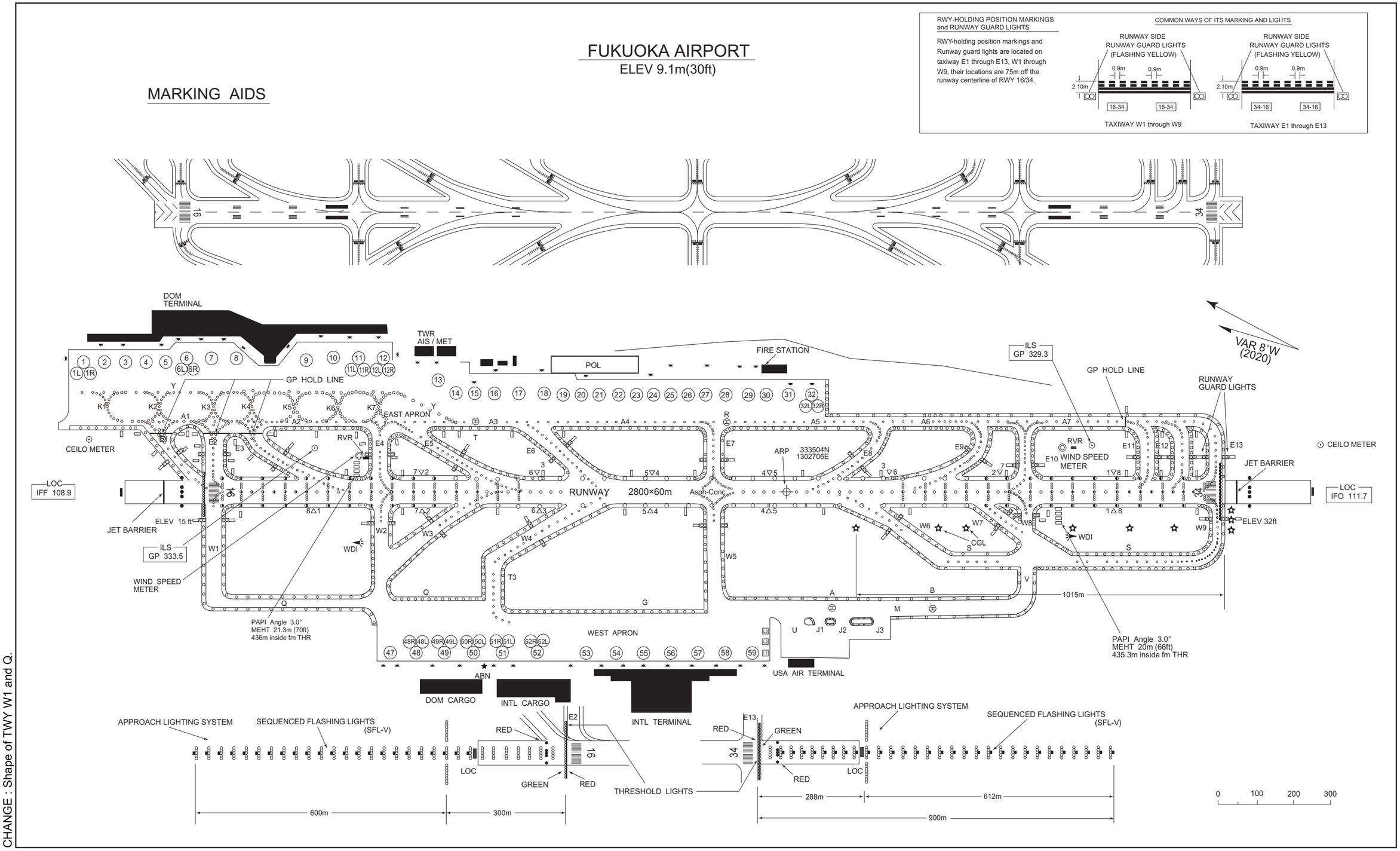
AERODROME CHART

FUKUOKA AIRPORT

ELEV 9.1m(30ft)

MARKING AIDS

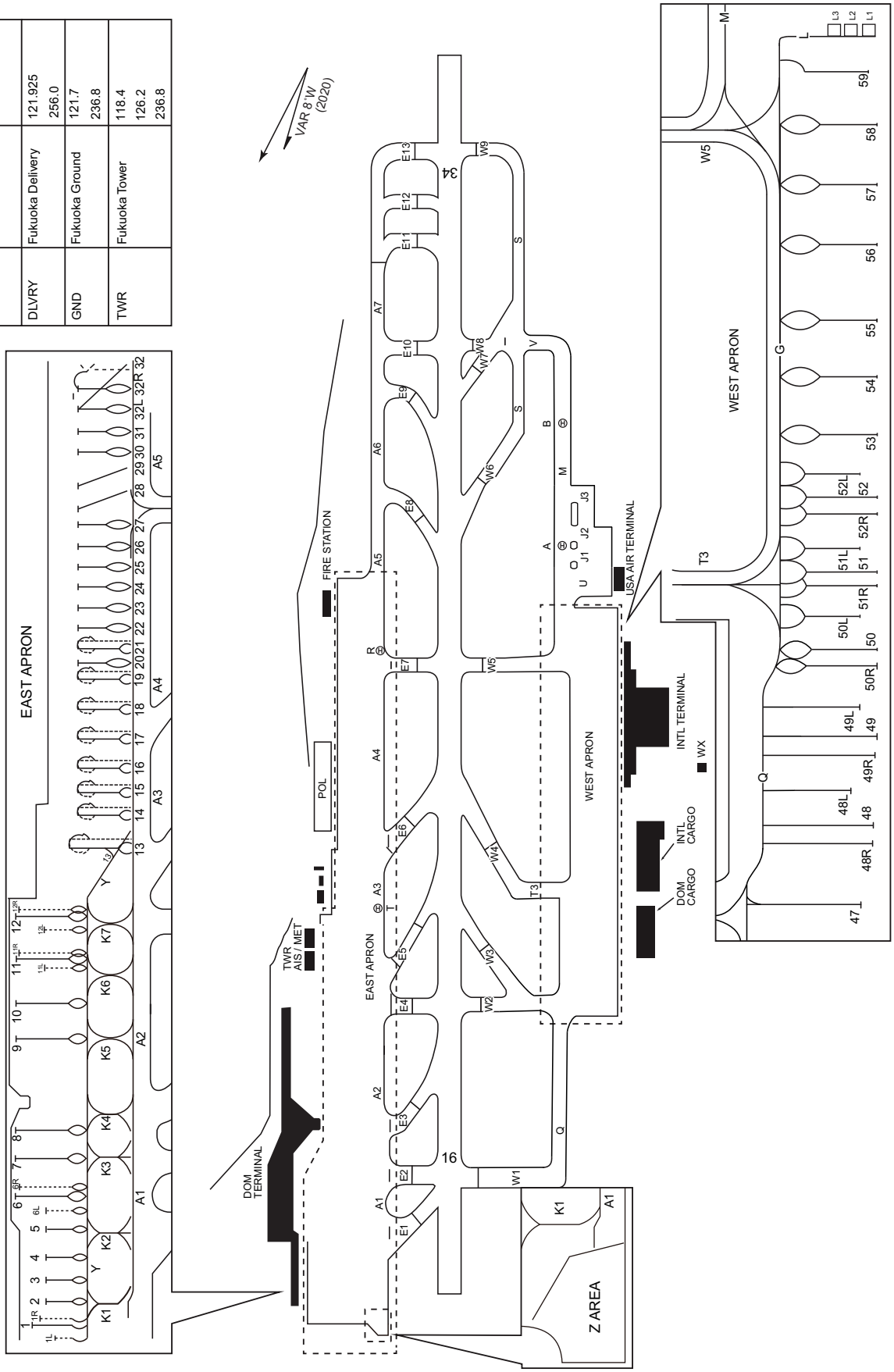


CHANGE : Shape of TWY W1 and Q.

CHANGE : Shape of TWY W1 and Q.

FUKUOKA AP
ELEV 9.1m(30ft)ARP

Designation	Call Sigh	Frequency(MHz)
ATIS	Fukuoka Airport	127.2
DLVRY	Fukuoka Delivery	121.925 256.0
GND	Fukuoka Ground	121.7 236.8
TWR	Fukuoka Tower	118.4 126.2 236.8



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AERODROME OBSTACLE CHART-ICAO

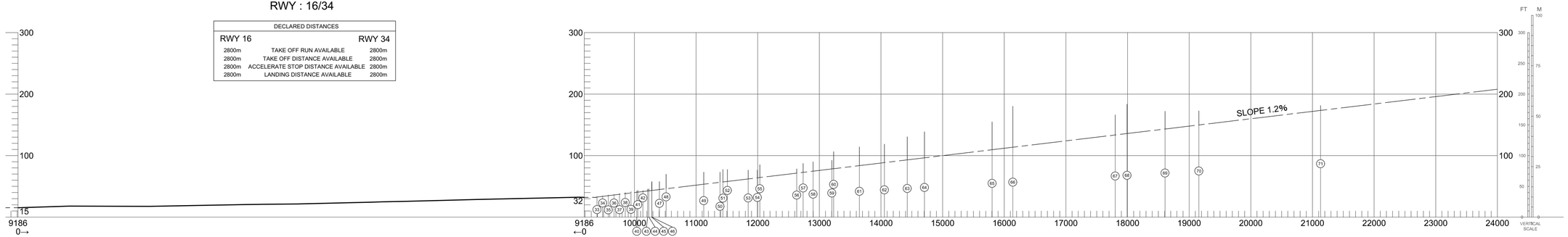
TYPE A (OPERATING LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 8° W-MAR 2020

FUKUOKA AIRPORT
RWY : 16/34

DECLARED DISTANCES		
RWY 16		RWY 34
2800m	TAKE OFF RUN AVAILABLE	2800m
2800m	TAKE OFF DISTANCE AVAILABLE	2800m
2800m	ACCELERATE STOP DISTANCE AVAILABLE	2800m
2800m	LANDING DISTANCE AVAILABLE	2800m



LEGEND

- IDENTIFICATION NUMBER
- POLE, TOWER, SPIRE, ANTENNA, ETC
- AERONAUTICAL GROUND LIGHT
- OBSTRUCTION LIGHT
- BUILDING OR LARGE STRUCTURE
- RAILROAD
- TRIANGULATION POINT
- TRANSMISSION LINE OR OVERHEAD CABLE
- LEVEE
- RIVER
- TREE
- LAKE
- CONTOURS(ft)

AMENDMENT RECORD		
Nr	DATE	ENTERED BY

HORIZONTAL SCALE

FEET

METERS

CHANGE:Update

AERODROME OBSTACLE CHART-ICAO

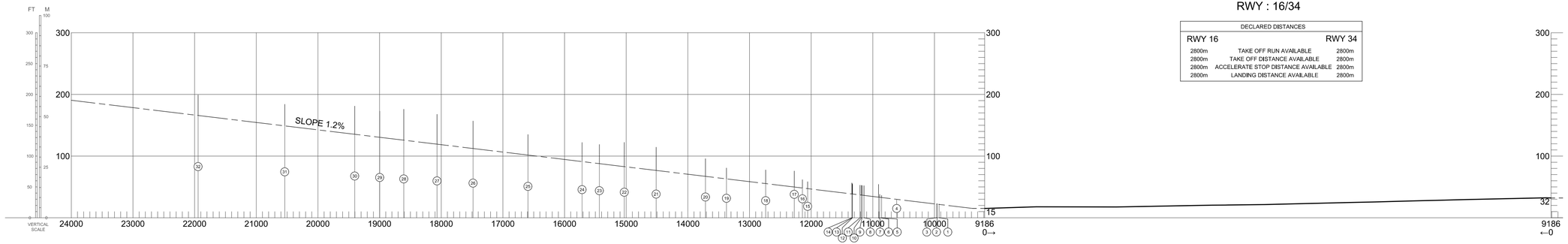
TYPE A (OPERATING LIMITATIONS)

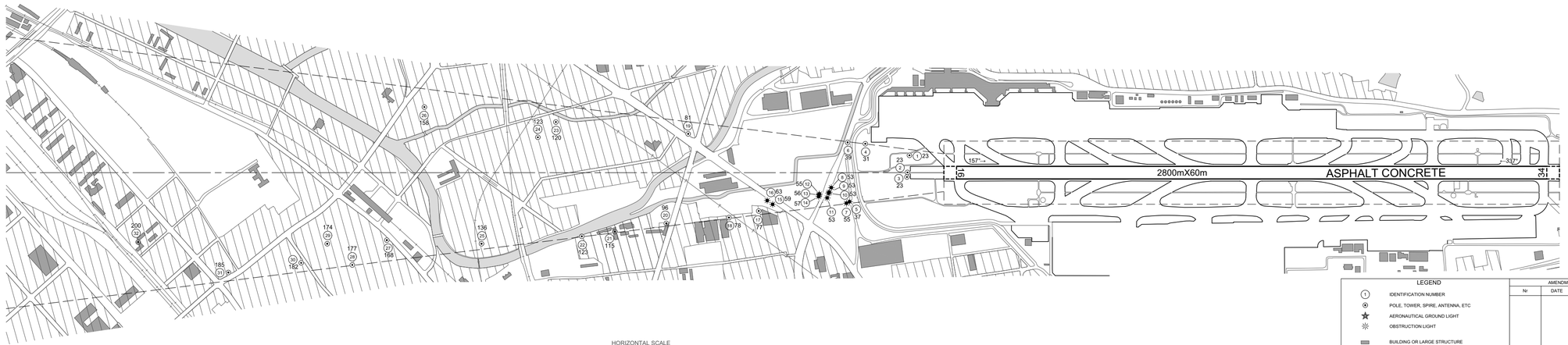
DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 8°W-MAR 2020

FUKUOKA AIRPORT
RWY : 16/34

DECLARED DISTANCES		
RWY 16		RWY 34
2800m	TAKE OFF RUN AVAILABLE	2800m
2800m	TAKE OFF DISTANCE AVAILABLE	2800m
2800m	ACCELERATE STOP DISTANCE AVAILABLE	2800m
2800m	LANDING DISTANCE AVAILABLE	2800m





LEGEND

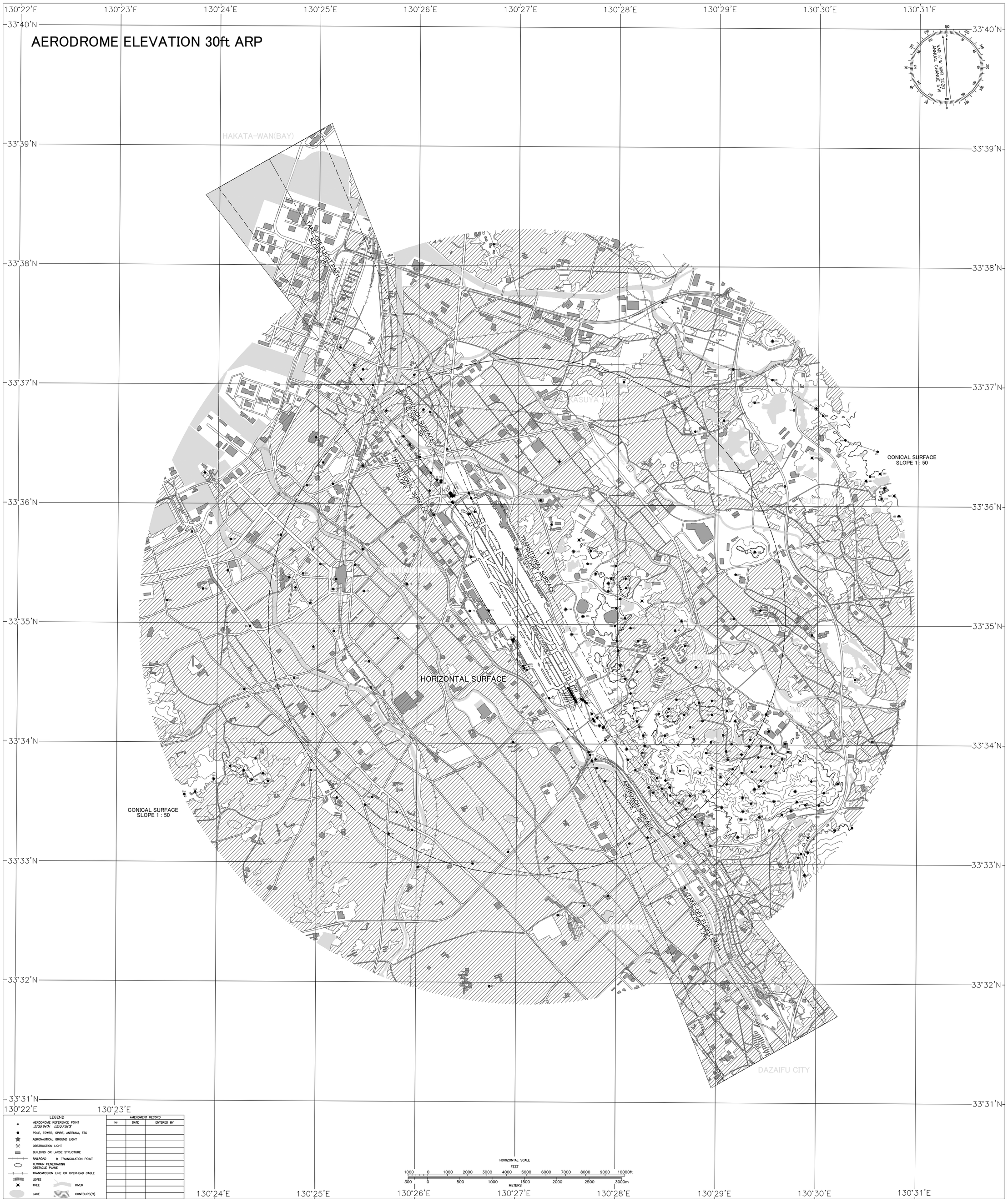
- IDENTIFICATION NUMBER
- POLE, TOWER, SPIRE, ANTENNA, ETC
- AERONAUTICAL GROUND LIGHT
- OBSTRUCTION LIGHT
- BUILDING OR LARGE STRUCTURE
- RAILROAD
- TRIANGULATION POINT
- TRANSMISSION LINE OR OVERHEAD CABLE
- LEVEE
- TREE
- RIVER
- LAKE
- CONTOURS(ft)

