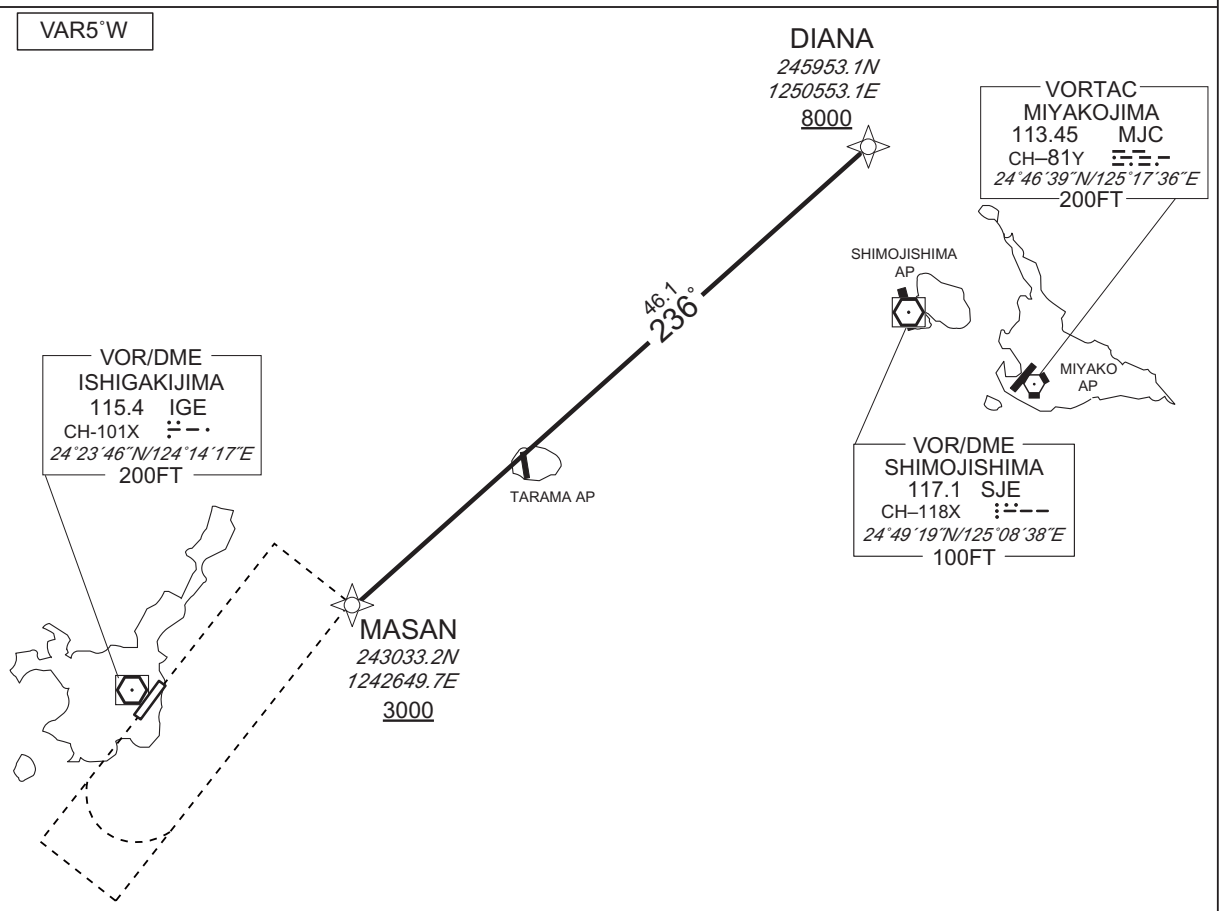
CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD ARRIVAL CHART-INSTRUMENT

ROIG / NEW ISHIGAKI — RNAV STAR RWY04 / RWY22

MASAN ARRIVAL	RNP1

Note GNSS required.



From DIANA at or above 8000FT, to MASAN at or above 3000FT.

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	DIANA	—	—	-5.1	—	—	+8000	—	—	RNP1
002	TF	MASAN	—	236 (230.5)	-5.1	46.1	—	+3000	—	—	RNP1

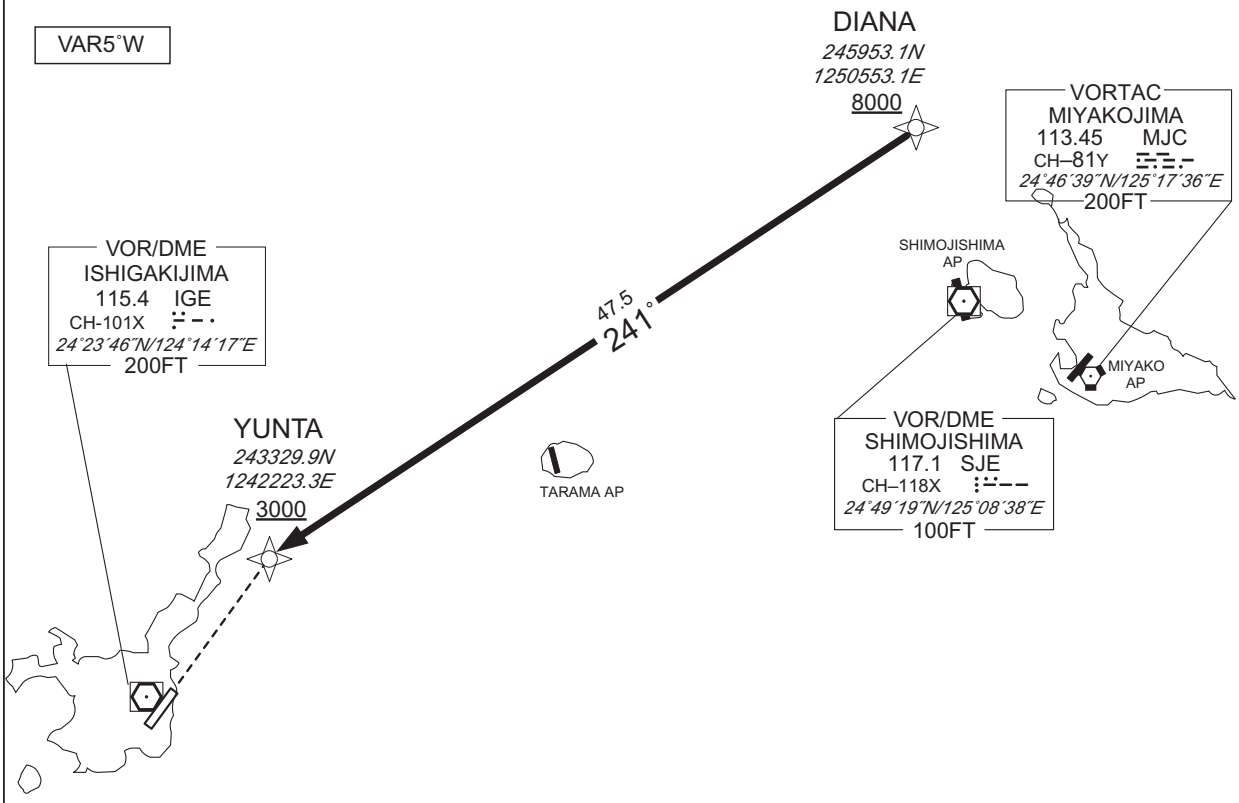
CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD ARRIVAL CHART-INSTRUMENT

ROIG / NEW ISHIGAKI — RNAV STAR RWY22

YUNTA NORTH ARRIVAL	RNP1

Note GNSS required.



From DIANA at or above 8000FT, to YUNTA at or above 3000FT.

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	DIANA	—	—	-4.9	—	—	+8000	—	—	RNP1
002	TF	YUNTA	—	241 (236.4)	-4.9	47.5	—	+3000	—	—	RNP1

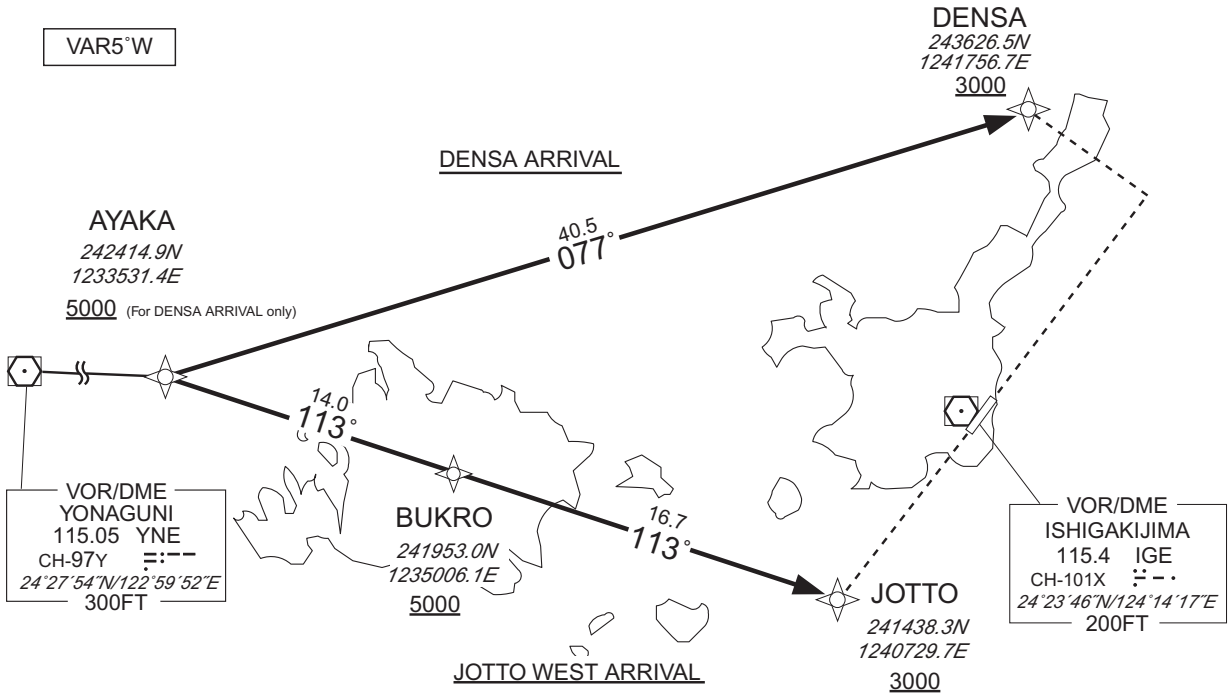
CHANGE : Navigation Specification(Basic RNP1 → RNP1).

