AD 2 AERODROMES

RJEO AD 2.1 AERODROME LOCATION INDICATOR AND NAME

RJEO - OKUSHIRI

RJEO AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	*420418N/1392558E* 120° / 0.75km from RWY31 THR
2	Direction and distance from (city)	65NM WNW FM Hakodate City
3	Elevation/ Reference temperature	161FT / 25°C(2004-2008)
4	Geoid undulation at AD ELEV PSN	108FT
5	MAG VAR/ Annual change	9°W(2000) / 0.9'E
6	AD Administration, address, telephone, telefax, telex, AFS, e-mail and/or Web-site addresses	Hokkaido, Public AP Airport administration branch: 185-2,Yoneoka,Okushiri-cho,Okushiri-gun,Hokkaido. TEL:01397-3-2153
7	Types of traffic permitted(IFR/ VFR)	IFR/VFR
8	Remarks	Nil

RJEO AD 2.3 OPERATIONAL HOURS

1	AD Administration	0000 - 0800
2	Customs and immigration	On request Customs: 0138-40-4213 Immigration: 0138-41-6922
3	Health and sanitation	Quarantine(human): On request(0138-59-0248) Quarantine(animal, plant): Nil
4	AIS Briefing Office	Nil
5	ATS Reporting Office(ARO)	Nil
6	MET Briefing Office	H24 (NEW CHITOSE)
7	ATS	0000 - 0800 Remarks:AFIS provided by New Chitose Airport Office.
8	Fuelling	Nil
9	Handling	0000 - 0800
10	Security	0000 - 0800
11	De-icing	Nil
12	Remarks	Nil

RJEO AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	Nil
2	Fuel/ oil types	Nil
3	Fuelling facilities/ capacity	Nil
4	De-icing facilities	Nil
5	Hangar space for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	Nil

RJEO AD 2.5 PASSENGER FACILITIES

1	Hotels	Nil
2	Restaurants	Nil
3	Transportation	Buses and Taxis
4	Medical facilities	Hospital in Okushiri-cho 18km
5	Bank and Post Office	Post Office in Okushiri-cho
6	Tourist Office	Nil
7	Remarks	Nil

RJEO AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	CAT 4
2	Rescue equipment	Chemical fire fighting truck x 1, Emergency medical equipments conveyance truck x 1
3	Capability for removal of disabled aircraft	Nil
4	Remarks	Nil

RJEO AD 2.7 SEASONAL AVAILABILITY-CLEARING

1	Types of clearing equipment	Snow sweeper x 2 , Rotary x 1, Truck x 2, Dozer x 2, Motor grader x 1, Wheel Loader x 1, Anti freezing agent spreader x 1
2	Clearance priorities	1.RWY, 2:TWY, 3:Apron
3	Remarks	Nil

RJEO AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	Apron surface and strength	Surface:asphalt-concrete, Strength:PCN 17/F/B/Y/T
2	Taxiway width, surface and strength	WIDTH : 18m Surface:asphalt-concrete, Strength:PCN 17/F/B/Y/T
3	ACL and elevation	Not available
4	VOR checkpoints	Not available
5	INS checkpoints	(Spot NR) 1: *420419.44N/1392607.31E* 2: *420420.37N/1392605.17E*
6	Remarks	Nil

RJEO 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 (Marking):RWY designation, RWY CL, RWY THR, Aiming point, TDZ, RWY side stripe (LGT):REDL, RTHL, RENL, RWY DIST marker LGT TWY: (Marking):TWY CL, RWY HLDG PSN, TWY side stripe (LGT):TWY edge LGT
3	Stop bars	Nil
4	Remarks	(Marking):Overrun area, ACFT PRKG PSN, Apron TWY CL (LGT):Apron flood LGT

RJEO AD 2.10 AERODROME OBSTACLES

In approach/TKOF areas

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

In circling area and at AD

Obstacle type	Coordinates	Elevation	Markings/ LGT	Remarks
Mountain•Tree	*420537N/1392622E*	425FT	- / LIM(Red)	

RJEO AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	NEW CHITOSE
2	Hours of service MET Office outside hours	H24 (NEW CHITOSE)
3	Office responsible for TAF preparation Periods of validity	Nil
4	Trend forecast Interval of issuance	Nil
5	Briefing/ consultation provided	Briefing is available upon inquiry at NEW CHITOSE
6	Flight documentation Language(s) used	C En
7	Charts and other information available for briefing or consultation	S_6, U_{85}, U_7, U_5, U_3, U_{25}, U_2/T_r, P_S, P_5, P_3, P_{25}, P_{SWE}, P_{SWF}, P_{SWG}, P_{SWI}, P_{SWM}, P_{SW}(domestic), E, C, W_E, W_F, W_G, W_I, W, N
8	Supplementary equipment available for providing information	Nil
9	ATS units provided with information	RADIO
10	Additional information(limitation of service, etc.)	Nil

RJEO 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	120.15°	1500x45	PCN 17/F/B/Y/T Asphalt Concrete	*420429.89N* *1392530.71E* 108FT	THR ELEV : 180FT
31	300.15°	1500x45	PCN 17/F/B/Y/T Asphalt Concrete	*420405.46N* *1392627.13E* 109FT	THR ELEV : 141FT

Slope of RWY	Strip Dimensions(M)	RESA(Overrun) Dimensions(M)	Remarks
7	10	11	14
See AD2.24 AD CHART	1620x150	40x150 40x150	RWY grooving:1500m x 45m

RJEO AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
13 31	1500 1500	1500 1500	1500 1500	1500 1500	Nil Nil

RJEO 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	Nil	Green	PAPI 3.0°/LEFT 310.5m 45ft	Nil	Nil	1,500m 60m Coded color (White/Yellow) LIH	Red	Nil (*2)
31	Nil(*1)	Green	PAPI 3.0°/LEFT 238.7m 45ft	Nil	Nil	1,500m 60m Coded color (White/Yellow) LIH	Red	Nil (*2)
Remarks								
10								
3 APCH LGT beacon are installed at 270m intervals from RWY31 THR.(*1) Overrun area edge LGT(LEN:60m,Color:Red) (*2) RWY THR ID LGT for RWY 13/31 THR (Color: White)								

RJEO AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location,characteristics and hours of operation	ABN:*420423N1392612E*, White/Green EV4.3sec,HO
2	LDI location and LGT Anemometer location and LGT	LDI:Nil Anemometer: RWY13:450m from RWY13 THR, 67m from RWY CL RWY31:142m from RWY31 THR, 67m from RWY CL
3	TWY edge and centerline lighting	TWY edge LGT:Blue TWY CL LGT:Nil
4	Secondary power supply/switch-over time	Within 8 sec:ALL LGT
5	Remarks	WDI LGT

RJEO AD 2.16 HELICOPTER LANDING AREA

Nil

RJEO 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
Nil				

RJEO AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
AFIS	Okushiri Radio	122.7MHz	0000 - 0800	Operated by New Chitose Airport Office.

