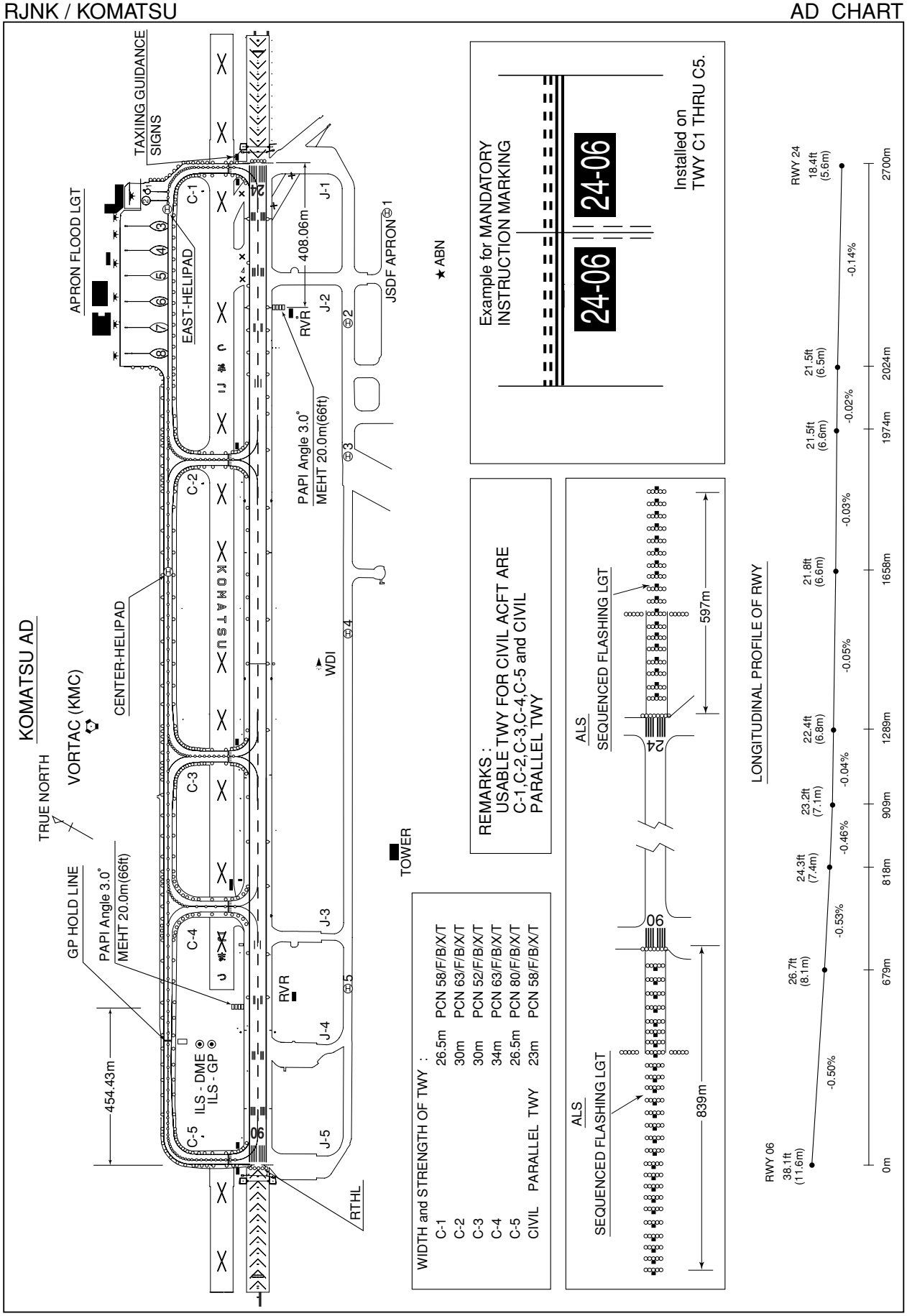
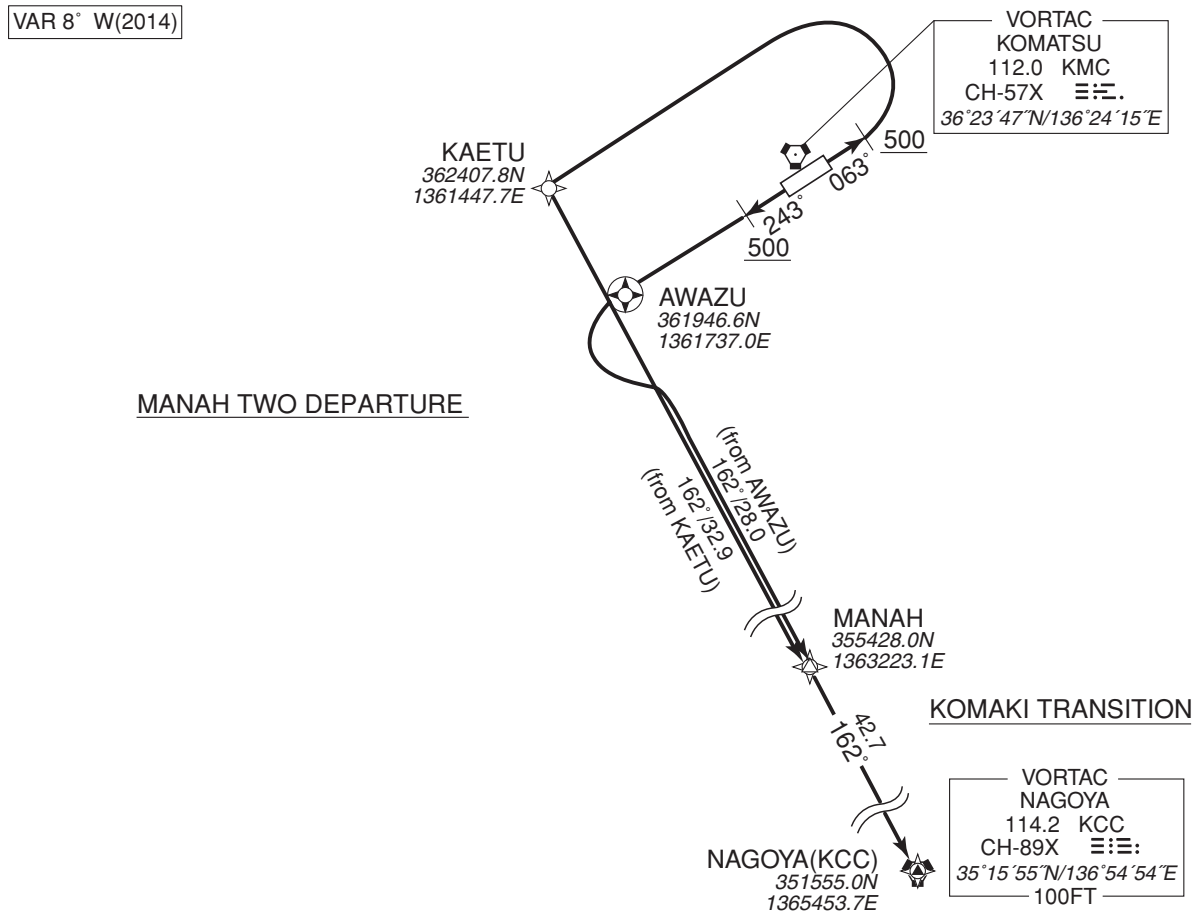
RJNK / KOMATSU AD CHART



STANDARD DEPARTURE CHART -INSTRUMENT

RJNK / KOMATSU — RNAV SID and TRANSITION

MANAH TWO DEPARTURE		RNAV1
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	RWY06 KMC, YME: 10NM to KAETU - 30NM to MANAH, 23NM to MANAH - 3NM to MANAH RWY24 KMC, YME: 23NM to MANAH - 3NM to MANAH
	DME GAP	RWY06 06DER - 10NM to KAETU 30NM to MANAH - 23NM to MANAH RWY24 24DER - 23NM to MANAH
	Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1



MANAH TWO DEPARTURE

RWY06 : Climb on HDG063° at or above 500FT, turn left direct to KAETU, to MANAH.

RWY24 : Climb on HDG243° at or above 500FT, direct to AWAZU, to MANAH.

NOTE RWY06 : 4.1% climb gradient required up to 3900FT.
OBST ALT 3215FT located at 13.0NM 200° FM end of RWY06.

RWY24 : 4.8% climb gradient required up to 3900FT.
OBST ALT 3215FT located at 12.0NM 195° FM end of RWY24.

KOMAKI TRANSITION

From MANAH to KCC.

CHANGE : Minor change

STANDARD DEPARTURE CHART -INSTRUMENT

RJNK / KOMATSU RNAV SID and TRANSITION

MANAH TWO DEPARTURE

RWY06

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	–	–	063 (055.0)	-7.7	–	–	+500	–	–	RNAV1
002	DF	KAETU	–	–	-7.7	–	L	–	–	–	RNAV1
003	TF	MANAH	–	162 (154.3)	-7.7	32.9	–	–	–	–	RNAV1

RWY24

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	–	–	243 (235.0)	-7.7	–	–	+500	–	–	RNAV1
002	DF	AWAZU	Y	–	-7.7	–	–	–	–	–	RNAV1
003	TF	MANAH	–	162 (154.7)	-7.7	28.0	–	–	–	–	RNAV1

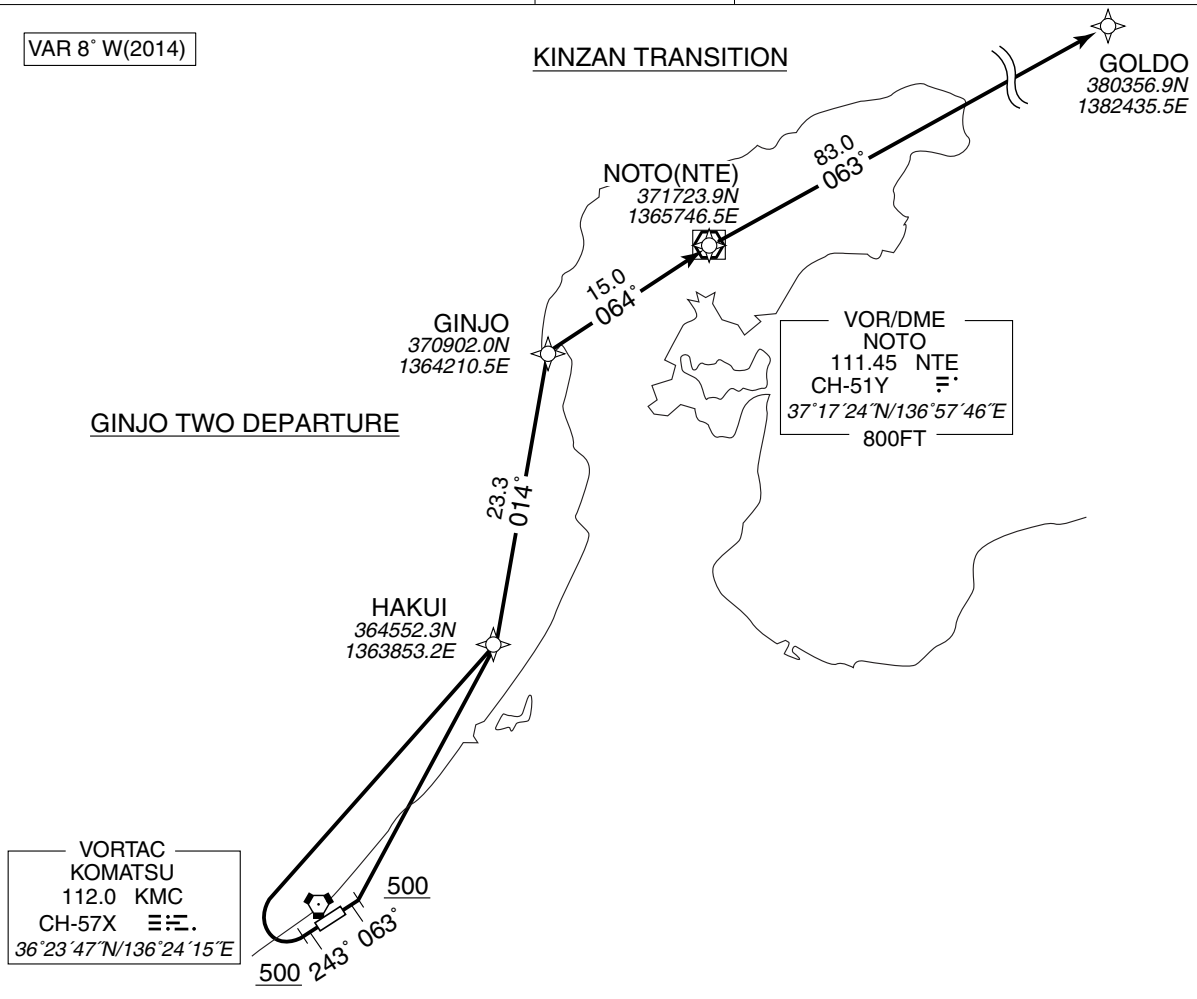
KOMAKI TRANSITION

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	MANAH	–	–	-7.7	–	–	–	–	–	RNAV1
002	TF	KCC	–	162 (154.5)	-7.7	42.7	–	–	–	–	RNAV1

STANDARD DEPARTURE CHART -INSTRUMENT

RJNK / KOMATSU RNAV SID and TRANSITION

GINJO TWO DEPARTURE		RNAV1
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	RWY06 TOE: 14NM to HAKUI - NOTO RWY24 KMC, YME: 29.5NM to HAKUI - 19NM to HAKUI TOE: 13NM to HAKUI - NOTO KINZAN TRANSITION TOE: NOTO - 81 NM to GOLDO 81NM to GOLDO - 73NM to GOLDO KMC: 81NM to GOLDO - 73NM to GOLDO GTC: 66NM to GOLDO - 35NM to GOLDO 7NM to GOLDO - GOLDO
	DME GAP	RWY06 06DER - 14NM to HAKUI RWY24 24DER - 29.5NM to HAKUI
	Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1



GINJO TWO DEPARTURE

RWY06 : Climb on HDG063° at or above 500FT, turn left direct to HAKUI, to GINJO, to NTE.
RWY24 : Climb on HDG243° at or above 500FT, turn right direct to HAKUI, to GINJO, to NTE.

KINZAN TRANSITION

From NTE to GOLDO.