STANDARD ARRIVAL CHART-INSTRUMENT

ROIG / NEW ISHIGAKI — RNAV STAR RWY04/RWY22

DENSA ARRIVAL / JOTTO WEST ARRIVAL	RNP1

Note GNSS required.



DENSA ARRIVAL

From AYAKA at or above 5000FT, to DENSA at or above 3000FT.

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	AYAKA	—	—	-4.9	—	—	+5000	—	—	RNP1
002	TF	DENSA	—	077 (072.3)	-4.9	40.5	—	+3000	—	—	RNP1

JOTTO WEST ARRIVAL

From AYAKA, to BUKRO at or above 5000FT, to JOTTO at or above 3000FT.

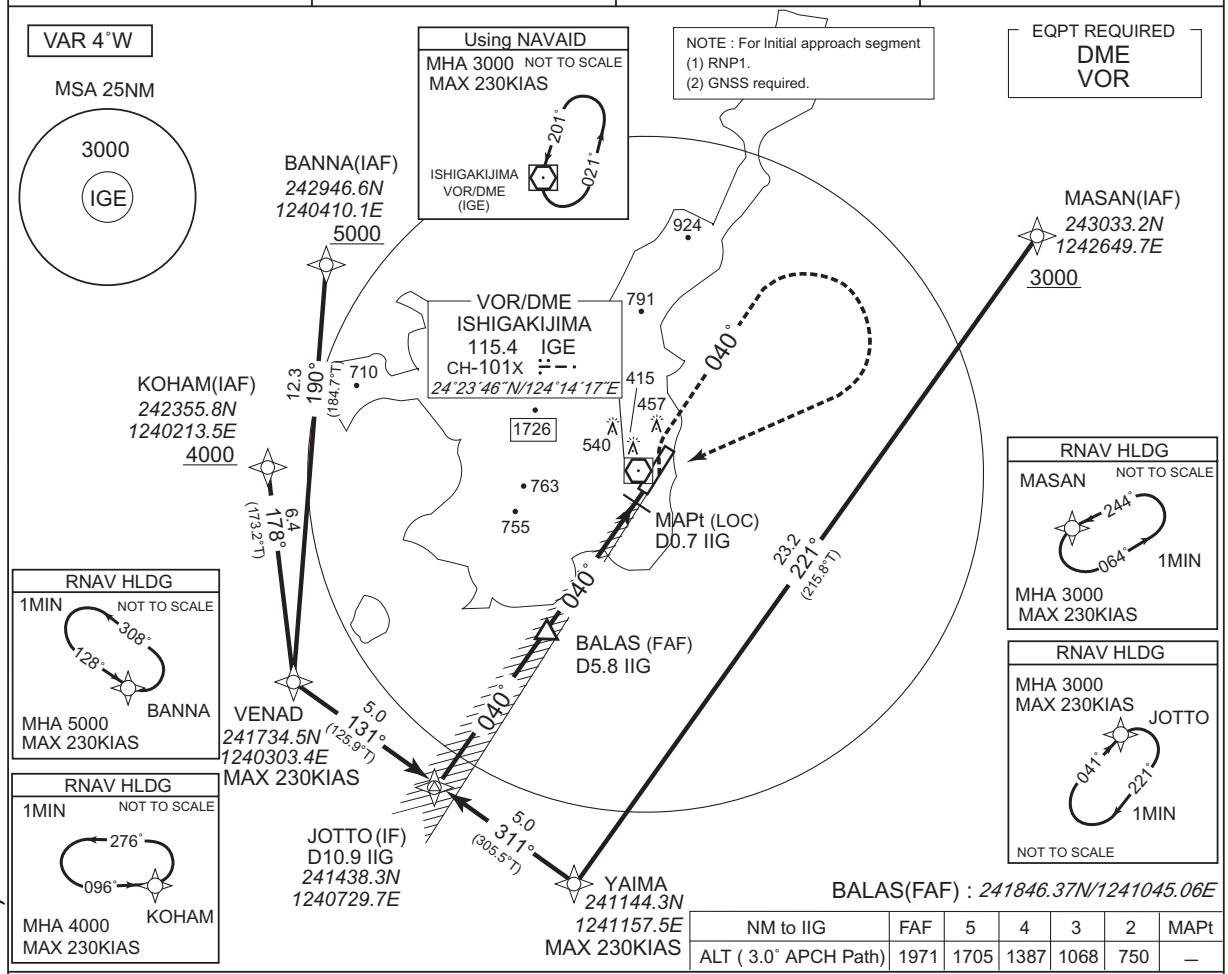
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course ˚M(˚T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	AYAKA	—	—	-4.9	—	—	—	—	—	RNP1
002	TF	BUKRO	—	113 (108.1)	-4.9	14.0	—	+5000	—	—	RNP1
003	TF	JOTTO	—	113 (108.2)	-4.9	16.7	—	+3000	—	—	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

INSTRUMENT APPROACH CHART

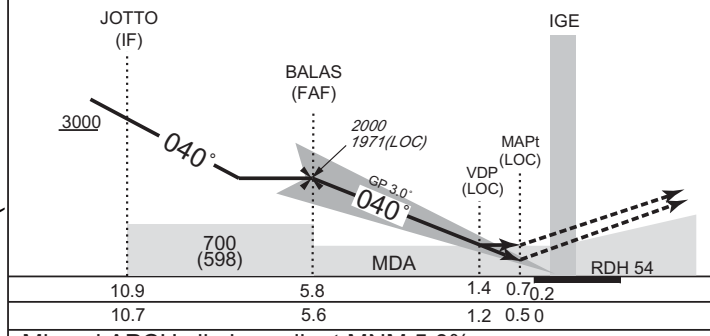
ROIG / NEW ISHIGAKI — ILS Z or LOC Z RWY04

SAKISHIMA APP	ILS - LOC 110.75 IIG ILS - GP 330.05 ILS - DME CH–44Y	ISHIGAKI TOWER	RADAR AVBL
120.3 – 121.2		118.0 – 126.2	ATIS 128.675



BALAS(FAF) : *241846.37N/1241045.06E*

NM to IIG	FAF	5	4	3	2	MAPt
ALT (3.0˚ APCH Path)	1971	1705	1387	1068	750	—



MISSED APPROACH
Climb to 800FT on HDG040˚, turn left,via IGE R040 to 2000FT, turn right, direct to IGE VOR/DME and hold at 3000FT.
Contact SAKISHIMA APP.
Timing not authorized for defining the MAPt.

Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 126 AD elev. 102

CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	326(200)	550	530(428)	900	580(478)	1600
B				1000		
C					660(558)	2400
D	336(210)	600		1400		3200

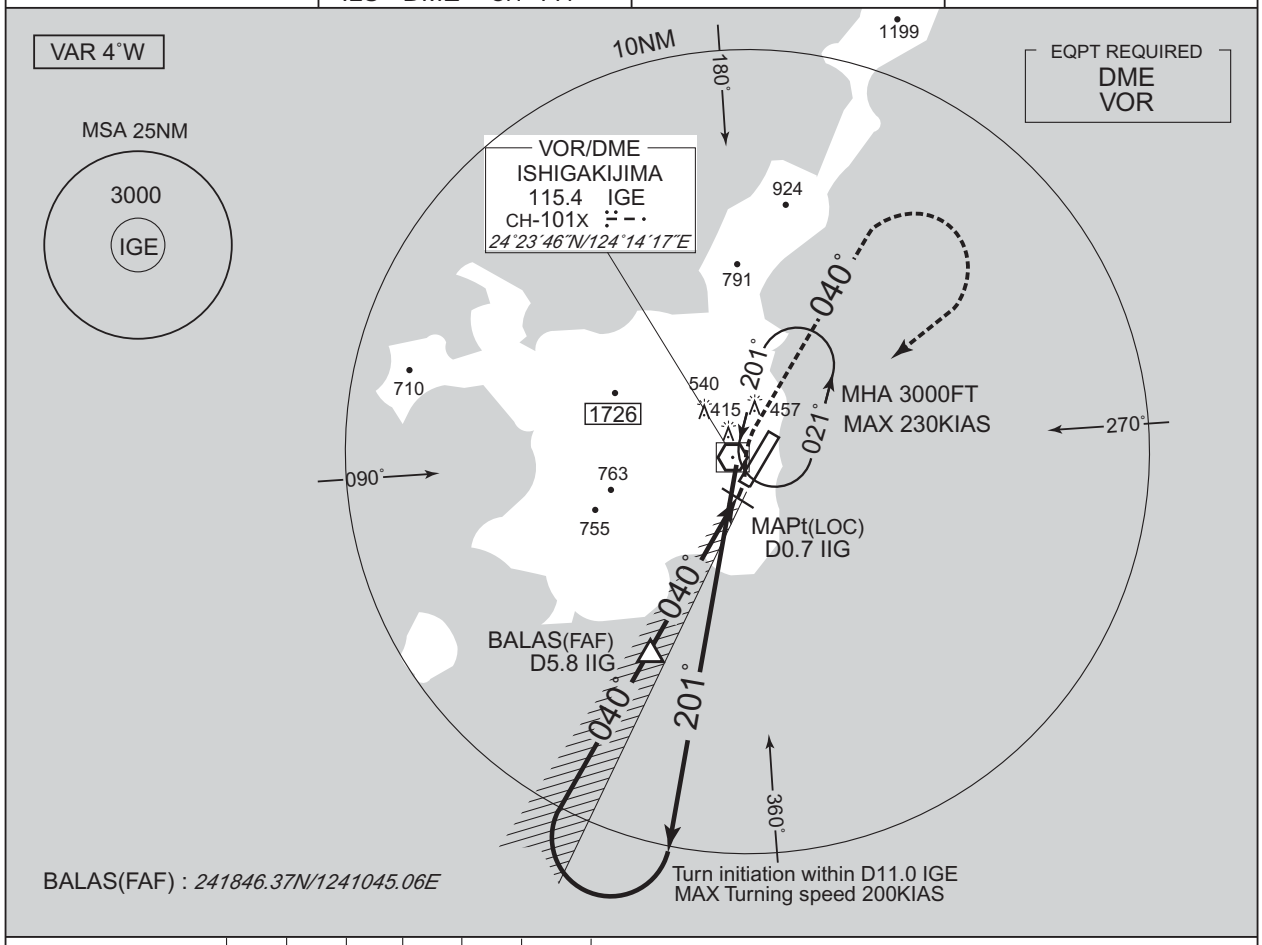
MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to EAST side of RWY only.