RJEO 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
VOR (10°W/2019)	ORE	109.85MHz	0000 - 0800	*420413.09N/* *1392636.25E*	-	VOR unusable: 360°-010° Beyond 15nm BLW 4,000ft. 010°-030° Beyond 10nm BLW 4,000ft. 030°-070° Beyond 30nm BLW 7,000ft. 350°-360° Beyond 30nm BLW 3,000ft.
DME	ORE	1122MHz (CH-35Y)	0000 - 0800	*420413.09N/* *1392636.25E*	168ft	DME unusable: 360°-010° Beyond 15nm BLW 4,000ft. 010°-030° Beyond 10nm BLW 4,000ft. 030°-050° Beyond 25nm BLW 7,000ft. 050°-070° Beyond 30nm BLW 7,000ft. 320°-350° Beyond 30nm BLW 3,000ft. 350°-360° Beyond 25nm BLW 3,000ft.
MSAS		1575.42MHz	H24			Transmitting antennas are satellite based.

RJEO 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

RJEO AD 2.21 NOISE ABATEMENT PROCEDURES

Nil

RJEO AD 2.22 FLIGHT PROCEDURES

1. TAKE OFF MINIMA

	RWY	REDL AVBL	REDL OUT
		CEIL-VIS	CEIL-VIS
TKOF ALTN AP FILED	13	300´-1000m	300´-1200m
	31		
Other	13	AVBL LDG MINIMA	
	31		

NOTE: SIDs are designed in accordance with provisional standards for FLIGHT PROCEDURE DESIGN.

2. TAKE OFF MINIMA for RNAV DEPARTURE

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

RJEO AD 2.23 ADDITIONAL INFORMATION

Nil

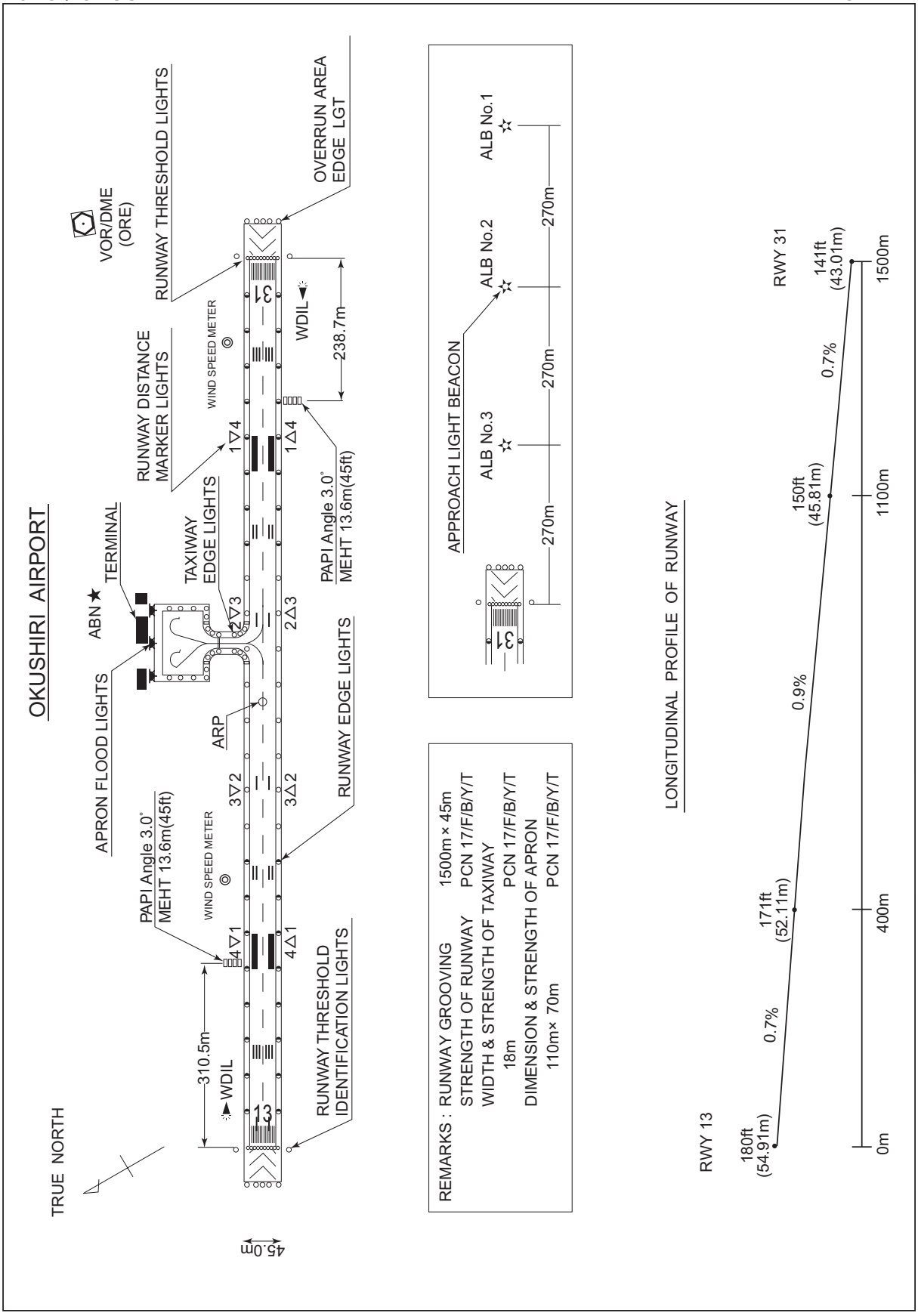
RJEO AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome/Heliport Chart
Standard Departure Chart - Instrument (ESASI)*
Standard Departure Chart - Instrument (AONAE-RNAV)
Standard Arrival Chart - Instrument (IKORU-RNAV)
Instrument Approach Chart (VOR RWY31)*
Instrument Approach Chart (VOR RWY13)*
Instrument Approach Chart (VOR A)*
Instrument Approach Chart (RNP RWY31)
Instrument Approach Chart (RNP RWY13)
Other Chart(Visual REP)

*: Designed in accordance with provisional standards for FLIGHT PROCEDURE DESIGN.

RJEO / OKUSHIRI AD CHART

CHANGE : WIND SPEED METER added.



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STANDARD DEPARTURE CHART - INSTRUMENT

RJEO / OKUSHIRI SID

ESASI TWO DEPARTURE

RWY13 : Turn left,...