STANDARD DEPARTURE CHART -INSTRUMENT

RJNK / KOMATSU RNAV SID and TRANSITION

GINJO TWO DEPARTURE

RWY06

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	–	–	063 (055.0)	-7.7	–	–	+500	–	–	RNAV1
002	DF	HAKUI	–	–	-7.7	–	L	–	–	–	RNAV1
003	TF	GINJO	–	014 (006.5)	-7.7	23.3	–	–	–	–	RNAV1
004	TF	NTE	–	064 (056.0)	-7.7	15.0	–	–	–	–	RNAV1

RWY24

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	–	–	243 (235.0)	-7.7	–	–	+500	–	–	RNAV1
002	DF	HAKUI	–	–	-7.7	–	R	–	–	–	RNAV1
003	TF	GINJO	–	014 (006.5)	-7.7	23.3	–	–	–	–	RNAV1
004	TF	NTE	–	064 (056.0)	-7.7	15.0	–	–	–	–	RNAV1

KINZAN TRANSITION

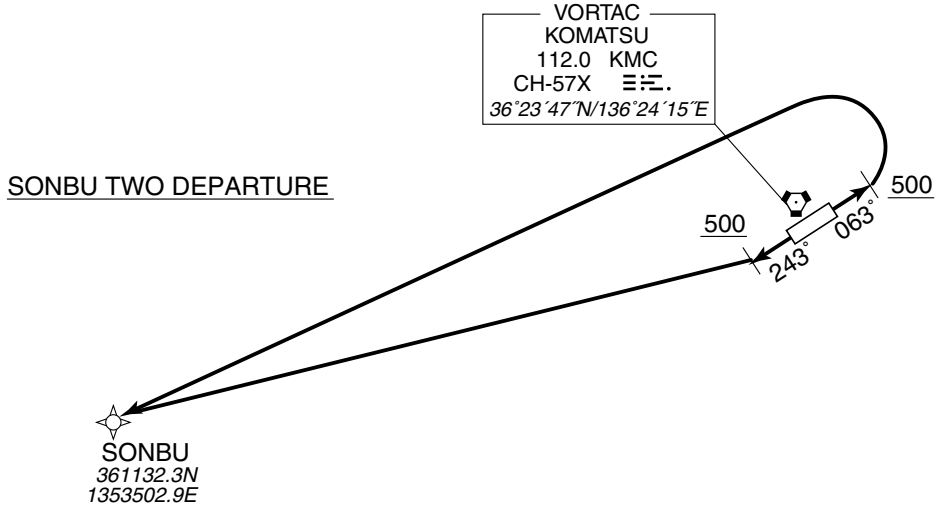
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course ˚M(˚T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	NTE	–	–	-7.7	–	–	–	–	–	RNAV1
002	TF	GOLDO	–	063 (055.4)	-7.7	83.0	–	–	–	–	RNAV1

STANDARD DEPARTURE CHART -INSTRUMENT

RJNK / KOMATSU RNAV SID

SONBU TWO DEPARTURE		RNAV1
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	RWY06 YME: 30NM to SONBU - 6NM to SONBU RWY24 YME: 23NM to SONBU - 6NM to SONBU
	DME GAP	RWY06 06DER - 44.5NM to SONBU RWY24 24DER - 23NM to SONBU
	Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

VAR 8˚W(2014)



SONBU TWO DEPARTURE

RWY06 : Climb on HDG063˚ at or above 500FT, turn left direct to SONBU.
RWY24 : Climb on HDG243˚ at or above 500FT, turn right direct to SONBU.

STANDARD DEPARTURE CHART -INSTRUMENT

RJNK / KOMATSU RNAV SID

SONBU TWO DEPARTURE

RWY06

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	–	–	063 (055.0)	-7.7	–	–	+500	–	–	RNAV1
002	DF	SONBU	–	–	-7.7	–	L	–	–	–	RNAV1

RWY24

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	–	–	243 (235.0)	-7.7	–	–	+500	–	–	RNAV1
002	DF	SONBU	–	–	-7.7	–	R	–	–	–	RNAV1

STANDARD DEPARTURE CHART -INSTRUMENT

RJNK / KOMATSU SID

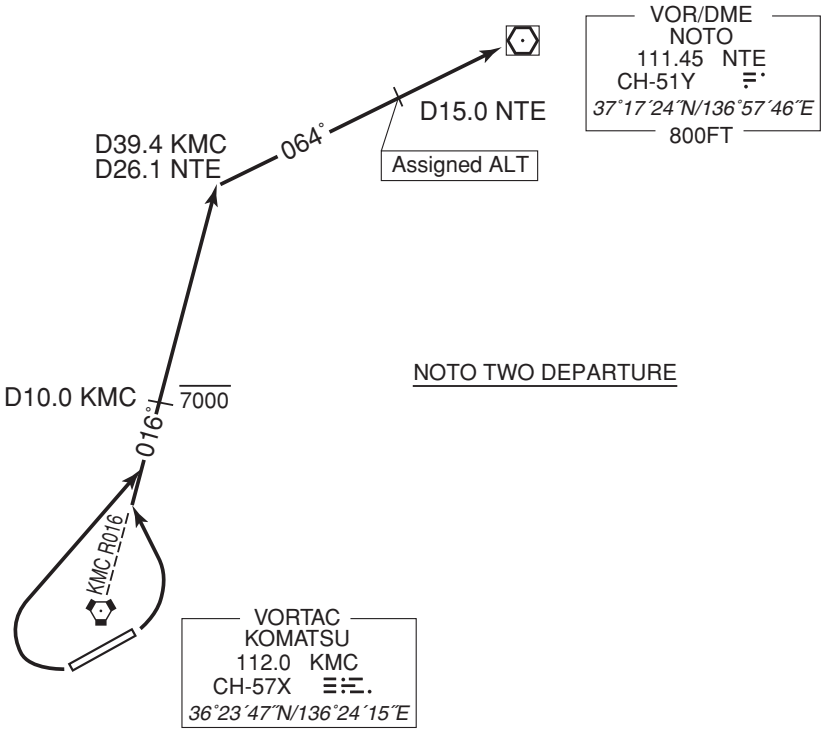
NOTO TWO DEPARTURE

RWY06: Turn left,...

RWY24: Turn right,...

... climb via KMC R016 to intercept and proceed via NTE R244 to NTE VOR/DME.

Cross KMC R016/10.0DME at or below 7000FT, cross NTE R244/15.0DME at assigned altitude.



CHANGE : SID renamed

STANDARD DEPARTURE CHART -INSTRUMENT

RJNK / KOMATSU SID

MIYAZU FOUR DEPARTURE

RWY 06 : Turn left,...
RWY 24 : Turn right,...
...climb via KMC R286 to intercept and proceed via YME R040 to YME VOR/DME.
Cross KMC R286/10.0DME (YME R050) at or below 7000FT (*at 7000FT), cross YME R040/48.0DME (KMC R256) at assigned altitude.
*YME R050 MRA 7000FT

KOMATSU REVERSAL THREE DEPARTURE

RWY 06 : Turn left,...
RWY 24 : Turn right,...
...climb via KMC R351, turn left to intercept and proceed via KMC R331 to KMC VORTAC within KMC 30.0DME.
Cross KMC R351/8.0DME at or below 7000FT, cross KMC R331/ 10.0DME at assigned altitude.

KAGA FOUR DEPARTURE

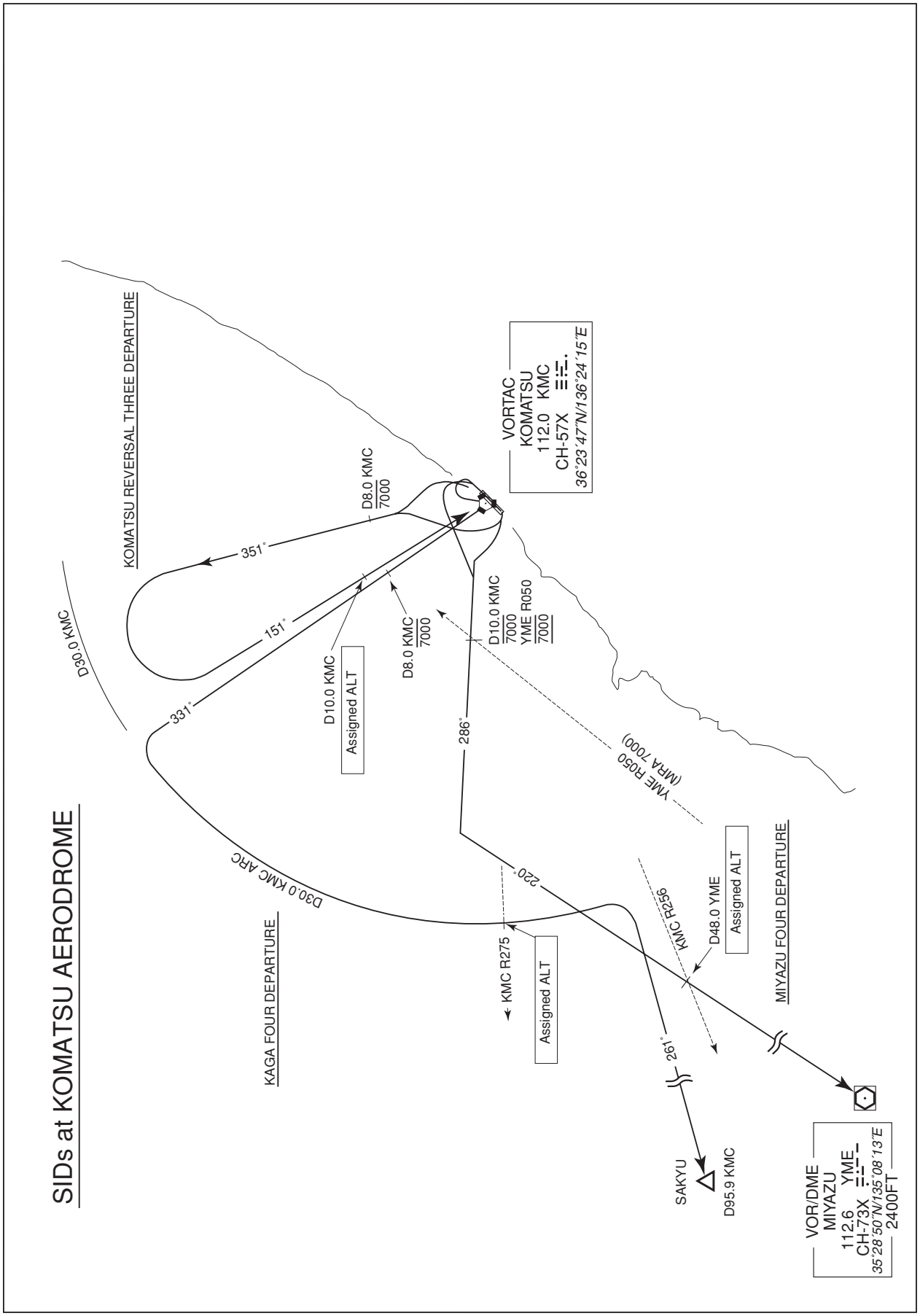
RWY 06 : Turn left,...
RWY 24 : Turn right,...
...climb via KMC R331 to intercept and proceed via KMC 30.0DME counterclockwise ARC, turn right to intercept and proceed via KMC R261 to SAKYU.
Cross KMC R331/8.0DME at or below 7000FT, cross KMC R275 at assigned altitude.

CHANGE : SID renamed

STANDARD DEPARTURE CHART -INSTRUCTION

RJNK / KOMATSU

SID



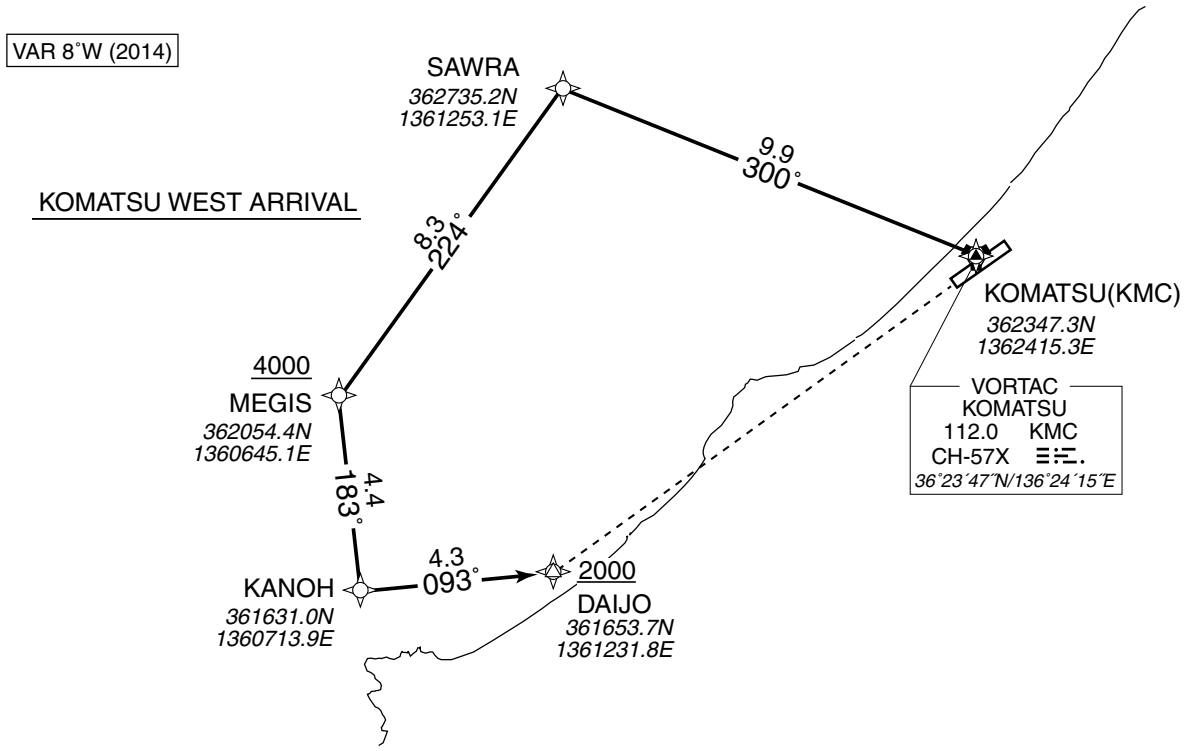
CHANGE : SID renamed, MIYAZU VOR/DME(YME) added

STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU — RNAV STAR RWY06

KOMATSU WEST ARRIVAL	RNAV 1

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



KOMATSU WEST ARRIVAL

From KMC, to SAWRA, to MEGIS at or above 4000FT, to KANOH, to DAIJO at or above 2000FT.