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

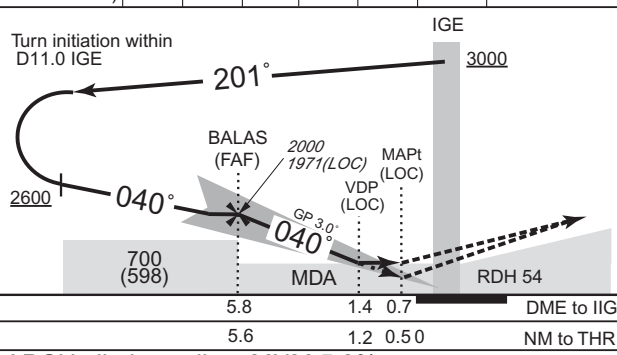
INSTRUMENT APPROACH CHART

ROIG / NEW ISHIGAKI — ILS Y or LOC Y RWY04

SAKISHIMA APP	ILS - LOC 110.75 IIG ILS - GP 330.05 ILS - DME CH–44Y	ISHIGAKI TOWER	RADAR AVBL
120.3 – 121.2		118.0 – 126.2	ATIS 128.675



NM to IIG	FAF	5	4	3	2	MAPt
ALT (3.0˚ APCH Path)	1971	1705	1387	1068	750	—



MISSED APPROACH

Climb to 800FT on HDG040˚, turn left, via IGE R040 to 2000FT, turn right,direct to IGE VOR/DME and hold at 3000FT. Contact SAKISHIMA APP.

Timing not authorized for defining the MAPt.

Missed APCH climb gradient MNM 5.0%

MINIMA — THR elev. 126 — AD elev. 102

CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	326(200)	550	530(428)	900	580(478)	1600
B				1000		
C					660(558)	2400
D	336(210)	600		1400		3200

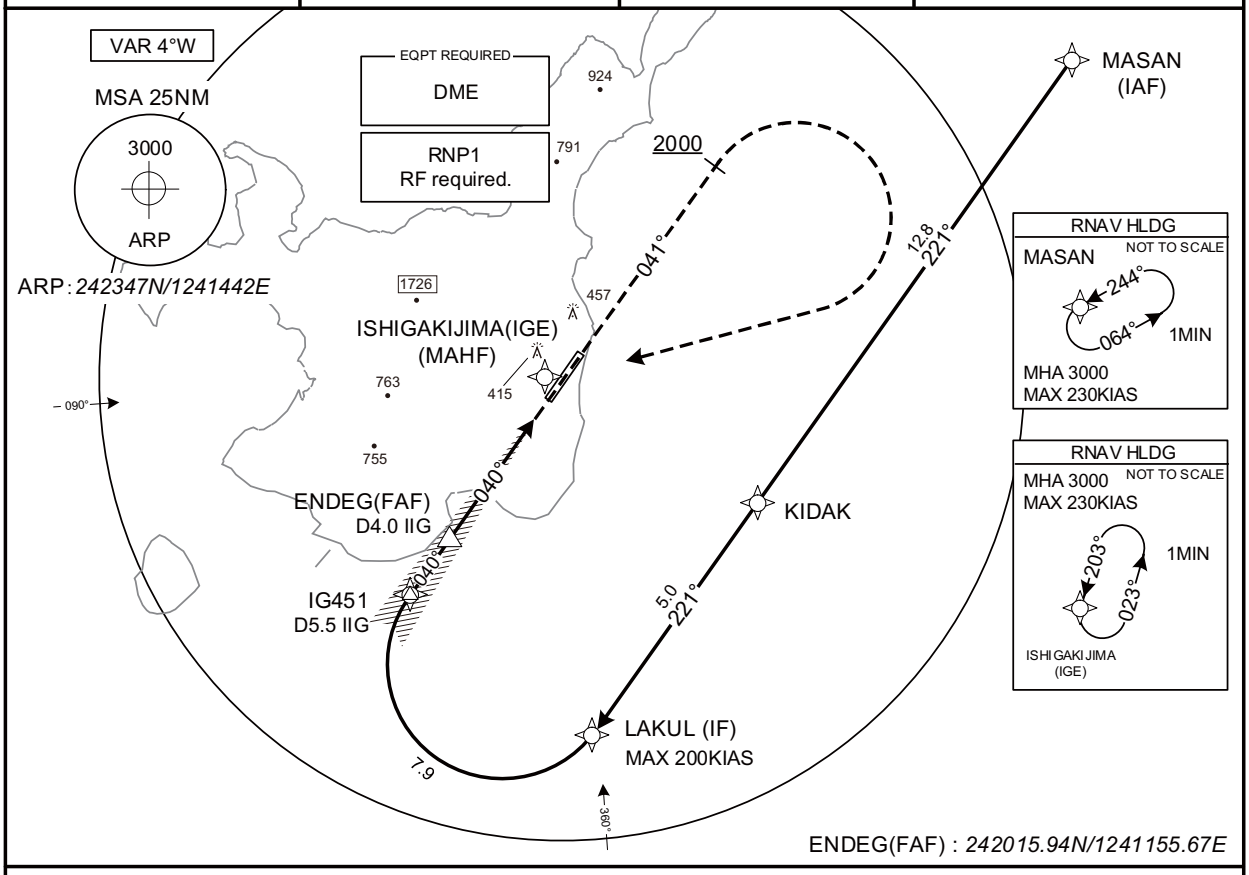
MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to EAST side of RWY only.

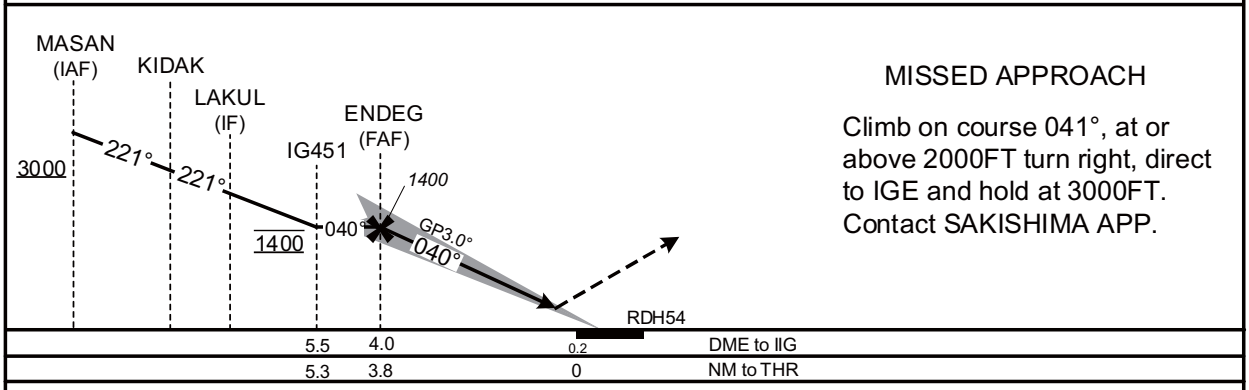
CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

ROIG / NEW ISHIGAKI — ILS X RWY04

SAKISHIMA APP	ILS - LOC 110.75 IIG ILS - GP 330.05 ILS - DME CH–44Y	ISHIGAKI TOWER	RADAR AVBL
120.3 – 121.2		118.0 – 126.2	ATIS 128.675





MISSED APPROACH

Climb on course 041°, at or above 2000FT turn right, direct to IGE and hold at 3000FT. Contact SAKISHIMA APP.