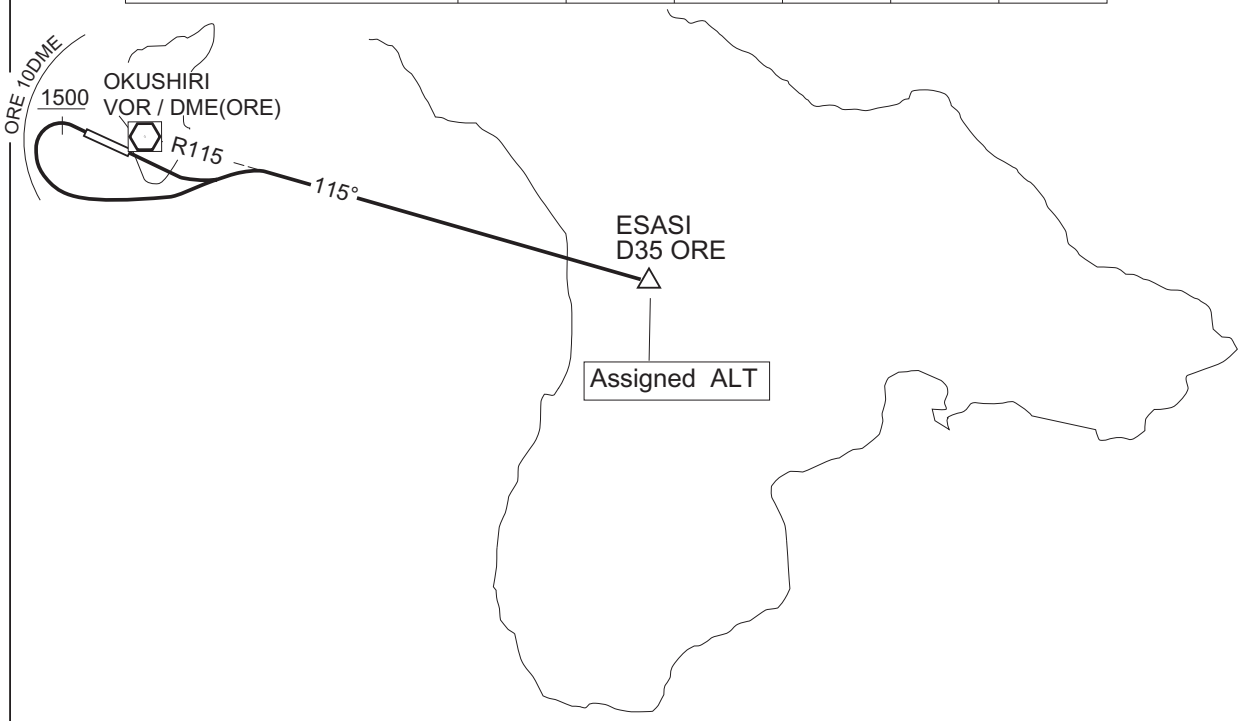
RWY31 : Climb via RWY HDG until 1500FT or above, complete left turn within ORE 10DME,...

...climb via ORE R115 to ESASI.

Cross ESASI at assigned or specified altitude.

Note : When take off from RWY13, following climb gradient should be maintained until 700FT.

Speed (Knots)	60	90	120	150	180	210
Rate (Feet/Min)	300	450	600	750	900	1050



CHANGE : TAKE OFF MINIMA deleted.

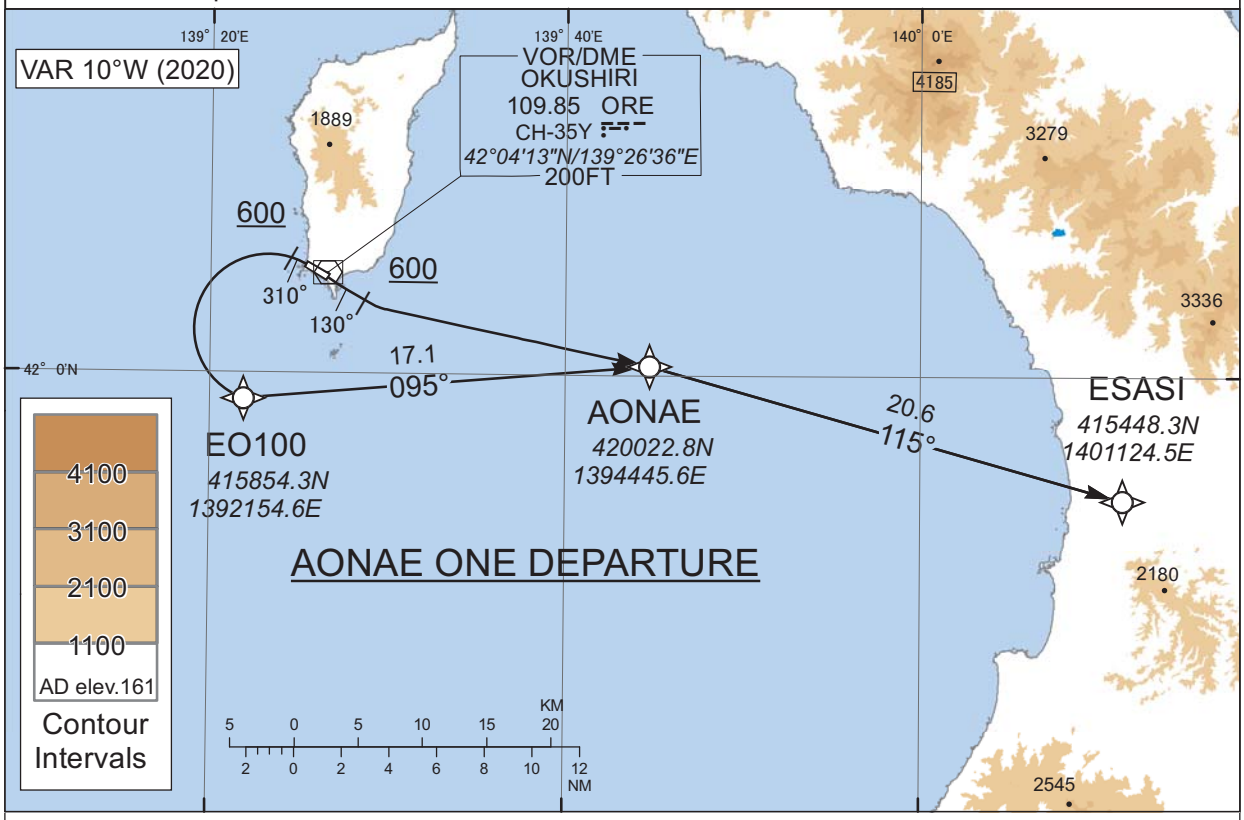
STANDARD DEPARTURE CHART - INSTRUMENT

RJEO / OKUSHIRI

RNAV SID

AONAE ONE DEPARTURE	Basic RNP1

Note GNSS required.



AONAE ONE DEPARTURE

RWY13:Climb on HDG130°at or above 600FT, turn left direct to AONAE, to ESASI.
RWY31:Climb on HDG310°at or above 600FT, turn left direct to EO100, to AONAE, to ESASI.