AMENDMENT RECORD		
Nr	DATE	ENTERED BY

CHANGE:Update

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

AERODROME OBSTACLE CHART - ICAO
TYPE B



CHANGE:Update

STANDARD DEPARTURE CHART -INSTRUMENT

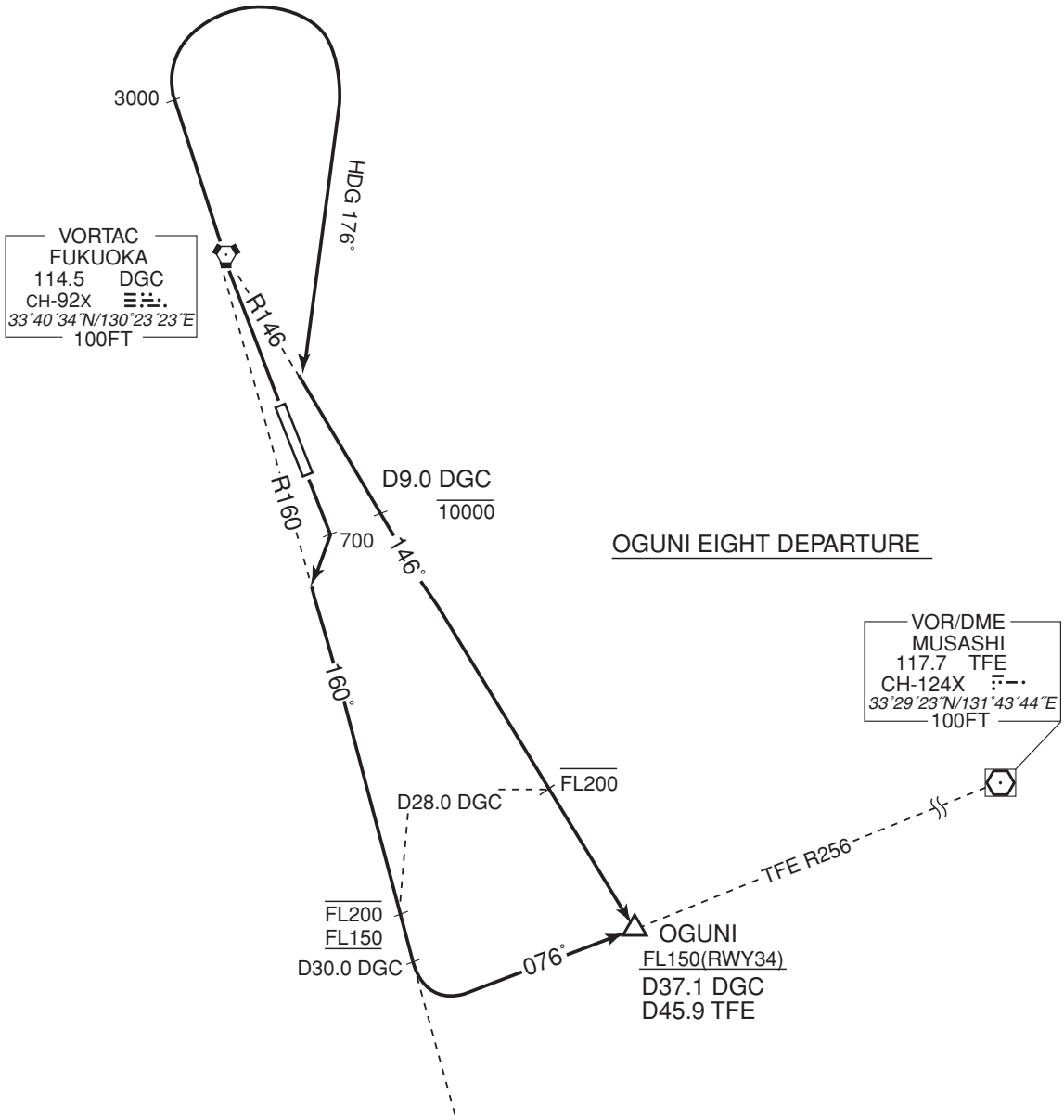
RJFF / FUKUOKA SID

OGUNI EIGHT DEPARTURE

RWY 16 : Climb RWY HDG to 700FT, turn right, via DGC R160 to 30.0DME, turn left, via TFE R256 to OGUNI.
Cross DGC R160/28.0DME between FL150 and FL200.

RWY 34 : Climb RWY HDG to 3000FT, turn right HDG176˚ to intercept and proceed via DGC R146 to OGUNI.
Cross DGC R146/9.0DME at or below 10000FT, cross DGC R146/28.0DME at or below FL200, cross OGUNI at or above FL150.

Note RWY16 : 5.8% climb gradient required up to 1100FT.
OBST ALT 399FT located at 1.2NM 138˚ FM end of RWY16.
OBST ALT 1470FT located at 6.2NM 182˚ FM end of RWY16.



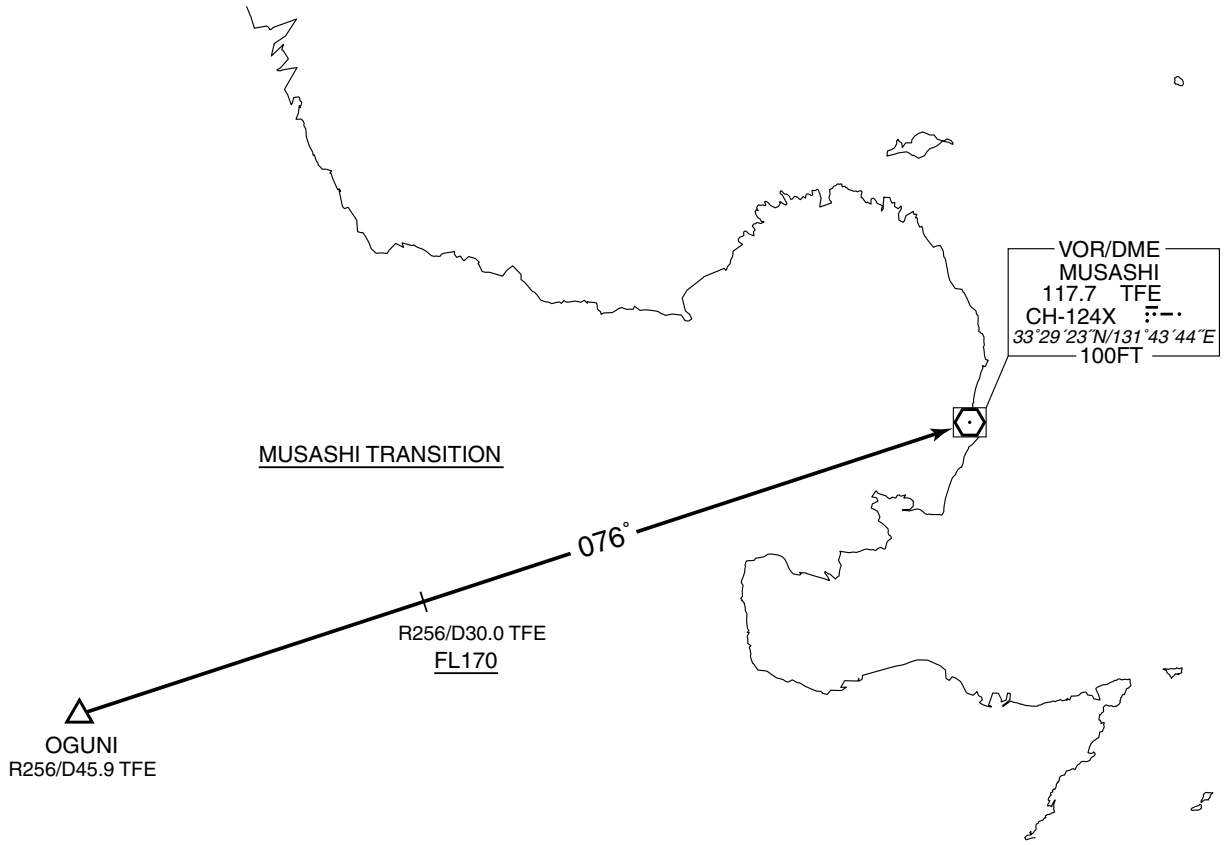
CHANGE : SID renamed

STANDARD DEPARTURE CHART -INSTRUMENT

RJFF / FUKUOKA TRANSITION

MUSASHI TRANSITION

From over OGUNI, via TFE R256 to TFE VOR/DME.
Cross TFE R256/30.0DME at or above FL170.



STANDARD DEPARTURE CHART-INSTRUMENT

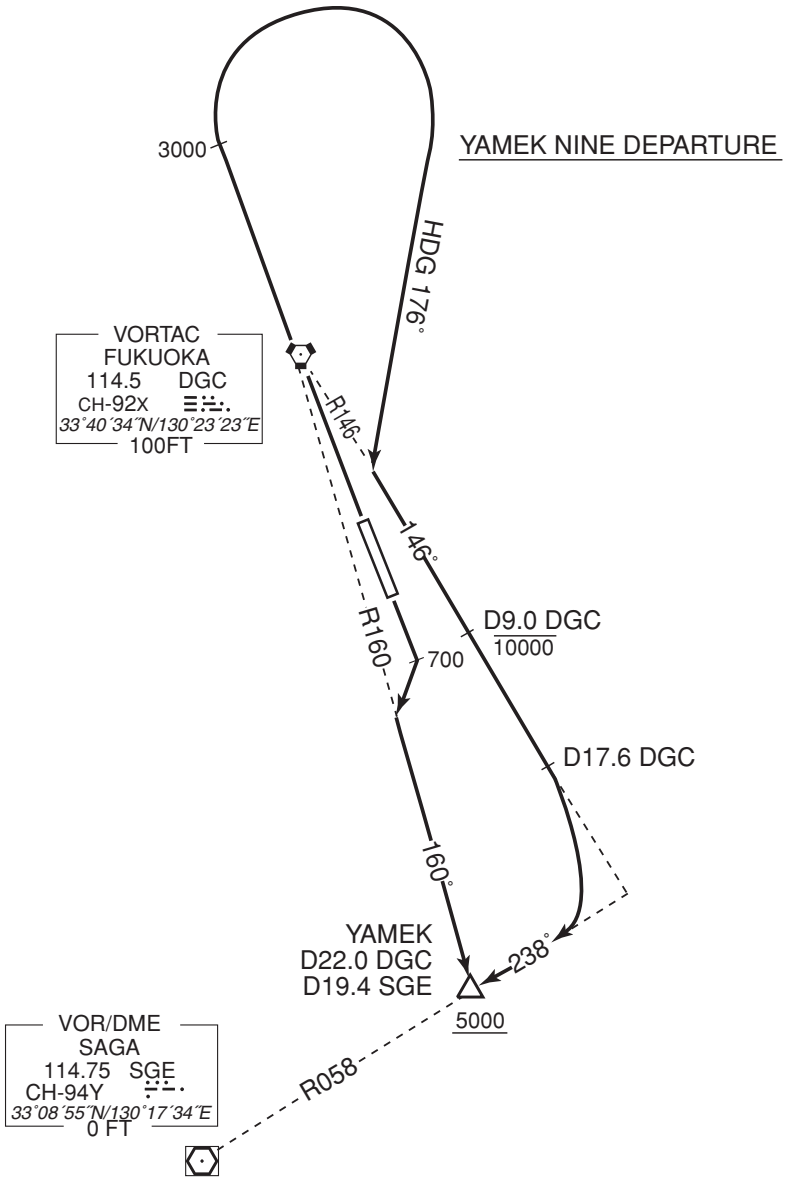
RJFF / FUKUOKA SID

YAMEK NINE DEPARTURE

RWY 16 : Climb RWY HDG to 700FT, turn right, via DGC R160 to YAMEK.
Cross YAMEK at or above 5000FT.

RWY 34 : Climb RWY HDG to 3000FT, turn right HDG 176˚ to intercept and proceed via DGC R146 to DGC 17.6DME, turn right, via SGE R058 to YAMEK.
Cross DGC R146/9.0DME at or below 10000FT, cross YAMEK at or above 5000FT.

Note RWY16 : 5.8% climb gradient required up to 1100FT.
OBST ALT 399FT located at 1.2NM 138˚ FM end of RWY16.
OBST ALT 1470FT located at 6.2NM 182˚ FM end of RWY16.



CHANGE : SID renamed

STANDARD DEPARTURE CHART-INSTRUMENT

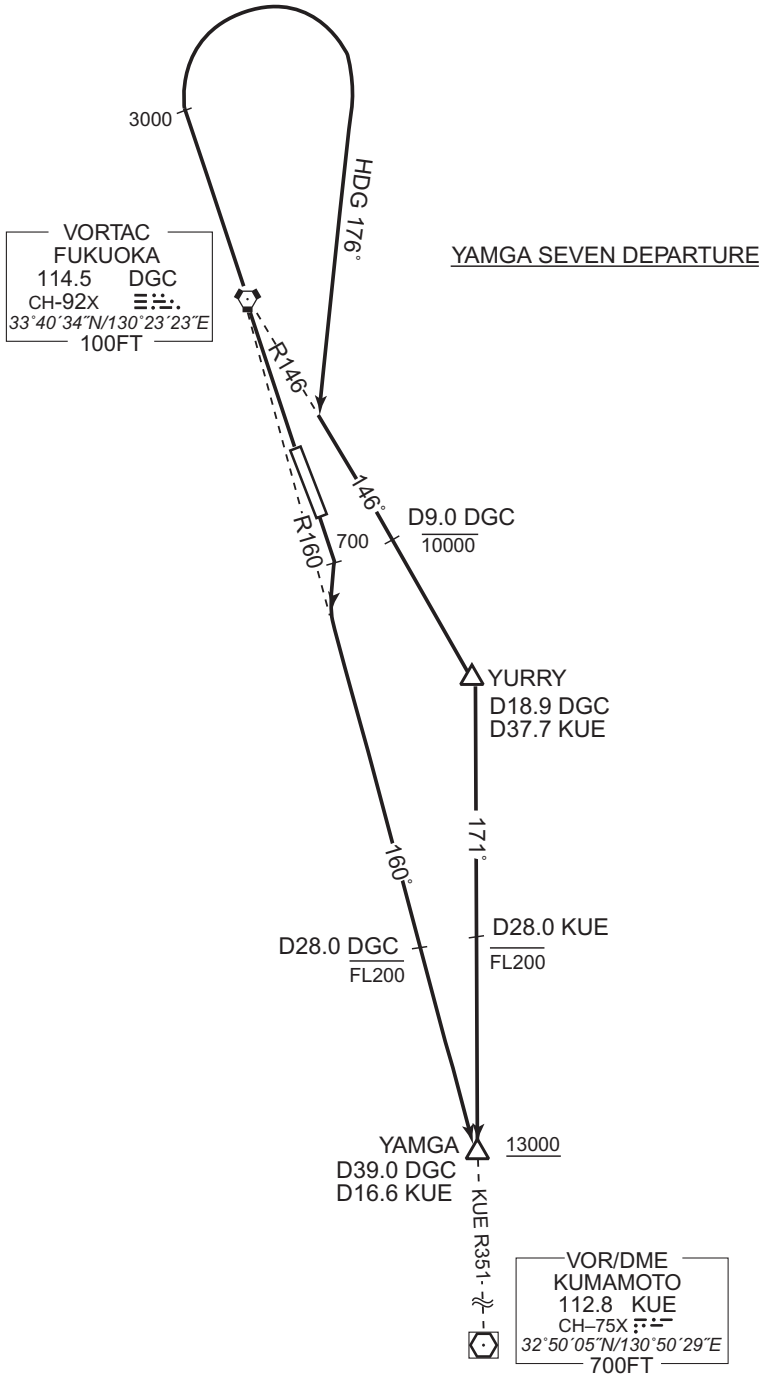
RJFF / FUKUOKA SID

YAMGA SEVEN DEPARTURE

RWY 16 : Climb RWY HDG to 700FT, turn right, via DGC R160 to YAMGA.
Cross DGC R160/28.0DME at or below FL200, cross YAMGA at or above 13000FT.

RWY 34 : Climb RWY HDG to 3000FT, turn right HDG 176˚ to intercept and proceed via DGC R146 to YURRY, turn right, via KUE R351 to YAMGA.
Cross DGC R146/9.0DME at or below 10000FT, cross KUE R351/28.0DME at or below FL200, cross YAMGA at or above 13000FT.

Note RWY16 : 5.8% climb gradient required up to 1100FT.
OBST ALT 399FT located at 1.2NM 138˚ FM end of RWY16.
OBST ALT 1470FT located at 6.2NM 182˚ FM end of RWY16.



CHANGE : PROC renamed. ALT restriction at YAMGA.

STANDARD DEPARTURE CHART-INSTRUMENT

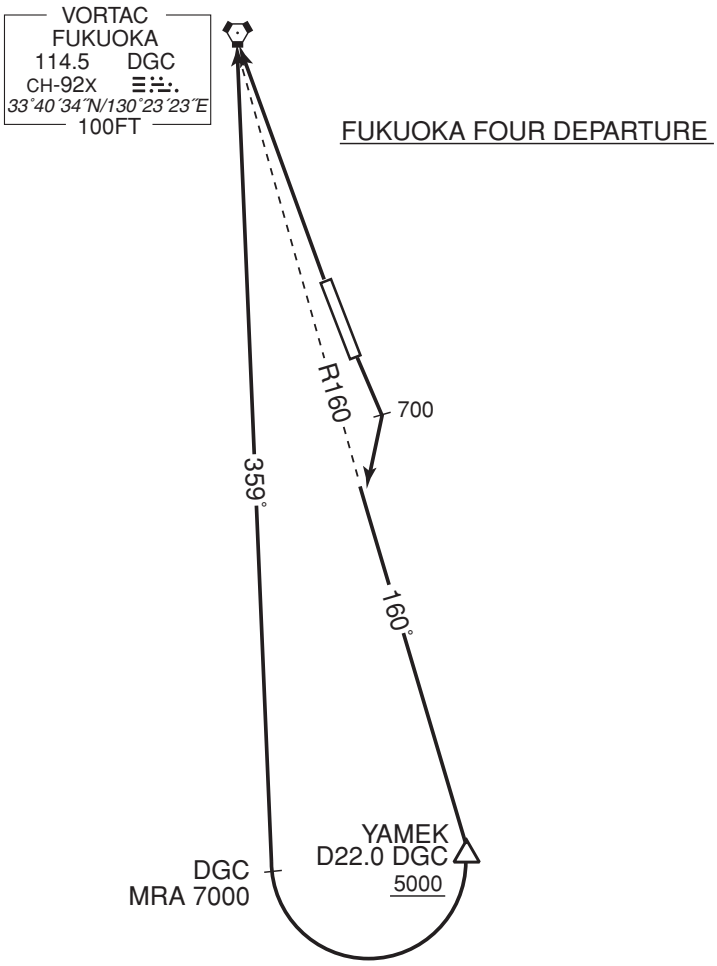
RJFF / FUKUOKA SID

FUKUOKA FOUR DEPARTURE

RWY 16 : Climb RWY HDG to 700FT, turn right, via DGC R160 to YAMEK, turn right, via DGC R179 (MRA 7000FT) to DGC VORTAC.
Cross YAMEK at or above 5000FT.

RWY 34 : Climb direct to DGC VORTAC.

