U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB/DME STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TKK NDB/DME	DAMAY/TKK 10.00 DME	306.14 / 9.98	2000
DAMAY/TKK 10.00 DME CCW (IAF)	ZIVOR/TKK 10.00 DME	10.00 DME ARC	2000
ZIVOR/TKK 10.00 DME (IF)	HIRUP/TKK 8.00 DME	054.41 / 2.00 (TKK BRG-234)	1500
HIRUP/TKK 8.00 DME	ELKUC/TKK 4.00 DME	054.41 / 4.00 (TKK BRG-234)	800

MISSED APPROACH

MAP: WIMUG/TKK 2.50 DME

CLIMBING LEFT TURN TO 2000 ON TKK BRG-306 TO DAMAY/TKK 10.00 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 126.14 INBOUND.
FAS OBST: 409 TREE 072616N/1515052E
CHART TKK BRG-306 AT DAMAY.
CHART AT OR ABOVE 3300 AT TKK NDB/DME.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ZIVOR/TKK 10.00 DME
3. FAC 054.41 FAF ELKUC/TKK 4.00 DME DIST FAF TO MAP 1.50 THLD 3.66
4. MIN. ALT ZIVOR/TKK 10.00 DME 2000, HIRUP/TKK 8.00 DME 1500, ELKUC/TKK 4.00 DME 800
8. MSA FROM: TKK NDB/DME 2700

MAG VAR: 5E EPOCH YEAR:1990

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-4	720	2 1/2	710	720	2 1/2	710	720	2 1/2	710	720	2 1/2	710			
CIRCLING	720	2 1/2	710	720	2 1/2	710	720	2 1/2	710	720	2 1/2	710			

NOTES:

CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, PROCEDURE NA.
CHART NOTE: CIRCLING NA SE OF RWY 04-32.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: SIMULTANEOUS RECEPTION OF TKK NDB AND TKK DME REQUIRED.

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 10 THRE: 10	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
WENO ISLAND	AIRPORT NAME: CHUUK INTL	TKK	NDB/DME RWY 4, AMDT 1	AMDT ORIG-A
				DATE 07/25/1991

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO	SEE CHANGES	ROUTINE

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[X]	[ ]	[ ]	[X] HONOLULU FLIGHT CONTROL CENTER, AIR MICRONESIA, ARPT MGR

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: ADOLFO URRUTIA (RALPH DUMAR)	FIFO AJV-354	DATE: 11/21/2011
APPROVED BY		
NAME: DEZ SILAGYI MANAGER	FIFO AJV-354	DATE:

CHANGES:

1 NDB AND DME COORDINATES UPDATED: DME: 072731.22N / 1515031.62E, NDB: 072732.24N / 1515030.56E, NOS AOC SURVEY, AND MILITARY SURVEYS.
2 DELETED FLY VISUAL REQUIREMENT AND ASSOCIATED NOTES.
3 CHANGED FAC FROM 069 TO 054, AND TKK NDB BEARING FROM 249 TO 234.
4 ADDED MAP FIX NAME WIMUG AND MOVED TO NEW FAC AT 2.50 DME. CHANGED MAP TO RWY 04 THLD DISTANCE FROM 2.8 TO 2.16 NM.
5 ADDED FAF FIX NAME ELKUC AND MOVED TO NEW FAC AT 4 DME. CHANGED FAF TO MAP DISTANCE FROM 1 TO 1.5 NM. RAISED FAF ALTITUDE FROM 700 TO 800.
6 ADDED INTERMEDIATE SDF HIRUP AT 8.00 DME, CROSSING AT OR ABOVE 1500.
7 ADDED IF FIX NAME ZIVOR AND MOVED TO NEW FAC AT 10.00 DME. CHANGED IF TO FAF DISTANCE FROM 5 NM TO 2 NM IF TO SDF AND 4 NM SDF TO FAF.
8 CHANGED IAF DAMAY FROM 9 DME TO 10.00 DME.
9 LOWERED IAF DAMAY, TKK 10.00 DME ARC, AND IF ZIVOR ALTITUDE FROM 2100 TO 2000.
10 CHANGED FEEDER ROUTE FROM BEARING 308 TO 306, ALTITUDE 2100 TO 2000, AND DISTANCE FROM 9 TO 10 NM.
11 ADDED ALTITUDE RESTRICTION 3300 AT TKK NDB/DME.
12 CHANGED MISSED APPROACH INSTRUCTIONS TO READ "CLIMBING LEFT TURN TO 2000 ON TKK BRG-306 TO DAMAY/TKK 10.00 DME AND HOLD".
13 CHANGED HOLD PATTERN DIRECTIONS FROM 128 TO 126 AND FROM 308 TO 306.
14 ADDED NOTE: SIMULTANEOUS RECEPTION OF TKK NDB AND TKK DME REQUIRED.
SEE 8260-10