Note RWY31: 4.5% climb gradient required up to 600FT.
OBST ALT 209FT located at 0.1NM 354°FM end of RWY31

RWY13

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	-	-	130 (120.3)	-9.8	-	-	+600	-	-	Basic RNP1
002	DF	AONAE	-	-	-9.8	-	L	-	-	-	Basic RNP1
003	TF	ESASI	-	115 (105.6)	-9.8	20.6	-	-	-	-	Basic RNP1

RWY31

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	-	-	310 (300.3)	-9.8	-	-	+600	-	-	Basic RNP1
002	DF	EO100	-	-	-9.8	-	L	-	-	-	Basic RNP1
003	TF	AONAE	-	095 (084.9)	-9.8	17.1	-	-	-	-	Basic RNP1
004	TF	ESASI	-	115 (105.6)	-9.8	20.6	-	-	-	-	Basic RNP1

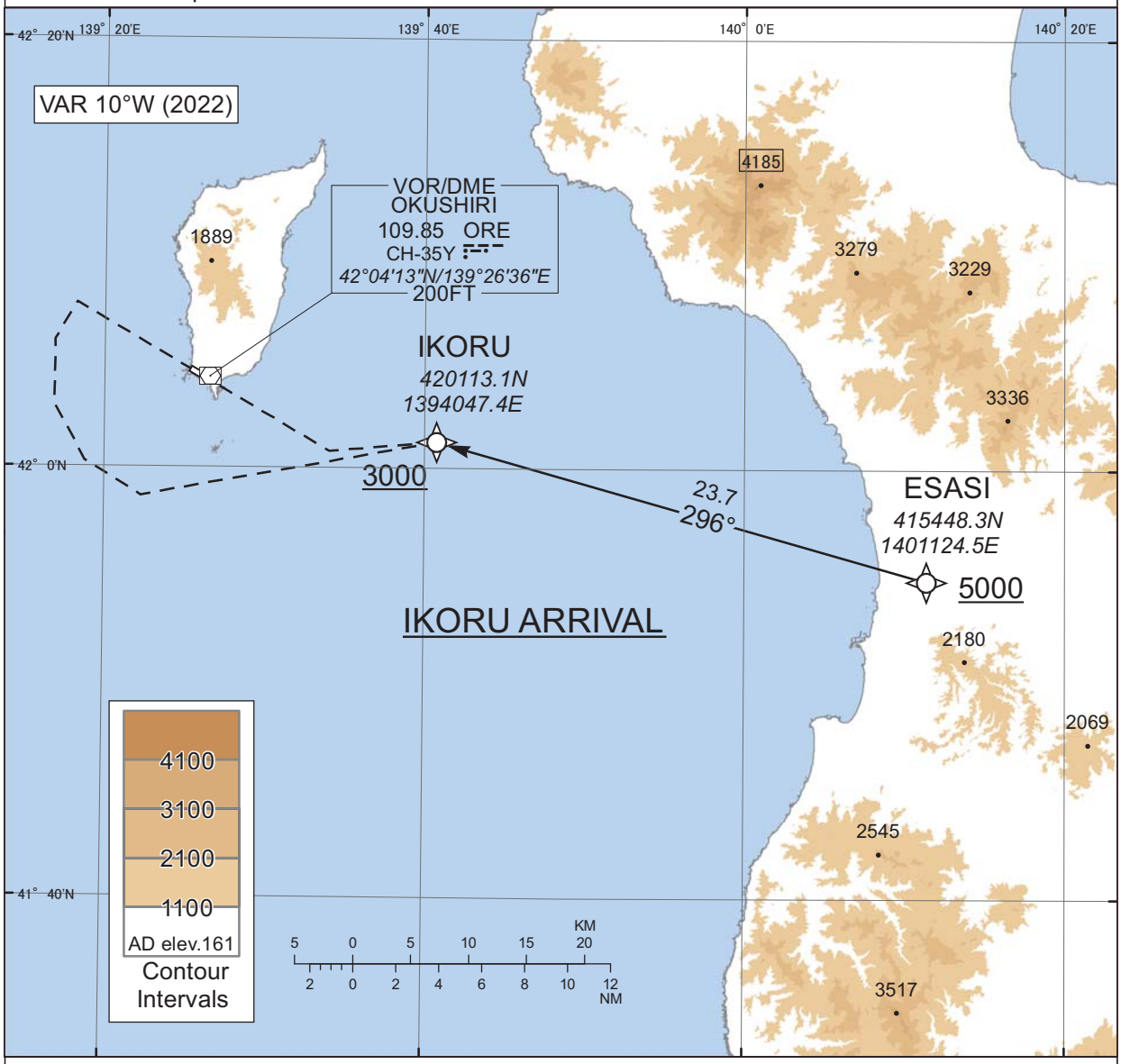
CHANGE : New PROC

STANDARD ARRIVAL CHART - INSTRUMENT

RJEO / OKUSHIRI — RNAV STAR

IKORU ARRIVAL	Basic RNP1

Note GNSS required.



IKORU ARRIVAL

From ESASI at or above 5000FT, to IKORU 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	ESASI	-	-	-9.9	-	-	+5000	-	-	Basic RNP1
002	TF	IKORU	-	296 (285.9)	-9.9	23.7	-	+3000	-	-	Basic RNP1

CHANGE : VAR. Connected PROC course after IKORU added.

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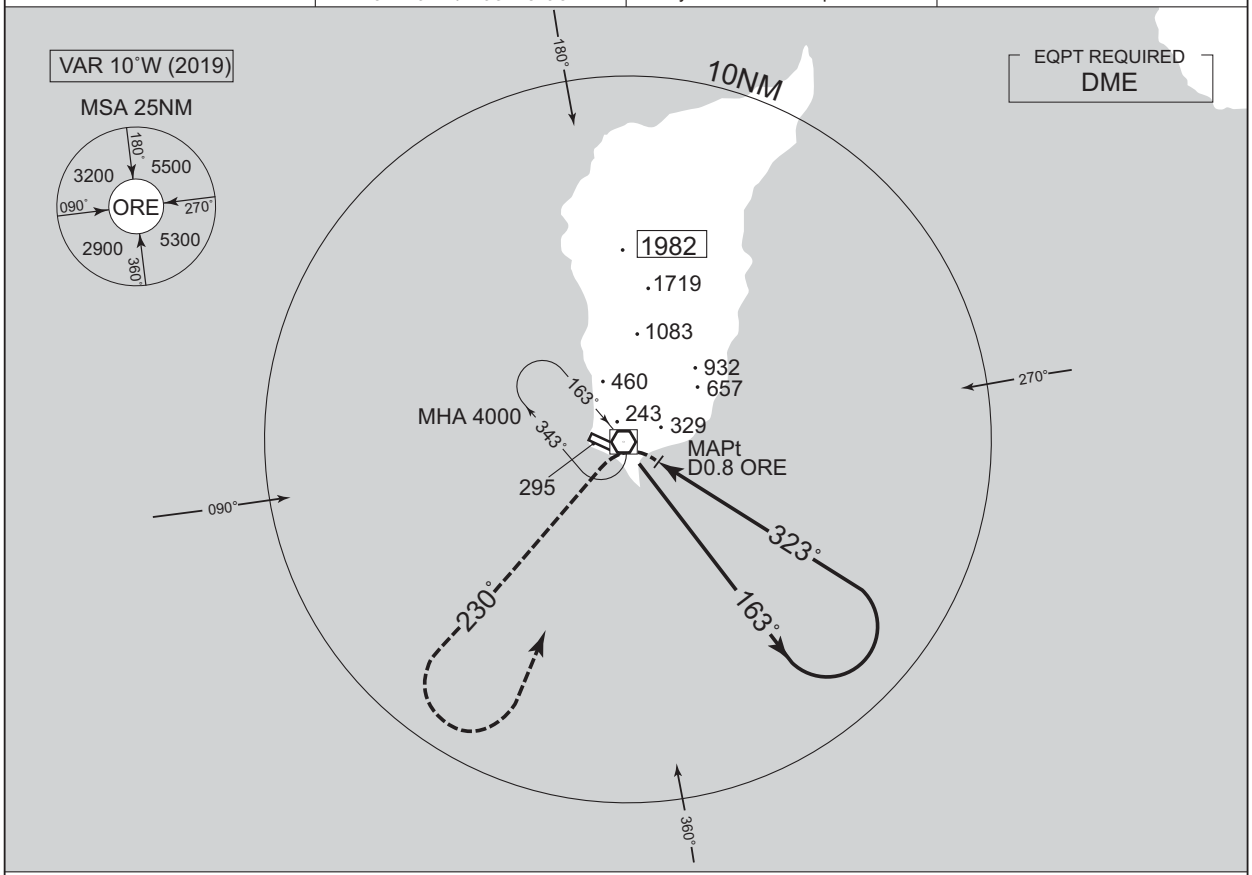
INSTRUMENT APPROACH CHART