Note RWY16 : 5.8% climb gradient required up to 1100FT.
OBST ALT 399FT located at 1.2NM 138˚ FM end of RWY16.
OBST ALT 1470FT located at 6.2NM 182˚ FM end of RWY16.



CHANGE : MRA added

STANDARD DEPARTURE CHART-INSTRUMENT

RJFF / FUKUOKA TRANSITION

KAGOSHIMA TRANSITION

From over YAMGA, proceed via HKC R012 to HKC VORTAC via KEIKA, IPUDO and AJISE.
Cross KEIKA at or below FL180.

KUMAMOTO TRANSITION

From over YAMGA, proceed via KUE R351 to KUE VOR/DME via ABECK.
Cross ABECK at assigned altitude.

SAGA TRANSITION

From over YAMEK, proceed via SGE R058 to SGE VOR/DME.

MIZMA TRANSITION

From over YAMEK, proceed via SGE R058 to MIZMA.
Cross MIZMA at or above 8000FT.

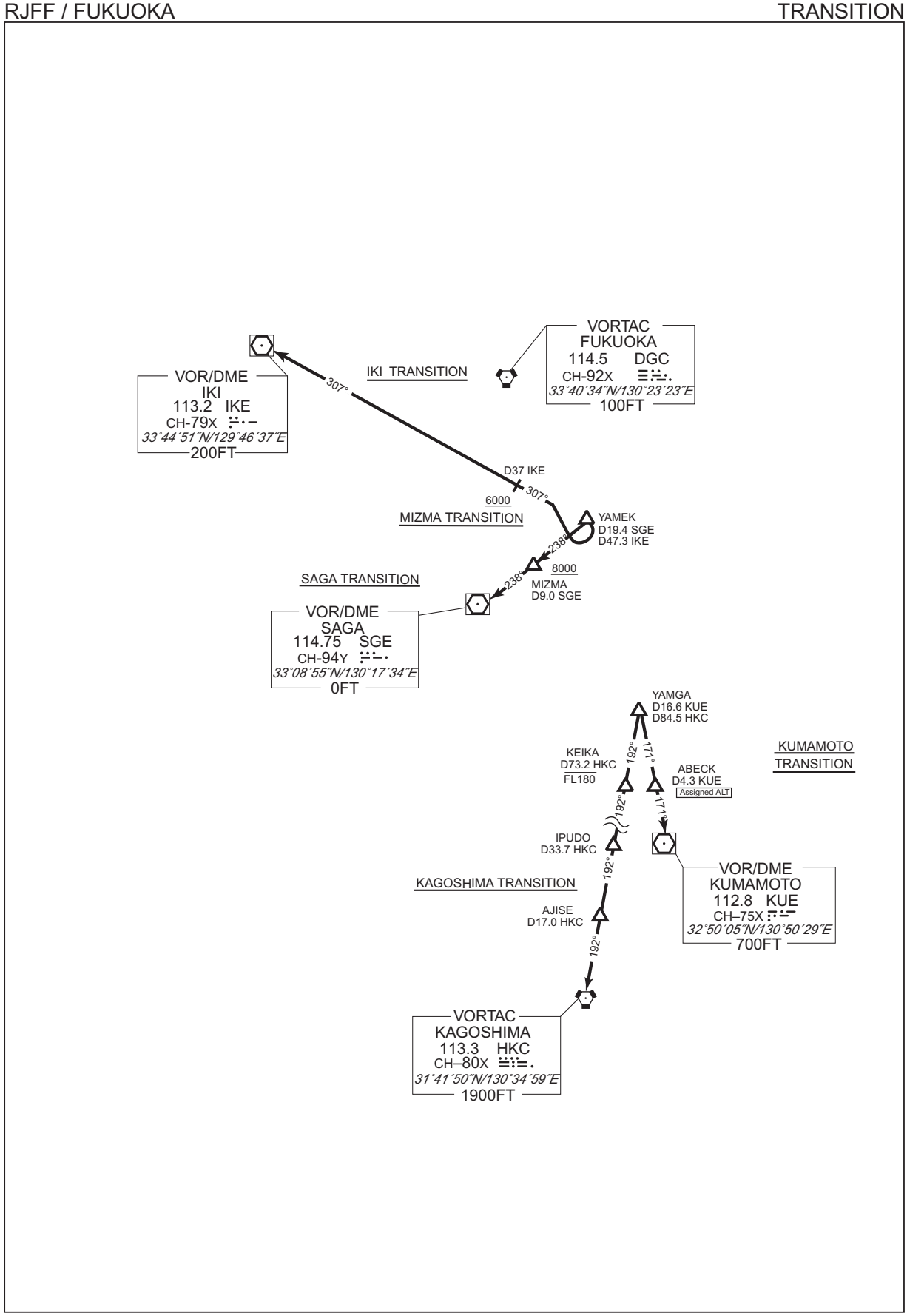
IKI TRANSITION

From over YAMEK, turn right, proceed via IKE R127 to IKE VOR/DME .
Cross IKE R127/37DME at or above 6000FT.

CHANGE : KAGOSHIMA TRANSITION.

STANDARD DEPARTURE CHART-INSTRUMENT

RJFF / FUKUOKA TRANSITION



CHANGE : IPUDO established. ALT restriction at KEIKA.

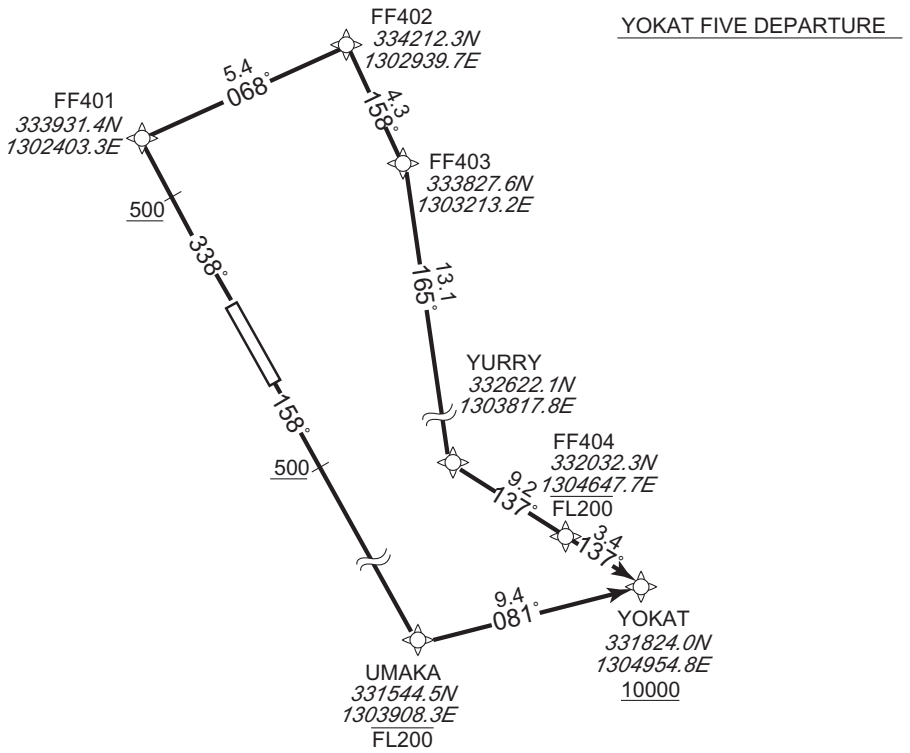
STANDARD DEPARTURE CHART-INSTRUMENT

RJFF / FUKUOKA

RNAV SID

YOKAT FIVE DEPARTURE		RNAV 1
Note 1) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll. 2) RADAR service required.	Critical DME	RWY16 : DGC "1.0NM FM DER～5.4NM FM DER" IKE "1.0NM FM DER～5.4NM FM DER" RWY34 : DGC "3.5NM to FF401～2.2NM to FF401" IKE "3.5NM to FF401～2.2NM to FF401"
	DME GAP	RWY16 :DER～1.0NM FM DER RWY34 :DER～0.9NM FM DER 2.2NM to FF401～FF403
	Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

VAR 8˚W (2020)



YOKAT FIVE DEPARTURE

RWY34 : Climb on HDG 338˚ at or above 500FT, direct to FF401, to FF402, to FF403, to YURRY, to FF404 at or below FL200, to YOKAT at or above 10000FT.

RWY16 : Climb on HDG 158˚ at or above 500FT, direct to UMAKA at or below FL200, to YOKAT at or above 10000FT.

Note RWY34 : 7.0% climb gradient required up to 2800FT.
RWY16 : 5.8% climb gradient required up to 1100FT.
OBST ALT 399FT located at 1.2NM 138˚ FM end of RWY16.
OBST ALT 1470FT located at 6.2NM 182˚ FM end of RWY16.

CHANGE : FIX symbol(YURRY).

STANDARD DEPARTURE CHART-INSTRUMENT

RJFF / FUKUOKA RNAV SID

YOKAT FIVE DEPARTURE

RWY34

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	—	—	338 (330.3)	-7.7	—	—	+500	—	—	RNAV1
002	DF	FF401	—	—	-7.7	—	—	—	—	—	RNAV1
003	TF	FF402	—	068 (060.1)	-7.7	5.4	—	—	—	—	RNAV1
004	TF	FF403	—	158 (150.4)	-7.7	4.3	—	—	—	—	RNAV1
005	TF	YURRY	—	165 (157.2)	-7.7	13.1	—	—	—	—	RNAV1
006	TF	FF404	—	137 (129.4)	-7.7	9.2	—	-FL200	—	—	RNAV1
007	TF	YOKAT	—	137 (129.4)	-7.7	3.4	—	+10000	—	—	RNAV1

RWY16

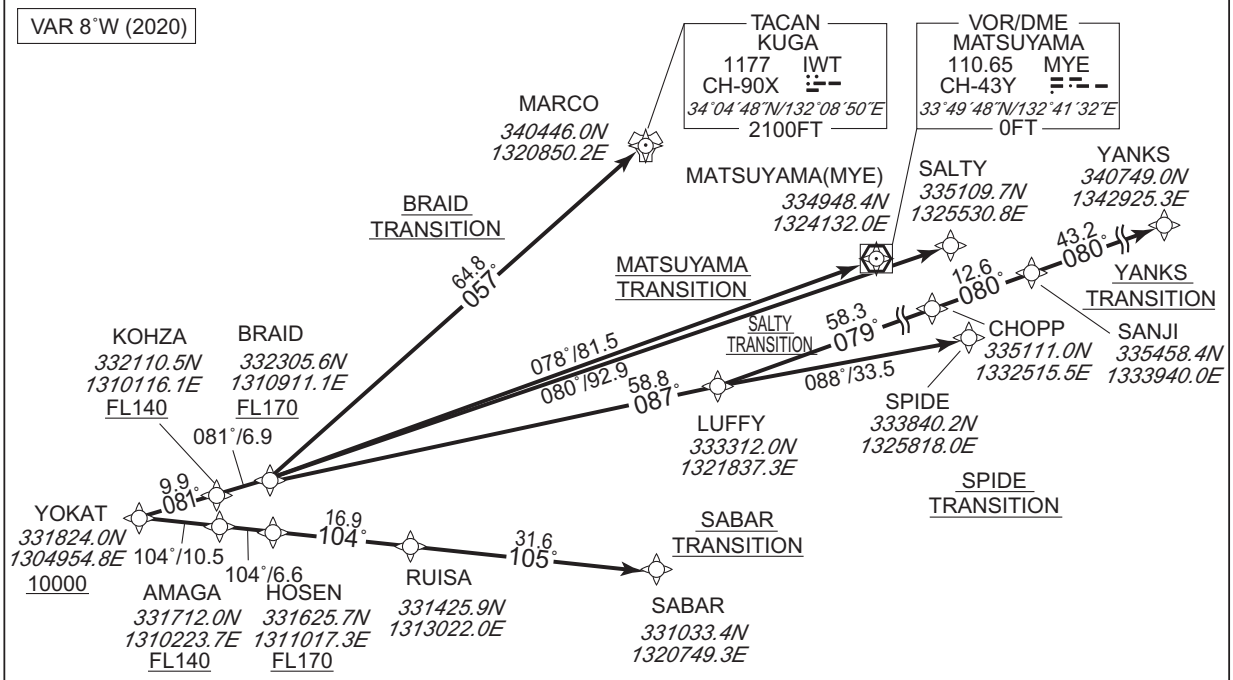
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course ˚M(˚T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	158 (150.3)	-7.7	—	—	+500	—	—	RNAV1
002	DF	UMAKA	—	—	-7.7	—	—	-FL200	—	—	RNAV1
003	TF	YOKAT	—	081 (073.5)	-7.7	9.4	—	+10000	—	—	RNAV1

CHANGE : VAR. PROC renamed. PROC course.

STANDARD DEPARTURE CHART-INSTRUMENT

RJFF / FUKUOKA — RNAV TRANSITION

BRAID TRANSITION / MATSUYAMA TRANSITION / SALTY TRANSITON YANKS TRANSITION / SPIDE TRANSITION / SABAR TRANSITION		RNAV 1
Note 1) DME/DME/IRU or GNSS required. 2) RADAR service required.	Critical DME	SABAR TRANSITION : SWE "YOKAT ~ RUISA" SGE "HOSEN ~ RUISA"
	DME GAP	–
	Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1



BRAID TRANSITION

From YOKAT at or above 10000FT, to KOHZA at or above FL140, to BRAID at or above FL170, to MARCO.

MATSUYAMA TRANSITION

From YOKAT at or above 10000FT, to KOHZA at or above FL140, to BRAID at or above FL170, to MYE.

SALTY TRANSITION

From YOKAT at or above 10000FT, to KOHZA at or above FL140, to BRAID at or above FL170, to SALTY.

YANKS TRANSITION

From YOKAT at or above 10000FT, to KOHZA at or above FL140, to BRAID at or above FL170, to LUFFY, to CHOPP, to SANJI, to YANKS.

SPIDE TRANSITION

From YOKAT at or above 10000FT, to KOHZA at or above FL140, to BRAID at or above FL170, to LUFFY, to SPIDE.

SABAR TRANSITION

From YOKAT at or above 10000FT, to AMAGA at or above FL140, to HOSEN at or above FL170, to RUISA, to SABAR.

CHANGE : VAR. CHOPP established. Course FM BRAID to SALTY. Course FM RUISA to SABAR.

STANDARD DEPARTURE CHART-INSTRUMENT

RJFF / FUKUOKA

RNAV TRANSITION

BRAID 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	YOKAT	—	—	-7.7	—	—	+10000	—	—	RNAV1
002	TF	KOHZA	—	081 (073.6)	-7.7	9.9	—	+FL140	—	—	RNAV1
003	TF	BRAID	—	081 (073.8)	-7.7	6.9	—	+FL170	—	—	RNAV1
004	TF	MARCO	—	057 (049.7)	-7.7	64.8	—	—	—	—	RNAV1

MATSUYAMA 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	YOKAT	—	—	-7.7	—	—	+10000	—	—	RNAV1
002	TF	KOHZA	—	081 (073.6)	-7.7	9.9	—	+FL140	—	—	RNAV1
003	TF	BRAID	—	081 (073.8)	-7.7	6.9	—	+FL170	—	—	RNAV1
004	TF	MYE	—	078 (070.4)	-7.7	81.5	—	—	—	—	RNAV1

SALTY 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	YOKAT	—	—	-7.7	—	—	+10000	—	—	RNAV1
002	TF	KOHZA	—	081 (073.6)	-7.7	9.9	—	+FL140	—	—	RNAV1
003	TF	BRAID	—	081 (073.8)	-7.7	6.9	—	+FL170	—	—	RNAV1
004	TF	SALTY	—	080 (071.9)	-7.7	92.9	—	—	—	—	RNAV1

CHANGE : VAR. Course FM BRAID to SALTY.

STANDARD DEPARTURE CHART-INSTRUMENT

RJFF / FUKUOKA RNAV TRANSITION

CHANGE : VAR. CHOPP established. Course FM RUISA to SABAR.

YANKS 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	YOKAT	—	—	-7.7	—	—	+10000	—	—	RNAV1
002	TF	KOHZA	—	081 (073.6)	-7.7	9.9	—	+FL140	—	—	RNAV1
003	TF	BRAID	—	081 (073.8)	-7.7	6.9	—	+FL170	—	—	RNAV1
004	TF	LUFFY	—	087 (079.8)	-7.7	58.8	—	—	—	—	RNAV1
005	TF	CHOPP	—	079 (071.7)	-7.7	58.3	—	—	—	—	RNAV1
006	TF	SANJI	—	080 (072.4)	-7.7	12.6	—	—	—	—	RNAV1
007	TF	YANKS	—	080 (072.5)	-7.7	43.2	—	—	—	—	RNAV1

SPIDE 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	YOKAT	—	—	-7.7	—	—	+10000	—	—	RNAV1
002	TF	KOHZA	—	081 (073.6)	-7.7	9.9	—	+FL140	—	—	RNAV1
003	TF	BRAID	—	081 (073.8)	-7.7	6.9	—	+FL170	—	—	RNAV1
004	TF	LUFFY	—	087 (079.8)	-7.7	58.8	—	—	—	—	RNAV1
005	TF	SPIDE	—	088 (080.4)	-7.7	33.5	—	—	—	—	RNAV1

SABAR 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	YOKAT	—	—	-7.7	—	—	+10000	—	—	RNAV1
002	TF	AMAGA	—	104 (096.5)	-7.7	10.5	—	+FL140	—	—	RNAV1
003	TF	HOSEN	—	104 (096.6)	-7.7	6.6	—	+FL170	—	—	RNAV1
004	TF	RUISA	—	104 (096.7)	-7.7	16.9	—	—	—	—	RNAV1
005	TF	SABAR	—	105 (096.9)	-7.7	31.6	—	—	—	—	RNAV1

