

STANDARD APPROACH CHART - INSTRUMENT

RJCC / NEW CHITOSE

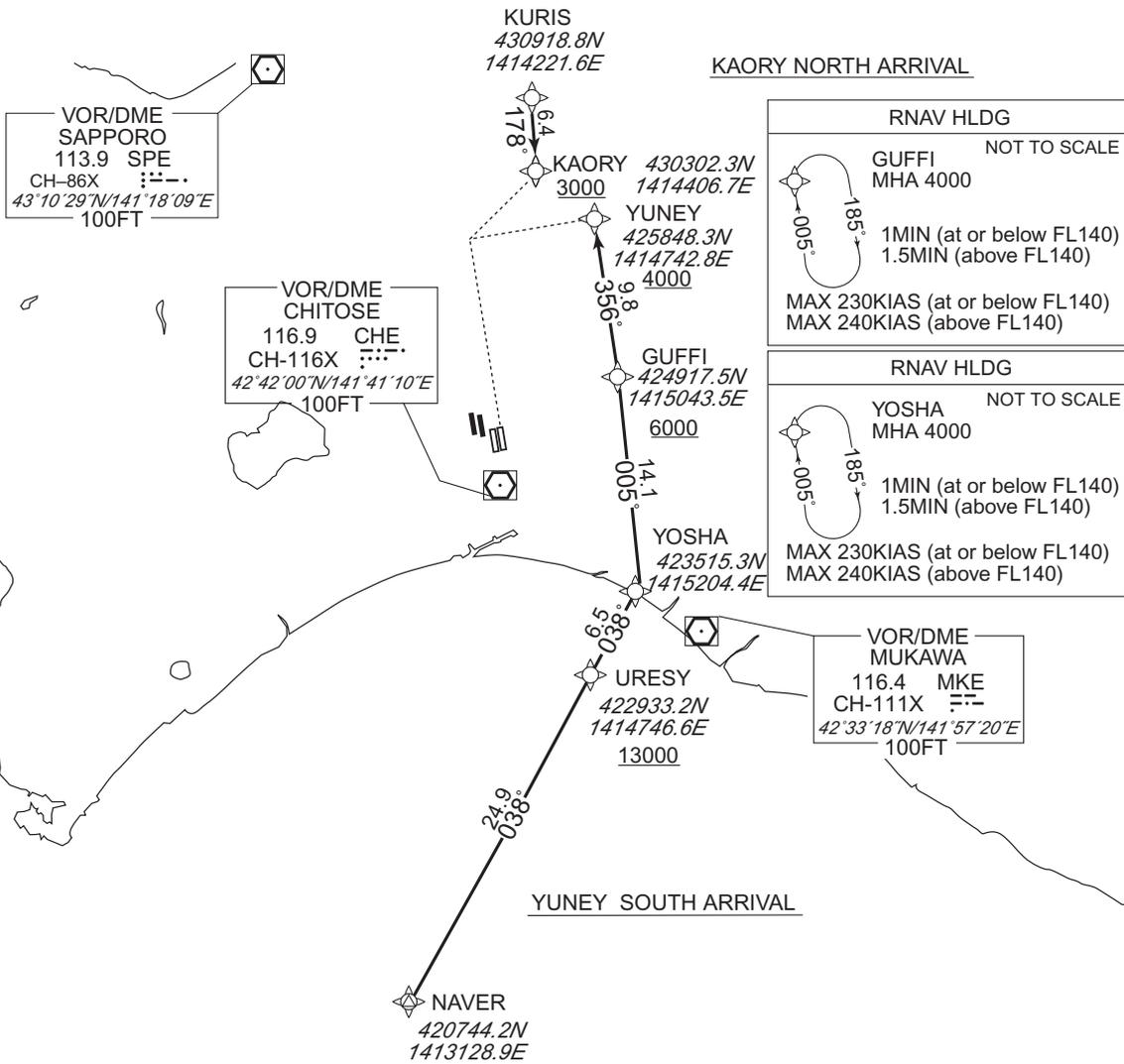
RNAV STAR RWY19L

YUNEY SOUTH ARRIVAL  
KAORY NORTH ARRIVAL

RNAV 1

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

VAR 9° W



CHANGE : Description of VAR and HLDG pattern.