REASONS:

1 FACILITIES RELOCATED.
2 NOT ALLOWED PER UPDATED CRITERIA.
3 PER CRITERIA AND TO AVOID RAPIDLY RISING TERRAIN SOUTH OF AIRPORT.
4 PER CRITERIA, AND TO GAIN LOWER VISIBILITY REQUIREMENT.
5 PER CRITERIA. FAF ALTITUDE RAISED DUE TO MDA INCREASE.
6 PER CRITERIA, TO MITIGATE 991 FT AAO.
7, 14, 18 PER CRITERIA.
8 ALIGNS WITH IF ZIVOR; ENSURES 90 DEGREE TURN TO FINAL.
9 OBSTACLE HEIGHT REASSESSMENT.
10, 12, 13 TO ALIGN WITH RELOCATED TKK NDB/DME AND IAF DAMAY.
11 TO AVOID 1235 FT OBSTACLE , 1.34 NM SOUTHEAST. 2000 FT ROC APPLIED.
15 NO BACK UP ALTIMETER SOURCES AVAILABLE.
16 20:1 PENETRATIONS FOR RWY 4 AND 22.
17 DUE TO HIGH TERRAIN SOUTHEAST OF AIRPORT.
SEE 8260-10

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.27

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

CITY AND STATE	ELEVATION: 10 THRE: 10	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
WENO ISLAND	AIRPORT NAME: CHUUK INTL	TKK	NDB/DME RWY 4, AMDT 1	AMDT: ORIG-A
				DATED: 07/25/1991

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
☐	☐	☐	☐	☐	☐	☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

CHANGES CONT.
15 ADDED NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, PROCEDURE NA. 16 ADDED NOTE: PROCEDURE NA AT NIGHT. 17 ADDED NOTE: CIRCLING NA SE OF RWY 04-32. 18 REPLACED TDZE 11 WITH THRE 10. 19 RAISED MSA ALTITUDE FROM 2500 TO 2700. 20 RAISED S-4 AND CIRCLING CAT A MDA FROM 460 TO 720, CAT B-C MDA FROM 480 TO 720, AND CAT D MDA FROM 580 TO 720. 21 CHANGED S-4 AND CIRCLING CAT A HAT/HAA FROM 449 TO 710, CAT B-C HAT/HAA FROM 469 TO 710, AND CAT D HAT/HAA FROM 569 TO 710. 22 CHANGED S-4 AND CIRCLING VISIBILITY FROM 3 TO 2 1/2.

REASONS:

REASONS CONT.
19 ADDITION OF 200 FT AAO TO HIGHEST TERRAIN.
20-21 DUE TO TERRAIN SOUTH OF AIRPORT. 15 FT VEGETATION USED PER FPT.
22 MAP MOVED CLOSER TO RWY THLD, AND RUNWAY MARKINGS FACTORED INTO EVALUATION.

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FEEDER	TKK NDB/DME	DAMAY/TKK 10.00	1. SHIP	073616.00N/1514355.00E	150 (2C)	1000	AT850	2000
		DME					*	
INITIAL: ARC	DAMAY/TKK 10.00	ZIVOR/TKK 10.00	2. AAO	072309.00N/1514240.75E	991 (2C)	1000		2000
	DME CCW	DME					*	
INTERMEDIATE	ZIVOR/TKK 10.00	HIRUP/TKK 8.00	2. AAO	072309.00N/1514240.75E	991 (2C)	500		1500
	DME	DME					*	
INTERMEDIATE:	HIRUP/TKK 8.00	ELKUC/TKK 4.00	3. SHIP	072509.00N/1514436.00E	150 (2C)	500	DG150	800
STEPDOWN	DME	DME					*	
FINAL	ELKUC/TKK 4.00	WIMUG/TKK 2.50	4. TREE	072615.88N/1515052.49E	409 (2C)	300		720
	DME	DME						
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	WIMUG/TKK 2.50	DAMAY/TKK 10.00				ASC		2000
	DME	DME	5. TREE	072725.01N/1515052.49E	508 (2C)	1000		1600
ELEV:	420						*	

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL							
CATEGORY A	1.3 NM	350	710	6. SHIP	072824.00N/1515001.00E	150 (2C)	300	SI	720
CATEGORY B	1.5 NM	450	710	6. SHIP	072824.00N/1515001.00E	150 (2C)	300	SI	720
CATEGORY C	1.7 NM	450	710	6. SHIP	072824.00N/1515001.00E	150 (2C)	300	SI	720
CATEGORY D	2.3 NM	550	710	6. SHIP	072824.00N/1515001.00E	150 (2C)	300	SI	720
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: TKK NDB/DME

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	AAO	237/ 14.8	1663 (6A)	2700					