Missed APCH climb gradient MNM 5.0%

MINIMA	THR elev. 126			AD elev. 102
CAT	CAT I		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	VIS
A	326(200)	550	580(478)	1600
B				
C			660(558)	2400
D	336(210)	600		3200

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

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

INSTRUMENT APPROACH CHART

ROIG / NEW ISHIGAKI ILS X RWY04

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

Coding Table

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	MASAN	-	-	-5.1	-	-	+3000	-	-	RNP1
002	TF	KIDAK	-	221 (215.8)	-5.1	12.8	-	-	-	-	RNP1
003	TF	LAKUL	-	221 (215.7)	-5.1	5.0	-	-	-200	-	RNP1
004	RF Center: IGRF2 r=2.50NM	IG451	-	-	-5.1	7.9	R	1400	-	-	RNP1
001	CA	-	-	041 (035.7)	-5.1	-	-	+2000	-	-	RNP1
002	DF	IGE	-	-	-5.1	-	R	3000	-	-	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	MASAN	244 (239.3)	-5.1	1.0 (-14000)	L	3000	FL140	-230 (-14000)	RNP1
Hold	IGE	203 (197.8)	-5.1	1.0 (-14000)	L	3000	FL140	-230 (-14000)	RNP1

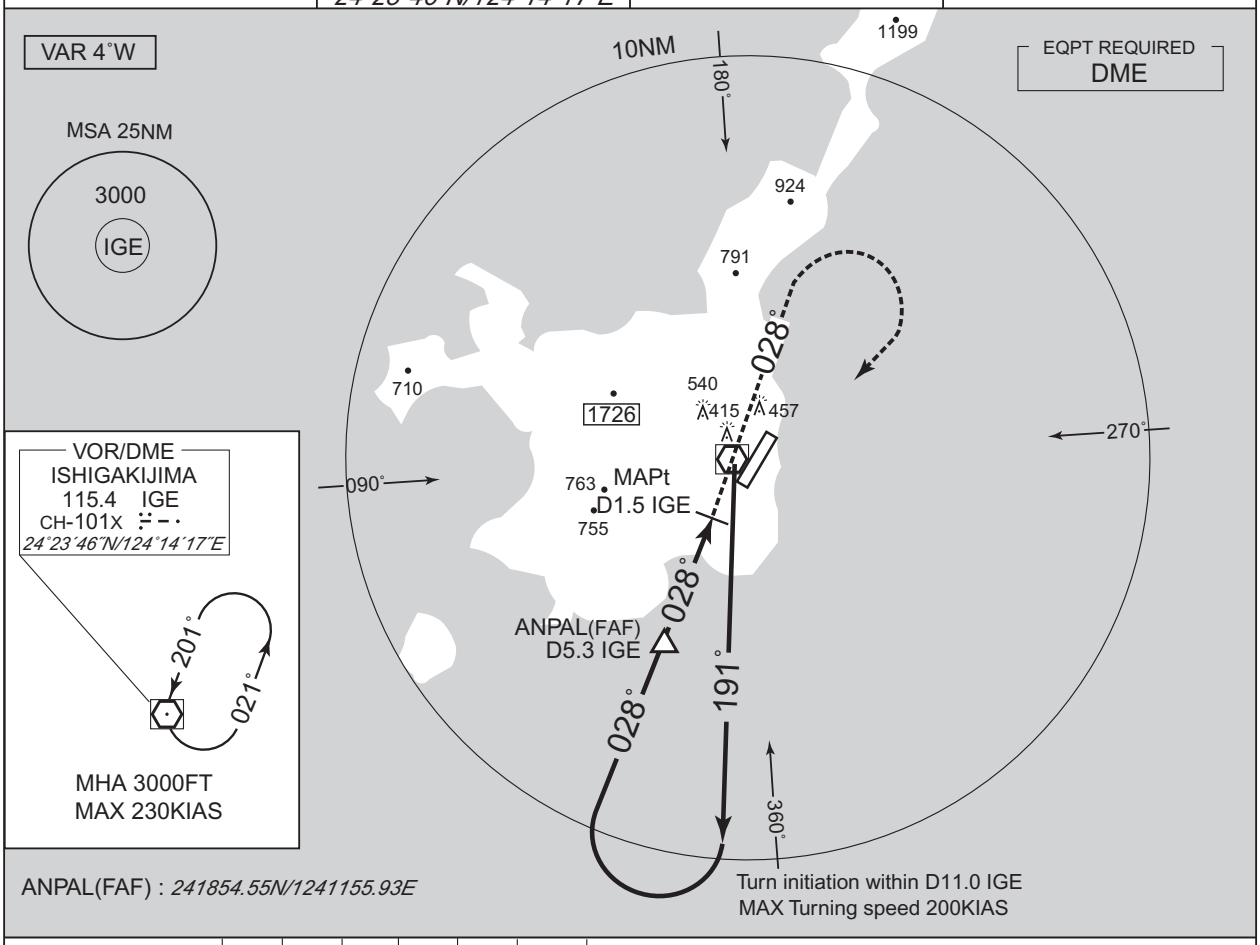
Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
MASAN	*243033.23N / 1242649.67E*	IGRF2	*241734.58N / 1241311.07E*
KIDAK	*242010.28N / 1241836.67E*		
LAKUL	*241606.39N / 1241524.14E*		
IG451	*241902.74N / 1241057.95E*		
IGE	*242345.64N / 1241416.63E*		

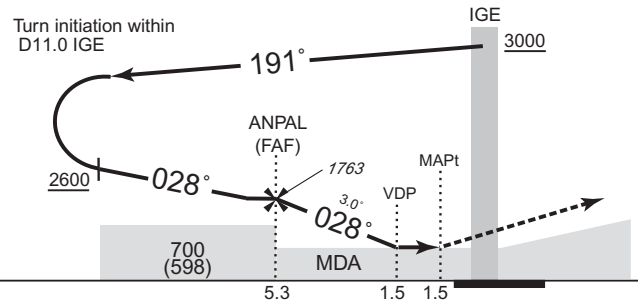
INSTRUMENT APPROACH CHART

ROIG / NEW ISHIGAKI — VOR RWY04

SAKISHIMA APP	ISHIGAKIJIMA VOR/DME	ISHIGAKI TOWER	RADAR AVBL
120.3 – 121.2	115.4 IGE CH–101X *24˚23´46˝N/124˚14´17˝E*	118.0 – 126.2	ATIS 128.675



NM to IGE	FAF	5	4	3	2	MAPt
ALT (3.0˚ APCH Path)	1763	1666	1347	1029	711	—



MISSED APPROACH

Climb to 2000FT via IGE R028, turn right, direct to IGE VOR/DME and hold at 3000FT.
Contact SAKISHIMA APP.

Timing not authorized for defining the MAPt.

DME to IGE	5.3 1.5 1.5
NM to THR	5.0 1.2 1.1 0

MINIMA — THR elev. 126 — AD elev. 102

CAT			CIRCLING	
	MDA(H)	RVR/CMV	MDA(H)	VIS
A	540(438)	900	580(478)	1600
B		1000		
C			660(558)	2400
D		1400		3200

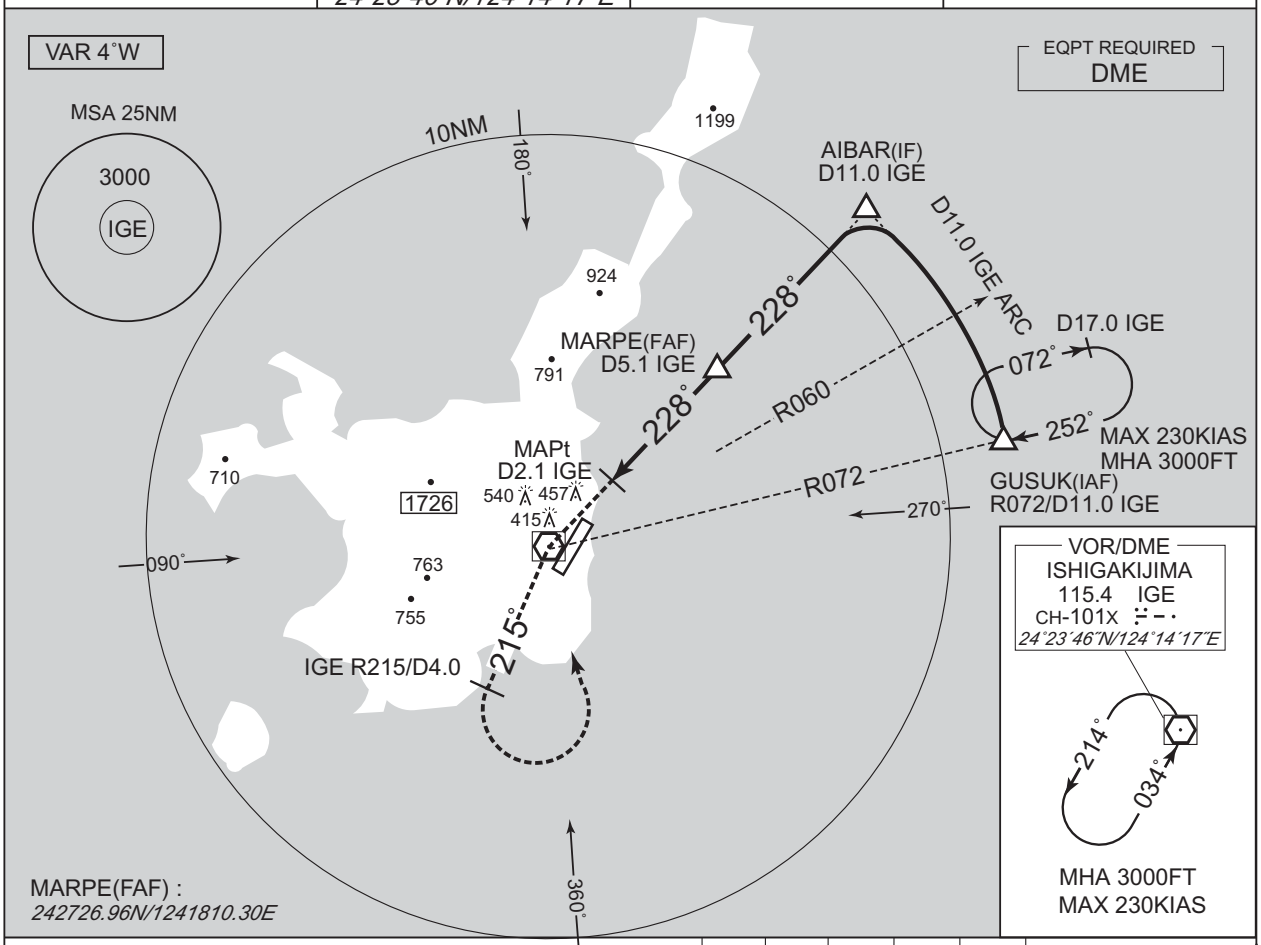
Circling to EAST side of RWY only.

CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

ROIG / NEW ISHIGAKI — VOR Z RWY22

SAKISHIMA APP	ISHIGAKIJIMA VOR/DME	ISHIGAKI TOWER	RADAR AVBL
120.3 – 121.2	115.4 IGE CH–101X *24˚23´46˝N/124˚14´17˝E*	118.0 – 126.2	ATIS 128.675

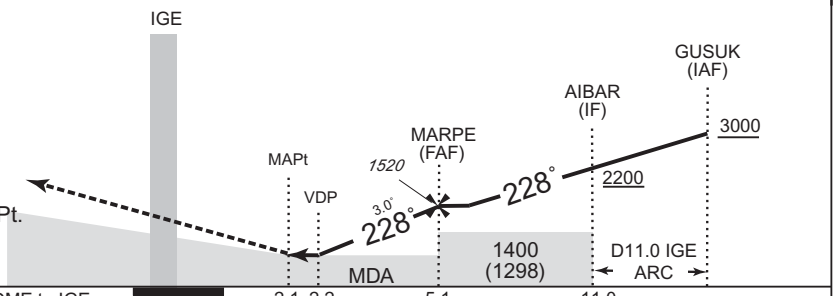


MAPt	3	4	5	FAF	NM to IGE
—	845	1163	1481	1520	ALT (3.0˚ APCH Path)

MISSED APPROACH

Climb via IGE R215 to IGE 4.0DME, turn left, direct to IGE VOR/DME and hold at 3000FT. Contact SAKISHIMA APP.

Timing not authorized for defining the MAPt.



DME to IGE		2.1	2.2	5.1	11.0
NM to THR	0	1.3	1.4	4.3	10.2

MINIMA — THR elev. 110 — AD elev. 102

CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	580(478)	1400	580(478)	1600
B		1500		
C		1600	660(558)	2400
D		1800		3200

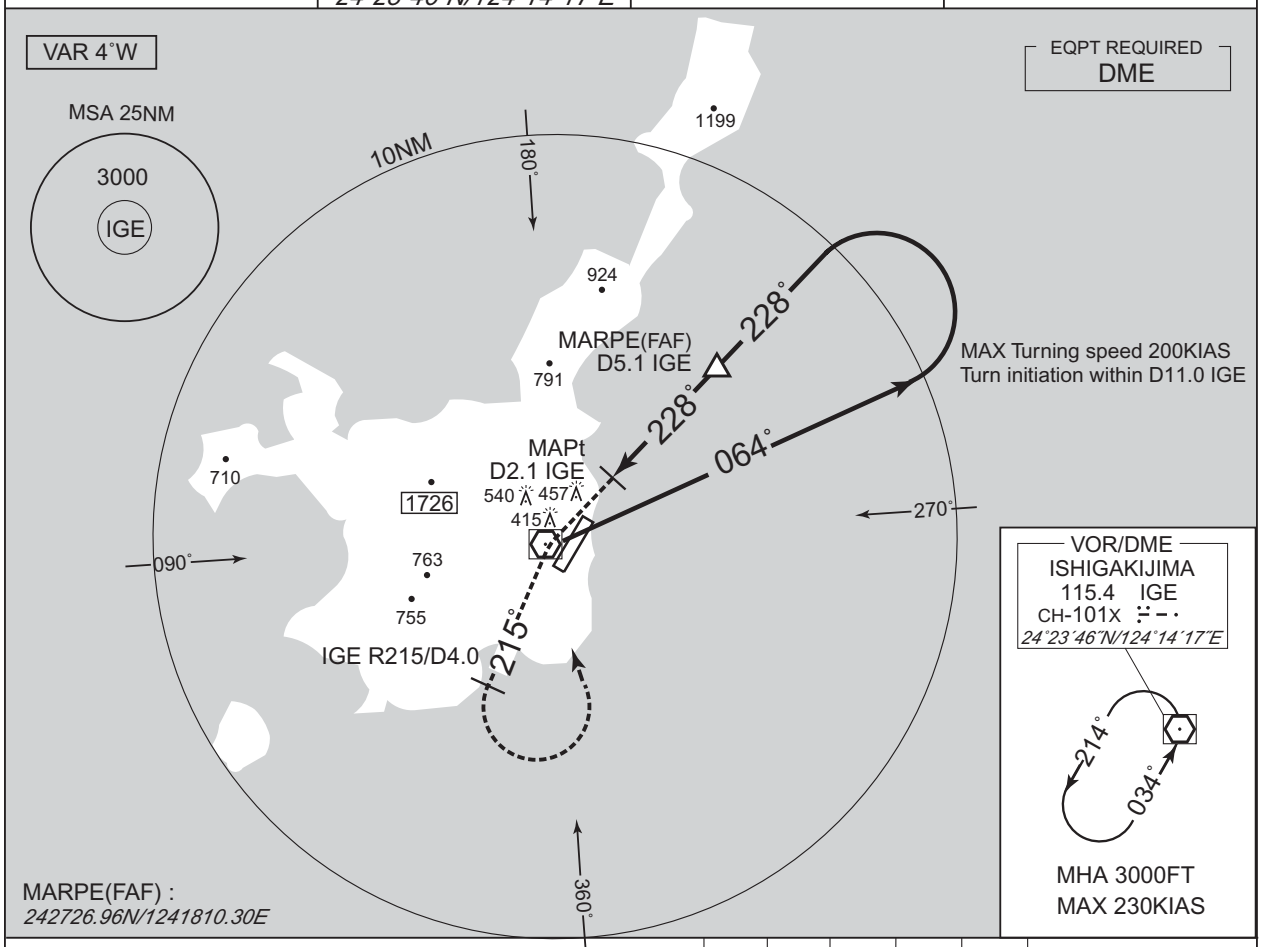
Circling to EAST side of RWY only.

CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

ROIG / NEW ISHIGAKI — VOR Y RWY22

SAKISHIMA APP	ISHIGAKIJIMA VOR/DME 115.4 IGE CH–101X 24°23´46˝N/124°14´17˝E	ISHIGAKI TOWER	RADAR AVBL
120.3 – 121.2		118.0 – 126.2	ATIS 128.675

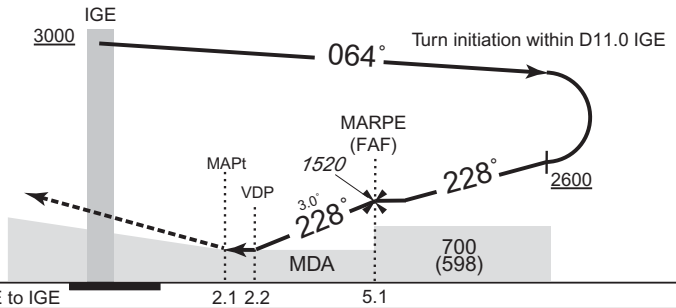


MAPt	3	4	5	FAF	NM to IGE
—	845	1163	1481	1520	ALT (3.0° APCH Path)

MISSED APPROACH

Climb via IGE R215 to IGE 4.0DME, turn left,direct to IGE VOR/DME and hold at 3000FT. Contact SAKISHIMA APP.

Timing not authorized for defining the MAPt.



DME to IGE		2.1	2.2	5.1
NM to THR	0	1.3	1.4	4.3

MINIMA — THR elev. 110 — AD elev. 102

CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	580(478)	1400	580(478)	1600
B		1500		
C		1600	660(558)	2400
D		1800		3200

Circling to EAST side of RWY only.