RJEO / OKUSHIRI VOR RWY31

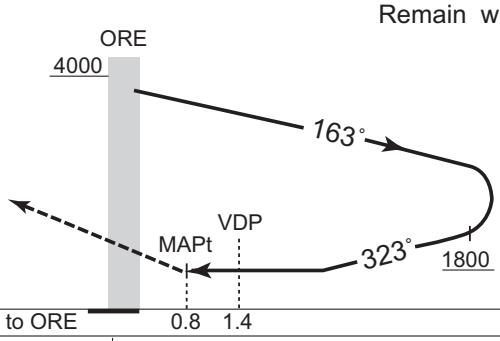
SAPPORO CONTROL	OKUSHIRI VOR/DME	OKUSHIRI RADIO	NO RADAR
119.3 – 276.5 134.25 – 260.4	109.85 ORE CH–35Y *42˚04´13˝N / 139˚26´36˝E*	122.7 AFIS provided by New Chitose Airport Office	



MISSED APPROACH

Turn left, climb to 3000FT or above via ORE R230, turn left direct to ORE VOR/DME within ORE 10.0DME and hold at 4000FT.
Contact OKUSHIRI RADIO.

Remain within ORE 10.0DME



MINIMA THR elev. 141 AD elev. 161

CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	600 (459)	1500	600 (439)	1600
B			620 (459)	
C		2000		2400
D	–	–	–	–

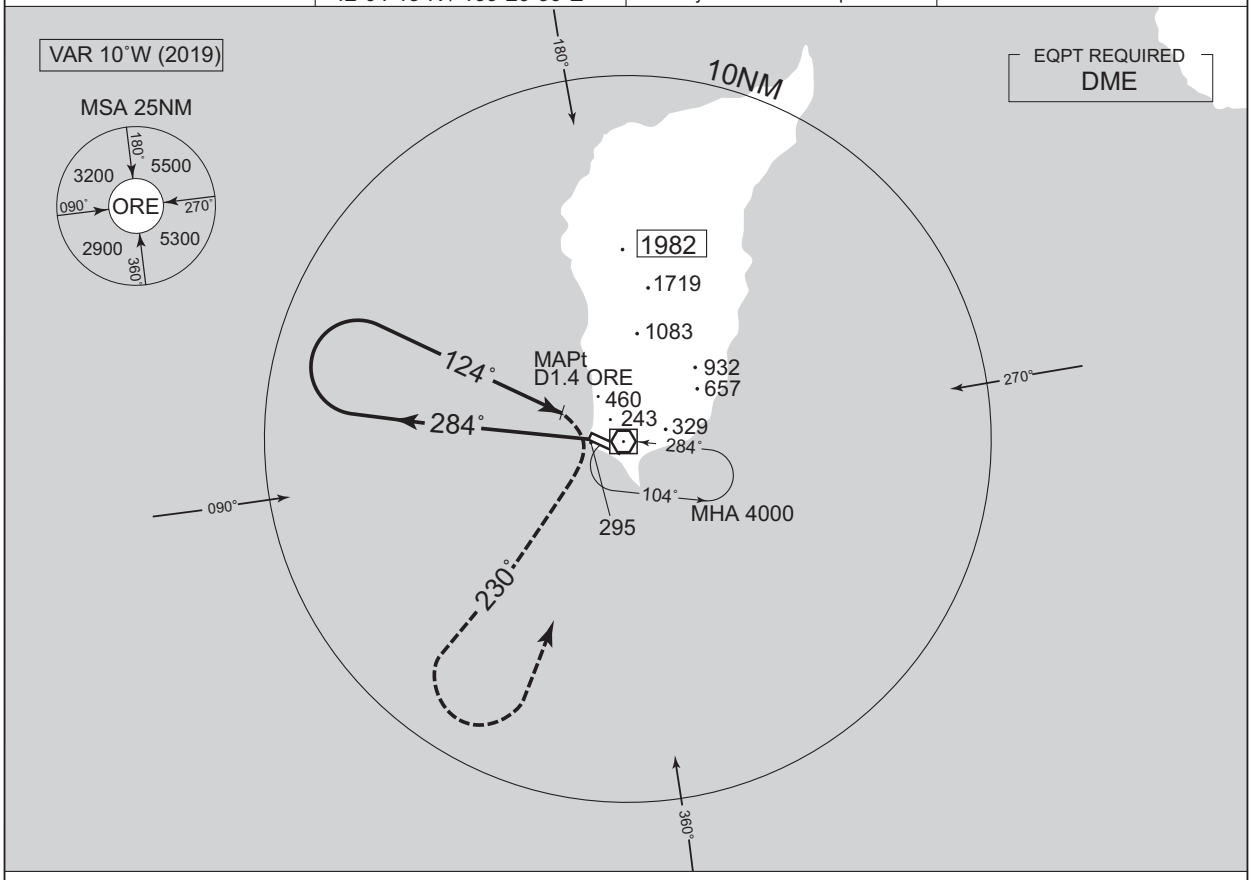
Circling to SOUTH side of RWY only.

CHANGE : Call sign(REMOTE→RADIO). AFIS unit added.