STANDARD DEPARTURE CHART - INSTRUMENT

RJFF / FUKUOKA

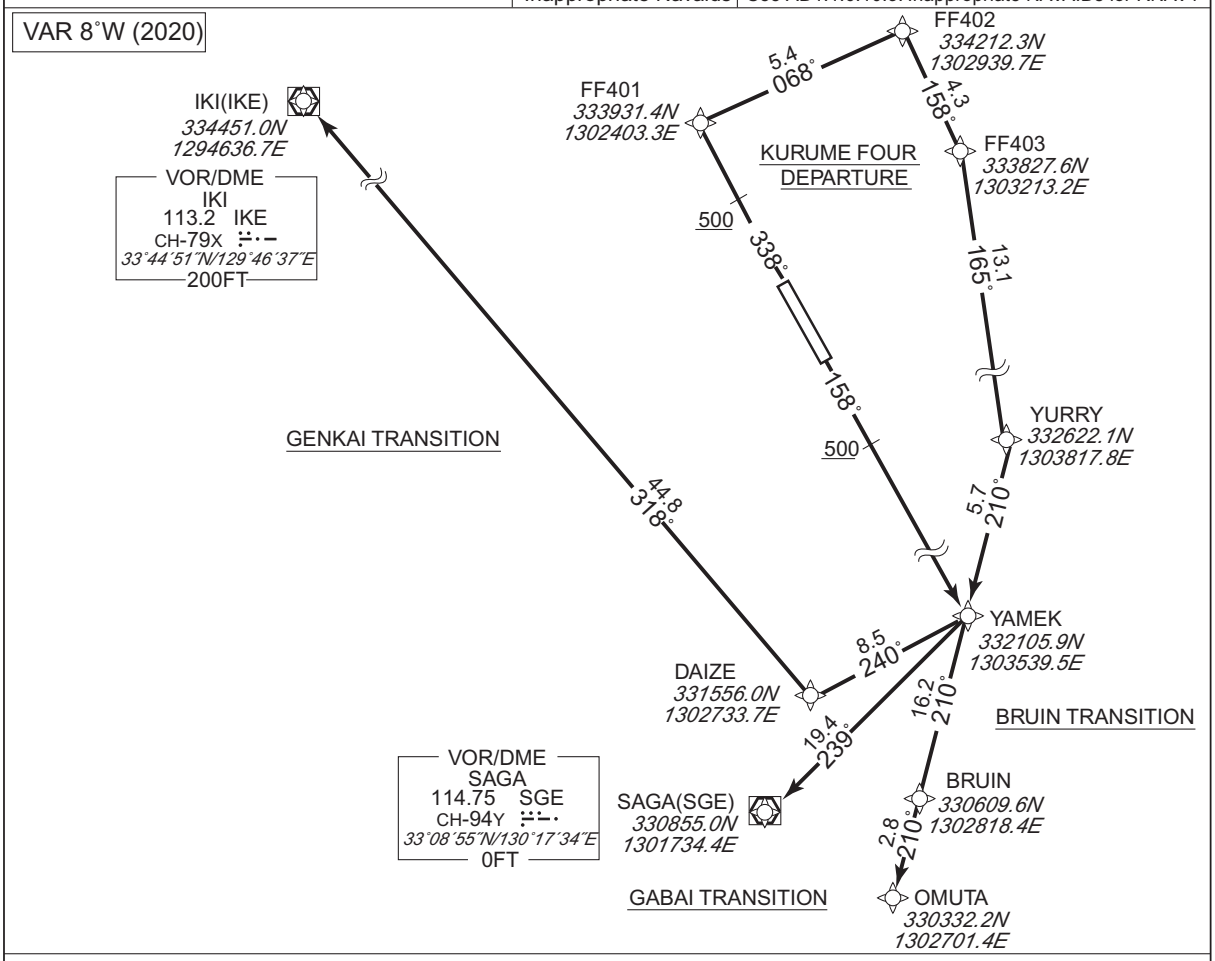
RNAV SID and TRANSITION

KURUME FOUR DEPARTURE
GABAI TRANSITION / BRUIN TRANSITION / GENKAI TRANSITION

RNAV 1

Note 1) DME/DME/IRU or GNSS required.
※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll.
2) RADAR service required.

Critical DME	RWY16 :DGC "1.0NM FM DER～5.4NM FM DER" IKE "1.0NM FM DER～5.4NM FM DER" RWY34 :DGC "3.5NM to FF401～2.2NM to FF401" IKE "3.5NM to FF401～2.2NM to FF401" BRUIN TRANSITION : DGC "2NM to OMUTA～OMUTA"
DME GAP	RWY16 :DER～1.0NM FM DER RWY34 :DER～0.9NM FM DER 2.2NM to FF401～FF403 GABAI TRANSITION : 6.4NM to SGE～SGE
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1



KURUME FOUR DEPARTURE

RWY34 : Climb on HDG 338˚ at or above 500FT, direct to FF401, to FF402, to FF403, to YURRY, to YAMEK.

RWY16 : Climb on HDG 158˚ at or above 500FT, direct to YAMEK.

Note RWY34 : 7.0% climb gradient required up to 2800FT.
RWY16 : 5.8% climb gradient required up to 1100FT.
OBST ALT 399FT located at 1.2NM 138˚ FM end of RWY16.
OBST ALT 1470FT located at 6.2NM 182˚ FM end of RWY16.

BRUIN TRANSITION

From YAMEK, to BRUIN, to OMUTA.

GABAI TRANSITION

From YAMEK, to SGE.

GENKAI TRANSITION

From YAMEK, to DAIZE to IKE.

CHANGE : FIX symbol(BRUIN, OMUTA, YAMEX, YURRY).

STANDARD DEPARTURE CHART - INSTRUMENT

RJFF / FUKUOKA

RNAV SID

KURUME FOUR DEPARTURE

RWY34

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	—	—	338 (330.3)	-7.7	—	—	+500	—	—	RNAV1
002	DF	FF401	—	—	-7.7	—	—	—	—	—	RNAV1
003	TF	FF402	—	068 (060.1)	-7.7	5.4	—	—	—	—	RNAV1
004	TF	FF403	—	158 (150.4)	-7.7	4.3	—	—	—	—	RNAV1
005	TF	YURRY	—	165 (157.2)	-7.7	13.1	—	—	—	—	RNAV1
006	TF	YAMEK	—	210 (202.7)	-7.7	5.7	—	—	—	—	RNAV1

RWY16

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	—	—	158 (150.3)	-7.7	—	—	+500	—	—	RNAV1
002	DF	YAMEK	—	—	-7.7	—	—	—	—	—	RNAV1

CHANGE : VAR. SID renamed. PROC course.

STANDARD DEPARTURE CHART - INSTRUMENT

RJFF / FUKUOKA

RNAV TRANSITION

BRUIN 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	YAMEK	—	—	-7.7	—	—	—	—	—	RNAV1
002	TF	BRUIN	—	210 (202.4)	-7.7	16.2	—	—	—	—	RNAV1
003	TF	OMUTA	—	210 (202.3)	-7.7	2.8	—	—	—	—	RNAV1

GABAI 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	YAMEK	—	—	-7.7	—	—	—	—	—	RNAV1
002	TF	SGE	—	239 (231.2)	-7.7	19.4	—	—	—	—	RNAV1

GENKAI 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	YAMEK	—	—	-7.7	—	—	—	—	—	RNAV1
002	TF	DAIZE	—	240 (232.7)	-7.7	8.5	—	—	—	—	RNAV1
003	TF	IKE	—	318 (310.4)	-7.7	44.8	—	—	—	—	RNAV1

CHANGE : VAR. PROC course.

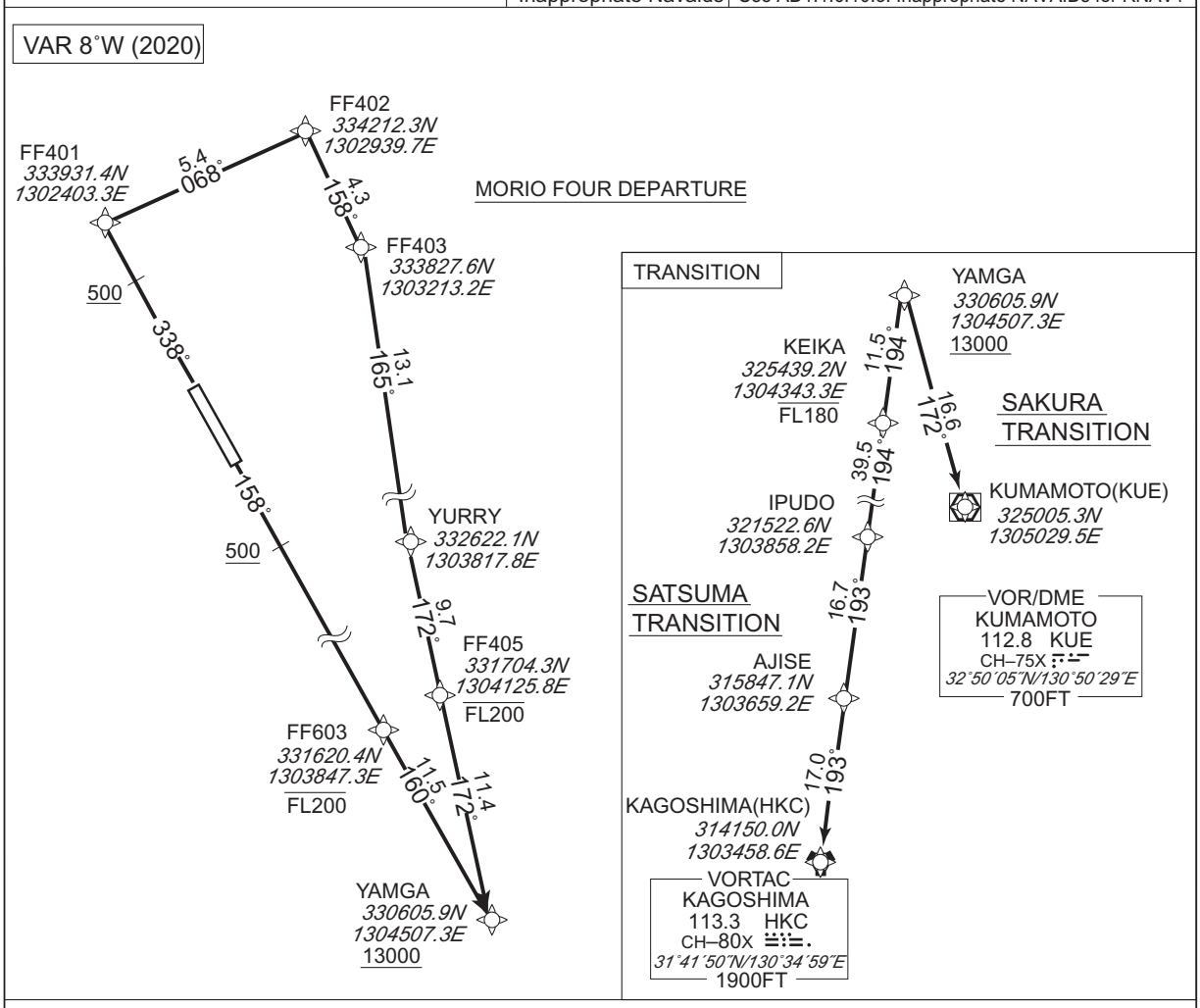
STANDARD DEPARTURE CHART - INSTRUMENT

RJFF / FUKUOKA — RNAV SID and TRANSITION

MORIO FOUR DEPARTURE
SATSUMA TRANSITION / SAKURA TRANSITION

RNAV 1

Note 1) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll. 2) RADAR service required.	Critical DME	RWY16 :DGC "1.0NM FM DER～5.4NM FM DER" IKE "1.0NM FM DER～5.4NM FM DER" RWY34 :DGC "3.5NM to FF401～2.2NM to FF401" IKE "3.5NM to FF401～2.2NM to FF401"
	DME GAP	RWY16 :DER～1.0NM FM DER RWY34 :DER～0.9NM FM DER 2.2NM to FF401～FF403
	Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1



MORIO FOUR DEPARTURE

RWY34 : Climb on HDG 338˚ at or above 500FT, direct to FF401, to FF402, to FF403, to YURRY, to FF405 at or below FL200, to YAMGA at or above 13000FT.

RWY16 : Climb on HDG 158˚ at or above 500FT, direct to FF603 at or below FL200, to YAMGA at or above 13000FT.

Note RWY34 : 7.0% climb gradient required up to 2800FT.
RWY16 : 5.8% climb gradient required up to 1100FT.
OBST ALT 399FT located at 1.2NM 138˚ FM end of RWY16.
OBST ALT 1470FT located at 6.2NM 182˚ FM end of RWY16.

SAKURA TRANSITION

From YAMGA at or above 13000FT, to KUE.

SATSUMA TRANSITION

From YAMGA at or above 13000FT, to KEIKA at or below FL180, to IPUDO, to AJISE, to HKC.

CHANGE : FIX symbol(AJISE, IPUDO, KEIKA, YAMGA, YURRY).

STANDARD DEPARTURE CHART - INSTRUMENT

RJFF / FUKUOKA RNAV SID

MORIO FOUR DEPARTURE

RWY34

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	—	—	338 (330.3)	-7.7	—	—	+500	—	—	RNAV1
002	DF	FF401	—	—	-7.7	—	—	—	—	—	RNAV1
003	TF	FF402	—	068 (060.1)	-7.7	5.4	—	—	—	—	RNAV1
004	TF	FF403	—	158 (150.4)	-7.7	4.3	—	—	—	—	RNAV1
005	TF	YURRY	—	165 (157.2)	-7.7	13.1	—	—	—	—	RNAV1
006	TF	FF405	—	172 (164.3)	-7.7	9.7	—	-FL200	—	—	RNAV1
007	TF	YAMGA	—	172 (164.3)	-7.7	11.4	—	+13000	—	—	RNAV1

RWY16

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	—	—	158 (150.3)	-7.7	—	—	+500	—	—	RNAV1
002	DF	FF603	—	—	-7.7	—	—	-FL200	—	—	RNAV1
003	TF	YAMGA	—	160 (152.6)	-7.7	11.5	—	+13000	—	—	RNAV1

CHANGE : VAR. PROC renamed. PROC course. ALT restriction at YAMGA.

STANDARD DEPARTURE CHART - INSTRUMENT

RJFF / FUKUOKA RNAV TRANSITION

SAKURA 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	YAMGA	—	—	-7.7	—	—	+13000	—	—	RNAV1
002	TF	KUE	—	172 (164.3)	-7.7	16.6	—	—	—	—	RNAV1

SATSUMA 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	YAMGA	—	—	-7.7	—	—	+13000	—	—	RNAV1
002	TF	KEIKA	—	194 (185.9)	-7.7	11.5	—	-FL180	—	—	RNAV1
003	TF	IPUDO	—	194 (185.8)	-7.7	39.5	—	—	—	—	RNAV1
004	TF	AJISE	—	193 (185.8)	-7.7	16.7	—	—	—	—	RNAV1
005	TF	HKC	—	193 (185.8)	-7.7	17.0	—	—	—	—	RNAV1

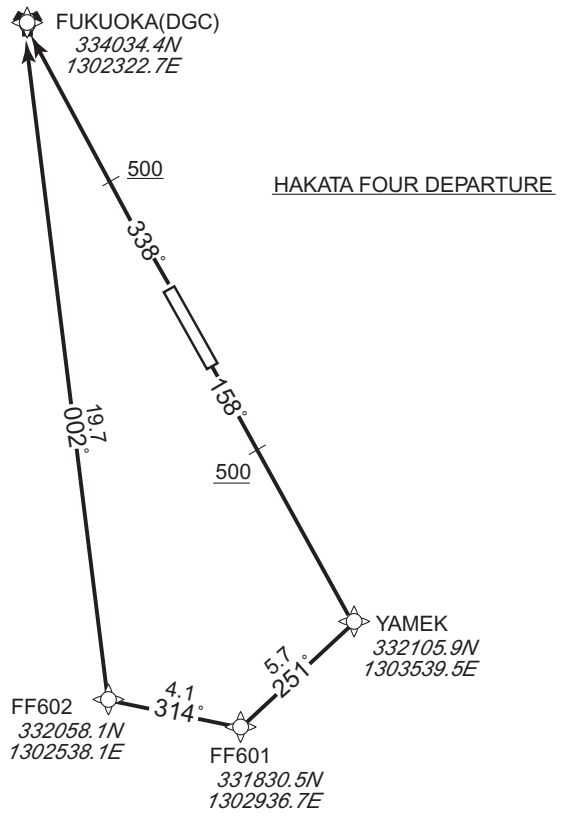
CHANGE : IPUDO established. ALT restriction at KEIKA.

STANDARD DEPARTURE CHART - INSTRUMENT

RJFF / FUKUOKA — RNAV SID

HAKATA FOUR DEPARTURE		RNAV 1
Note 1) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll. 2) RADAR service required.	Critical DME	RWY16 : DGC "1.0NM FM DER～5.4NM FM DER" IKE "1.0NM FM DER～5.4NM FM DER" RWY34 : DGC "4.6NM to DGC～3.0NM to DGC" IKE "4.6NM to DGC～3.0NM to DGC"
	DME GAP	RWY16 : DER～1.0NM FM DER RWY34 : DER～4.6NM to DGC 3.0NM to DGC～DGC
	Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

VAR 8˚W (2020)



HAKATA FOUR DEPARTURE

RWY34 : Climb on HDG 338˚ at or above 500FT, direct to DGC.

RWY16 : Climb on HDG 158˚ at or above 500FT, direct to YAMEK, to FF601, to FF602 to DGC.

Note RWY16 : 5.8% climb gradient required up to 1100FT.
OBST ALT 399FT located at 1.2NM 138˚ FM end of RWY16.
OBST ALT 1470FT located at 6.2NM 182˚ FM end of RWY16.

CHANGE : VAR. PROC renamed. PROC course.

STANDARD DEPARTURE CHART - INSTRUMENT

RJFF / FUKUOKA RNAV SID

HAKATA FOUR DEPARTURE

RWY34

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	—	—	338 (330.3)	-7.7	—	—	+500	—	—	RNAV1
002	DF	DGC	—	—	-7.7	—	—	—	—	—	RNAV1

RWY16

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	—	—	158 (150.3)	-7.7	—	—	+500	—	—	RNAV1
002	DF	YAMEK	—	—	-7.7	—	—	—	—	—	RNAV1
003	TF	FF601	—	251 (242.9)	-7.7	5.7	—	—	—	—	RNAV1
004	TF	FF602	—	314 (306.5)	-7.7	4.1	—	—	—	—	RNAV1
005	TF	DGC	—	002 (354.5)	-7.7	19.7	—	—	—	—	RNAV1

CHANGE : VAR. PROC renamed. PROC course.