Critical DME	KMC : 6.9nm to SAWRA - 5.0nm to SAWRA KMC : 2.0nm to SAWRA - 5.0nm to MEGIS KMC : MEGIS - 3.0nm to KANOH YME : 6.9nm to SAWRA - 5.0nm to SAWRA YME : 2.0nm to SAWRA - 5.0nm to MEGIS YME : MEGIS - 3.0nm to KANOH
DME GAP	KMC - 6.9nm to SAWRA 5.0nm to SAWRA - 2.0nm to SAWRA 5.0nm to MEGIS - MEGIS 3.0nm to KANOH - DAIJO
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	KMC	–	–	-7.7	–	–	–	–	–	RNAV1
002	TF	SAWRA	–	300 (292.6)	-7.7	9.9	–	–	–	–	RNAV1
003	TF	MEGIS	–	224 (216.5)	-7.7	8.3	–	+4000	–	–	RNAV1
004	TF	KANOH	–	183 (175.0)	-7.7	4.4	–	–	–	–	RNAV1
005	TF	DAIJO	–	093 (084.9)	-7.7	4.3	–	+2000	–	–	RNAV1

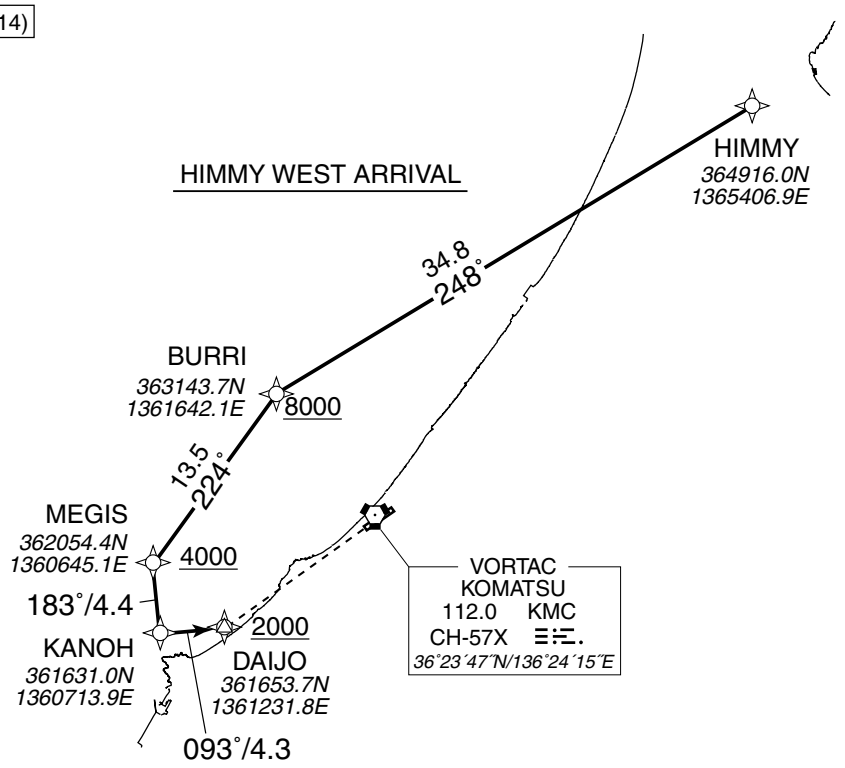
STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU — RNAV STAR RWY06

HIMMY WEST ARRIVAL	RNAV 1

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

VAR 8˚W (2014)



HIMMY WEST ARRIVAL

From HIMMY, to BURRI at or above 8000FT, to MEGIS at or above 4000FT, to KANOH, to DAIJO at or above 2000FT.

Critical DME	TOE : HIMMY - 11.0nm to BURRI TOE : 8.0nm to MEGIS - 7.0nm to MEGIS KMC : HIMMY - 30.0nm to BURRI KMC : 24.0nm to BURRI - 22.0nm to BURRI KMC : 17.0nm to BURRI - 15.0nm to BURRI KMC : 8.0nm to MEGIS - 7.0nm to MEGIS KMC : MEGIS - 3.0nm to KANOH YME : MEGIS - 3.0nm to KANOH
DME GAP	7.0nm to MEGIS - MEGIS 3.0nm to KANOH - DAIJO
Inappropriate Navaids	See AD1.1.6.10.3 Inappropriate NAVAIDs for RNAV1

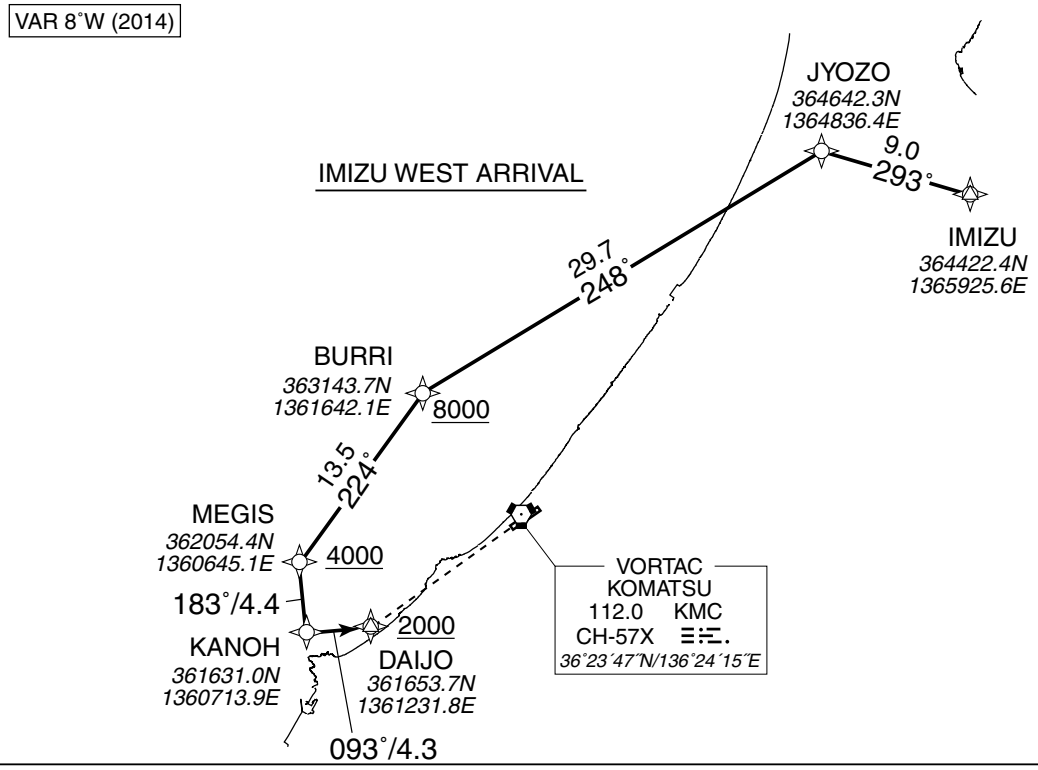
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course ˚M(˚T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	HIMMY	–	–	-7.7	–	–	–	–	–	RNAV1
002	TF	BURRI	–	248 (239.9)	-7.7	34.8	–	+8000	–	–	RNAV1
003	TF	MEGIS	–	224 (216.5)	-7.7	13.5	–	+4000	–	–	RNAV1
004	TF	KANOH	–	183 (175.0)	-7.7	4.4	–	–	–	–	RNAV1
005	TF	DAIJO	–	093 (084.9)	-7.7	4.3	–	+2000	–	–	RNAV1

STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU — RNAV STAR RWY06

IMIZU WEST ARRIVAL	RNAV 1

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



IMIZU WEST ARRIVAL

From IMIZU, to JYOZO, to BURRI at or above 8000FT, to MEGIS at or above 4000FT, to KANOH, to DAIJO at or above 2000FT.

Critical DME	TOE : IMIZU - 10.0nm to BURRI KMC : 4.0nm to JYOZO - JYOZO KMC : 24.0nm to BURRI - 22.0nm to BURRI KMC : 17.0nm to BURRI - 15.0nm to BURRI KMC : 7.0nm to MEGIS - 5.0nm to MEGIS KMC : MEGIS - 3.0nm to KANOH YME : 7.0nm to MEGIS - 5.0nm to MEGIS YME : MEGIS - 3.0nm to KANOH
DME GAP	5.0nm to MEGIS - MEGIS 3.0nm to KANOH - DAIJO
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	IMIZU	–	–	-7.7	–	–	–	–	–	RNAV1
002	TF	JYOZO	–	293 (285.1)	-7.7	9.0	–	–	–	–	RNAV1
003	TF	BURRI	–	248 (239.8)	-7.7	29.7	–	+8000	–	–	RNAV1
004	TF	MEGIS	–	224 (216.5)	-7.7	13.5	–	+4000	–	–	RNAV1
005	TF	KANOH	–	183 (175.0)	-7.7	4.4	–	–	–	–	RNAV1
006	TF	DAIJO	–	093 (084.9)	-7.7	4.3	–	+2000	–	–	RNAV1

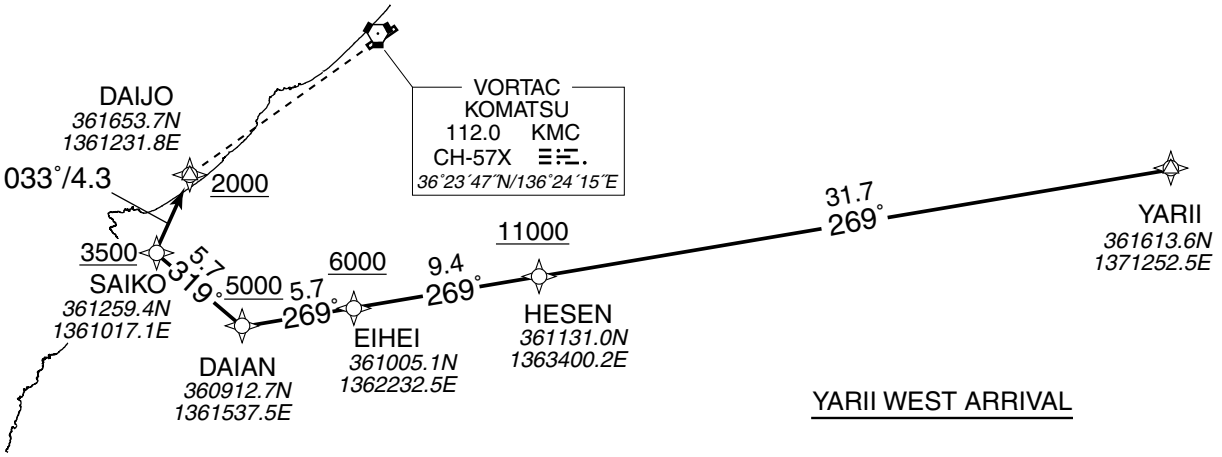
STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU — RNAV STAR RWY06

YARII WEST ARRIVAL	RNAV 1

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

VAR 8˚W (2014)



YARII WEST ARRIVAL

From YARII, to HESEN at or above 11000FT, to EIHEI at or above 6000FT, to DAIAN at or above 5000FT, to SAIKO at or above 3500FT, to DAIJO at or above 2000FT.

Critical DME	KMC : 14.0nm to HESEN -EIHEI YME : HESEN-EIHEI
DME GAP	EIHEI - DAIJO
Inappropriate Navaids	See AD1.1.6.10.3 Inappropriate NAVAIDs for RNAV1

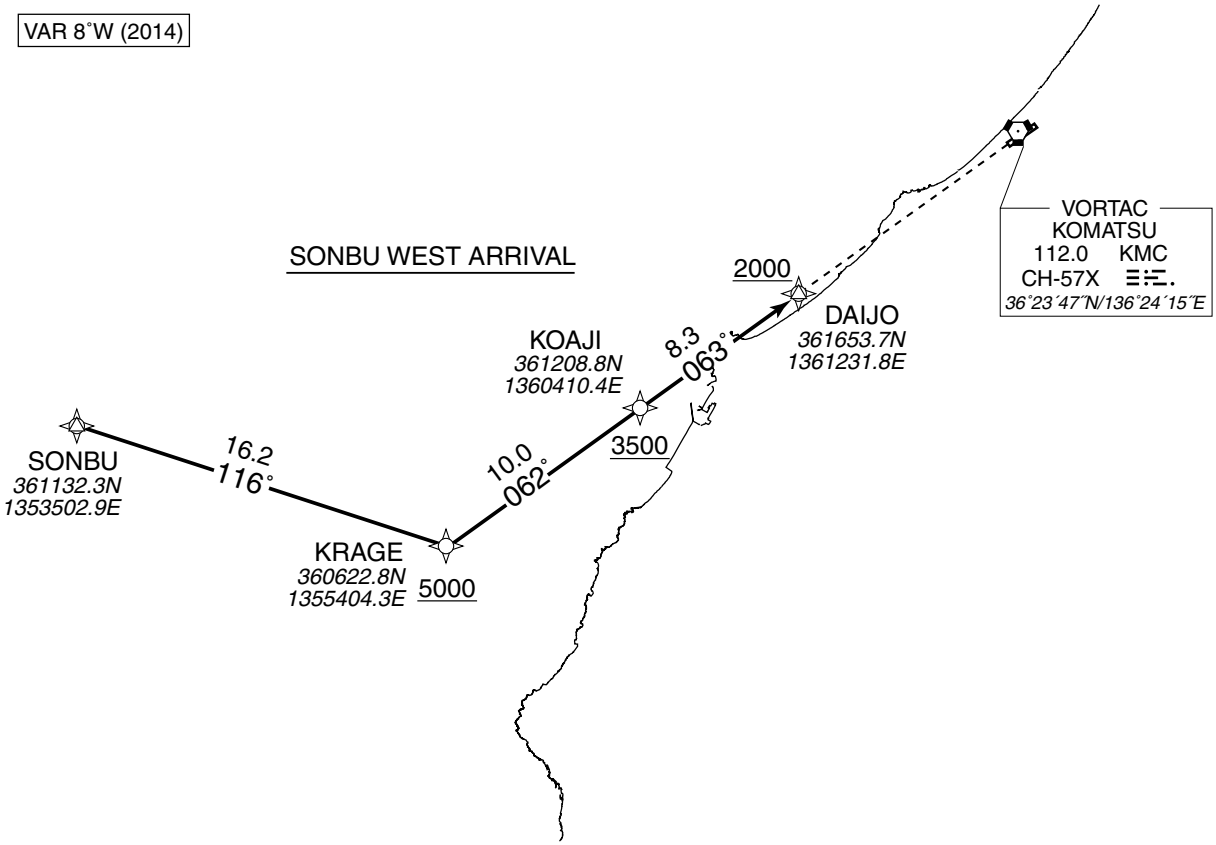
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course ˚M(˚T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	YARII	–	–	-7.7	–	–	–	–	–	RNAV1
002	TF	HESEN	–	269 (261.6)	-7.7	31.7	–	+11000	–	–	RNAV1
003	TF	EIHEI	–	269 (261.3)	-7.7	9.4	–	+6000	–	–	RNAV1
004	TF	DAIAN	–	269 (261.1)	-7.7	5.7	–	+5000	–	–	RNAV1
005	TF	SAIKO	–	319 (311.3)	-7.7	5.7	–	+3500	–	–	RNAV1
006	TF	DAIJO	–	033 (024.9)	-7.7	4.3	–	+2000	–	–	RNAV1

STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU — RNAV STAR RWY06

SONBU WEST ARRIVAL	RNAV 1

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



SONBU WEST ARRIVAL

From SONBU, to KRAGE at or above 5000FT, to KOAJI at or above 3500FT, to DAIJO at or above 2000FT.