QUALITY CHECKED

CITY AND STATE	ELEVATION: 10 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
WENO ISLAND	CHUUK INTL	TKK	NDB/DME RWY 4, AMDT 1	APC

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
HCF ARTCC TRUK CTAF HNL FSS	N W S	OTHER: RDO #	SOURCE: PTKK
	F A A		DISTANCE:
SATISFACTORY ON:	A / C		HOURS REMOTE OPERATION: 24
X V H F X U H F H F	LOCATION: PTKK		ADJUSTMENT: 0

4. MONITOR STATUS	PRIMARY NAVAID: TKK NDB	
	MONITOR POINT: GUAM CERAP	
	HRS OPTN: CAT 1	24
	CAT 3	
5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
		MALS
		HIRL
	X	MIRL 22 (PCL), 04 (PCL)
	X	REIL 22 (PCL), 04 (PCL)
		TDZ
		C/LINE
	X	OTHER (SPECIFY) PAPI-4L 22 (PCL), 04 (PCL)
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT NPI-P 04, 22	
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:
9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD FT. FROM THRESHOLD
	X	ON CENTERLINE FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: ADOLFO URRUTIA (RALPH DUMAR)	DATE: 11/21/2011
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-354

PART C - REMARKS:

* NO ADDITIONAL AIRSPACE REQUIRED. TRANSITIONAL AIRSPACE AREA. UNCONTROLLED AIRSPACE BELOW 5500.

VDP NOT ESTABLISHED - VDP IS AFTER MAP, 20:1 PENETRATIONS.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

TERPS, VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS:
20:1 (RWY 22)
12 RIPRAP (PTKK0040) 072806.09N-1515056.93E (1.07)
CIRCLING TO RWY 22 NA AT NIGHT.

20:1 (RWY 4)
17 BUSH (PTKK0010) 072721.20N-1515011.24E (5.73)
13 RIPRAP (PTKK0007) 072719.38N-1515013.01E (1.77)
PROCEDURE NA AT NIGHT.

VGSI DATA: 3.00/50
DESCENT ANGLE: 1.91/50

VEGETATION HEIGHT USED = 15 FT (FPT)

SHIP HEIGHT USED = 150 FT (FPT)

B/U ALTIMETER NOT USED DUE TO LACK OF USEABLE FACILITIES IN THE AREA.

ALTITUDE RESTRICTION 3300 OVER TKK NDB/DME REQUIRED TO AVOID PTKK0001, TREE, 1235 FT, 1.34 NM SE. 2000 FT ROC APPLIED.

DTED NOT AVAILABLE. ALL TERRAIN MANUALLY EVALUATED ON 1:25K TOPO MAP.

FPT NOTIFIED OF 20:1/34:1 PENETRATIONS 11/18/2011.

RUNWAY MARKINGS PER NASR AND NFDC. FPT NOTIFIED 12/14/2011.

PART B BLK 2: WEATHER OBSERVER ON SIGHT, AVAILABLE VIA TRUK RADIO 123.6.

QUALITY CHECKED 5

RADIO FIX AND HOLDING DATA RECORD

NAME: DAMAY **STATE:** **COUNTRY:** FM

LATITUDE/LONGITUDE: 073407.83N/1514256.68E **TYPE:** DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	TRUK	TKK	NDB/DME		306.14	311.14	10.00	9.98		2000	8000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW	TKK	NDB/DME	306.14	126.14	R	1		2000	8000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	SHIP	073616.00N/1514355.00E	150	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
NO CONTROLLED AIRSPACE BELOW 5500.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	NDB/DME RWY 4	1	1	PTKK	WENO ISLAND	(FM)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 04/05/2012

REASON FOR REVISION:
DELETED INT FROM FIX TYPE TO SHOW AS A DME ONLY FIX.
MOVED FIX .95 NM (TKK 10.02 DME) NORTHWEST TO MATCH IF FIX DISTANCE.
CHANGED MAG BRG FROM 308.00 TO 306.14 AND TRUE BRG FROM 313.00 TO 311.14.
CHANGED DME DISTANCE FROM 9 TO 10.02; ADDED DISTANCE FROM FAC: 10.02.
INCREASED MRA FROM 600 TO 2000.
CHANGED HOLDING PATTERN BRG FROM 308.00 TO 306.14 AND CRS INBOUND FROM 128.00 TO 126.14.
INCREASED MIN HOLDING ALT FROM 1900 TO 2000.
CORRECTED MAX TEMPLATE FROM 8 TO 6 TO MATCH AIRSPEED CORRECTION.
CORRECTED AIRSPEED FROM 230 TO 200.
CHANGED CONTROLLING OBSTACLE FROM TERRAIN 118 FT TO SHIP 150 FT.
ADDED HOLDING PATTERN RESTRICTION NOTE.
ADDED PRECIPITOUS TERRAIN NOTE.
REFORMATTED FIX USE.