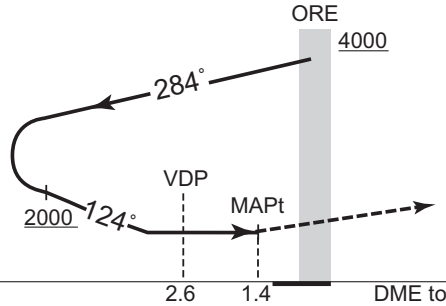
INSTRUMENT APPROACH CHART

RJEO / OKUSHIRI VOR RWY13

SAPPORO CONTROL	OKUSHIRI VOR/DME	OKUSHIRI RADIO	NO RADAR
119.3 – 276.5 134.25 – 260.4	109.85 ORE CH–35Y *42˚04´13˝N / 139˚26´36˝E*	122.7 AFIS provided by New Chitose Airport Office	



Remain within ORE 10.0DME



MISSED APPROACH
Turn right, climb to 3000FT or above via ORE R230, turn left direct to ORE VOR/DME within ORE 10.0DME and hold at 4000FT.
Contact OKUSHIRI RADIO.

MINIMA THR elev. 180 AD elev. 161

CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	760 (599)	1500	760 (599)	1600
B				
C		2000		2400
D	–	–	–	–

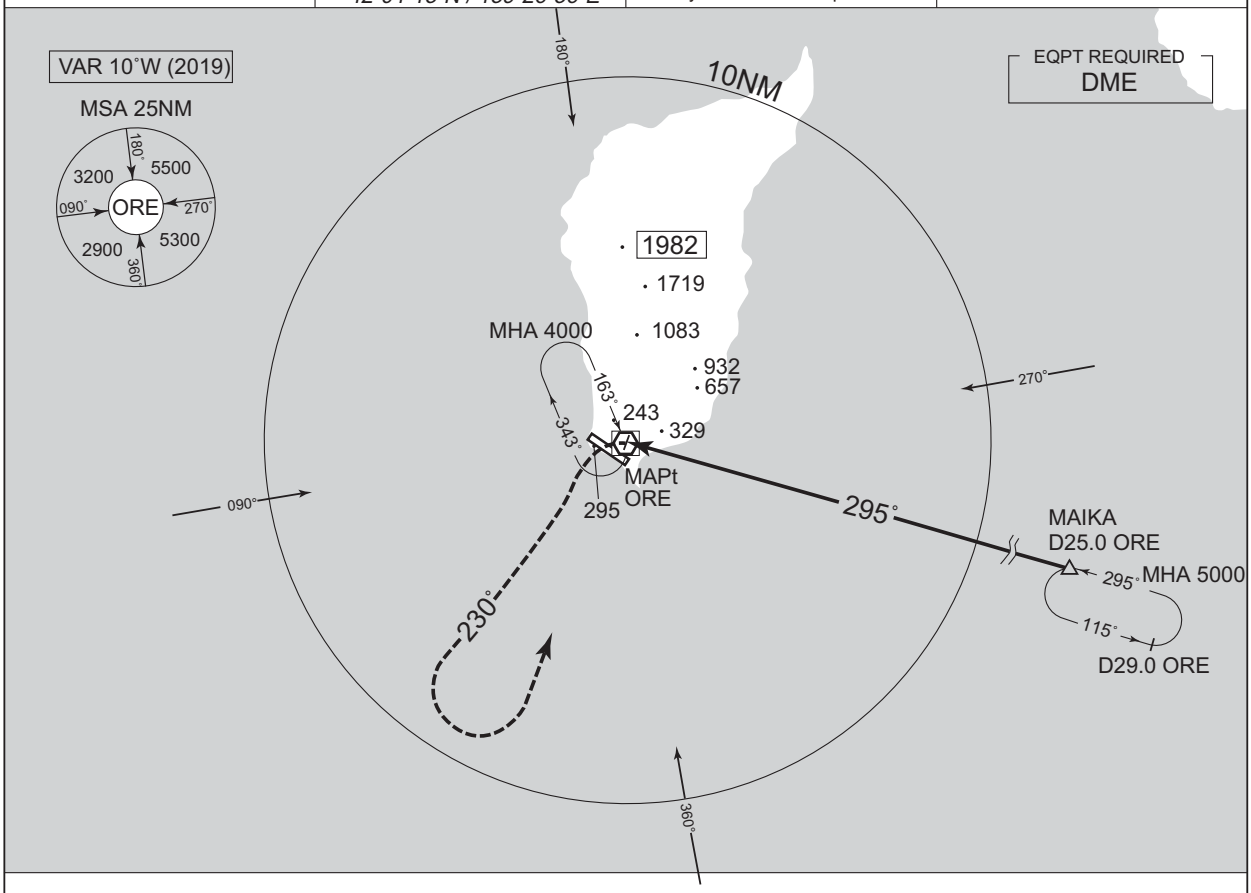
Circling to SOUTH side of RWY only.

CHANGE : Call sign(REMOTE→RADIO). AFIS unit added.

INSTRUMENT APPROACH CHART

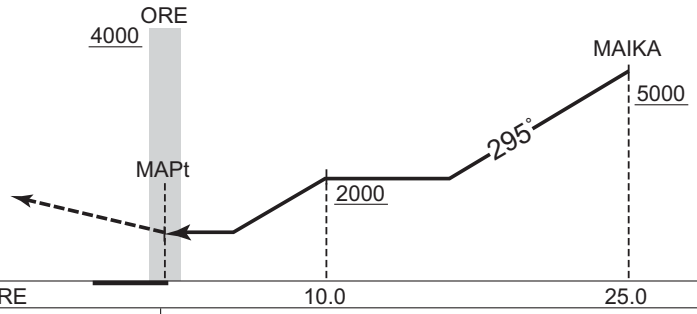
RJEO / OKUSHIRI VOR A

SAPPORO CONTROL	OKUSHIRI VOR/DME	OKUSHIRI RADIO	NO RADAR
119.3 – 276.5 134.25 – 260.4	109.85 ORE CH–35Y *42˚04´13˝N / 139˚26´36˝E*	122.7 AFIS provided by New Chitose Airport Office	



MISSED APPROACH

Turn left, climb to 3000FT or above via ORE R230, turn left direct to ORE VOR/DME within ORE 10.0DME and hold at 4000FT. Contact OKUSHIRI RADIO.



MINIMA AD elev. 161

CAT	CIRCLING	
	MDA(H)	VIS
A	960 (799)	1600
B		
C		2400
D	–	–

Circling to SOUTH side of RWY only.

CHANGE : Call sign(REMOTE→RADIO). AFIS unit added.