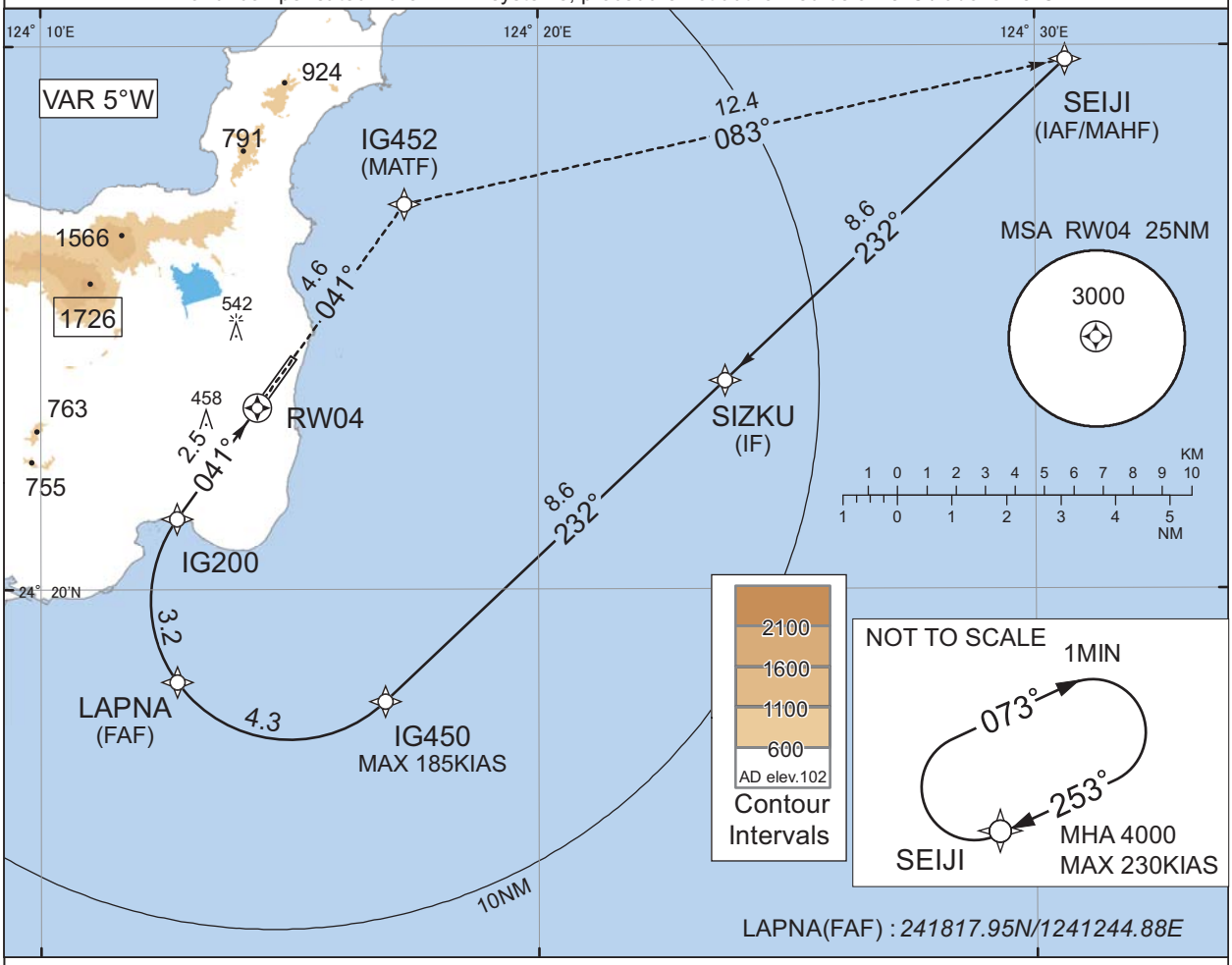
CHANGE : Description of VAR.

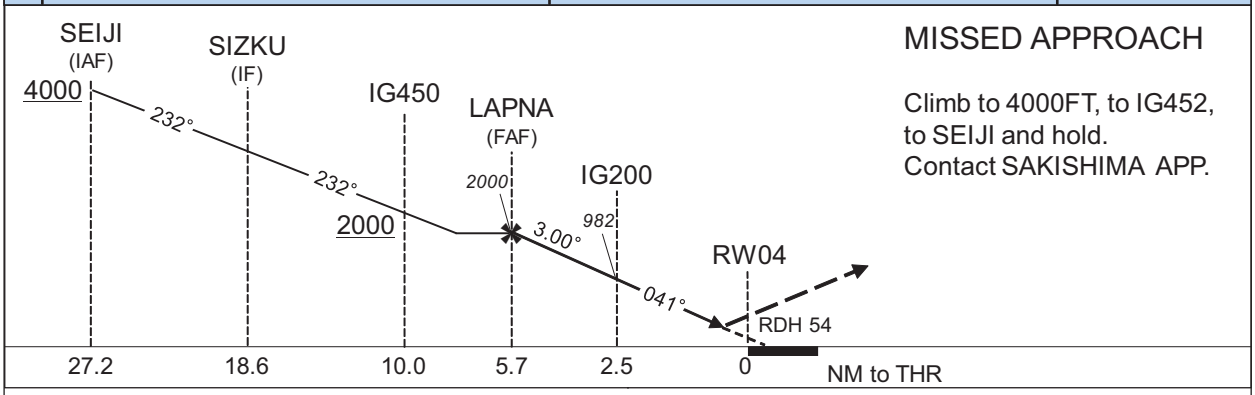
INSTRUMENT APPROACH CHART

ROIG / NEW ISHIGAKI — RNP RWY04(AR)

SAKISHIMA APP	RNP AR	ISHIGAKI TOWER	RADAR AVBL
120.3 - 121.2	RF required.	118.0 - 126.2	ATIS 128.675

For uncompensated Baro-VNAV systems, procedure not authorized below 5°C / above 45°C





MISSED APPROACH

Climb to 4000FT, to IG452, to SEIJI and hold.
Contact SAKISHIMA APP.

Missed APCH climb gradient MNM 5.0%

MINIMA	THR elev. 126	AD elev. 102
CAT	RNP 0.30	
	DA(H)	RVR/CMV
A	-	-
B		
C	545(419)	1000
D	567(441)	1400

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

Authorization Required

CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

ROIG / NEW ISHIGAKI RNP RWY04(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	SEIJI	-	-	-5.0	-	-	+4000	-	-	-
002	TF	SIZKU	-	232 (226.6)	-5.0	8.6	-	-	-	-	1.0
003	TF	IG450	-	232 (226.6)	-5.0	8.6	-	+2000	-185	-	1.0
004	RF Center: IGRF1 r=2.55NM	LAPNA	-	-	-5.0	4.3	R	2000	-	-	1.0
005	RF Center: IGRF1 r=2.55NM	IG200	-	-	-5.0	3.2	R	982	-	-3.00	0.3
006	TF	RW04	Y	041 (035.7)	-5.0	2.5	-	180	-	-3.00/54	0.3
007	TF	IG452	-	041 (035.7)	-5.0	4.6	-	-	-	-	1.0
008	TF	SEIJI	-	083 (077.6)	-5.0	12.4	-	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	SEIJI	253 (248.2)	-5.0	1.0 (-14000)	R	4000	FL140	-230 (-14000)	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
SEIJI	*242944.43N/1243036.57E*	IGRF1	*241948.12N/1241500.55E*
SIZKU	*242350.59N/1242345.74E*		
IG450	*241756.41N/1241655.55E*		
LAPNA	*241817.95N/1241244.88E*		
IG200	*242118.09N/1241244.70E*		
RW04	*242320.91N/1241421.64E*		
IG452	*242705.63N/1241719.18E*		