STANDARD APPROACH CHART - INSTRUMENT

RJCC / NEW CHITOSE

RNAV STAR RWY19L

YUNEY SOUTH ARRIVAL

From NAVER, to URESY at or above 13000FT, to YOSHA, to GUFFI at or above 6000FT, to YUNEY at or above 4000FT.

Critical DME	CHE : 18.5NM to URESY - 15.5NM to URESY 10.0NM to GUFFI - GUFFI MKE : 18.5NM to URESY - 3.0NM to YOSHA 1.0NM to YOSHA - YOSHA
DME GAP	NAVER - 18.5NM to URESY 3.0NM to YOSHA - 1.0NM to YOSHA YOSHA - 10.0NM to GUFFI
Inappropriate Nav aids	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	NAVER	-	-	-9.3	-	-	-	-	-	RNAV1
002	TF	URESY	-	038 (028.8)	-9.3	24.9	-	+13000	-	-	RNAV1
003	TF	YOSHA	-	038 (029.0)	-9.3	6.5	-	-	-	-	RNAV1
004	TF	GUFFI	-	005 (356.0)	-9.3	14.1	-	+6000	-	-	RNAV1
005	TF	YUNEY	-	356 (346.9)	-9.3	9.8	-	+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	GUFFI	005 (356.0)	-9.3	1.0(-14000) 1.5(+14001)	R	4000	-	-230(-14000) -240(+14001)	RNAV1
Hold	YOSHA	005 (356.0)	-9.3	1.0(-14000) 1.5(+14001)	R	4000	-	-230(-14000) -240(+14001)	RNAV1

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RNAV STAR RWY19L

KAORY NORTH ARRIVAL

From KURIS, to KAORY at or above 3000FT.

Critical DME	SPE : KURIS - KAORY
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	KURIS	-	-	-9.3	-	-	-	-	-	RNAV1
002	TF	KAORY	-	178 (168.4)	-9.3	6.4	-	+3000	-	-	RNAV1

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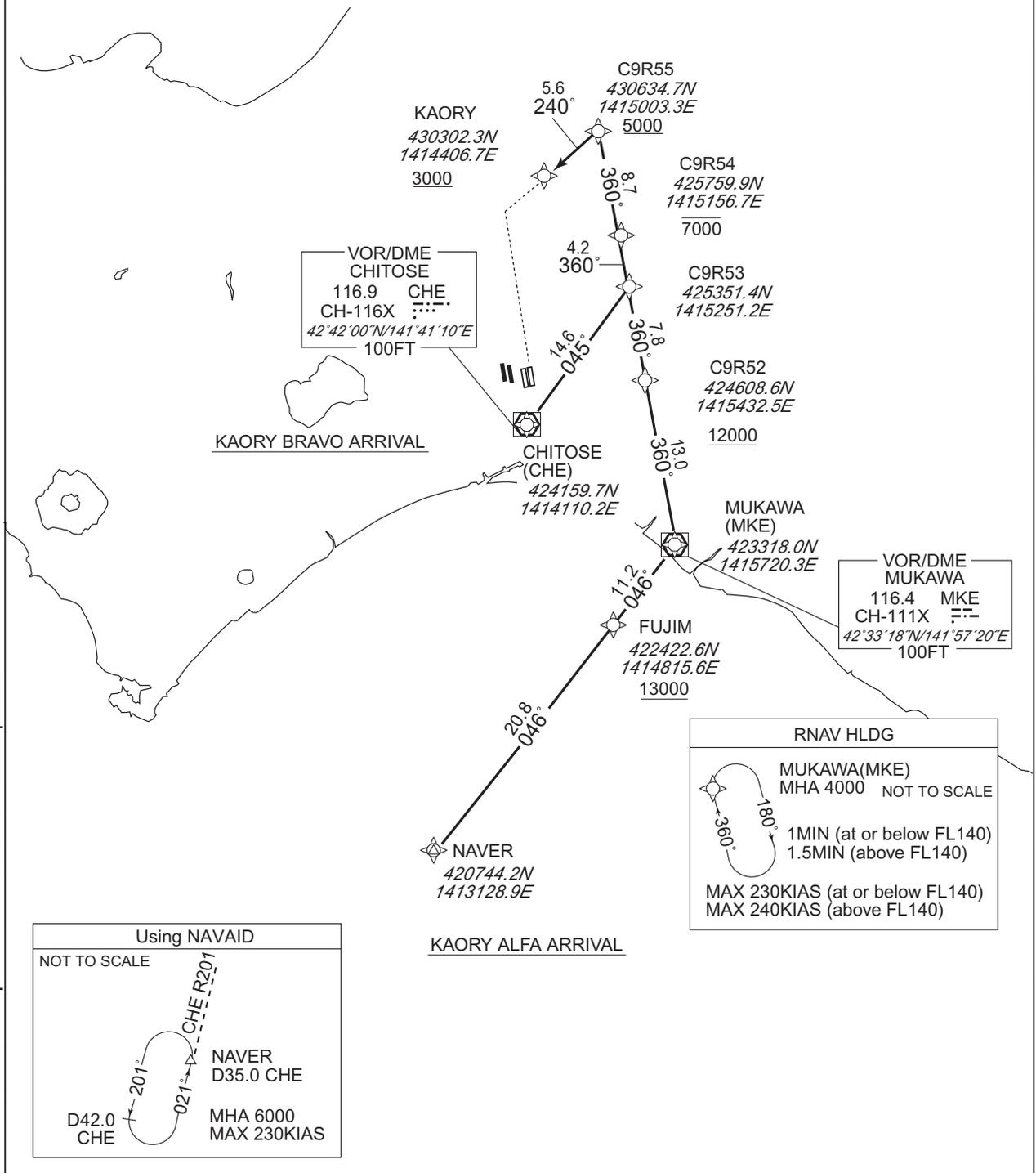
RJCC / NEW CHITOSE