STANDARD ARRIVAL CHART-INSTRUMENT

RJFF / FUKUOKA STAR

LAGER ARRIVAL

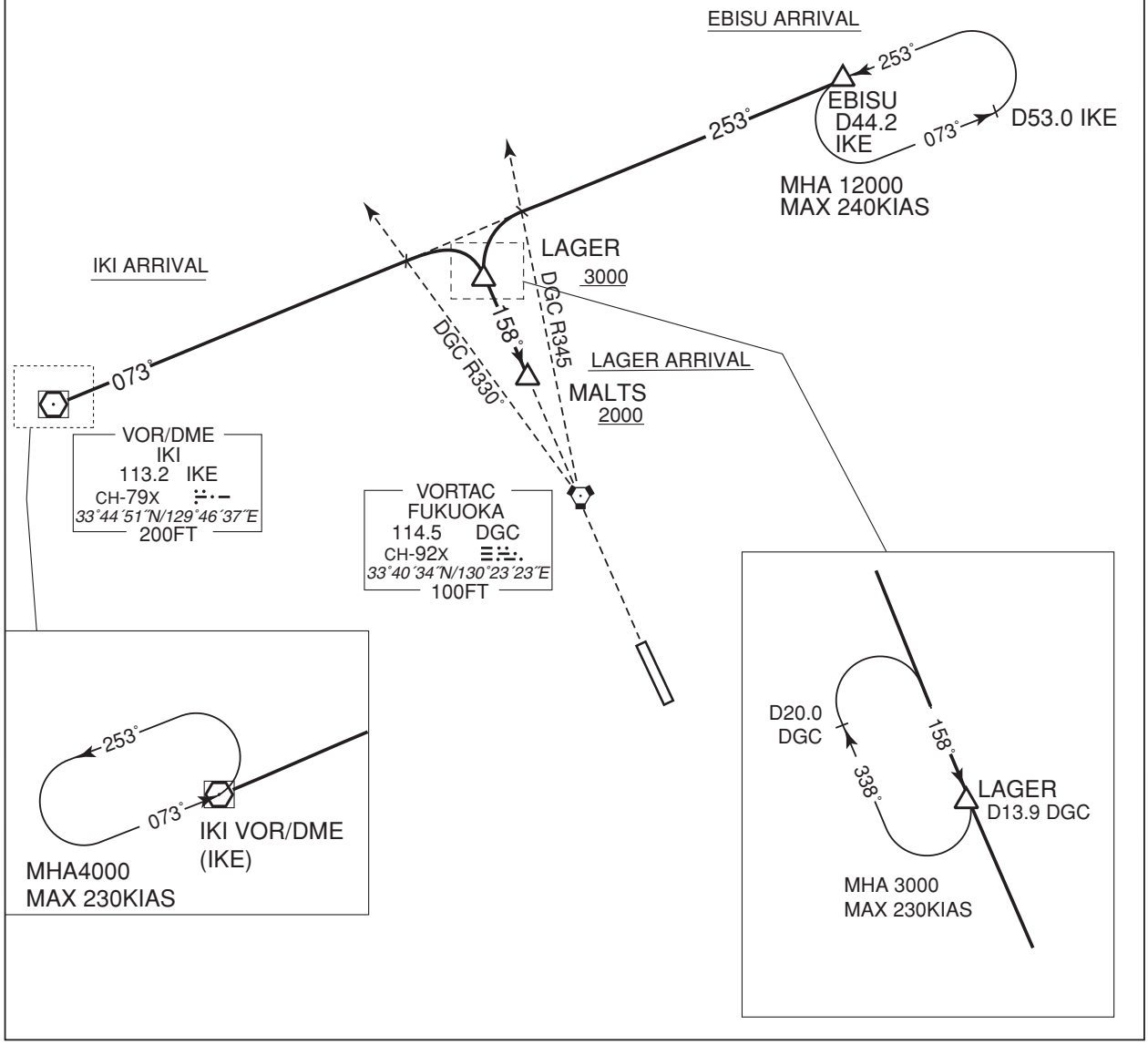
From over LAGER, via DGC R338 to MALTS.
Cross LAGER at or above 3000FT, cross MALTS at or above 2000FT.

EBISU ARRIVAL

From over EBISU, via IKE R073 to intercept and proceed via DGC R338 to MALTS via LAGER.
Cross LAGER at or above 3000FT, cross MALTS at or above 2000FT.

IKI ARRIVAL

From over IKE VOR/DME, via IKE R073 to intercept and proceed via DGC R338 to MALTS via LAGER.
Cross LAGER at or above 3000FT, cross MALTS at or above 2000FT.



CHANGE : Radial

STANDARD ARRIVAL CHART-INSTRUMENT

RJFF / FUKUOKA STAR

KAFRI EAST ARRIVAL

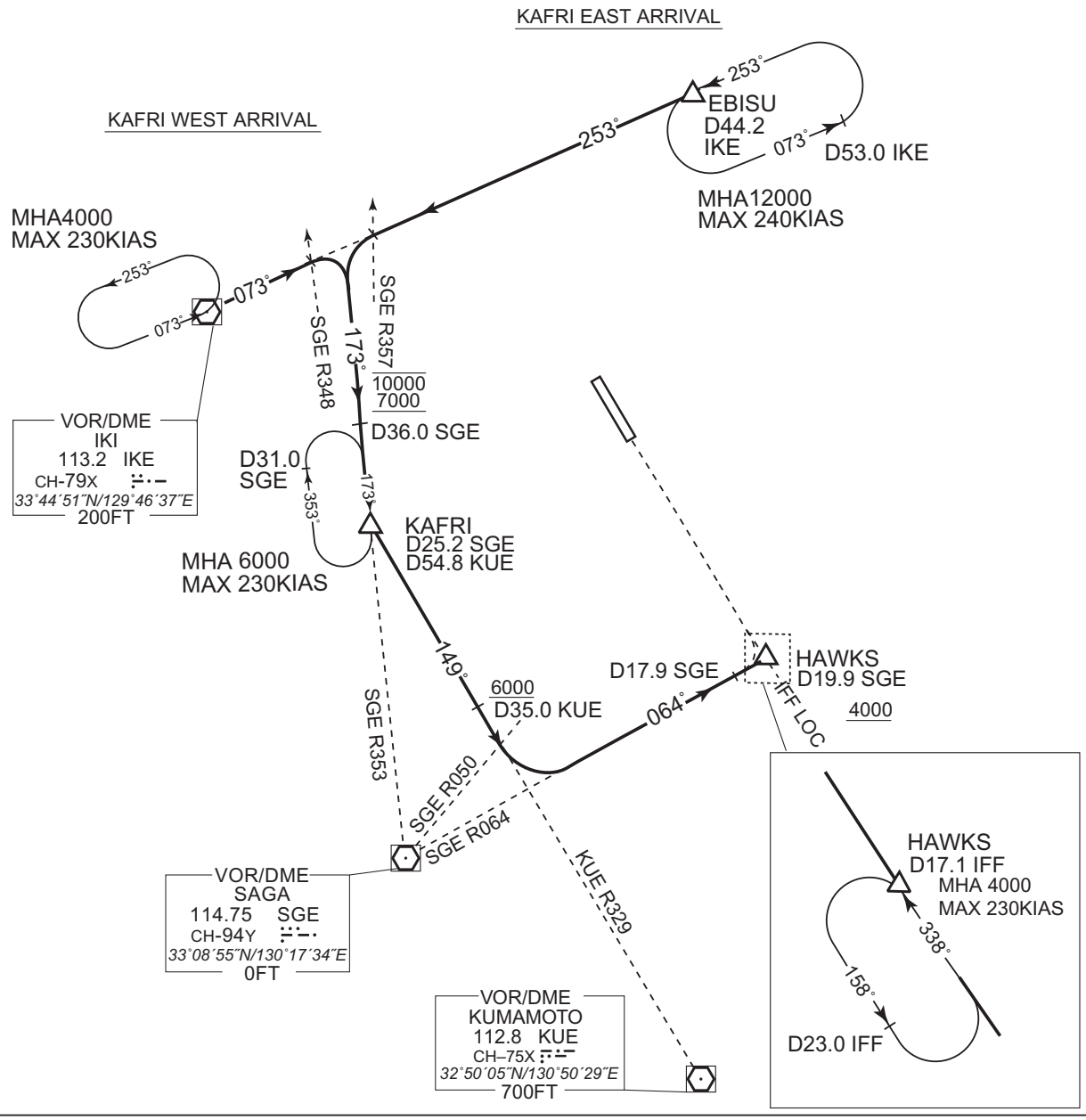
From over EBISU, proceed via IKE R073 to intercept and proceed via SGE R353 to KAFRI, via KUE R329 to intercept and proceed via SGE R064 to HAWKS.

Cross SGE R353/36.0DME between 7000FT and 10000FT, cross KUE R329/35.0DME at or above 6000FT, cross HAWKS at or above 4000FT.

KAFRI WEST ARRIVAL

From over IKE VOR/DME, proceed via IKE R073 to intercept and proceed via SGE R353 to KAFRI, via KUE R329, to intercept and proceed via SGE R064 to HAWKS.

Cross SGE R353/36.0DME between 7000FT and 10000FT, cross KUE R329/35.0DME at or above 6000FT, cross HAWKS at or above 4000FT.



CHANGE : Course(HAWKS HLDG Pattern)

STANDARD ARRIVAL CHART-INSTRUMENT

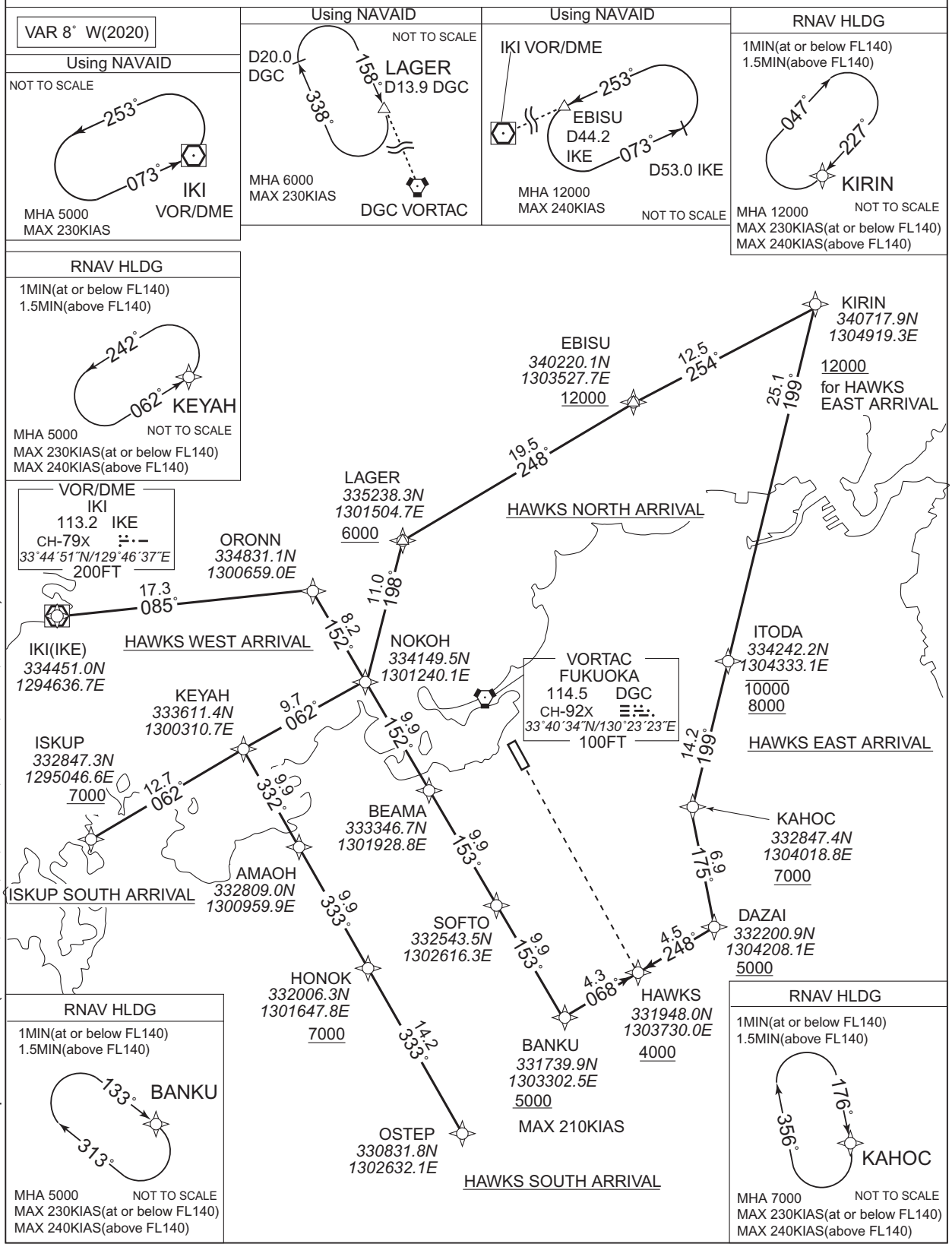
RJFF / FUKUOKA

RNAV STAR RWY34

HAWKS EAST ARRIVAL / HAWKS WEST ARRIVAL / HAWKS NORTH ARRIVAL
HAWKS SOUTH ARRIVAL / ISKUP SOUTH ARRIVAL

RNAV 1

Note 1) DME/DME/IRU or GNSS required.
2) RADAR service required.



CHANGE : Description of HLDG(BANKU, EBISU, IKI, KAHOC, KEYAH, KIRIN, LAGER).

STANDARD ARRIVAL CHART-INSTRUMENT

RJFF / FUKUOKA RNAV STAR RWY34

HAWKS EAST ARRIVAL

From KIRIN at or above 12000FT, to ITODA between 10000FT and 8000FT, to KAHOC at or above 7000FT, to DAZAI at or above 5000FT, to HAWKS at or above 4000FT.

Critical DME	–	–
	–	–
	–	–
DME GAP	–	
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1	

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	KIRIN	–	–	-7.7	–	–	+12000	–	–	RNAV1
002	TF	ITODA	–	199 (191.0)	-7.7	25.1	–	-10000 +8000	–	–	RNAV1
003	TF	KAHOC	–	199 (191.0)	-7.7	14.2	–	+7000	–	–	RNAV1
004	TF	DAZAI	–	175 (167.3)	-7.7	6.9	–	+5000	–	–	RNAV1
005	TF	HAWKS	–	248 (240.3)	-7.7	4.5	–	+4000	–	–	RNAV1

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	KIRIN	227 (218.7)	-7.7	1.0(-14000) 1.5(+14001)	R	12000	–	-230(-14000) -240(+14001)	RNAV1
Hold	KAHOC	176 (167.3)	-7.7	1.0(-14000) 1.5(+14001)	R	7000	–	-230(-14000) -240(+14001)	RNAV1

HAWKS WEST ARRIVAL

From IKE, to ORONN, to NOKOH, to BEAMA, to SOFTO, to BANKU at or above 5000FT, to HAWKS at or above 4000FT.

Critical DME	DGC	IKE - 15.0NM to ORONN 6.0NM to ORONN - 5.0NM to NOKOH
	KUE	IKE - 15.0NM to ORONN
	IKE	6.0NM to ORONN - 5.0NM to NOKOH
	SGE	9.0NM to BEAMA - 6.0NM to BEAMA
DME GAP	15.0NM to ORONN - 6.0NM to ORONN 5.0NM to NOKOH - 9.0NM to BEAMA	
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1	

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	IKE	–	–	-7.7	–	–	–	–	–	RNAV1
002	TF	ORONN	–	085 (077.7)	-7.7	17.3	–	–	–	–	RNAV1
003	TF	NOKOH	–	152 (144.7)	-7.7	8.2	–	–	–	–	RNAV1
004	TF	BEAMA	–	152 (144.8)	-7.7	9.9	–	–	–	–	RNAV1
005	TF	SOFTO	–	153 (144.9)	-7.7	9.9	–	–	–	–	RNAV1
006	TF	BANKU	–	153 (144.9)	-7.7	9.9	–	+5000	-210	–	RNAV1
007	TF	HAWKS	–	068 (060.2)	-7.7	4.3	–	+4000	–	–	RNAV1

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	BANKU	133 (125.0)	-7.7	1.0(-14000) 1.5(+14001)	R	5000	–	-230(-14000) -240(+14001)	RNAV1

CHANGE : VAR. PROC course. HLDG course.

STANDARD ARRIVAL CHART-INSTRUMENT

RJFF / FUKUOKA RNAV STAR RWY34

HAWKS NORTH ARRIVAL

From KIRIN, to EBISU at or above 12000FT, to LAGER at or above 6000FT, to NOKOH, to BEAMA, to SOFTO, to BANKU at or above 5000FT, to HAWKS at or above 4000FT.

Critical DME	IKE	4.0NM to LAGER - 3.0NM to NOKOH
	DGC	LAGER - 3.0NM to NOKOH
	SGE	9.0NM to BEAMA - 6.0NM to BEAMA
DME GAP	3.0NM to NOKOH - 9.0NM to BEAMA	
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1	

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	KIRIN	–	–	-7.7	–	–	–	–	–	RNAV1
002	TF	EBISU	–	254 (246.7)	-7.7	12.5	–	+12000	–	–	RNAV1
003	TF	LAGER	–	248 (240.3)	-7.7	19.5	–	+6000	–	–	RNAV1
004	TF	NOKOH	–	198 (190.5)	-7.7	11.0	–	–	–	–	RNAV1
005	TF	BEAMA	–	152 (144.8)	-7.7	9.9	–	–	–	–	RNAV1
006	TF	SOFTO	–	153 (144.9)	-7.7	9.9	–	–	–	–	RNAV1
007	TF	BANKU	–	153 (144.9)	-7.7	9.9	–	+5000	-210	–	RNAV1
008	TF	HAWKS	–	068 (060.2)	-7.7	4.3	–	+4000	–	–	RNAV1

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	KIRIN	227 (218.7)	-7.7	1.0(-14000) 1.5(+14001)	R	12000	–	-230(-14000) -240(+14001)	RNAV1
Hold	BANKU	133 (125.0)	-7.7	1.0(-14000) 1.5(+14001)	R	5000	–	-230(-14000) -240(+14001)	RNAV1

CHANGE : VAR. PROC course. HLDG course.

STANDARD ARRIVAL CHART-INSTRUMENT

RJFF / FUKUOKA RNAV STAR RWY34

HAWKS SOUTH ARRIVAL

From OSTEP, to HONOK at or above 7000FT, to AMAOH, to KEYAH, to NOKOH, to BEAMA, to SOFTO, to BANKU at or above 5000FT, to HAWKS at or above 4000FT.

Critical DME	SGE	4.0NM to NOKOH - NOKOH 9.0NM to BEAMA - 6.0NM to BEAMA
DME GAP	NOKOH - 9.0NM to BEAMA	
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1	

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	OSTEP	–	–	-7.7	–	–	–	–	–	RNAV1
002	TF	HONOK	–	333 (324.9)	-7.7	14.2	–	+7000	–	–	RNAV1
003	TF	AMAOH	–	333 (324.8)	-7.7	9.9	–	–	–	–	RNAV1
004	TF	KEYAH	–	332 (324.8)	-7.7	9.9	–	–	–	–	RNAV1
005	TF	NOKOH	–	062 (054.5)	-7.7	9.7	–	–	–	–	RNAV1
006	TF	BEAMA	–	152 (144.8)	-7.7	9.9	–	–	–	–	RNAV1
007	TF	SOFTO	–	153 (144.9)	-7.7	9.9	–	–	–	–	RNAV1
008	TF	BANKU	–	153 (144.9)	-7.7	9.9	–	+5000	-210	–	RNAV1
009	TF	HAWKS	–	068 (060.2)	-7.7	4.3	–	+4000	–	–	RNAV1

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	KEYAH	062 (054.5)	-7.7	1.0(-14000) 1.5(+14001)	L	5000	–	-230(-14000) -240(+14001)	RNAV1
Hold	BANKU	133 (125.0)	-7.7	1.0(-14000) 1.5(+14001)	R	5000	–	-230(-14000) -240(+14001)	RNAV1

CHANGE : VAR. PROC course. HLDG course(BANKU).