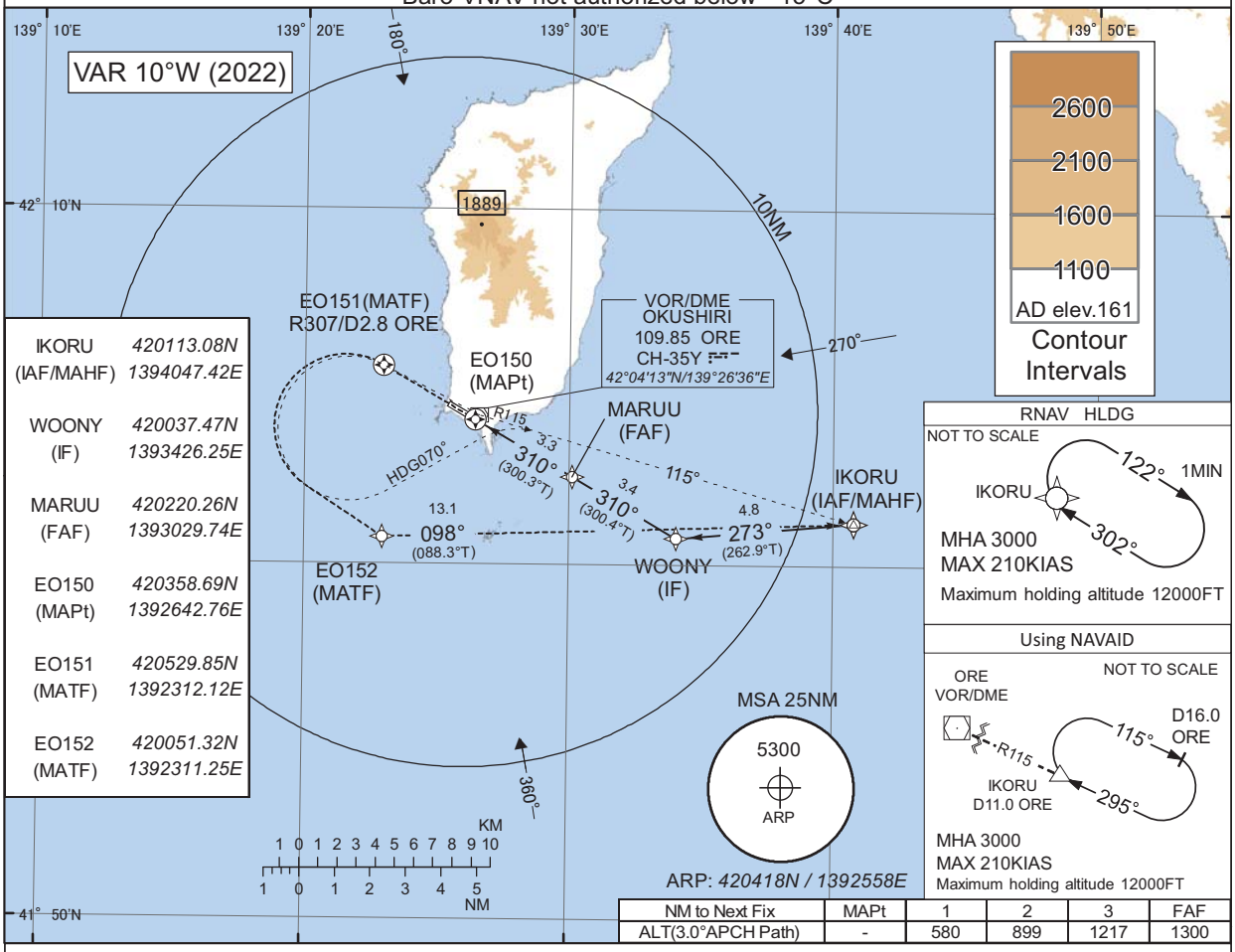
INSTRUMENT APPROACH CHART

RJEO / OKUSHIRI

RNP RWY31

SAPPORO CONTROL	RNP APCH	OKUSHIRI RADIO	NO RADAR
119.3 - 276.5 134.25 - 260.4	MSAS CH 62166 M31A	122.7 AFIS provided by New Chitose Airport Office	

Baro-VNAV not authorized below -15°C

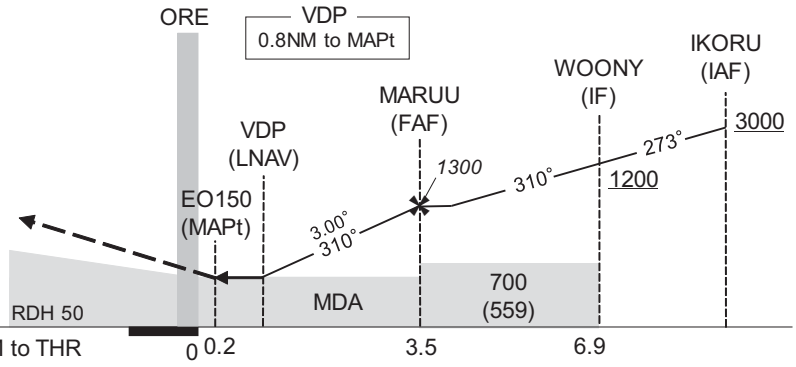


NM to Next Fix	MAPt	1	2	3	FAF
ALT(3.0°APCH Path)	-	580	899	1217	1300

MISSED APPROACH

Direct to EO151, turn left direct to EO152,
to IKORU and hold at 3000FT.
Contact OKUSHIRI RADIO.

(For using VOR/DME)
Climb via ORE R307 to ORE 2.8DME, turn left
HDG070° to intercept and proceed via ORE
R115 to IKORU and hold at 3000FT.
Contact OKUSHIRI RADIO.



MINIMA THR elev. 141 AD elev. 161

CAT	LPV		LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	428(287)	1500	490(349)	1500	490(349)	1500	600(439)	1600
B	438(297)						620(459)	
C	447(306)	1800		1800		1800		2400
D	-	-	-	-	-	-	-	-

Circling to SOUTH side of RWY only.

CHANGE : PROC renamed. Requirement for RNP.

INSTRUMENT APPROACH CHART

RJEO / OKUSHIRI RNP RWY31

FAS DATA BLOCK

Operation type	0	LTP/FTP ellipsoidal height	+00760
SBAS service provider identifier	2	FPAP Latitude	*420433.0405N*
Airport identifier	RJEO	FPAP Longitude	*1392523.3970E*
Runway	31	Threshold Crossing Height	00015.0
Approach performance designator	0	TCH units selector	1
Route indicator		Glide path angle	03.00
Reference path data selector	0	Course width at threshold	105.00
Reference path ID	M31A	⊿ length offset	0192
LTP/FTP latitude	*420405.4465N*	HAL	40.0
LTP/FTP longitude	*1392627.1545E*	VAL	50.0
CRC remainder	D0B5F768		

Required additional data

LTP/FTP orthometric height	42.8

CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).