RNAV STAR RWY19L

KAORY ALFA ARRIVAL KAORY BRAVO ARRIVAL	RNAV 1
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Note 1 ) DME/DME/IRU or GNSS required.  
 2 ) RADAR service required.

VAR 9° W



CHANGE : Description of VAR and HLDG pattern.

STANDARD APPROACH CHART - INSTRUMENT

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RNAV STAR RWY19L

KAORY ALFA ARRIVAL

From NAVER, to FUJIM at or above 13000FT, to MKE, to C9R52 at or above 12000FT, to C9R53, to C9R54 at or below 7000FT, to C9R55 at or above 5000FT, to KAORY at or above 3000FT.

Critical DME	SPE: C9R55 - KAORY MKE: 10.0NM to MKE - 3.0NM to MKE 10.0NM to C9R52 - 8.0NM to C9R52
DME GAP	3.0NM to MKE - 10.0NM to C9R52
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	NAVER	-	-	-9.3	-	-	-	-	-	RNAV1
002	TF	FUJIM	-	046 (036.6)	-9.3	20.8	-	+13000	-	-	RNAV1
003	TF	MKE	-	046 (036.8)	-9.3	11.2	-	-	-	-	RNAV1
004	TF	C9R52	-	360 (350.9)	-9.3	13.0	-	+12000	-	-	RNAV1
005	TF	C9R53	-	360 (350.9)	-9.3	7.8	-	-	-	-	RNAV1
006	TF	C9R54	-	360 (350.9)	-9.3	4.2	-	-7000	-	-	RNAV1
007	TF	C9R55	-	360 (350.9)	-9.3	8.7	-	+5000	-	-	RNAV1
008	TF	KAORY	-	240 (230.8)	-9.3	5.6	-	+3000	-	-	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	MKE	360 (350.9)	-9.3	1.0(-14000) 1.5(+14001)	R	4000	-	-230(-14000) -240(+14001)	RNAV1

CHANGE : Waypoint identifier(MKE).

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RJCC / NEW CHITOSE

RNAV STAR RWY19L

KAORY BRAVO ARRIVAL

From CHE, to C9R53, to C9R54 at or below 7000FT, to C9R55 at or above 5000FT, to KAORY at or above 3000FT.

Critical DME	SPE: C9R55 - KAORY
DME GAP	CHE - 11.0NM to C9R53
Inappropriate Nav aids	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	CHE	—	—	-9.3	—	—	—	—	—	RNAV1
002	TF	C9R53	—	045 (035.8)	-9.3	14.6	—	—	—	—	RNAV1
003	TF	C9R54	—	360 (350.9)	-9.3	4.2	—	-7000	—	—	RNAV1
004	TF	C9R55	—	360 (350.9)	-9.3	8.7	—	+5000	—	—	RNAV1
005	TF	KAORY	—	240 (230.8)	-9.3	5.6	—	+3000	—	—	RNAV1