INSTRUMENT APPROACH CHART

ROIG / NEW ISHIGAKI

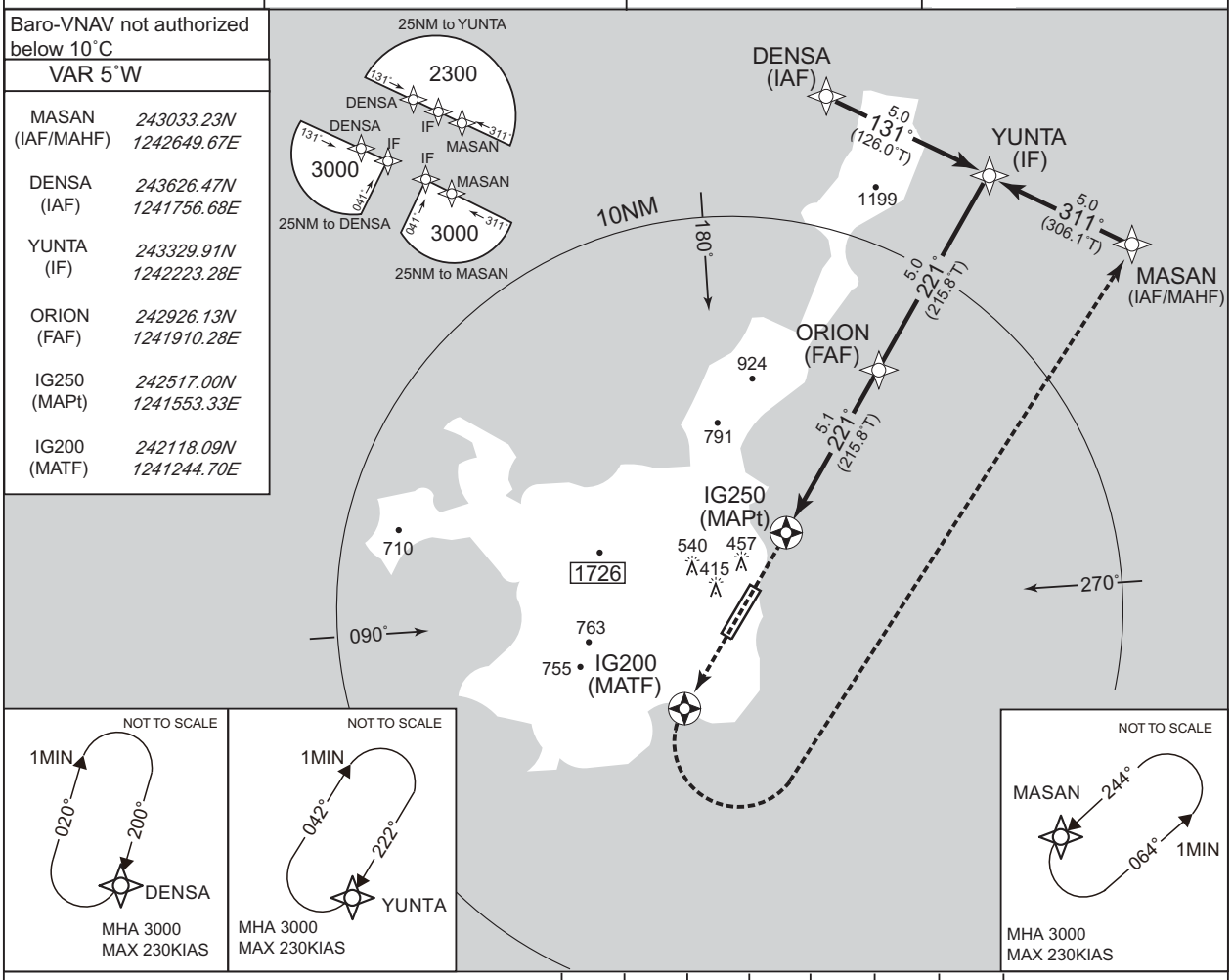
RNP Z RWY22

SAKISHIMA APP	RNP APCH	ISHIGAKI TOWER	RADAR AVBL
120.3 – 121.2		118.0 – 126.2	ATIS 128.675

Baro-VNAV not authorized below 10˚C

VAR 5˚W

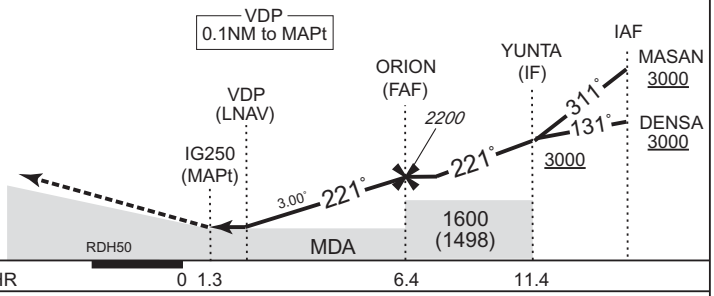
MASAN (IAF/MAHF)	*243033.23N* *1242649.67E*
DENSA (IAF)	*243626.47N* *1241756.68E*
YUNTA (IF)	*243329.91N* *1242223.28E*
ORION (FAF)	*242926.13N* *1241910.28E*
IG250 (MAPt)	*242517.00N* *1241553.33E*
IG200 (MATF)	*242118.09N* *1241244.70E*



MAPt	1	2	3	4	5	FAF	NM to Next Fix
—	892	1210	1528	1847	2165	2200	ALT (3.0˚ APCH Path)

MISSED APPROACH

Climb direct to IG200,turn left direct to MASAN and hold at 3000FT.
Contact SAKISHIMA APP.



MINIMA THR elev.110 AD elev.102

CAT	LNAV/VNAV DA(H)	LNAV/VNAV CMV	LNAV MDA(H)	LNAV CMV	CIRCLING MDA (H)	CIRCLING VIS
A	580(470)	1400	580(478)	1400	580(478)	1600
B		1500		1500		
C		1600		1600	660(558)	2400
D		1800		1800		3200

Circling to EAST side of RWY only.

CHANGE : Missed APCH for using VOR/DME abolished.

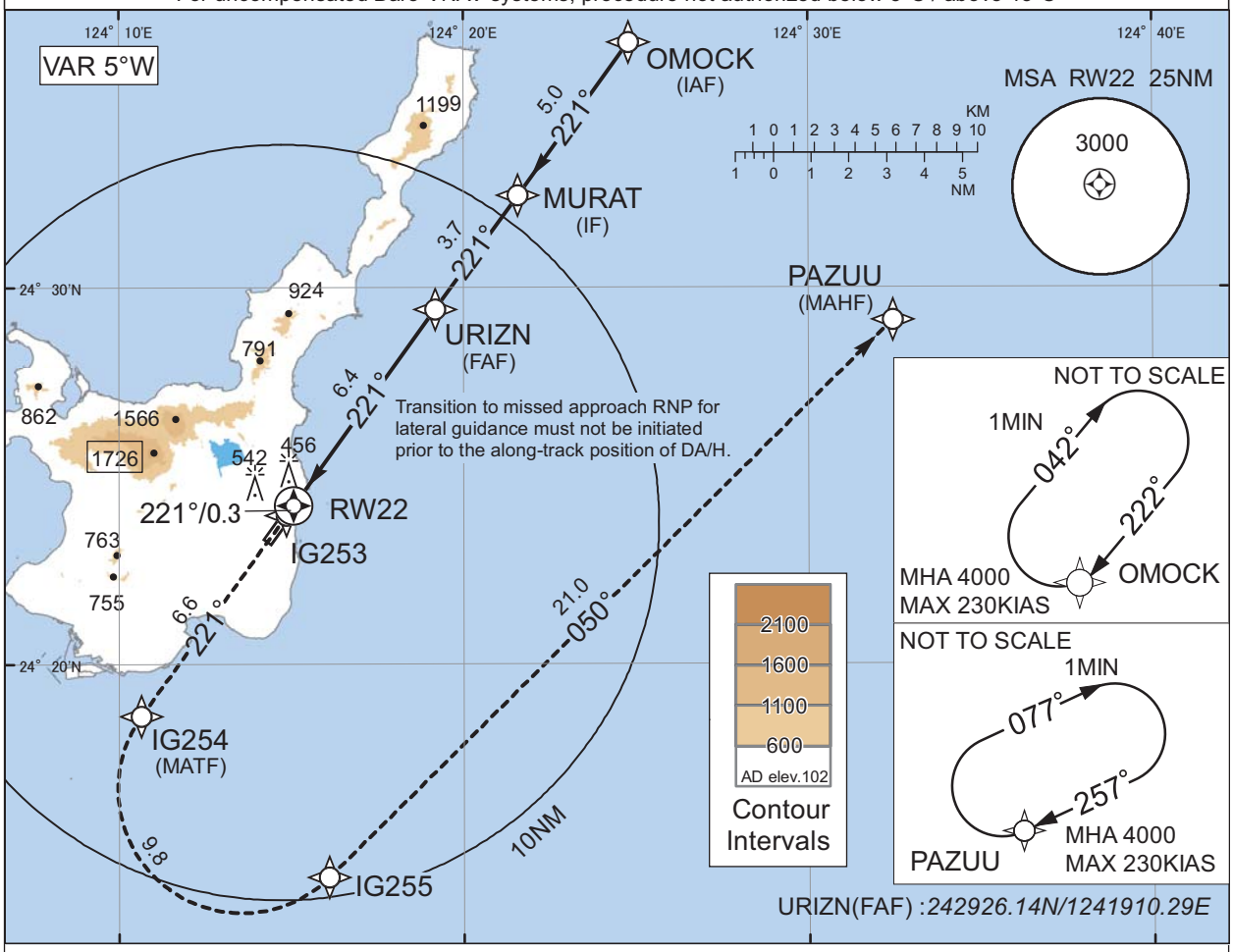
INSTRUMENT APPROACH CHART

ROIG / NEW ISHIGAKI

RNP Y RWY22(AR)

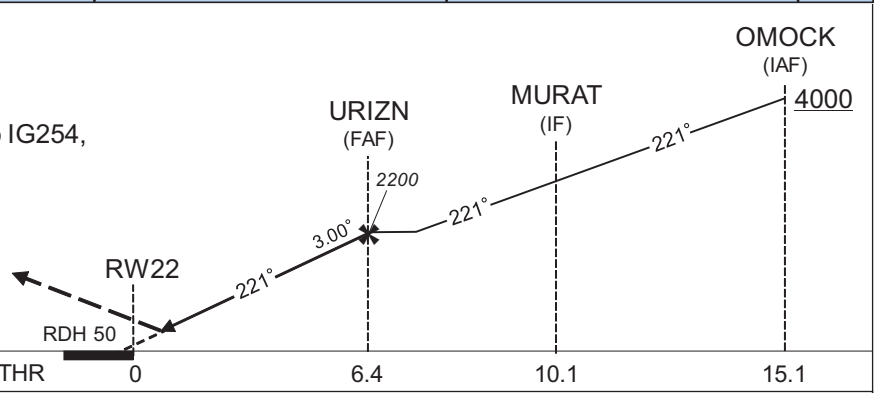
SAKISHIMA APP	RNP AR	ISHIGAKI TOWER	RADAR AVBL
120.3 - 121.2	RF required.	118.0 - 126.2	ATIS 128.675

For uncompensated Baro-VNAV systems, procedure not authorized below 5°C / above 45°C



MISSED APPROACH

Climb to 4000FT, to IG253, to IG254, to IG255 via fixed radius turn, to PAZUU and hold.
Contact SAKISHIMA APP.