STANDARD ARRIVAL CHART-INSTRUMENT

RJFF / FUKUOKA RNAV STAR RWY34

ISKUP SOUTH ARRIVAL

From ISKUP at or above 7000FT, to KEYAH, to NOKOH, to BEAMA, to SOFTO, to BANKU at or above 5000FT, to HAWKS at or above 4000FT.

Critical DME	SGE	4.0NM to NOKOH - NOKOH 9.0NM to BEAMA - 6.0NM to BEAMA
DME GAP	NOKOH - 9.0NM to BEAMA	
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1	

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	ISKUP	–	–	-7.7	–	–	+7000	–	–	RNAV1
002	TF	KEYAH	–	062 (054.3)	-7.7	12.7	–	–	–	–	RNAV1
003	TF	NOKOH	–	062 (054.5)	-7.7	9.7	–	–	–	–	RNAV1
004	TF	BEAMA	–	152 (144.8)	-7.7	9.9	–	–	–	–	RNAV1
005	TF	SOFTO	–	153 (144.9)	-7.7	9.9	–	–	–	–	RNAV1
006	TF	BANKU	–	153 (144.9)	-7.7	9.9	–	+5000	-210	–	RNAV1
007	TF	HAWKS	–	068 (060.2)	-7.7	4.3	–	+4000	–	–	RNAV1

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	KEYAH	062 (054.5)	-7.7	1.0(-14000) 1.5(+14001)	L	5000	–	-230(-14000) -240(+14001)	RNAV1
Hold	BANKU	133 (125.0)	-7.7	1.0(-14000) 1.5(+14001)	R	5000	–	-230(-14000) -240(+14001)	RNAV1

CHANGE : New PROC.

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STANDARD ARRIVAL CHART-INSTRUMENT

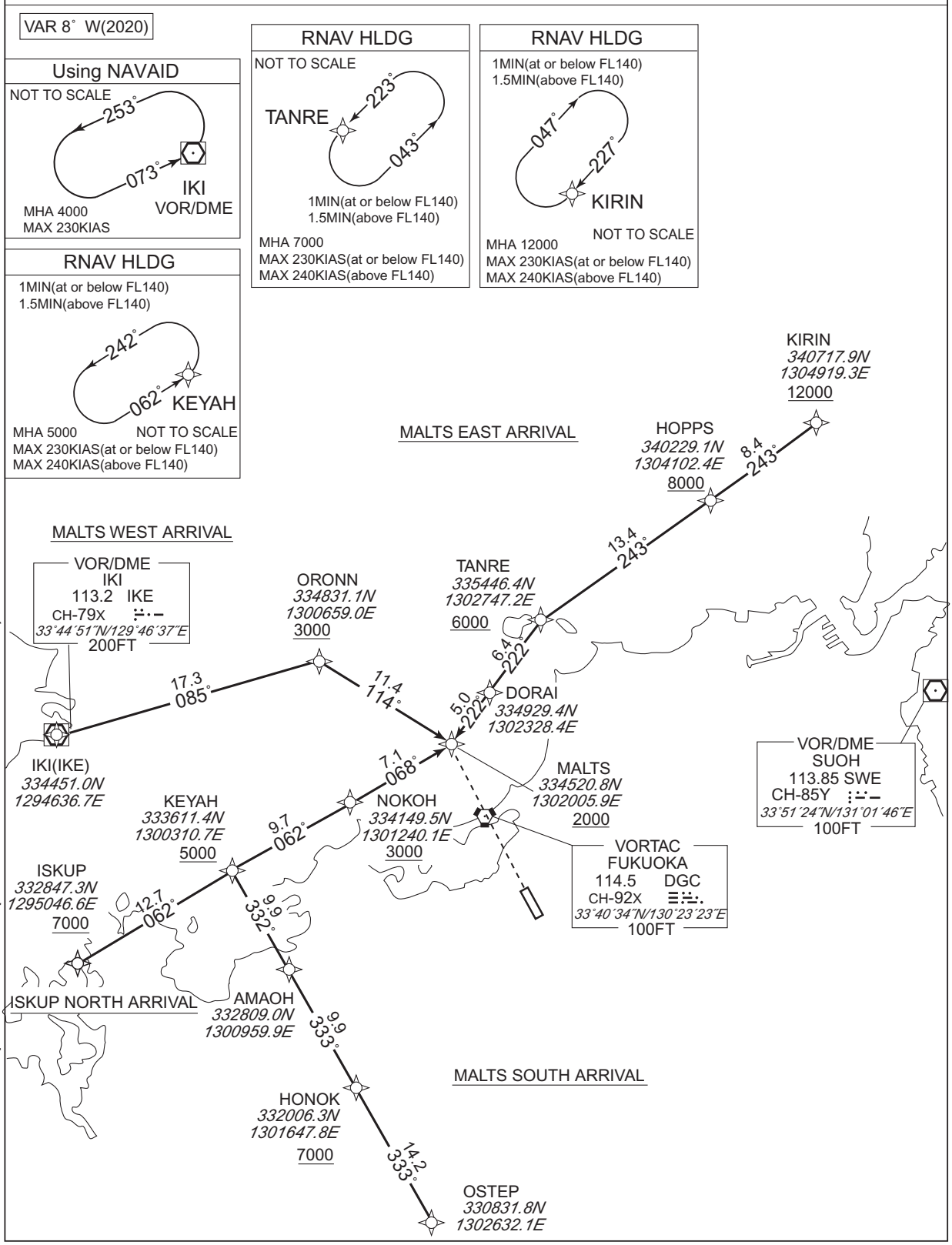
RJFF / FUKUOKA

RNAV STAR RWY16

MALTS EAST ARRIVAL / MALTS WEST ARRIVAL
MALTS SOUTH ARRIVAL / ISKUP NORTH ARRIVAL

RNAV 1

Note 1) DME/DME/IRU or GNSS required.
2) RADAR service required.



CHANGE : Description of HLDG(IKI, KEYAH, KIRIN, TANRE).

STANDARD ARRIVAL CHART-INSTRUMENT

RJFF / FUKUOKA RNAV STAR RWY16

MALTS EAST ARRIVAL

From KIRIN at or above 12000FT, to HOPPS at or above 8000FT, to TANRE at or above 6000FT, to DORAI, to MALTS at or above 2000FT.

Critical DME	–	–
	DGC	TANRE - MALTS
DME GAP	–	
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1	

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	KIRIN	–	–	-7.7	–	–	+12000	–	–	RNAV1
002	TF	HOPPS	–	243 (235.0)	-7.7	8.4	–	+8000	–	–	RNAV1
003	TF	TANRE	–	243 (235.0)	-7.7	13.4	–	+6000	–	–	RNAV1
004	TF	DORAI	–	222 (214.2)	-7.7	6.4	–	–	–	–	RNAV1
005	TF	MALTS	–	222 (214.1)	-7.7	5.0	–	+2000	–	–	RNAV1

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	KIRIN	227 (218.7)	-7.7	1.0(-14000) 1.5(+14001)	R	12000	–	-230(-14000) -240(+14001)	RNAV1
Hold	TANRE	223 (214.2)	-7.7	1.0(-14000) 1.5(+14001)	L	7000	–	-230(-14000) -240(+14001)	RNAV1

MALTS WEST ARRIVAL

From IKE, to ORONN at or above 3000FT, to MALTS at or above 2000FT.

Critical DME	DGC	IKE - 15.0NM to ORONN 6.0NM to ORONN - MALTS
	KUE	IKE - 15.0NM to ORONN
	IKE	6.0NM to ORONN - MALTS
DME GAP	15NM to ORONN - 6.0NM to ORONN	
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1	

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	IKE	–	–	-7.7	–	–	–	–	–	RNAV1
002	TF	ORONN	–	085 (077.7)	-7.7	17.3	–	+3000	–	–	RNAV1
003	TF	MALTS	–	114 (106.2)	-7.7	11.4	–	+2000	–	–	RNAV1

CHANGE : VAR. PROC course. HLDG course.

STANDARD ARRIVAL CHART-INSTRUMENT

RJFF / FUKUOKA

RNAV STAR RWY16

CHANGE : VAR. New PROC(ISKUP NORTH ARRIVAL). PROC course.

MALTS SOUTH ARRIVAL

From OSTEP, to HONOK at or above 7000FT, to AMAOH, to KEYAH at or above 5000FT, to NOKOH at or above 3000FT, to MALTS at or above 2000FT.

Critical DME	SGE	4.0NM to NOKOH - NOKOH
	IKE	2.0NM to MALTS - MALTS
	DGC	2.0NM to MALTS - MALTS
DME GAP	NOKOH - 2.0NM to MALTS	
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1	

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	OSTEP	–	–	-7.7	–	–	–	–	–	RNAV1
002	TF	HONOK	–	333 (324.9)	-7.7	14.2	–	+7000	–	–	RNAV1
003	TF	AMAOH	–	333 (324.8)	-7.7	9.9	–	–	–	–	RNAV1
004	TF	KEYAH	–	332 (324.8)	-7.7	9.9	–	+5000	–	–	RNAV1
005	TF	NOKOH	–	062 (054.5)	-7.7	9.7	–	+3000	–	–	RNAV1
006	TF	MALTS	–	068 (060.3)	-7.7	7.1	–	+2000	–	–	RNAV1

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	KEYAH	062 (054.5)	-7.7	1.0(-14000) 1.5(+14001)	L	5000	–	-230(-14000) -240(+14001)	RNAV1

ISKUP NORTH ARRIVAL

From ISKUP at or above 7000FT, to KEYAH at or above 5000FT, to NOKOH at or above 3000FT, to MALTS at or above 2000FT.

Critical DME	SGE	4.0NM to NOKOH - NOKOH
	IKE	2.0NM to MALTS - MALTS
	DGC	2.0NM to MALTS - MALTS
DME GAP	NOKOH - 2.0NM to MALTS	
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1	

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	ISKUP	–	–	-7.7	–	–	+7000	–	–	RNAV1
002	TF	KEYAH	–	062 (054.3)	-7.7	12.7	–	+5000	–	–	RNAV1
003	TF	NOKOH	–	062 (054.5)	-7.7	9.7	–	+3000	–	–	RNAV1
004	TF	MALTS	–	068 (060.3)	-7.7	7.1	–	+2000	–	–	RNAV1

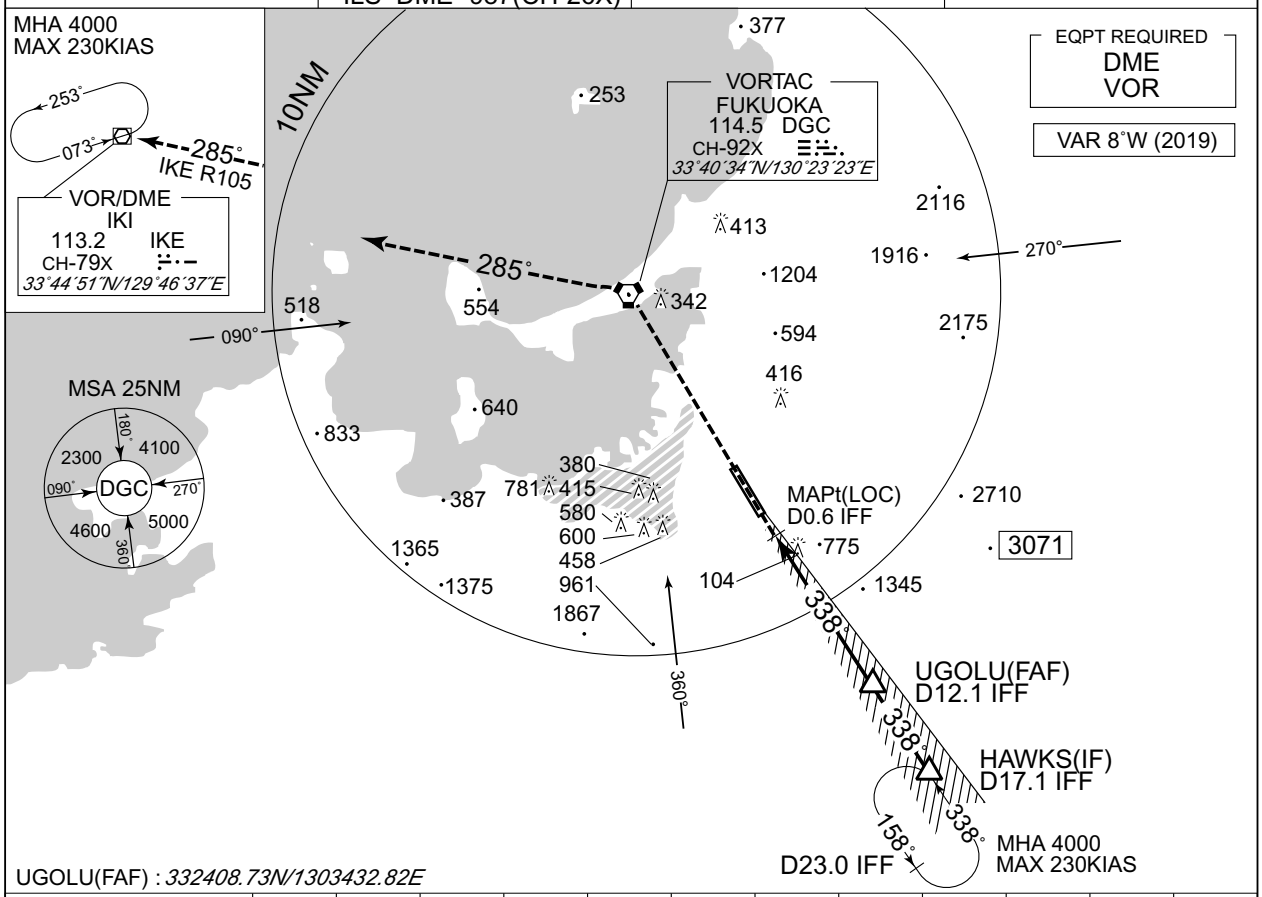
Path	Waypoint Identifier	Inbound Course ˚M(˚T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	KEYAH	062 (054.5)	-7.7	1.0(-14000) 1.5(+14001)	L	5000	–	-230(-14000) -240(+14001)	RNAV1

INSTRUMENT APPROACH CHART

RJFF / FUKUOKA

ILS or LOC RWY 34

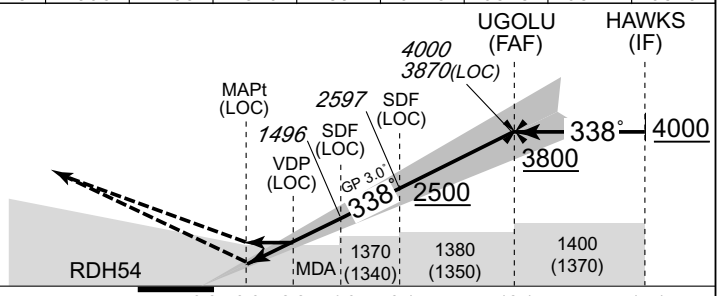
FUKUOKA APP	ILS–LOC	FUKUOKA TOWER	RADAR AVBL
119.65 - 121.125 - 127.9 261.2 - 270.8	108.9 IFF ILS–GP 329.3 ILS–DME 987(CH-26X)	118.4 - 126.2 236.8	ATIS 127.2



NM to IFF	MAPt	3	4	5	6	7	8	9	10	11	12	FAF
ALT (3.0° APCH Path)	–	981	1299	1618	1936	2255	2573	2891	3210	3528	3847	3870

MISSED APPROACH

Climb direct to DGC VORTAC, turn left, via IKE R105 to IKE VOR/DME and hold at 4000FT. Contact FUKUOKA APP.



DME to IFF	0.2	0.6	2.2	4.6	8.1	12.1	17.1
NM to THR	0	0.5	2.0	4.4	7.9	11.9	16.9

MINIMA THR elev. 32 AD elev. 30

CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	232 (200)	550	680 (650)	1200	830 (800)	1600
B				1400		
C					1020 (990)	2400
D				1800	1030 (1000)	3200

Circling to WEST side of RWY only.

CHANGE : UGOLU established. HARRY abolished. PROC ALT(FAF). RDH.

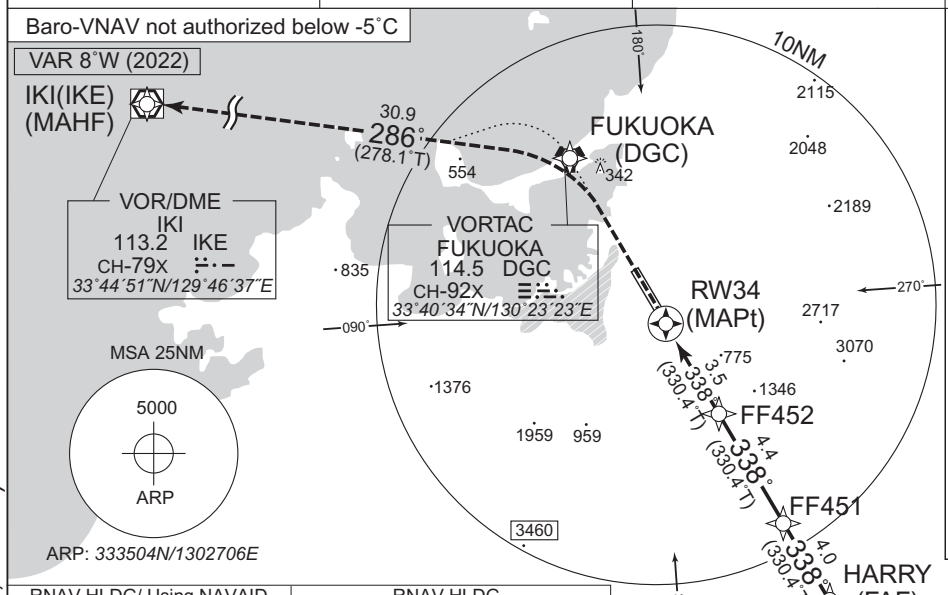
INSTRUMENT APPROACH CHART

RJFF / FUKUOKA — RNP RWY34

FUKUOKA APP	RNP APCH	FUKUOKA TOWER	RADAR AVBL
119.65 - 121.125 - 127.9 261.2 - 270.8		118.4 - 126.2 236.8	ATIS 127.2

Baro-VNAV not authorized below -5˚C

VAR 8˚W (2022)



BANKU (IAF)	331739.93N 1303302.49E
DAZAI (IAF)	332200.85N 1304208.07E
HAWKS (IF)	331947.99N 1303729.97E
HARRY (FAF)	332408.58N 1303432.92E
FF451	332737.48N 1303210.75E
FF452	333127.19N 1302934.18E
RW34 (MAPt)	333429.88N 1302729.47E
FUKUOKA(DGC) (MATF)	334034.35N 1302322.66E
IKI(IKE) (MAHF)	334451.04N 1294636.67E

RNAV HLDG/ Using NAVAID — NOT TO SCALE

1MIN (at or below FL140)
1.5MIN (above FL140)

MHA 4000
MAX 230KIAS (at or below FL140)
MAX 240KIAS (above FL140)

RNAV HLDG — NOT TO SCALE

MHA 4500
MAX 230KIAS (at or below FL140)
MAX 240KIAS (above FL140)

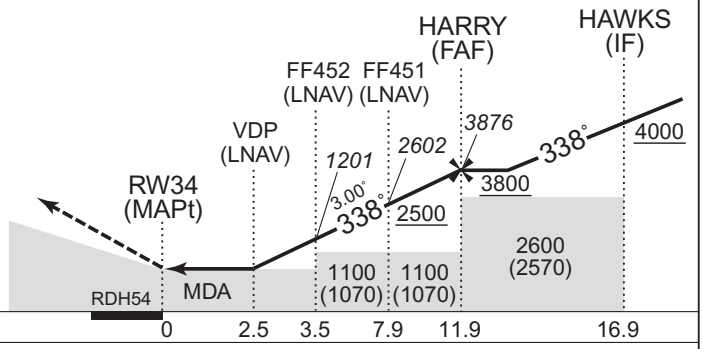
1MIN (at or below FL140)
1.5MIN (above FL140)

NM to Next Fix	MAPt	3	4	5	6	7	8	9	10	11	FAF
ALT (3.0˚ APCH Path)	–	1042	1360	1679	1997	2315	2634	2952	3271	3589	3876

MISSED APPROACH

Direct to FUKUOKA(DGC), to IKI(IKE) and hold at 4000FT.
Contact FUKUOKA APP.