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RNAV STAR RWY19L

NAVER ARRIVAL

RNAV 1

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

VAR 9° W

VOR/DME  
SAPPORO  
113.9 SPE  
CH-86X  
43°10'29"N/141°18'09"E  
100FT

VOR/DME  
CHITOSE  
116.9 CHE  
CH-116X  
42°42'00"N/141°41'10"E  
100FT

VOR/DME  
MUKAWA  
116.4 MKE  
CH-111X  
42°33'18"N/141°57'20"E  
100FT

KAORY  
430302.3N  
1414406.7E  
3000

YOHCK  
430010.8N  
1414716.6E

GUFFI  
424917.5N  
1415043.5E  
6000

YOSHA  
423515.3N  
1415204.4E

URESY  
422933.2N  
1414746.6E  
13000

NAVER  
420744.2N  
1413128.9E

RNAV HLDG  
NOT TO SCALE  
GUFFI  
MHA 4000  
185°  
005°  
1MIN (at or below FL140)  
1.5MIN (above FL140)  
MAX 230KIAS (at or below FL140)  
MAX 240KIAS (above FL140)

RNAV HLDG  
NOT TO SCALE  
YOSHA  
MHA 4000  
185°  
005°  
1MIN (at or below FL140)  
1.5MIN (above FL140)  
MAX 230KIAS (at or below FL140)  
MAX 240KIAS (above FL140)

Using NAVAID  
NOT TO SCALE  
D42.0 CHE  
201°  
021°  
CHE R201  
NAVER  
D35.0 CHE  
MHA 6000  
MAX 230KIAS

CHANGE : Description of VAR and HLDG pattern.

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RNAV STAR RWY19L

NAVER ARRIVAL

From NAVER, to URESY at or above 13000FT, to YOSHA, to GUFFI at or above 6000FT, to YOHCK, to KAORY at or above 3000FT.

Critical DME	CHE : 18.5NM to URESY - 15.5NM to URESY 10.0NM to GUFFI - GUFFI MKE : 18.5NM to URESY - 3.0NM to YOSHA 1.0NM to YOSHA - YOSHA SPE : YOHCK - KAORY
DME GAP	NAVER - 18.5NM to URESY 3.0NM to YOSHA - 1.0NM to YOSHA YOSHA - 10.0NM to GUFFI
Inappropriate Nav aids	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	NAVER	-	-	-9.3	-	-	-	-	-	RNAV1
002	TF	URESY	-	038 (028.8)	-9.3	24.9	-	+13000	-	-	RNAV1
003	TF	YOSHA	-	038 (029.0)	-9.3	6.5	-	-	-	-	RNAV1
004	TF	GUFFI	-	005 (356.0)	-9.3	14.1	-	+6000	-	-	RNAV1
005	TF	YOHCK	-	356 (346.9)	-9.3	11.2	-	-	-	-	RNAV1
006	TF	KAORY	-	330 (320.9)	-9.3	3.7	-	+3000	-	-	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	GUFFI	005 (356.0)	-9.3	1.0(-14000) 1.5(+14001)	R	4000	-	-230(-14000) -240(+14001)	RNAV1
Hold	YOSHA	005 (356.0)	-9.3	1.0(-14000) 1.5(+14001)	R	4000	-	-230(-14000) -240(+14001)	RNAV1