Critical DME	KMC : SONBU - 8.0nm to KRAGE YME : SONBU - 8.0nm to KRAGE
DME GAP	8.0nm to KRAGE - DAIJO
Inappropriate Navaids	See AD1.1.6.10.3 Inappropriate NAVAIDs for RNAV1

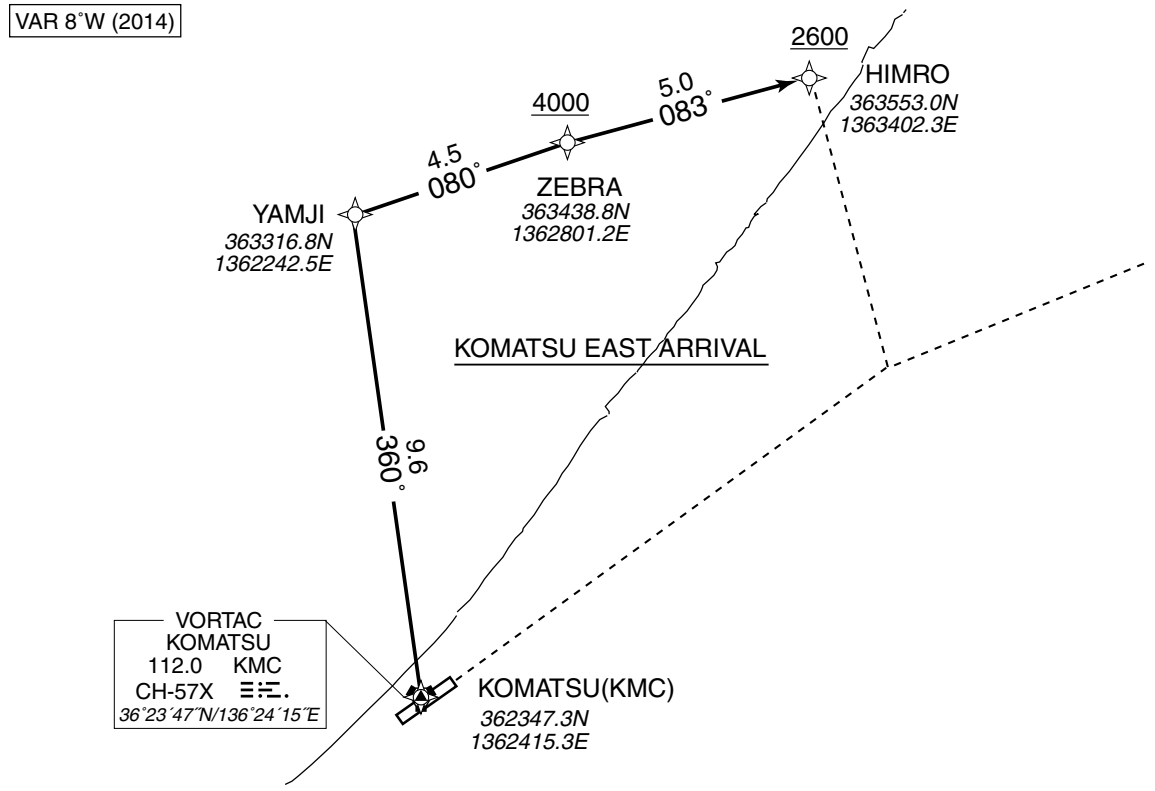
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	SONBU	–	–	-7.7	–	–	–	–	–	RNAV1
002	TF	KRAGE	–	116 (108.5)	-7.7	16.2	–	+5000	–	–	RNAV1
003	TF	KOAJI	–	062 (054.7)	-7.7	10.0	–	+3500	–	–	RNAV1
004	TF	DAIJO	–	063 (054.8)	-7.7	8.3	–	+2000	–	–	RNAV1

STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU — RNAV STAR RWY24

KOMATSU EAST ARRIVAL	RNAV 1

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



KOMATSU EAST ARRIVAL

From KMC, to YAMJI, to ZEBRA at or above 4000FT, to HIMRO at or above 2600FT.

Critical DME	KMC : 6.6nm to YAMJI - YAMJI YME : 6.6nm to YAMJI - YAMJI
DME GAP	KMC - 6.6nm to YAMJI YAMJI - HIMRO
Inappropriate Navaids	See AD1.1.6.10.3 Inappropriate NAVAIDs for RNAV1

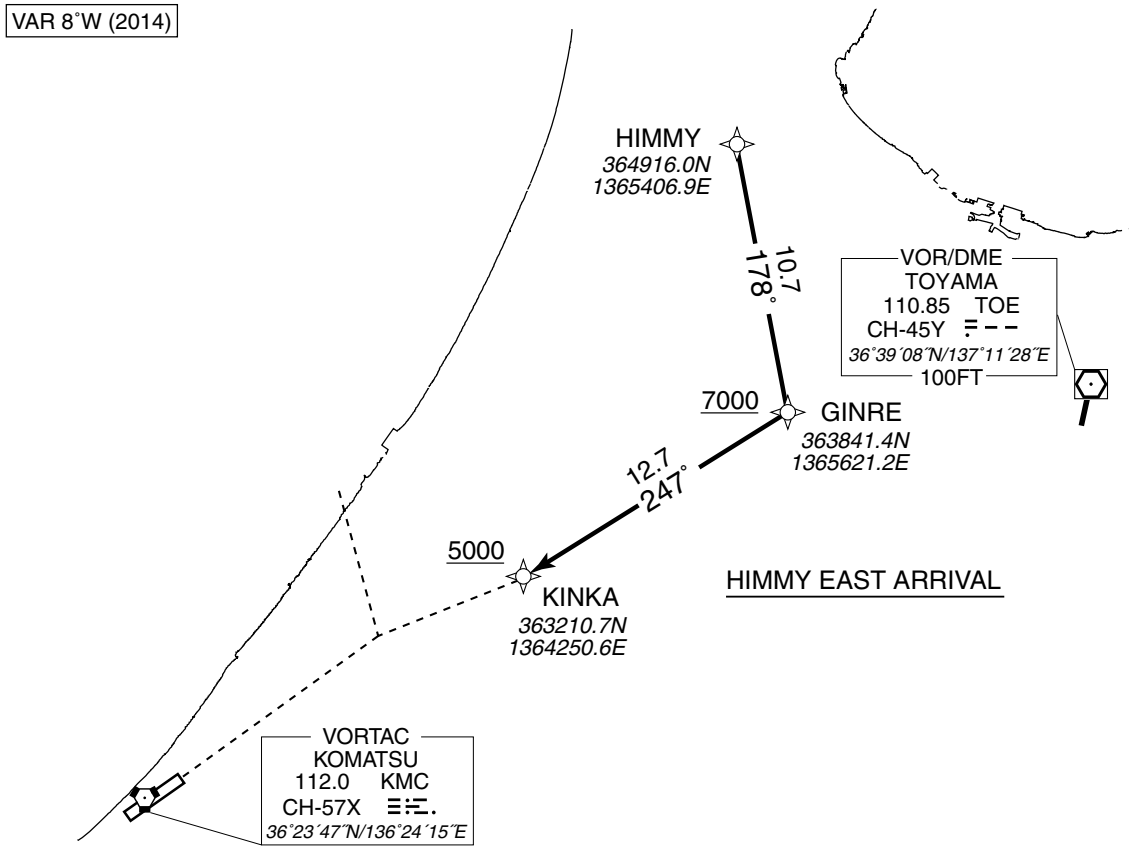
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course ˚M(˚T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	KMC	–	–	-7.7	–	–	–	–	–	RNAV1
002	TF	YAMJI	–	360 (352.5)	-7.7	9.6	–	–	–	–	RNAV1
003	TF	ZEBRA	–	080 (072.2)	-7.7	4.5	–	+4000	–	–	RNAV1
004	TF	HIMRO	–	083 (075.6)	-7.7	5.0	–	+2600	–	–	RNAV1

STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU — RNAV STAR RWY24

HIMMY EAST ARRIVAL	RNAV 1

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



HIMMY EAST ARRIVAL

From HIMMY, to GINRE at or above 7000FT, to KINKA at or above 5000FT.

Critical DME	TOE : HIMMY - GINRE TOE : 12.0nm to KINKA - 9.0nm to KINKA KMC : HIMMY - 7.0nm to GINRE KMC : 6.0nm to GINRE - 2.0nm to GINRE YME : 12.0nm to KINKA - 9.0nm to KINKA
DME GAP	GINRE - 12.0nm to KINKA 9.0nm to KINKA - KINKA
Inappropriate Navaids	See AD1.1.6.10.3 Inappropriate NAVAIDs for RNAV1

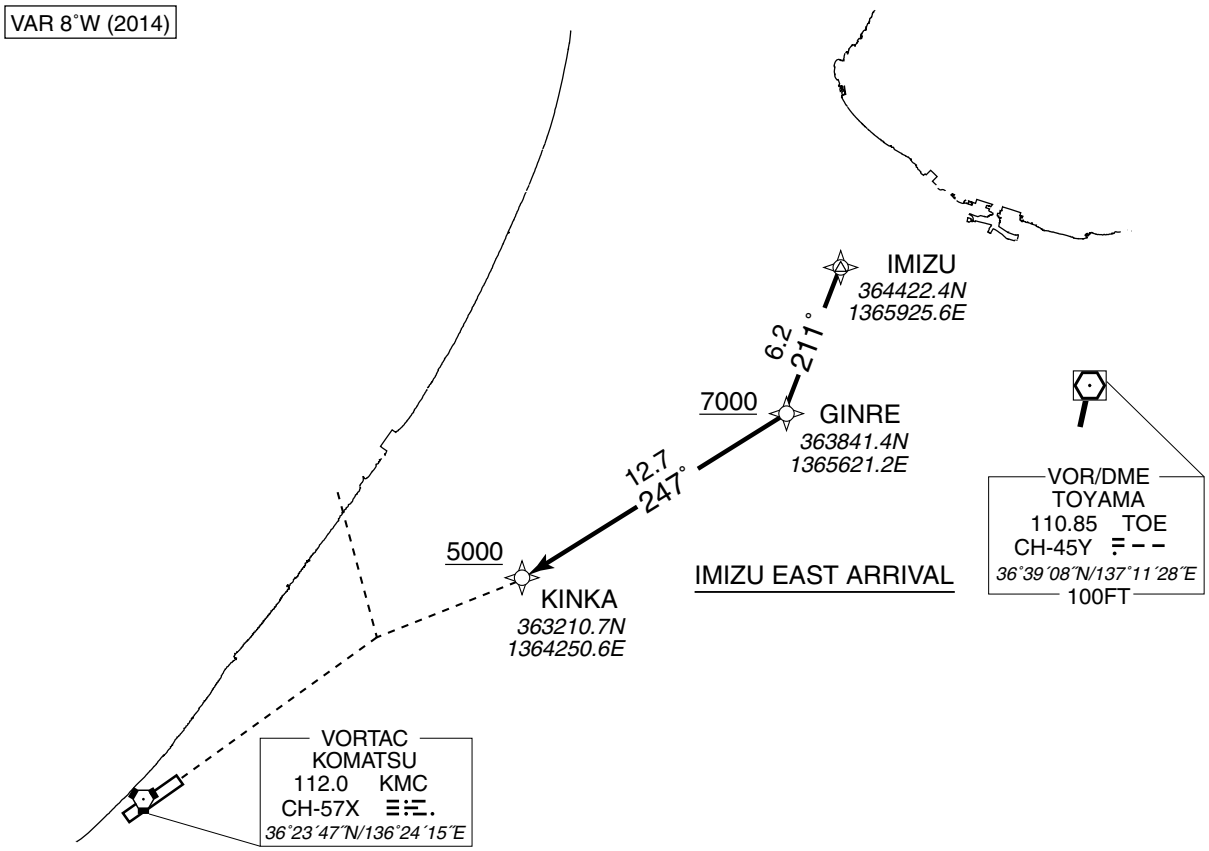
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course ˚M(˚T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	HIMMY	–	–	-7.7	–	–	–	–	–	RNAV1
002	TF	GINRE	–	178 (170.4)	-7.7	10.7	–	+7000	–	–	RNAV1
003	TF	KINKA	–	247 (239.1)	-7.7	12.7	–	+5000	–	–	RNAV1

STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU RNAV STAR RWY24

IMIZU EAST ARRIVAL	RNAV 1

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



IMIZU EAST ARRIVAL

From IMIZU, to GINRE at or above 7000FT, to KINKA at or above 5000FT.

