

# RJCC / NEW CHITOSE

# **RNAV STAR RWY19R**

# NAGANUMA SOUTH ARRIVAL

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

Critical DME	CHE: 18.5NM to URESY - 15.5NM to URESY 10.0NM to GUFFI - GUFFI 1.0NM to NACKS - NACKS MKE: 18.5NM to URESY - 3.0NM to YOSHA 1.0NM to YOSHA - YOSHA SPE: YOHCK - NACKS
DME GAP	NAVER - 18.5NM to URESY 3.0NM to YOSHA - 1.0NM to YOSHA YOSHA - 10.0NM to GUFFI
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		Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	NAVER	_	_	-9.3	_	_	1	_	_	RNAV1
002	TF	URESY	_	038 (028.8)	-9.3	24.9	_	+13000	_	_	RNAV1
003	TF	YOSHA	_	038 (029.0)	-9.3	6.5	_	1	_	_	RNAV1
004	TF	GUFFI	-	005 (356.0)	-9.3	14.1	_	+6000	ı	_	RNAV1
005	TF	YOHCK	_	356 (346.9)	-9.3	11.2	_	1	-	_	RNAV1
006	TF	KAORY	-	330 (320.9)	-9.3	3.7	_	1	1	_	RNAV1
007	TF	NACKS	1	240 (230.9)	-9.3	4.8	_	+3000	_	_	RNAV1

Path	Waypoint Identifier	Inbound Course 'M('T)	Magnetic Variation	Lime	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)		4000	_	-230(-14000) -240(+14001)	RNAV1

# NAGANUMA NORTH ARRIVAL

From KURIS, to NACKS at or above 3000FT.

Critical DME	CHE: 1.0NM to NACKS - NACKS SPE: KURIS - NACKS
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		Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	
001	IF	KURIS	_	_	-9.3	_	_	_	_	_	RNAV1
002	TF	NACKS	_	204 (194.7)	-9.3	9.6	_	+3000	_	_	RNAV1

#### RJCC / NEW CHITOSE **RNAV STAR RWY19R** NACKS ALFA ARRIVAL RNAV 1 NACKS BRAVO ARRIVAL Note 1) DME/DME/IRU or GNSS required. 2) RADAR service required. VAR 9° W(2016) C9R55 430634.7N 1415003.3E 5000 **NACKS** C9R54 430000.7N 1413902.5E 425759.9N 1415156.7E 3000 7000 4.2 360 VOR/DME CHITOSE C9R53 116.9 CHE CH-116X :···· 425351.4N 1415251.2E 42°42′00″N/141°41′10″E 100FT 11 🔟 C9R52 424608.6N 1415432.5E 12000 NACKS BRAVO ARRIVAL **CHITOSE** (CHE) 424159.7N 1414110.2E MUKAWA (MKE) 423318.0N 1415720.3E 0 VOR/DME MUKAWA 116.4 MKE CH-111X === **FUJIM** 422422.6N 42°33′18″N/1<u>41</u>°57′20″E 1414815.6E 100FT 13000 RNAV1 (GNSS required) MUKAWA(MKE) MHA 4000 8 1MIN (at or below FL140) NAVER 1.5MIN (above FL140) 420744.2N MAX 230KIAS (at or below FL140) MAX 240KIAS (above FL140) 1413128.9E NACKS ALFA ARRIVAL NAVER D35.0 CHE 20. MHA 6000 MAX 230KIAS D42.0 CHE

# RJCC / NEW CHITOSE

### **RNAV STAR RWY19R**

# NACKS 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 NACKS at or above 3000FT.

Critical DME	SPE: C9R55 - NACKS 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	ı	+12000	1	_	RNAV1
005	TF	C9R53	_	360 (350.9)	-9.3	7.8	-	ı	-	_	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	NACKS	_	240 (230.8)	-9.3	10.4	_	+3000	_	_	RNAV1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Lime	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	MUKAWA (MKE)	360 (350.9)	-9.3	1.0(-14000) 1.5(+14001)		4000	_	-230(-14000) -240(+14001)	RNAV1

# RJCC / NEW CHITOSE

# RNAV STAR RWY19R

# NACKS BRAVO ARRIVAL

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

Critical DME	SPE : C9R55 - NACKS
DME GAP	CHE - 11.0NM to C9R53
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		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	NACKS	_	240 (230.8)	-9.3	10.4	_	+3000	-	_	RNAV1