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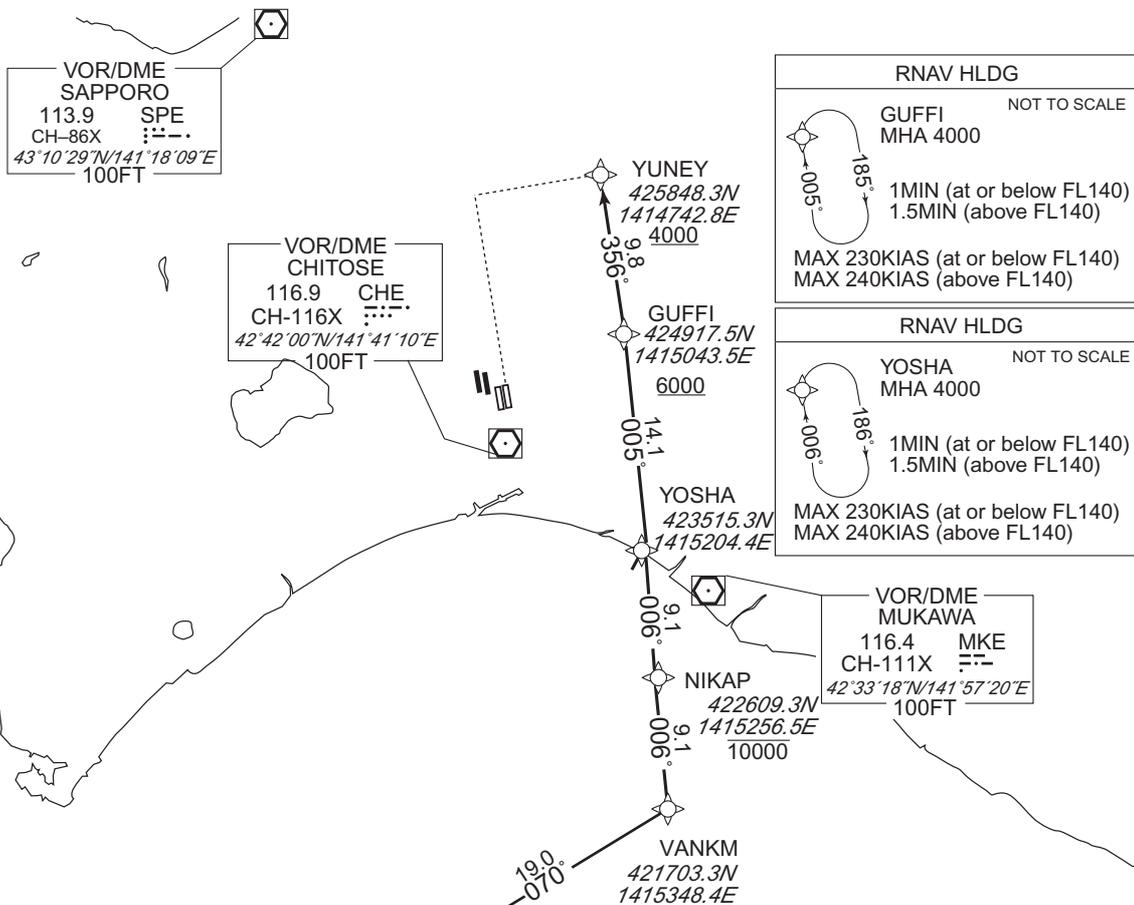
RNAV STAR RWY19L

YUNEE EAST ARRIVAL

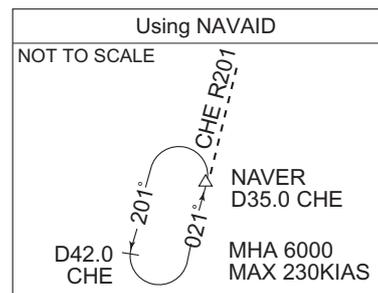
RNAV 1

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

VAR 10° W



CHANGE : Description of VAR and HLDG pattern.



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RNAV STAR RWY19L

YUNEY EAST ARRIVAL

From NAVER, to VANKM, to NIKAP at or below 10000FT, to YOSHA, to GUFFI at or above 6000FT, to YUNEY at or above 4000FT.

Critical DME	CHE : 10.0NM to GUFFI - GUFFI MKE : 7.0NM to VANKM - YOSHA
DME GAP	YOSHA - 10.0NM to GUFFI
Inappropriate Nav aids	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	NAVER	-	-	-9.5	-	-	-	-	-	RNAV1
002	TF	VANKM	-	070 (060.5)	-9.5	19.0	-	-	-	-	RNAV1
003	TF	NIKAP	-	006 (356.0)	-9.5	9.1	-	-10000	-	-	RNAV1
004	TF	YOSHA	-	006 (356.0)	-9.5	9.1	-	-	-	-	RNAV1
005	TF	GUFFI	-	005 (356.0)	-9.5	14.1	-	+6000	-	-	RNAV1
006	TF	YUNEY	-	356 (347.0)	-9.5	9.8	-	+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	GUFFI	005 (356.0)	-9.5	1.0(-14000) 1.5(+14001)	R	4000	-	-230(-14000) -240(+14001)	RNAV1
Hold	YOSHA	006 (356.0)	-9.5	1.0(-14000) 1.5(+14001)	R	4000	-	-230(-14000) -240(+14001)	RNAV1

CHANGE : Critical DME