Critical DME	TOE : IMIZU - GINRE TOE : 12.0nm to KINKA - 9.0nm to KINKA KMC : IMIZU - 2.0nm to GINRE YME : 12.0nm to KINKA - 9.0nm to KINKA
DME GAP	GINRE - 12.0nm to KINKA 9.0nm to KINKA - KINKA
Inappropriate Navaids	See AD1.1.6.10.3 Inappropriate NAVAIDs for RNAV1

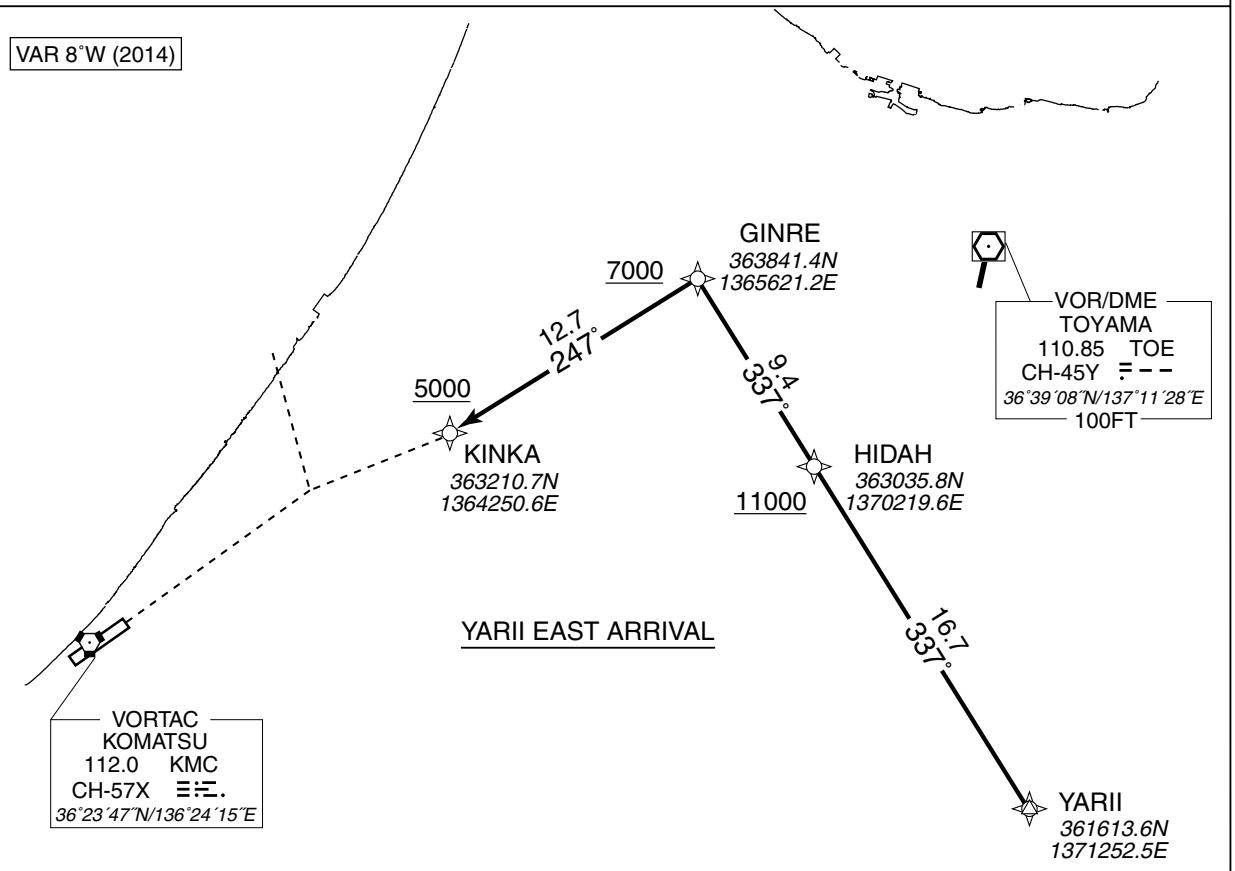
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	IMIZU	–	–	-7.7	–	–	–	–	–	RNAV1
002	TF	GINRE	–	211 (203.4)	-7.7	6.2	–	+7000	–	–	RNAV1
003	TF	KINKA	–	247 (239.1)	-7.7	12.7	–	+5000	–	–	RNAV1

STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU — RNAV STAR RWY24

YARII EAST ARRIVAL	RNAV 1

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



YARII EAST ARRIVAL

From YARII, to HIDAH at or above 11000FT, to GINRE at or above 7000FT, to KINKA at or above 5000FT.

Critical DME	TOE : 8.0nm to HIDAH - 8.0nm to GINRE TOE : 1.0nm to GINRE - GINRE TOE : 12.0nm to KINKA - 9.0nm to KINKA KMC : 2.0nm to HIDAH - 8.0nm to GINRE YME : 1.0nm to GINRE - GINRE YME : 12.0nm to KINKA - 9.0nm to KINKA
DME GAP	8.0nm to GINRE - 1.0nm to GINRE GINRE - 12.0nm to KINKA 9.0nm to KINKA - KINKA
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	YARII	–	–	-7.7	–	–	–	–	–	RNAV1
002	TF	HIDAH	–	337 (329.5)	-7.7	16.7	–	+11000	–	–	RNAV1
003	TF	GINRE	–	337 (329.4)	-7.7	9.4	–	+7000	–	–	RNAV1
004	TF	KINKA	–	247 (239.1)	-7.7	12.7	–	+5000	–	–	RNAV1

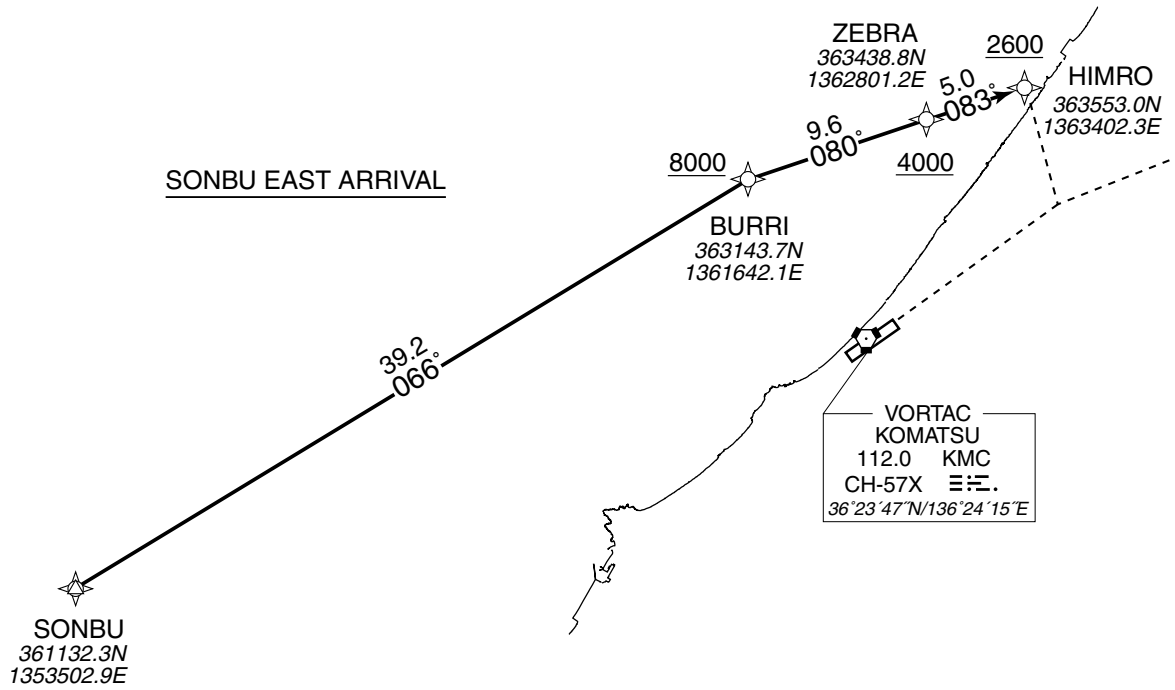
STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU RNAV STAR RWY24

SONBU EAST ARRIVAL	RNAV 1

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

VAR 8˚W (2014)



SONBU EAST ARRIVAL

From SONBU, to BURRI at or above 8000FT, to ZEBRA at or above 4000FT, to HIMRO at or above 2600FT.

Critical DME	YME : SONBU - 8.0nm to BURRI KMC : 34.0nm to BURRI - 8.0nm to BURRI KMC : 7.0nm to BURRI - 5.0nm to BURRI KMC : BURRI - 7.0nm to ZEBRA KMC : 6.0nm to ZEBRA - 5.0nm to ZEBRA TOE : 7.0nm to BURRI - 5.0nm to BURRI TOE : BURRI - 7.0nm to ZEBRA TOE : 6.0nm to ZEBRA - 5.0nm to ZEBRA
DME GAP	8.0nm to BURRI - 7.0nm to BURRI 5.0nm to ZEBRA - HIMRO
Inappropriate Navaids	See AD1.1.6.10.3 Inappropriate NAVAIDs for RNAV1

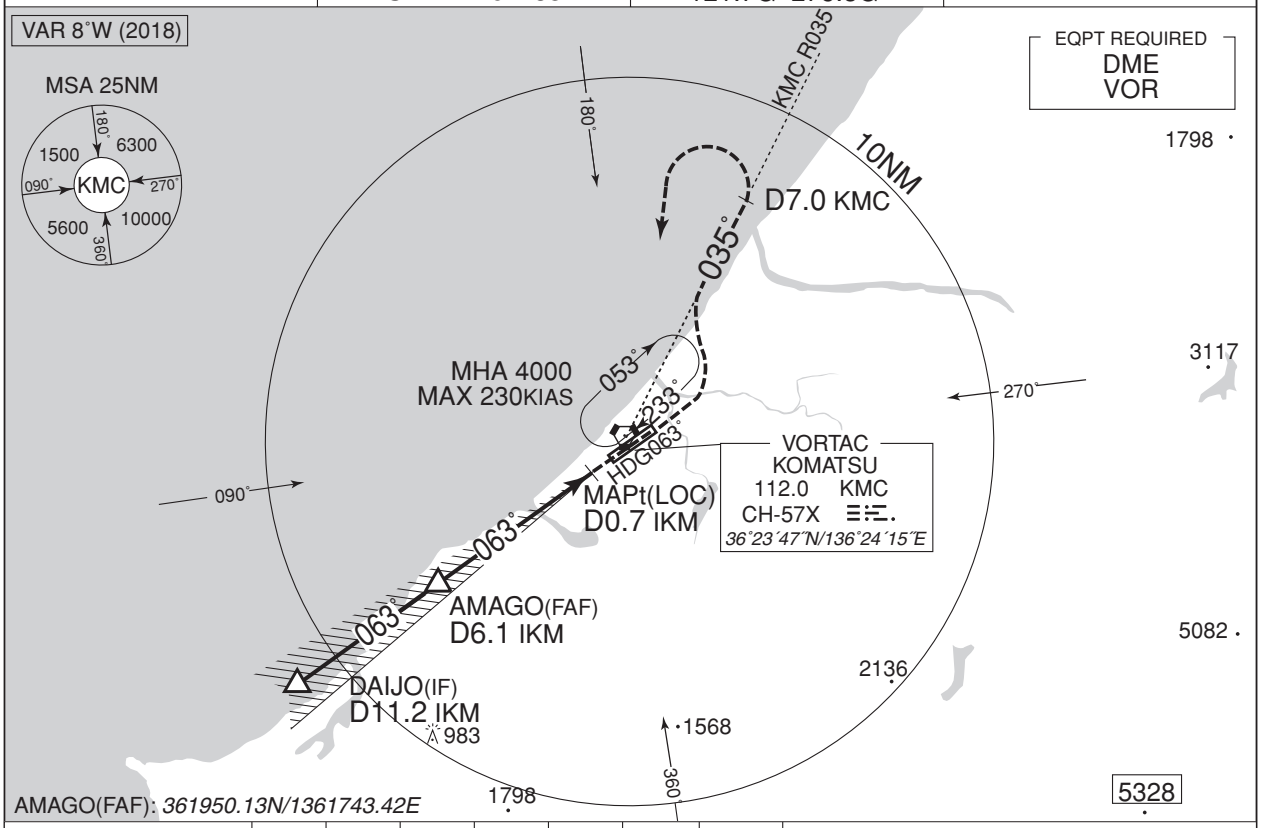
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course ˚M(˚T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	SONBU	–	–	-7.7	–	–	–	–	–	RNAV1
002	TF	BURRI	–	066 (058.8)	-7.7	39.2	–	+8000	–	–	RNAV1
003	TF	ZEBRA	–	080 (072.1)	-7.7	9.6	–	+4000	–	–	RNAV1
004	TF	HIMRO	–	083 (075.6)	-7.7	5.0	–	+2600	–	–	RNAV1

INSTRUMENT APPROACH CHART

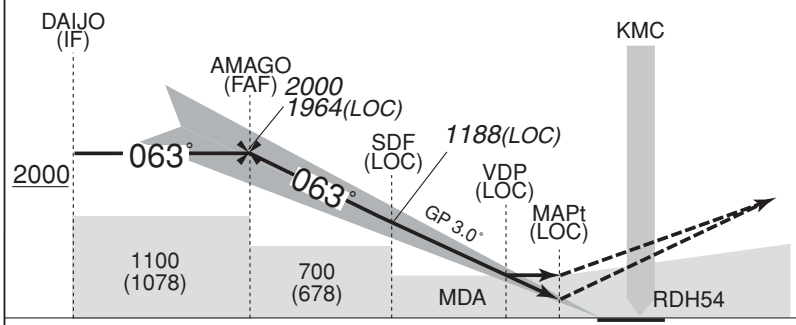
RJNK / KOMATSU

ILS Z or LOC Z RWY06

KOMATSU APP	ILS - LOC	KOMATSU TOWER	RADAR AVBL
121.25 – 261.2 – 120.1	110.1 IKM ILS–GP 334.4 ILS–DME CH–38X	118.25–304.8 126.2–236.8 121.7G–275.8G	CALL KOMATSU APP



NM to IKM	FAF	6	5	4	3	2	MAPt
ALT (3.0° APCH Path)	1964	1936	1618	1299	981	662	–



MISSED APPROACH

Climb to 500FT on HDG063°,
turn left, via KMC R035 to 7.0DME,
turn left, direct to KMC VORTAC and
hold at 4000FT.
Contact KOMATSU APP.

Timing not authorized for defining the MAPt.