(For using VORTAC)
Climb direct to DGC VORTAC, turn left, via IKE R105 to IKE VOR/DME and hold at 4000FT.
Contact FUKUOKA APP.



MINIMA — THR elev. 32 — AD elev. 30

CAT	LNAV/VNAV DA(H)	LNAV/VNAV RVR/CMV	LNAV MDA(H)	LNAV RVR/CMV	CIRCLING MDA(H)	CIRCLING VIS
A	820 (788)	1200	820 (790)	1200	830 (800)	1600
B		1400		1400		
C					1020 (990)	2400
D		1800		1800	1030 (1000)	3200

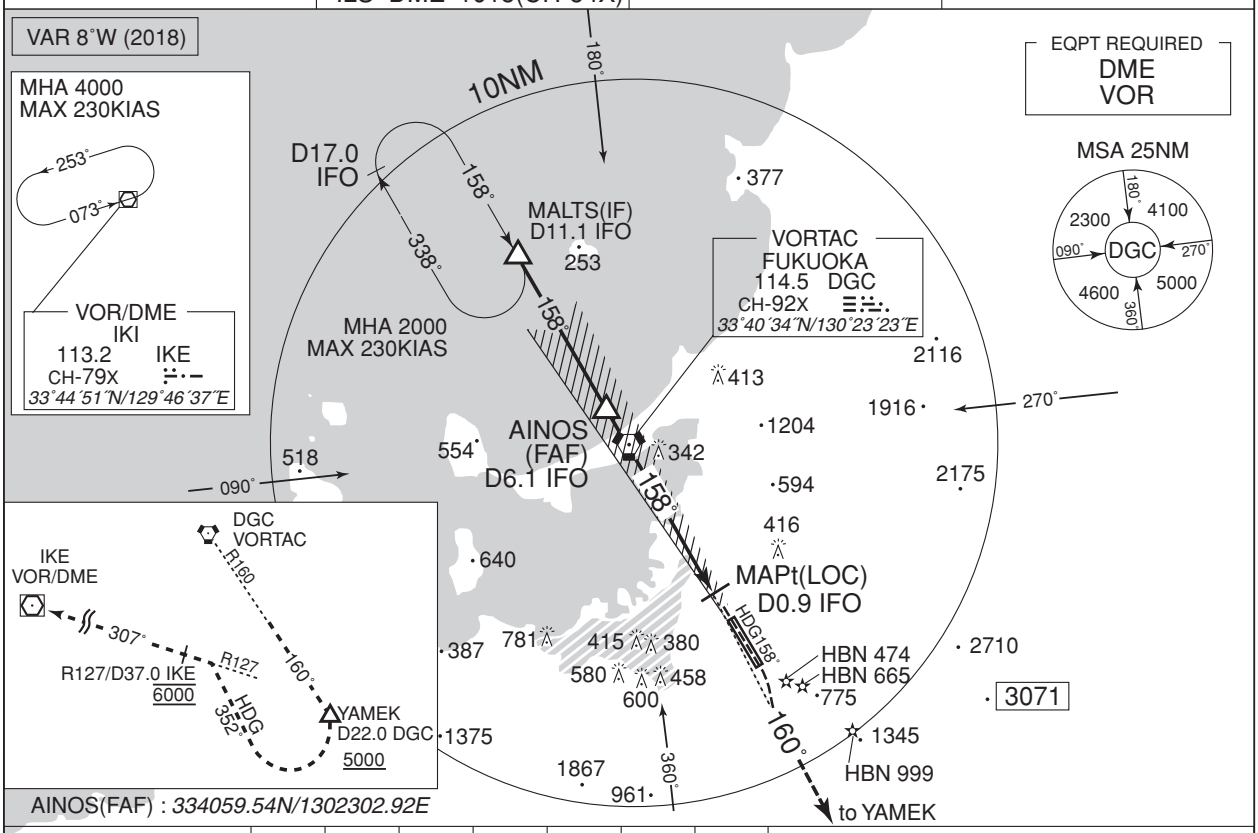
Circling to WEST side of RWY only.

CHANGE : VAR. Missed APCH course. ALT(3.0° APCH Path). PROC ALT(FAF, FF451, FF452). RDH.

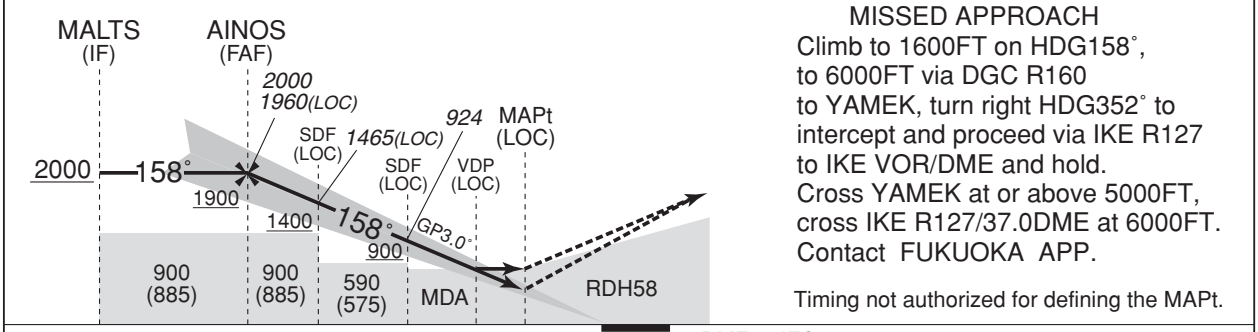
INSTRUMENT APPROACH CHART

RJFF / FUKUOKA — ILS or LOC RWY16

FUKUOKA APP	ILS–LOC	FUKUOKA TOWER	RADAR AVBL
119.65 - 121.125 - 127.9 261.2 - 270.8	111.7 IFO ILS–GP 333.5 ILS–DME 1015(CH-54X)	118.4 - 126.2 236.8	ATIS 127.2



NM to IFO	FAF	6	5	4	3	2	MAPt
ALT (3.0˚ APCH Path)	1960	1919	1600	1282	964	645	–



MISSED APPROACH
Climb to 1600FT on HDG158˚,
to 6000FT via DGC R160
to YAMEK, turn right HDG352˚ to
intercept and proceed via IKE R127
to IKE VOR/DME and hold.
Cross YAMEK at or above 5000FT,
cross IKE R127/37.0DME at 6000FT.
Contact FUKUOKA APP.

Timing not authorized for defining the MAPt.

11.1	6.1	4.6	2.9	1.8	0.9	0.2	DME to IFO
11.0	6.0	4.4	2.7	1.6	0.7	0	NM to THR

Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 15 AD elev. 30

CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	215 (200)	550	550 (535)	1000	830 (800)	1600
B				1200		
C					1020 (990)	2400
D				1600	1030 (1000)	3200

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

CHANGE : VAR

INSTRUMENT APPROACH CHART

RJFF / FUKUOKA — RNP RWY16

FUKUOKA APP	RNP APCH	FUKUOKA TOWER	RADAR AVBL
119.65 - 121.125 - 127.9 261.2 - 270.8		118.4 - 126.2 236.8	ATIS 127.2

Baro-VNAV not authorized below -5˚C

VAR 7˚W (2016)

MSA 25NM: 5000 / ARP

ARP: *333504N/1302706E*

RNAV HLDG
1MIN(at or below FL140)
1.5MIN(above FL140)
157˚ / 337˚ — MALTS — NOT TO SCALE
MHA 2000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)

RNAV HLDG/ Using NAVAID
1MIN(at or below FL140)
1.5MIN(above FL140)
253˚ / 073˚ — IKE VOR/DME — NOT TO SCALE
MHA 4000
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)

OKINO (IAF) 4000 — 6.9 248˚ (240.4˚T) — MALTS (IF) — 7.1 068˚ (060.3˚T) — NOKOH (IAF) 3000

MALTS (IF) — 5.0 158˚ (150.6˚T) — AINOS (FAF) — 158˚(150.3˚T)/1.6 — FF651 (SDF) — 158˚(150.3˚T)/1.7 — FF652 (SDF) — 158˚(150.3˚T)/2.7 — RW16 (MAPt) — to YAMEK

180˚ — 10NM

VORTAC FUKUOKA 114.5 DGC CH-92X *33˚40´34˚N/130˚23´23˚E*

554 · 342 · 640 · 783 · 775 · 1346 · 1959 · 959 · 3070

OKINO (IAF)	*334844.46N 1302717.18E*
NOKOH (IAF)	*334149.51N 1301240.11E*
MALTS (IF)	*334520.80N 1302005.94E*
AINOS (FAF)	*334059.54N 1302302.92E*
FF651 (SDF)	*333938.51N 1302358.41E*
FF652 (SDF)	*333809.81N 1302459.12E*
RW16 (MAPt)	*333548.91N 1302635.47E*
YAMEK (MATF)	*332105.88N 1303539.52E*
FF601 (MATF)	*331830.45N 1302936.66E*
KAFRI (MATF)	*333320.84N 1301017.68E*
IKI(IKE) (MAHF)	*334451.04N 1294636.67E*

DGC VORTAC — R160 — RW16 (MAPt) — HDG 158˚

IKI(IKE) (MAHF) — 22.8 308˚ (300.4˚T) — KAFRI — 307˚ — R127/ D37.0 IKE 6000 — 21.9 320˚ (312.7˚T) — HDG 352˚ — 5.7 250˚ (242.9˚T) — YAMEK D22.0 DGC 5000 — FF601 6000

VOR/DME IKI 113.2 IKE CH-79X *33˚44´51˚N/129˚46´37˚E*

NM to Next Fix	FAF	5	4	3	2	MAPt
ALT (3.0˚ APCH Path)	1969	1665	1347	1028	710	–

MISSED APPROACH

Direct to YAMEK at or above 5000FT, to FF601 at 6000FT, to KAFRI, to IKI(IKE) and hold at 6000FT. Contact FUKUOKA APP.

(For using VORTAC)
Climb to 1600FT on HDG158˚, to 6000FT via DGC R160 to YAMEK, turn right HDG352˚ to intercept and proceed via IKE R127 to IKE VOR/DME and hold.
Cross YAMEK at or above 5000FT,
Cross IKE R127 / 37.0DME at 6000FT.
Contact FUKUOKA APP.

MALTS (IF) — AINOS (FAF) — FF651 (SDF) (LNAV) — FF652 (SDF) (LNAV) — VDP (LNAV) — RW16 (MAPt)

2000 — 158˚ — 1969 — 1474 — 933 — 3.00˚ — 158˚ — 1900 — 1400 — 900 — 1000 (985) — 900 (885) — 590 (575) — MDA — RDH58

11.0 — 6.0 — 4.4 — 2.7 — 1.4 — 0 — NM to THR

Missed APCH climb gradient MNM 5.0%

MINIMA — THR elev. 15 — AD elev. 30

CAT	LNAV/VNAV DA(H)	LNAV/VNAV RVR/CMV	LNAV MDA(H)	LNAV RVR/CMV	CIRCLING MDA(H)	CIRCLING VIS
A	490 (475)	1000	490 (475)	1000	830 (800)	1600
B		1200		1200		
C					1020 (990)	2400
D		1600		1600	1030 (1000)	3200

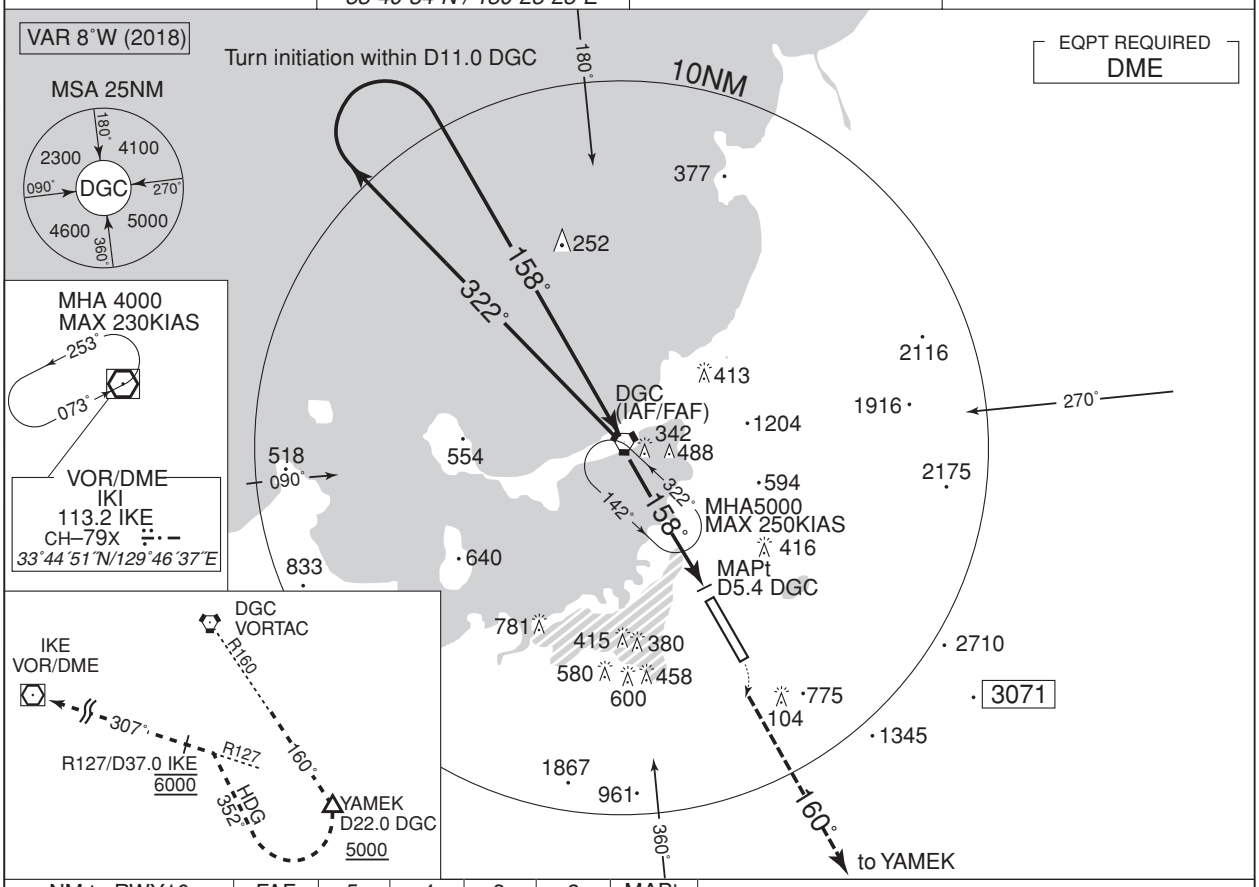
MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to WEST side of RWY only.

CHANGE:PROC renamed. Requirement for RNP.

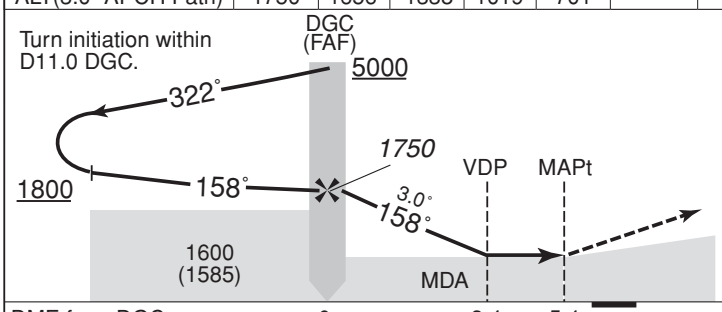
INSTRUMENT APPROACH CHART

RJFF / FUKUOKA — VOR RWY16

FUKUOKA APP	FUKUOKA VORTAC	FUKUOKA TOWER	RADAR AVBL
119.65 - 121.125 - 127.9 261.2 - 270.8	114.5 DGC CH–92X *33˚40´34˚N / 130˚23´23˚E*	118.4 – 126.2 236.8	ATIS 127.2



NM to RWY16	FAF	5	4	3	2	MAPt
ALT(3.0˚ APCH Path)	1750	1656	1338	1019	701	–



MISSED APPROACH
Climb to 6000FT,via DGC R160 to YAMEK, turn right HDG352˚ to intercept and proceed via IKE R127 to IKE VOR/DME and hold.
Cross YAMEK at or above 5000FT.
Cross IKE R127/37.0DME at 6000FT.
Contact FUKUOKA APP.

Timing not authorized for difining the MAPt.