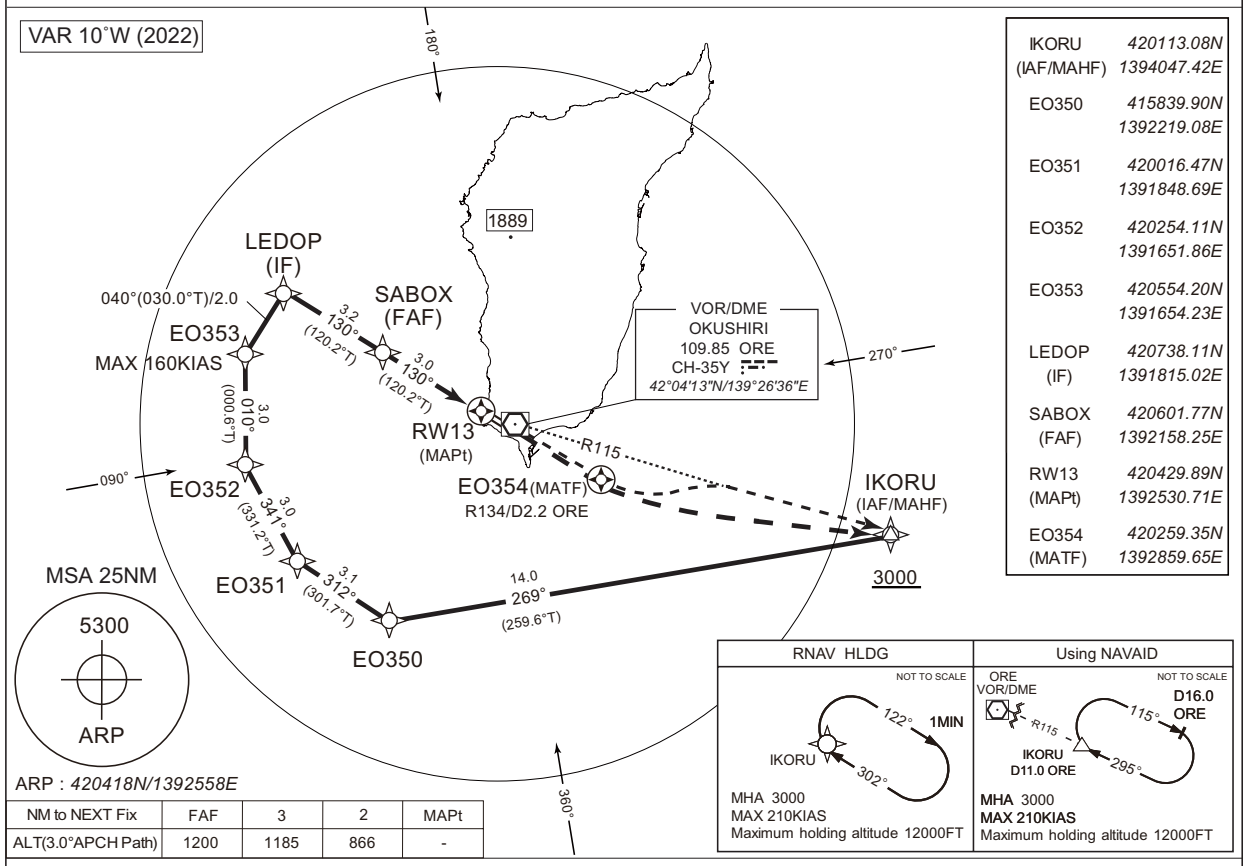
INSTRUMENT APPROACH CHART

RJEO / OKUSHIRI

RNP RWY13

SAPPORO CONTROL	RNP APCH	OKUSHIRI RADIO	NO RADAR
119.3 – 276.5 134.25 – 260.4	MSAS CH 81047 M13A	122.7 AFIS provided by New Chitose Airport Office	

Baro-VNAV not authorized below -15°C

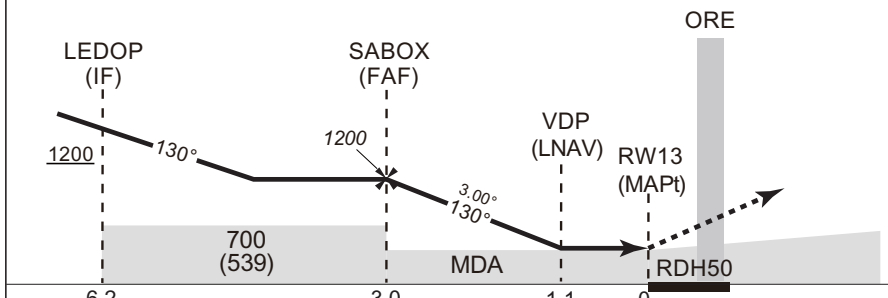


ARP : *420418N/1392558E*

NM to NEXT Fix	FAF	3	2	MAPt
ALT(3.0°APCH Path)	1200	1185	866	-

IKORU (IAF/MAHF)	*420113.08N 1394047.42E*
EO350	*415839.90N 1392219.08E*
EO351	*420016.47N 1391848.69E*
EO352	*420254.11N 1391651.86E*
EO353	*420554.20N 1391654.23E*
LEDOP (IF)	*420738.11N 1391815.02E*
SABOX (FAF)	*420601.77N 1392158.25E*
RW13 (MAPt)	*420429.89N 1392530.71E*
EO354 (MATF)	*420259.35N 1392859.65E*

RNAV HLDG	Using NAVAID
NOT TO SCALE 122° 1MIN IKORU 302° MHA 3000 MAX 210KIAS Maximum holding altitude 12000FT	ORE VOR/DME NOT TO SCALE D16.0 ORE R115 115° IKORU D11.0 ORE 295° **MHA** 3000 **MAX 210KIAS** Maximum holding altitude 12000FT



MISSED APPROACH

Direct to EO354, turn left direct to IKORU and hold at 3000FT.
Contact OKUSHIRI RADIO.

(for using VOR/DME)
Climb via ORE R134 to 2.2DME, turn left to intercept and proceed via ORE R115 to IKORU and hold at 3000FT.
Contact OKUSHIRI RADIO.

MINIMA — THR elev. 180 — AD elev. 161

CAT	LPV		LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	430(250)	1500	560(380)	1500	560(399)	1500	600(439)	1600
B	437(257)						620(459)	
C	447(267)	1600		1800		1800		2400
D	—	—	—	—	—	—	—	—

Circling to SOUTH side of RWY only.

CHANGE:PROC renamed. Requirement for RNP.

INSTRUMENT APPROACH CHART

RJEO / OKUSHIRI RNP RWY13

FAS DATA BLOCK

Operation type	0	LTP/FTP ellipsoidal height	+00878
SBAS service provider identifier	2	FPAP Latitude	*420402.2720N*
Airport identifier	RJEO	FPAP Longitude	*1392634.4865E*
Runway	13	Threshold Crossing Height	00015.0
Approach performance designator	0	TCH units selector	1
Route indicator		Glide path angle	03.00
Reference path data selector	0	Course width at threshold	105.00
Reference path ID	M13A	⊿ length offset	0192
LTP/FTP latitude	*420429.8670N*	HAL	40.0
LTP/FTP longitude	*1392530.7315E*	VAL	50.0
CRC remainder	D63254BC		

Required additional data

LTP/FTP orthometric height	54.8

CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).

RJEO / OKUSHIRI

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 : Call sign(REMOTE→RADIO).

Call sign	BRG / DIST from ARP	Remarks
稲穂岬 Inahomisaki	028°T / 12.0NM	灯台 Lighthouse
10NM E	090°T / 10.0NM	海上 Over the sea
10NM SE	135°T / 10.0NM	海上 Over the sea

INTENTIONALLY LEFT BLANK