11.2	6.1	3.6	1.3	0.7	0.2		DME to IKM
11.0	5.9	3.5	1.2	0.5	0		NM to THR

MINIMA THR elev. 38 AD elev. 22

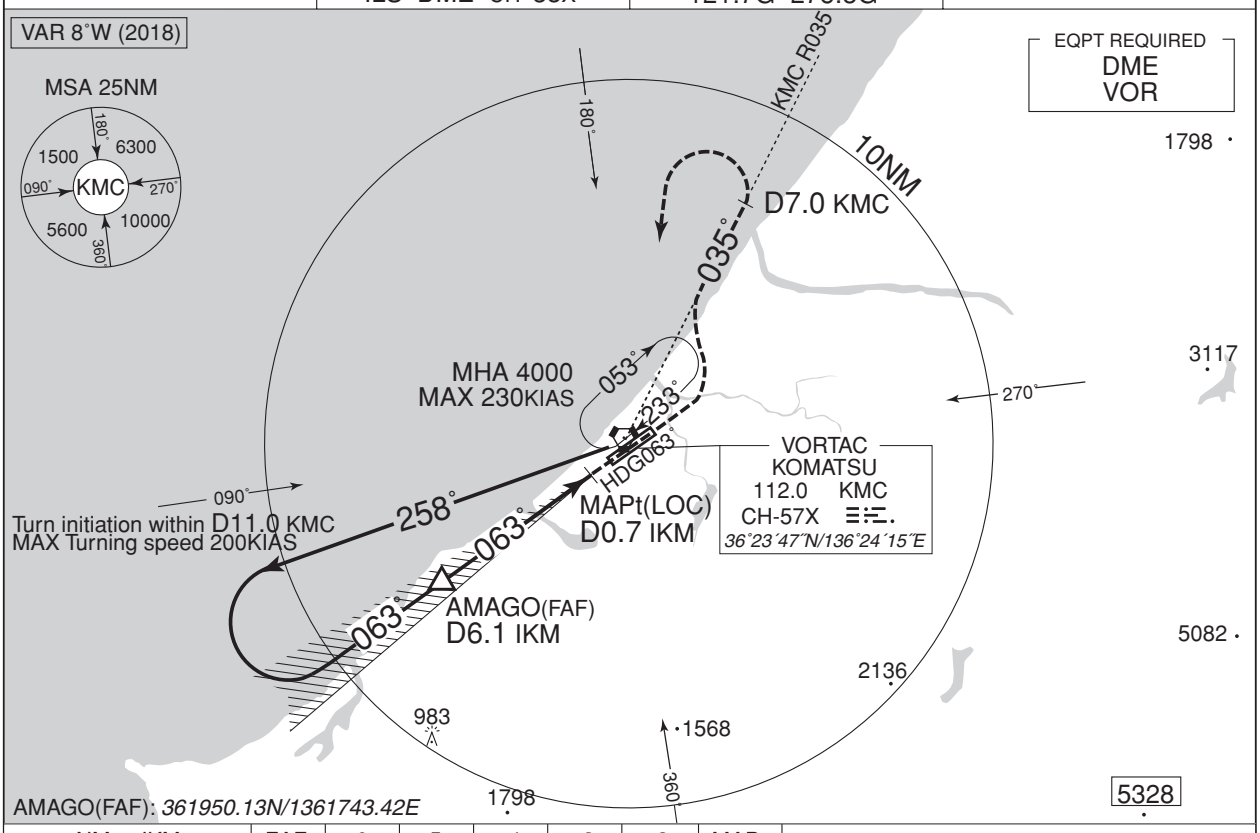
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	238 (200)	750	440 (418)	900	510 (488)	1600
B				1000		
C						2400
D				1400	580 (558)	3200

CHANGE : VAR, MSA

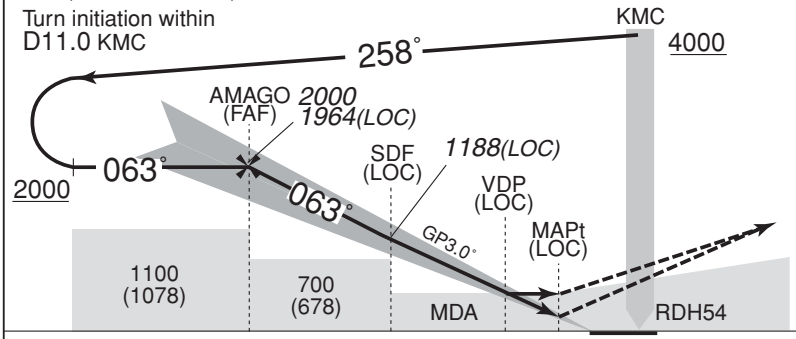
INSTRUMENT APPROACH CHART

RJNK / KOMATSU — ILS Y or LOC Y RWY06

KOMATSU APP	ILS - LOC	KOMATSU TOWER	RADAR AVBL
121.25 – 261.2 – 120.1	110.1 IKM ILS–GP 334.4 ILS–DME CH–38X	118.25–304.8 126.2–236.8 121.7G–275.8G	CALL KOMATSU APP



NM to IKM	FAF	6	5	4	3	2	MAPt
ALT (3.0° APCH Path)	1964	1936	1618	1299	981	662	–



MISSED APPROACH

Climb to 500FT on HDG063°,
turn left, via KMC R035 to 7.0DME,
turn left, direct to KMC VORTAC and
hold at 4000FT.
Contact KOMATSU APP.

Timing not authorized for defining the MAPt.

6.1	3.6	1.3	0.7	0.2	DME to IKM
5.9	3.5	1.2	0.5	0	NM to THR

MINIMA — THR elev. 38 — AD elev. 22

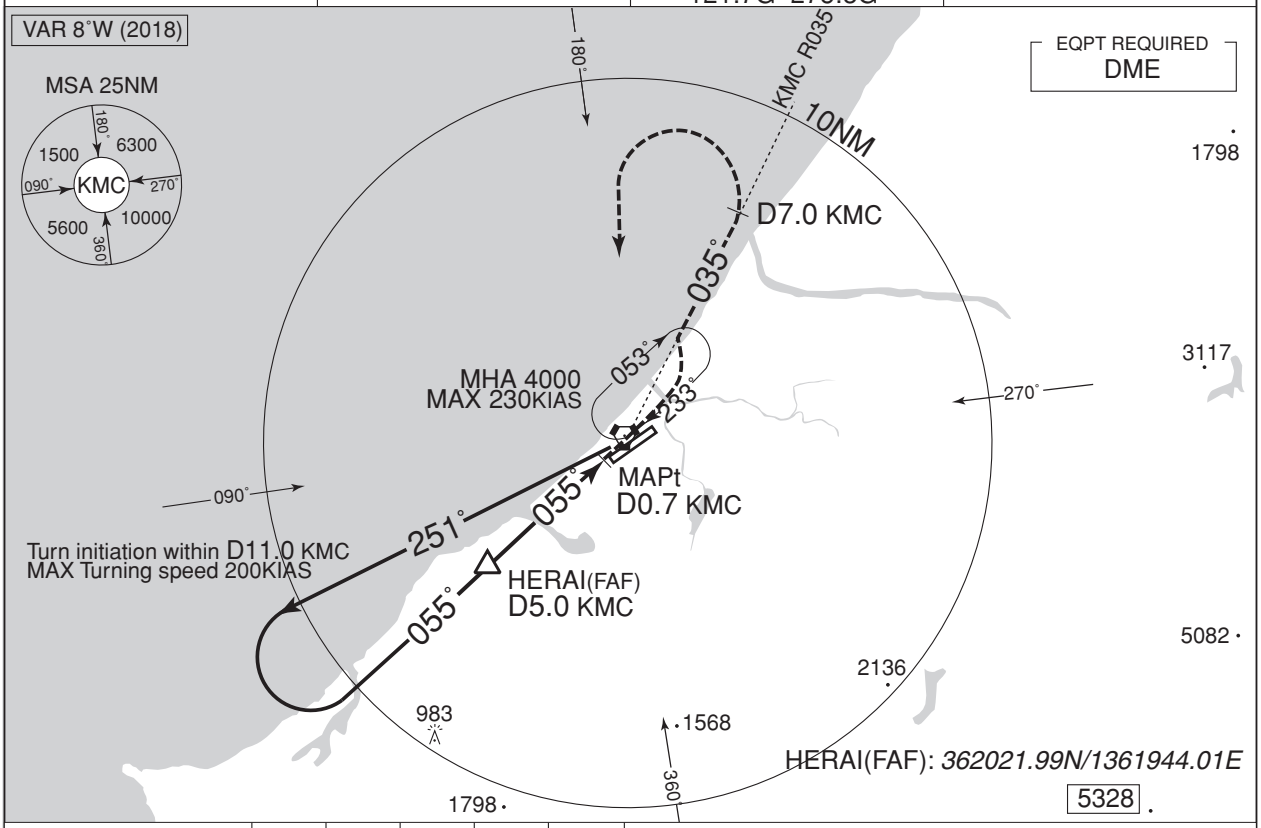
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	238 (200)	750	440 (418)	900	510 (488)	1600
B				1000		
C						2400
D				1400	580 (558)	3200

CHANGE : VAR, MSA

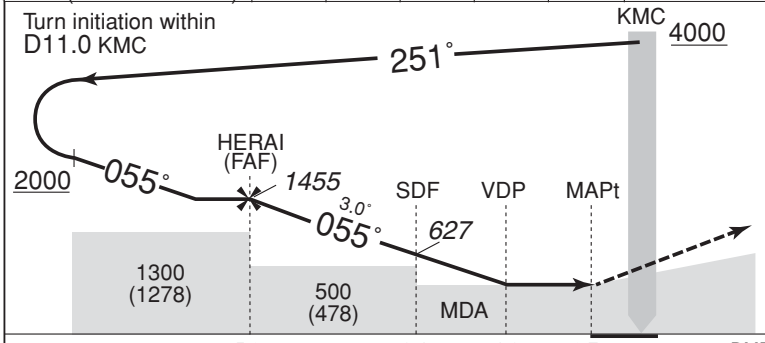
INSTRUMENT APPROACH CHART

RJNK / KOMATSU VOR RWY06

KOMATSU APP	KOMATSU VORTAC	KOMATSU TOWER	RADAR AVBL
121.25 – 261.2 – 120.1	112.0 KMC CH–57X *36°23′47″N/136°24′15″E*	118.25–304.8 126.2–236.8 121.7G–275.8G	CALL KOMATSU APP



NM to KMC	FAF	4	3	2	MAPt
ALT (3.0° APCH Path)	1455	1137	818	500	–



MISSED APPROACH

Climb to 500FT via KMC R055,
turn left, via KMC R035 to 7.0DME,
turn left, direct to KMC VORTAC
and hold at 4000FT.
Contact KOMATSU APP.

Timing not authorized for defining the MAPt.

	5.0	2.4	1.9	0.7	DME to KMC
	4.3	1.7	1.2	0	NM to THR

MINIMA	THR elev. 38		AD elev. 22	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	440 (418)	900	510 (488)	1600
B		1000		
C				2400
D	460 (438)	1400	580 (558)	3200

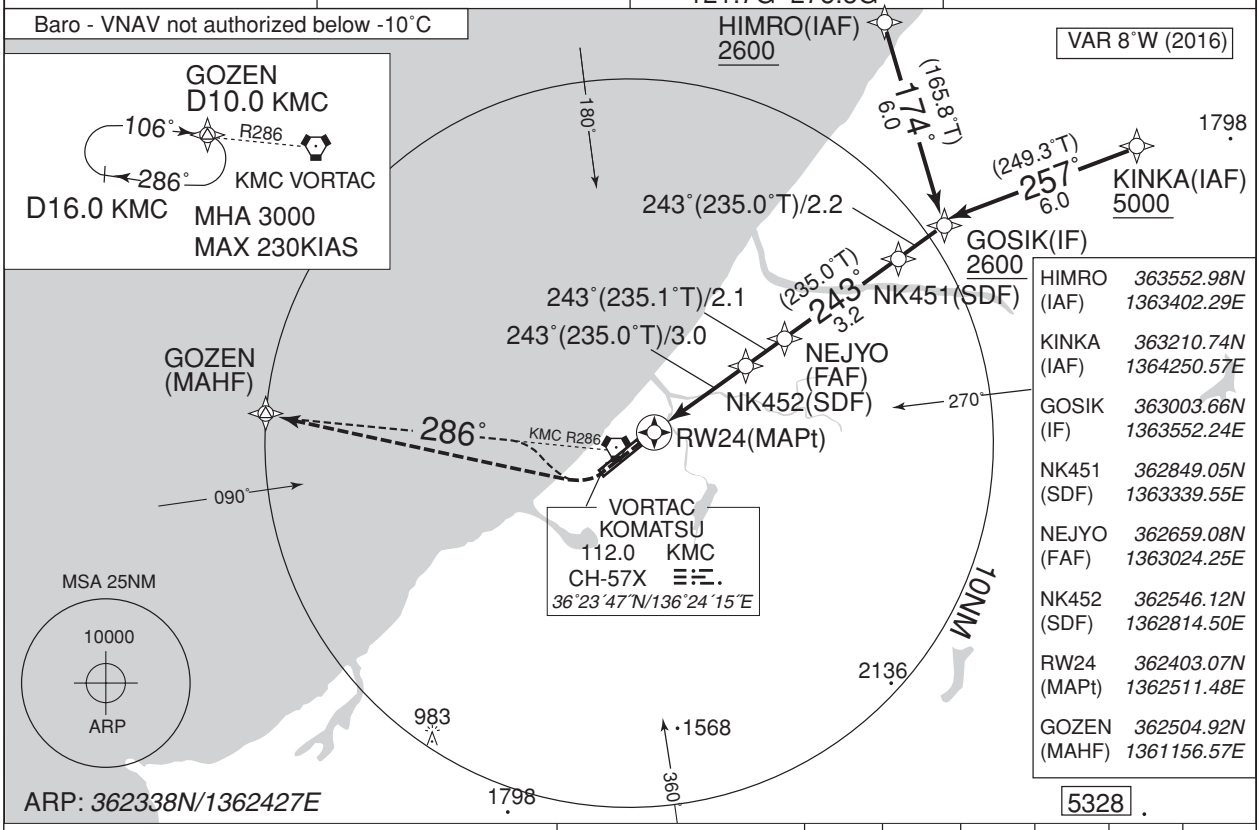
CHANGE : Editorial

INSTRUMENT APPROACH CHART

RJNK / KOMATSU

RNAV(GNSS) RWY24

KOMATSU APP		KOMATSU TOWER	RADAR AVBL
121.25 – 261.2 – 120.1	1. DME/DME not authorized. 2. RADAR service required. 3. GNSS required.	118.25–304.8 126.2–236.8 121.7G–275.8G	CALL KOMATSU APP



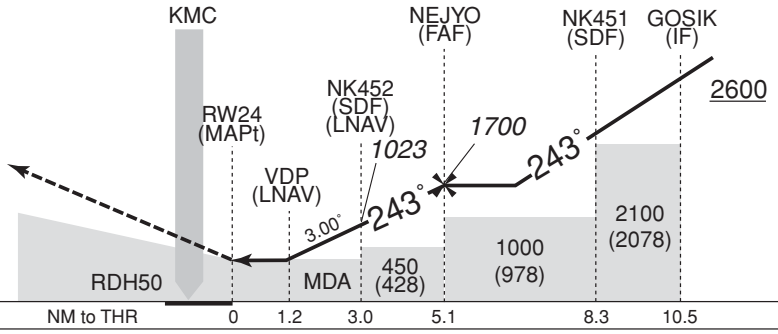
NM to Next Fix	MAPt	2	3	4	5	FAF
ALT (3.0˚ APCH Path)	–	704	1023	1341	1660	1700

MISSED APPROACH

Turn right, direct to GOZEN
and hold at 3000FT.
Contact KOMATSU APP.

(For using VORTAC)

Climb to 3000FT via KMC R286
to GOZEN and hold.
Contact KOMATSU APP.