DME from DGC	0	3.4	5.4
NM to THR	5.5	2.0	0.1 0

Missed APCH climb gradient MNM 4.3%

MINIMA THR elev. 15 AD elev. 30

CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	680 (665)	1200	830 (800)	1600
B		1400		
C			1020 (990)	2400
D		1800	1030 (1000)	3200

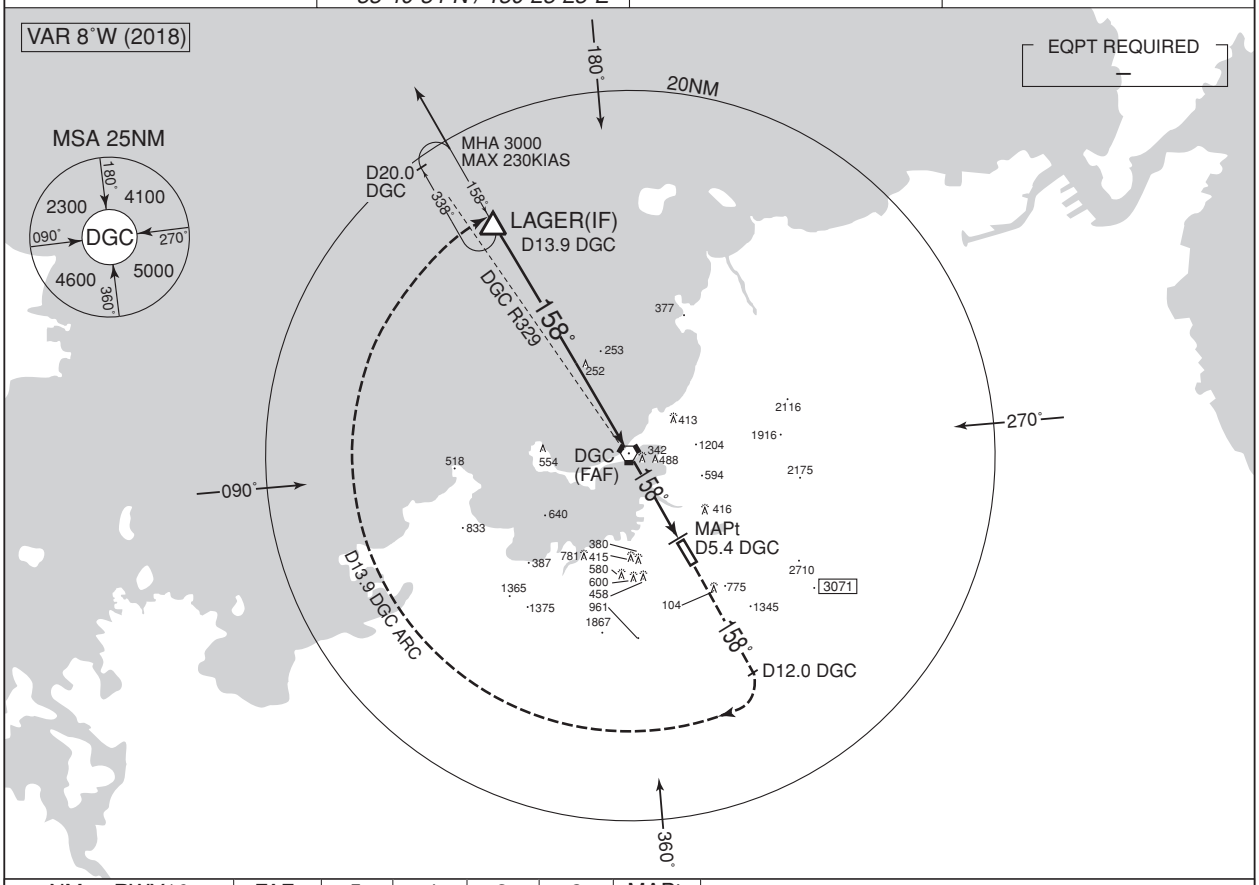
Circling to WEST side of RWY only.
MINIMA with Missed APCH climb gradient of 2.5% are not established.

CHANGE : VAR, MINIMA, VDP

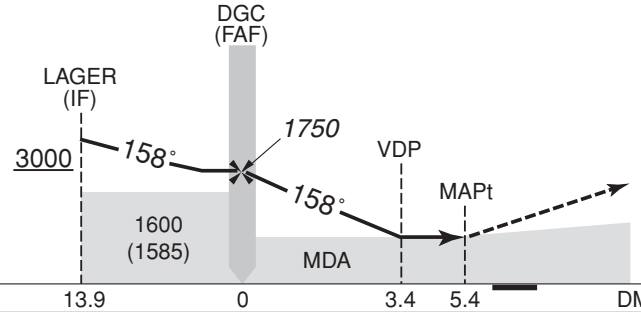
INSTRUMENT APPROACH CHART

RJFF / FUKUOKA — TACAN RWY16

FUKUOKA APP	FUKUOKA VORTAC	FUKUOKA TOWER	RADAR AVBL
119.65 - 121.125 - 127.9 261.2 - 270.8	114.5 DGC CH–92X 33°40′34″N / 130°23′23″E	118.4 – 126.2 236.8	ATIS 127.2



NM to RWY16	FAF	5	4	3	2	MAPt
ALT(3.0° APCH Path)	1750	1656	1338	1019	701	–



MISSED APPROACH
Climb to 5000FTvia DGC R158 to DGC 12.0DME, turn right, via DGC 13.9DME clockwise ARC to LAGER and hold.
Contact FUKUOKA APP.

Timing not authorized for defining the MAPt.

13.9	0	3.4	5.4		DME to/from DGC
19.4	5.5	2.0	0.1	0	NM to THR

Missed APCH climb gradient MNM 5.0%

MINIMA THR elev. 15 AD elev. 30

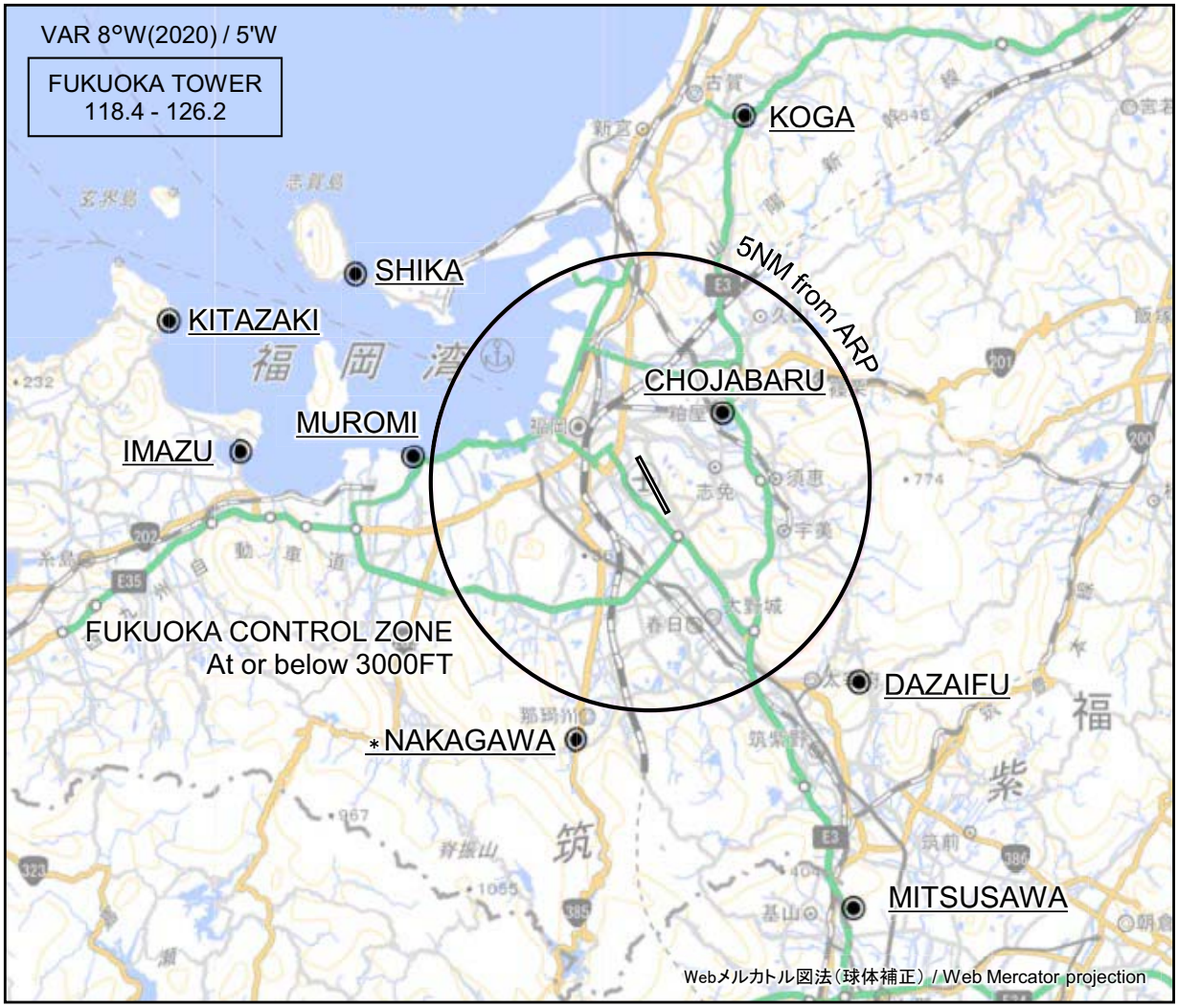
CAT			CIRCLING	
	MDA(H)	RVR/CMV	MDA(H)	VIS
A	680 (665)	1200	830 (800)	1600
B		1400		
C			1020 (990)	2400
D		1800	1030 (1000)	3200

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

CHANGE : Radial

RJFF / FUKUOKA

Visual REP

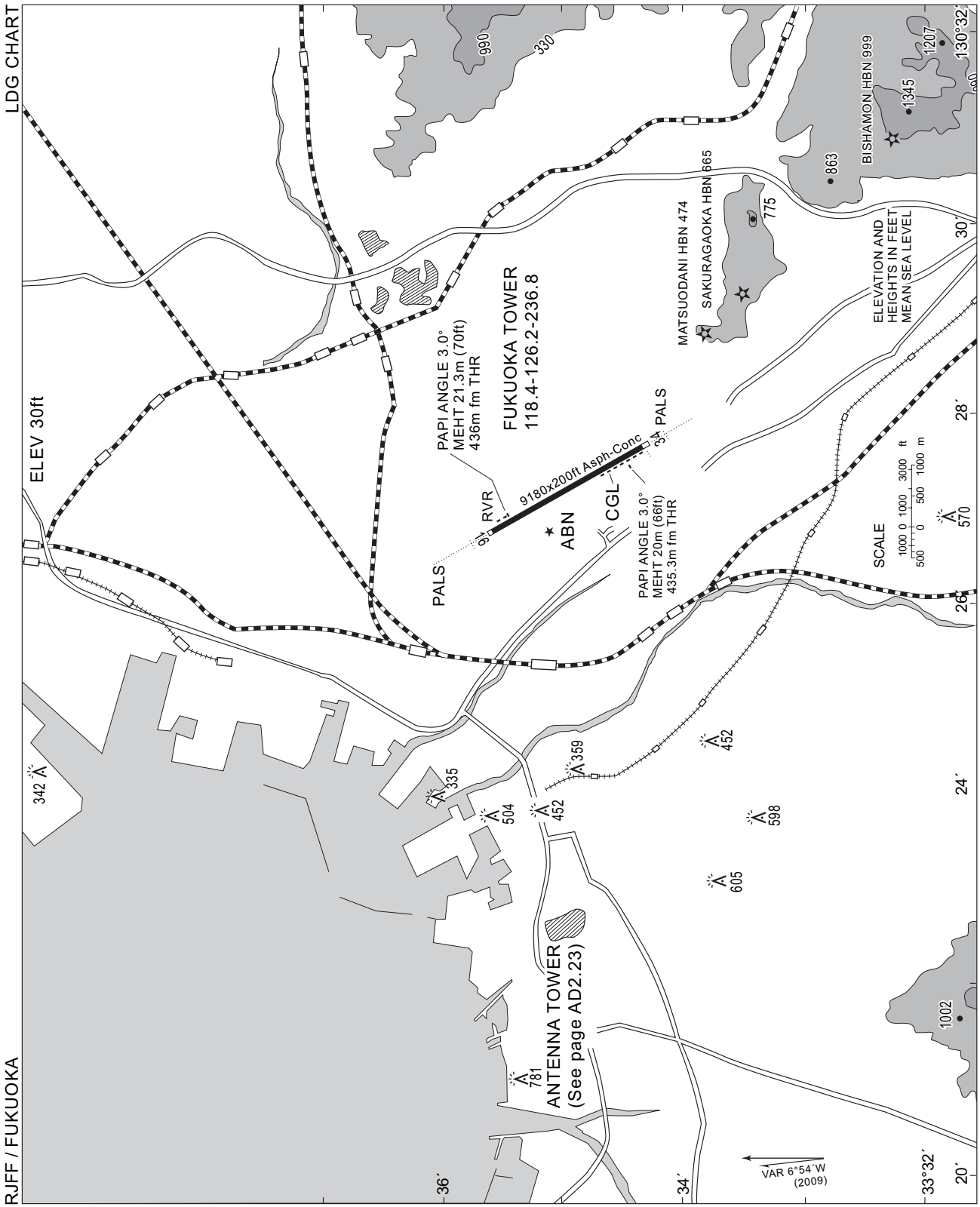


※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

CHANGE : Map updated. BRG/DIST from ARP.

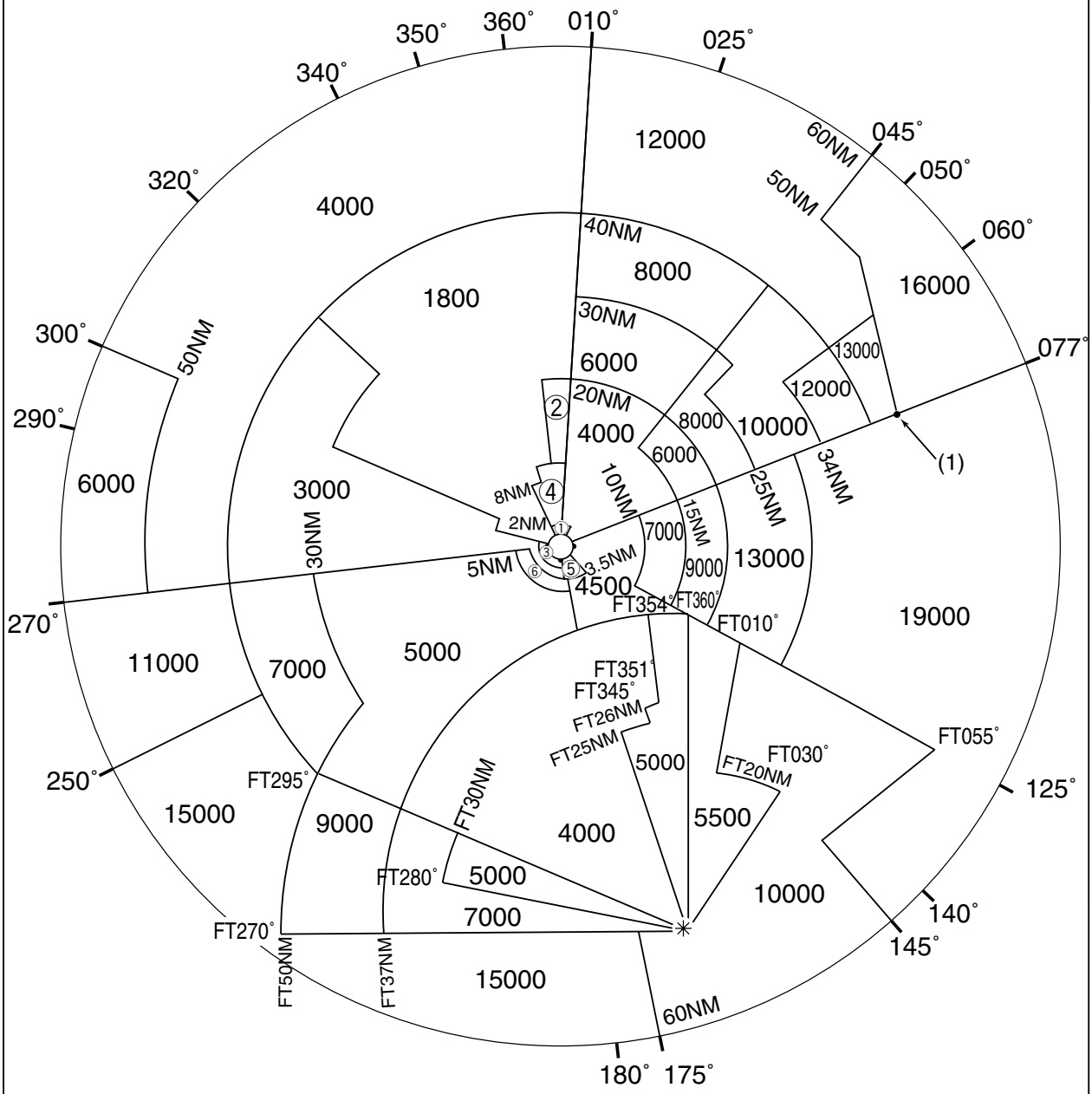
Call sign	BRG / DIST from ARP	Remarks
古賀 Koga	014°T / 8.4NM	高速道路インターチェンジ Interchange
長者原 Chojabaru	046°T / 2.3NM	ドーム型建造物 Dome
太宰府 Dazaifu	133°T / 6.4NM	ゴルフ場 Golf Course
三沢 Mitsusawa	153°T / 10.4NM	ゴルフ場 Golf Course
*那珂川 Nakagawa	197°T / 5.8NM	松尾橋 Bridge
室見 Muromi	277°T / 5.4NM	室見川河口 River mouth
今津 Imazu	275°T / 9.4NM	今津橋 Bridge
志賀 Shika	305°T / 8.2NM	志賀島橋 Bridge
北崎 Kitazaki	289°T / 11.5NM	漁港 Harbor

*ヘリコプター用　Use For Helicopter


LDG CHART
RJFF / FUKUOKA
ELEV 30ft
PAPI ANGLE 3.0°
MEHT 21.3m (70ft)
436m fm THR
FUKUOKA TOWER
118.4-126.2-236.8
RVR
9180x200ft Asph-Conc
PALS
ABN
CGL
PAPI ANGLE 3.0°
MEHT 20m (66ft)
435.3m fm THR
MATSUODANI HBN 474
SAKURAGAOKA HBN 665
BISHAMON HBN 999
ELEVATION AND
HEIGHTS IN FEET
MEAN SEA LEVEL
SCALE
ANTENNA TOWER
(See page AD2.23)
VAR 6°54′W
(2009)
130°32′
30′
28′
26′
24′
20′
33°32′
34′
36′

RJFF / FUKUOKA Minimum Vectoring Altitude CHART

VAR 7˚W (2012)



① 1900
② 2000
③ 2200
④ 2300
⑤ 2400
⑥ 3300

(1) *334821N/1311428E*

CENTER : *333525N/1302627E*(No.1 RADAR SITE)
CENTER : *333453N/1302650E*(No.2 RADAR SITE)
✳ : *324949N/1305040E*(RJFT RADAR SITE)