Missed APCH climb gradient MNM 5.0%

MINIMA THR elev.110 AD elev.102

CAT	RNP 0.12		RNP 0.30	
	DA(H)	CMV	DA(H)	CMV
A	-	-	-	-
B				
C	545(435)	1400	608(498)	1600
D	559(449)	1600	618(508)	1800

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

Authorization Required

CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

ROIG / NEW ISHIGAKI RNP Y RWY22(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	OMOCK	-	-	-5.0	-	-	+4000	-	-	-
002	TF	MURAT	-	221 (215.8)	-5.0	5.0	-	-	-	-	1.0
003	TF	URIZN	-	221 (215.8)	-5.0	3.7	-	2200	-	-	1.0
004	TF	RW22	Y	221 (215.8)	-5.0	6.4	-	160	-	-3.00/50	0.12 0.30
005	TF	IG253	-	221 (215.7)	-5.0	0.3	-	-	-	-	0.12 0.30
006	TF	IG254	-	221 (215.7)	-5.0	6.6	-	-	-	-	1.0
007	RF Center: IGRF3 r=3.28NM	IG255	-	-	-5.0	9.8	L	-	-	-	1.0
008	TF	PAZUU	-	050 (045.2)	-5.0	21.0	-	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	OMOCK	222 (216.9)	-5.0	1.0 (-14000)	R	4000	FL140	-230 (-14000)	1.0
Hold	PAZUU	257 (252.1)	-5.0	1.0 (-14000)	R	4000	FL140	-230 (-14000)	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
OMOCK	*243631.66N/1242447.35E*	IGRF3	*241641.99N/1241333.15E*
MURAT	*243227.94N/1242134.19E*		
URIZN	*242926.14N/1241910.29E*		
RW22	*242413.59N/1241503.24E*		
IG253	*242357.98N/1241450.93E*		
IG254	*241837.84N/1241038.29E*		
IG255	*241421.38N/1241604.82E*		
PAZUU	*242908.99N/1243226.97E*		

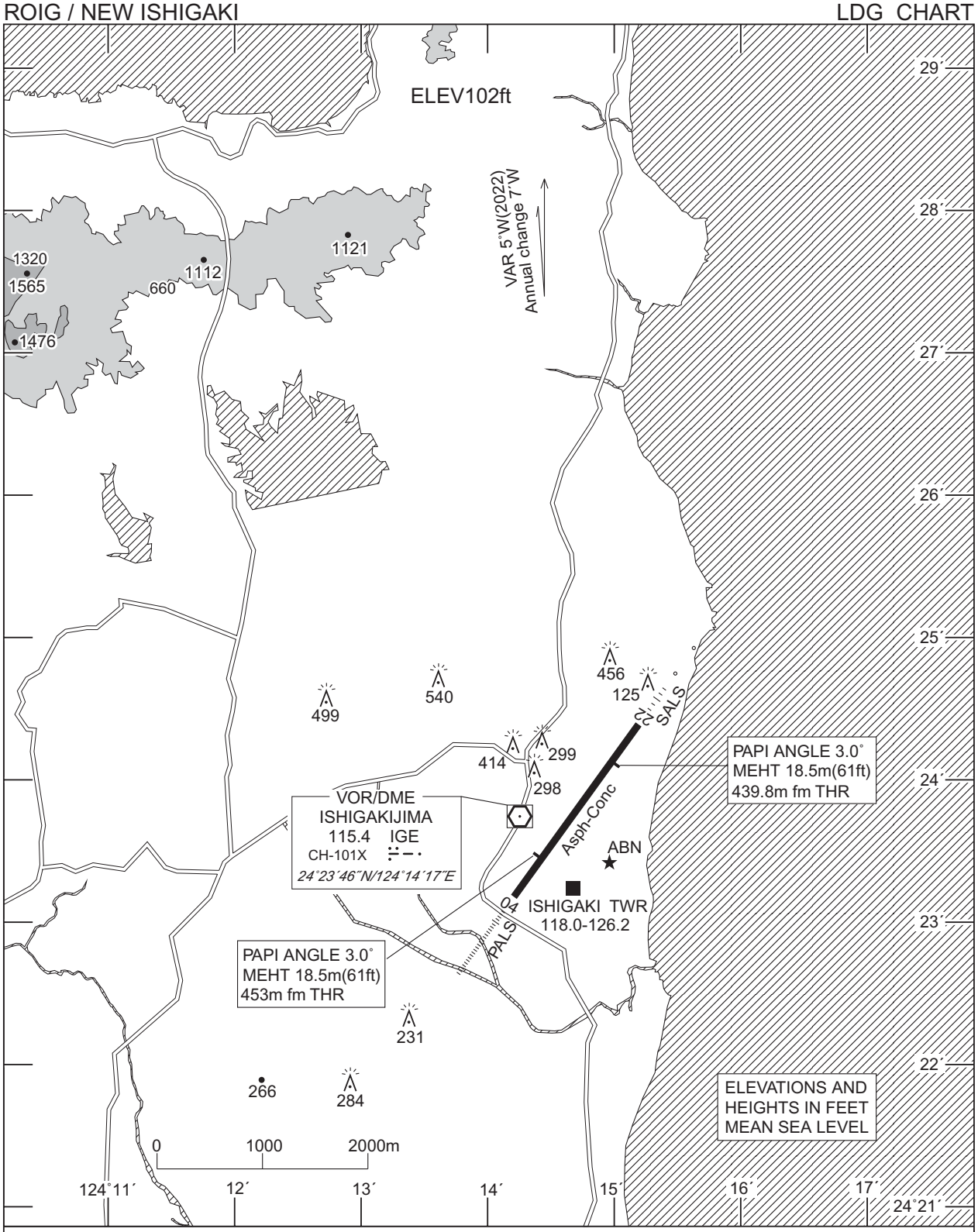
ROIG / NEW ISHIGAKI Visual REP

※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

CHANGE : Map updated. BRG/DIST from ARP.

Call sign	BRG / DIST from ARP	Remarks
野底岳 Nosokodake	002°T / 5.5NM	山 Mountain
イーストポイント East Point	120°T / 6.0NM	海上 Over the sea
竹富島 Taketomijima	246°T / 9.0NM	高速艇船着場 Port
観音崎 Kannonzaki	256°T / 7.5NM	灯台 Light house
川平 Kabira	304°T / 6.8NM	川平湾グラスボート乗り場 Kabira Bay Boat pier
底原 Sokobaru	322°T / 2.1NM	ダム Dam

ROIG / NEW ISHIGAKI LDG CHART

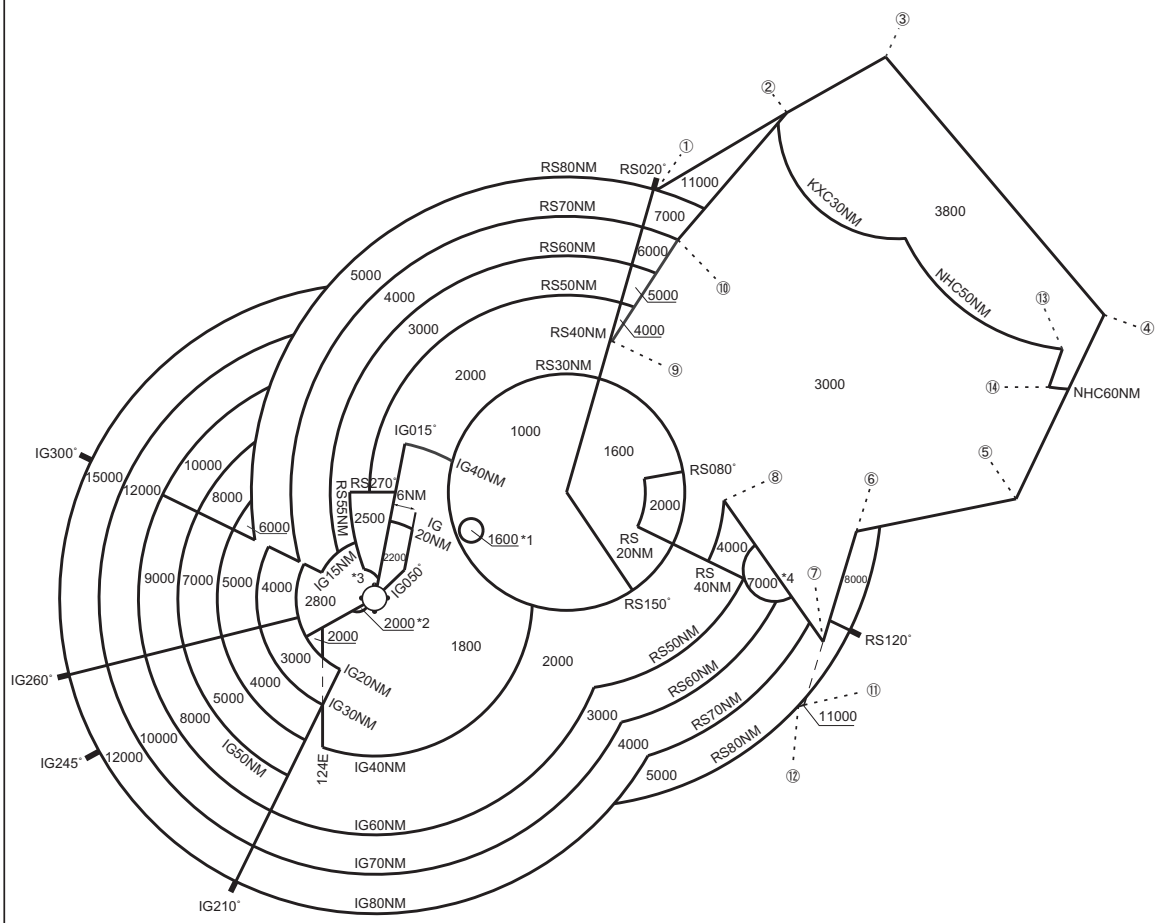


CHANGE : VAR.

ROIG / NEW ISHIGAKI

Minimum Vectoring Altitude CHART

VAR 5°W (2022)



①260606N/1253511E
②262504N/1261226E
③263831N/1264046E
④253118N/1273951E
⑤244518N/1271337E
⑥243809N/1262857E
⑦241018N/1261859E
⑧244643N/1255220E
⑨252751N/1252151E
⑩255321N/1254054E
⑪235438N/1261324E
⑫235414N/1261156E
⑬252316N/1272802E
⑭251400N/1272404E

CENTER : *244938N/1250827E* (RORS RADAR SITE)
CENTER : *242310N/1241441E* (ROIG RADAR SITE)

*1 : *244015N/1244143E* RADIUS : 3NM
*2 : *242248N/1240952E* RADIUS : 3NM
*3 : *242538N/1241100E* RADIUS : 5NM
*4 : *242850N/1260600E* RADIUS : 8NM

CHANGE : VAR.