MINIMA THR elev. 18 AD elev. 22

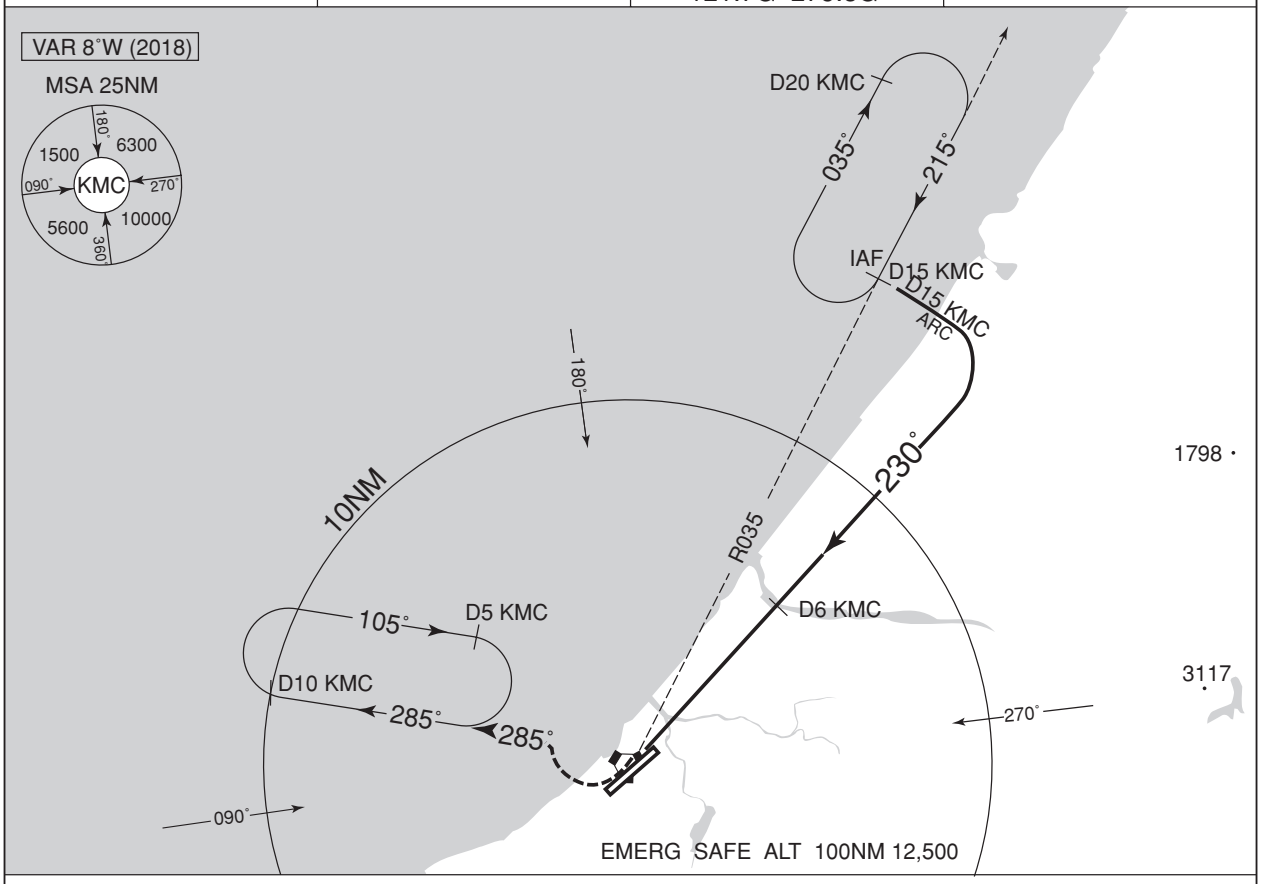
CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	420 (402)	1200	420 (398)	1200	510 (488)	1600
B		1300		1300		
C		1400		1400		2400
D		1600		1600	580 (558)	3200

CHANGE : Radial

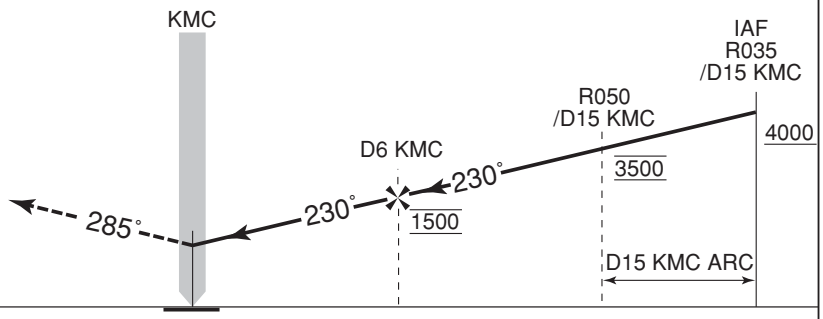
INSTRUMENT APPROACH CHART

RJNK / KOMATSU TACAN NR.1

KOMATSU APP	KOMATSU VORTAC	KOMATSU TOWER	RADAR AVBL
121.25 – 261.2 – 120.1	112.0 KMC CH–57X *36°23′47″N/136°24′15″E*	118.25–304.8 126.2–236.8 121.7G–275.8G	CALL KOMATSU APP



MISSED APPROACH
At KMC TACAN, turn right,
climb via KMC R285 to
10DME fix to 2000FT and hold.
Contact KOMATSU APP.



MINIMA AD elev. 22

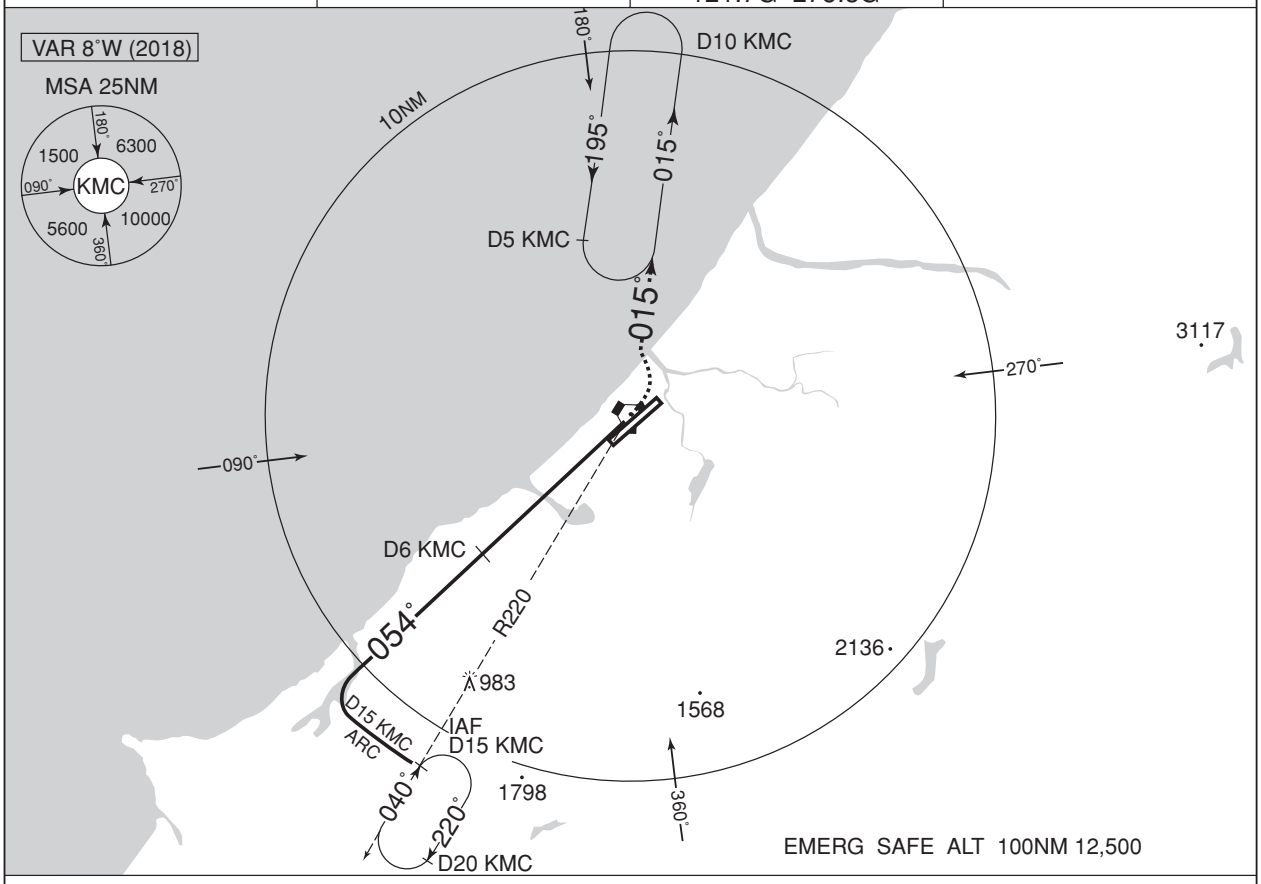
CAT	CIRCLING	
	MDA(H)	VIS
A	510 (488)	1600
B		
C		2400
D	580 (558)	3200

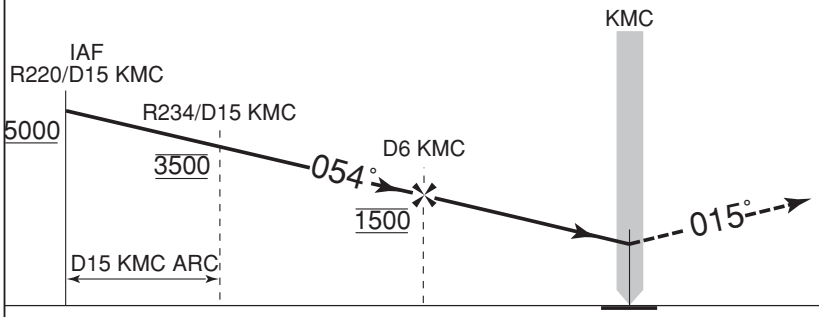
CHANGE : VAR, MSA, MINIMA

INSTRUMENT APPROACH CHART

RJNK / KOMATSU — TACAN NR.2

KOMATSU APP	KOMATSU VORTAC	KOMATSU TOWER	RADAR AVBL
121.25 – 261.2 – 120.1	112.0 KMC CH–57X *36°23′47″N/136°24′15″E*	118.25–304.8 126.2–236.8 121.7G–275.8G	CALL KOMATSU APP





MISSED APPROACH

At KMC TACAN, turn left, climb via KMC R015 to 10DME fix to 2000FT and hold. Contact KOMATSU APP.

MINIMA THR elev. 38 AD elev. 22

CAT			CIRCLING	
	MDA(H)	RVR/CMV	MDA(H)	VIS
A	720 (698)	1200	720 (698)	1600
B		1400		
C				2400
D		1800		3200

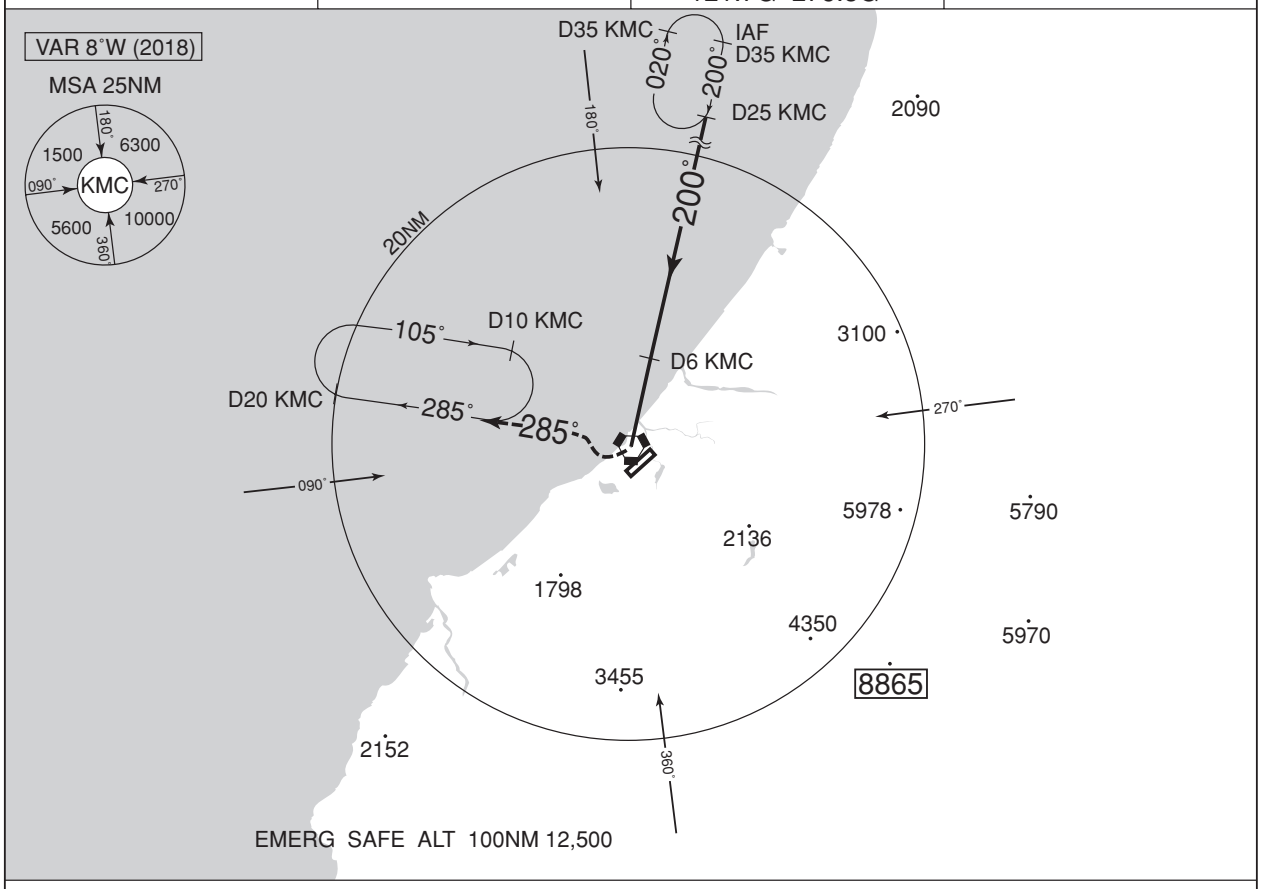
CHANGE : VAR, MSA

INSTRUMENT APPROACH CHART

RJNK / KOMATSU

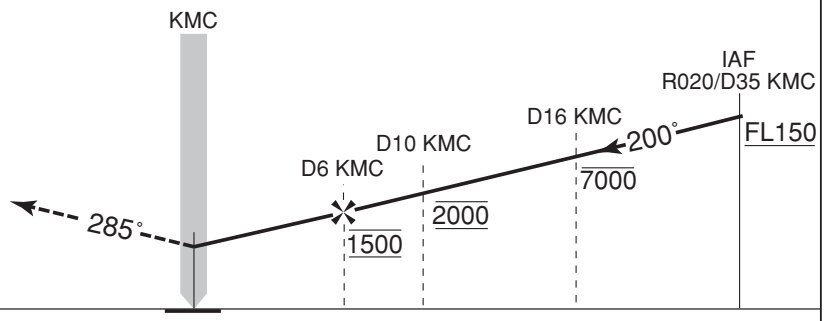
TACAN NR.3

KOMATSU APP	KOMATSU VORTAC	KOMATSU TOWER	RADAR AVBL
121.25 – 261.2 – 120.1	112.0 KMC CH–57X *36°23′47″N/136°24′15″E*	118.25–304.8 126.2–236.8 121.7G–275.8G	CALL KOMATSU APP



MISSED APPROACH

At KMC TACAN, turn right,
climb via KMC R285 to 20DME
fix to 3000FT and hold.
Contact KOMATSU APP.



MINIMA AD elev. 22

CAT	CIRCLING	
	MDA(H)	VIS
A	510 (488)	1600
B		
C		2400
D	580 (558)	3200

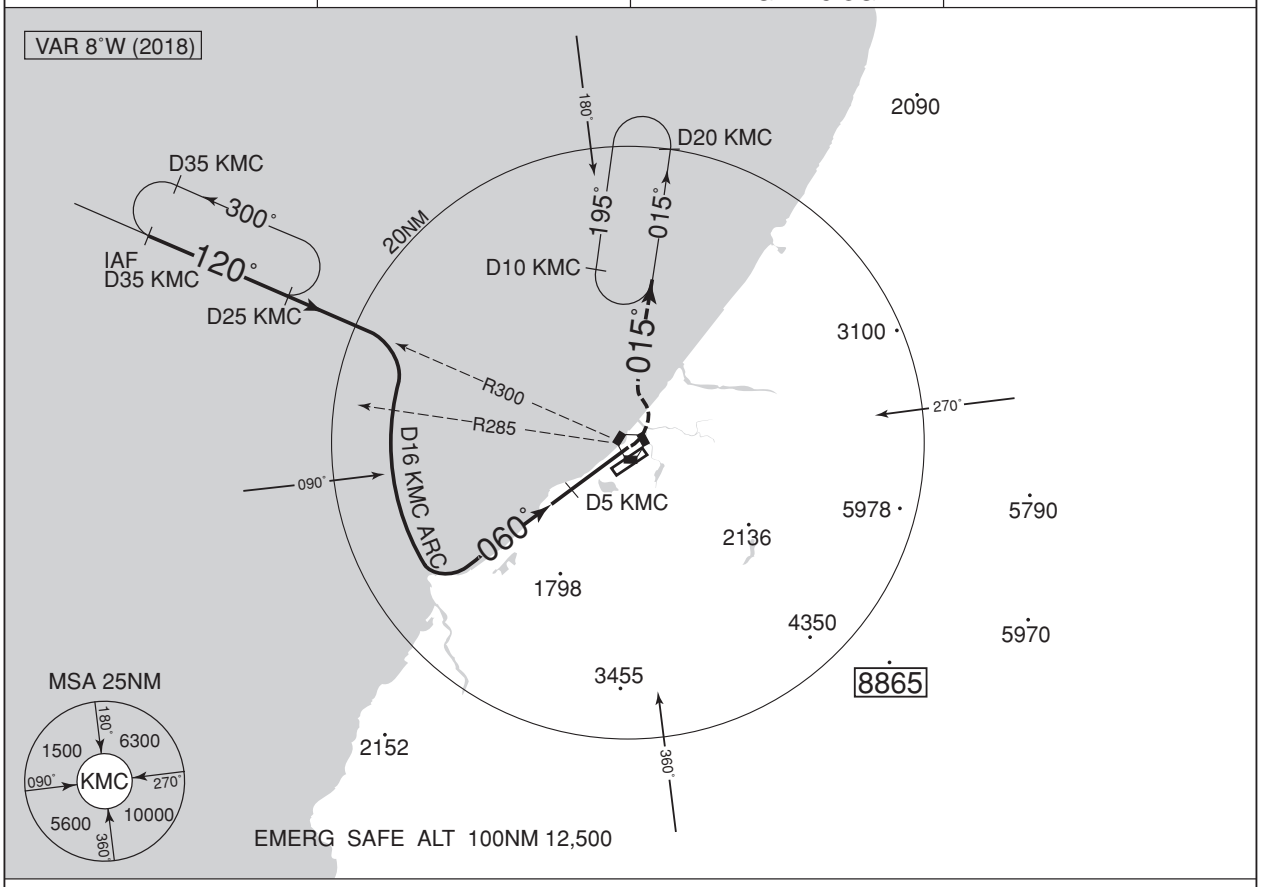
CHANGE : VAR, MSA, MINIMA

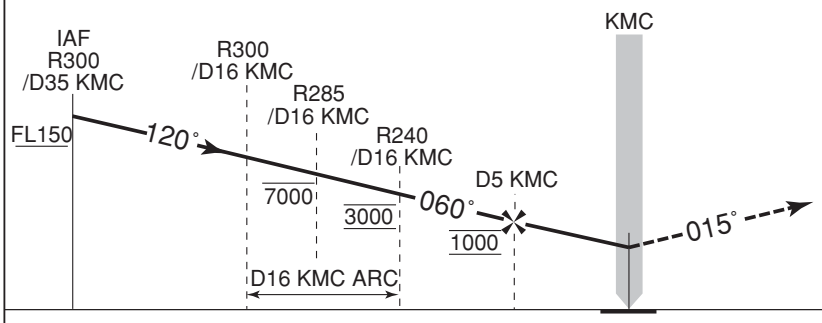
INSTRUMENT APPROACH CHART

RJNK / KOMATSU

TACAN NR.4

KOMATSU APP	KOMATSU VORTAC	KOMATSU TOWER	RADAR AVBL
121.25 – 261.2 – 120.1	112.0 KMC CH–57X *36°23′47″N/136°24′15″E*	118.25–304.8 126.2–236.8 121.7G–275.8G	CALL KOMATSU APP



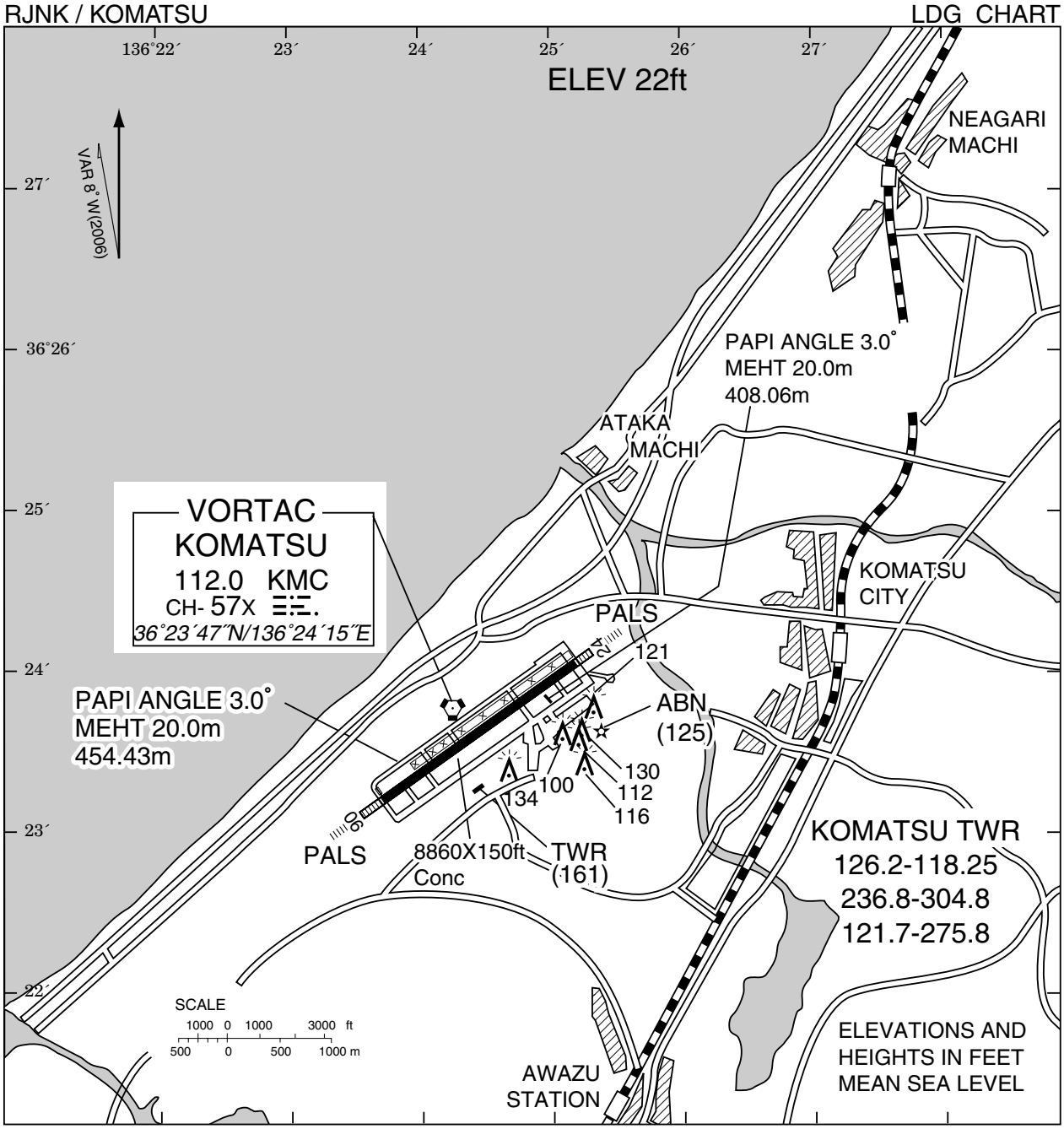


MISSED APPROACH
At KMC TACAN, turn left,
climb via KMC R015 to 20DME
fix to 3000FT and hold.
Contact KOMATSU APP.

MINIMA AD elev. 22

CAT	CIRCLING	
	MDA(H)	VIS
A	540 (518)	1600
B		
C		2400
D	580 (558)	3200

CHANGE : VAR, MSA



注： 小松飛行場の本滑走路の供用開始に伴い、着陸する航空機は、運用を廃止した仮設滑走路に誤認着陸しないように注意すること。

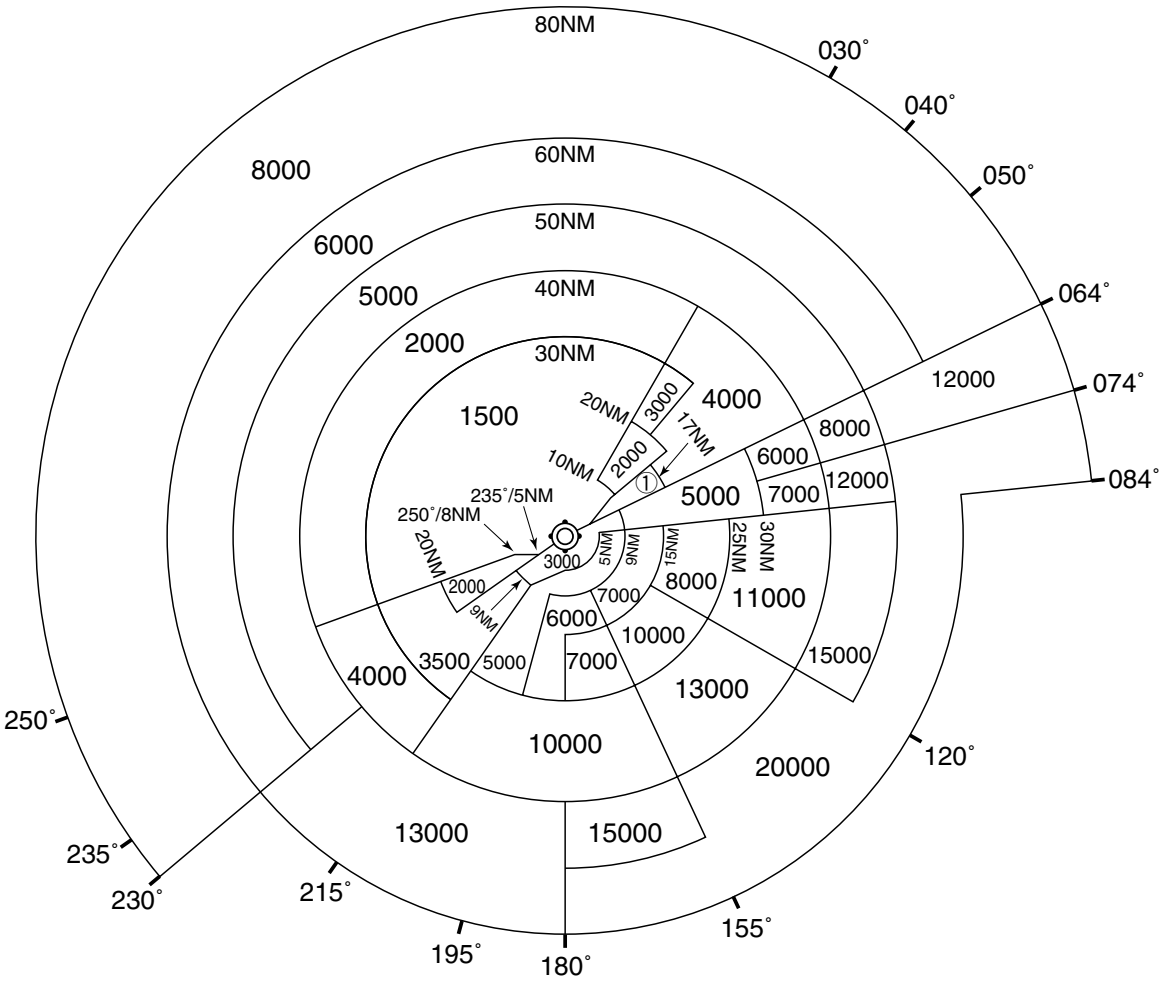
Note: With an in-service start of this runway of Komatsu aerodrome, warn a landing aircraft not to land at the out-service temporary runway.

備考：1．仮設滑走路には禁止標識が設置される（300m以内に1個標準）。
2．航空機の到着機がある場合は、気象状態にかかわらず着陸滑走路の進入灯が常時点灯される。
3．管制官からの着陸許可発出後に注意喚起のため、次の用語が通報される場合がある。
用語例：「VERIFY LANDING RUNWAY.」

Rem: 1．A closed marking is installed in a temporary runway (one less than 300m, standard).
2．When there is arrival aircrft, approach lights of a landing runway is always turned on regardless of a weather state.
3．There is the case that the next term is reported to for attention awakening after a landing permission from a ATC.
A term example :「VERIFY LANDING RUNWAY.」.

RJNK / KOMATSU Minimum Vectoring Altitude CHART

VAR 8˚W (2009)



CENTER：*362322N/1362441E* (RADAR SITE)