DEVELOPED BY: **DATE:** 11/10/2011 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (RALPH DUMAR)

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZHN
ATC FACILITY: HONOLULU CONTROL FACILITY CENTER (HCF)
OTHER:

QUALITY 5 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ELKUC **STATE:** **COUNTRY:** FM

LATITUDE/LONGITUDE: 072529.71N/1514702.94E **TYPE:** DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	TRUK	TKK	NDB/DME		234.41	239.41	4.00	3.99	24265	800	2500

REMARKS:
NO CONTROLLED AIRSPACE BELOW 5500.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	NDB/DME RWY 4	1		PTKK	WENO ISLAND	(FM)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 04/05/2012

DEVELOPED BY: **DATE:** 11/10/2011 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (RALPH DUMAR)

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZHN
ATC FACILITY: HONOLULU CONTROL FACILITY CENTER (HCF)
OTHER:

QUALITY 5 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HIRUP **STATE:** **COUNTRY:** FM

LATITUDE/LONGITUDE: 072326.95N/1514335.01E **TYPE:** DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	TRUK	TKK	NDB/DME		234.41	239.41	8.00	7.99		1500	2500

REMARKS:
NO CONTROLLED AIRSPACE BELOW 5500.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	NDB/DME RWY 4	1		PTKK	WENO ISLAND	(FM)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 04/05/2012

DEVELOPED BY: **DATE:** 11/10/2011 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (RALPH DUMAR)

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZHN
ATC FACILITY: HONOLULU CONTROL FACILITY CENTER (HCF)
OTHER:

QUALITY 5 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TRUK NDB **STATE:** **COUNTRY:** FM

LATITUDE/LONGITUDE: 072732.24N/1515030.56E **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	TRUK	TKK	NDB	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W	TKK	NDB/DME	275.00	095.00	R	1-1 1/2		2500	30000	4	22
2	NE	TKK	NDB/DME	034.00	214.00	R	1-1 1/2		2500	30000	4	22

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TREE (PTKK0001)	072620.43N/1515107.55E	1235	1A
2	200	TREE (PTKK0001)	072620.43N/1515107.55E	1235	1A

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
NO CONTROLLED AIRSPACE BELOW 5500'.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
NDB DME COORDINATES 072731.22N/1515031.62E.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	R-584	1				(FM)
IAP	NDB OR GPS-A	1	1	PTKK	WENO ISLAND	(FM)
IAP	NDB OR GPS-B	1	2	PTKK	WENO ISLAND	(FM)
IAP	NDB/DME RWY 4	1		PTKK	WENO ISLAND	(FM)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 04/05/2012

REASON FOR REVISION:
UPDATED FACILITY COORDINATES: TKK NDB/DME MOVED 821 FT. NORTHEAST.
CHANGED PAT 1 RAD/CRS/BRG FROM 265.00 TO 275.00 AND CRS INBOUND FROM 085.00 TO 095.00.
DELETED DME LEG LENGTH; NOT USED IN EITHER PATTERN.
ADDED MIN TEMPLATE 4 TO PAT 2.
CORRECTED MAX TEMPLATE FROM 19 TO 22, APPROPRIATE FOR MAX ALT.
CORRECTED AIRSPEED FROM 230 TO 200.
CHANGED PAT 1 CONTROLLING OBSTACLE FROM TERRAIN, 1224 FT TO PTKK0001, TREE, 1235 FT, AC 1A.
ADDED PAT 2 CONTROLLING OBSTACLE: SAME AS PAT 1.
CORRECTED EN ROUTE FIX USE FROM R-84 TO R-584.
UPDATED FIX USE FOR PTKK NDB-A, NDB-B, AND NDB/DME RWY 4. DELETED NDB/DME RWY 22.

DEVELOPED BY: **DATE:** 11/10/2011 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (RALPH DUMAR)

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZHN
ATC FACILITY: HONOLULU CONTROL FACILITY CENTER
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: WIMUG **STATE:** **COUNTRY:** FM

LATITUDE/LONGITUDE: 072615.74N/1514820.92E **TYPE:** DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	TRUK	TKK	NDB/DME		234.41	239.41	2.50	2.49		620	2500

REMARKS:
NO CONTROLLED AIRSPACE BELOW 5500.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	NDB/DME RWY 4	1		PTKK	WENO ISLAND	(FM)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 04/05/2012

DEVELOPED BY: **DATE:** 11/10/2011 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (RALPH DUMAR)

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZHN
ATC FACILITY: HONOLULU CONTROL FACILITY CENTER (HCF)
OTHER:

QUALITY CHECKED 5

RADIO FIX AND HOLDING DATA RECORD

NAME: ZIVOR **STATE:** **COUNTRY:** FM

LATITUDE/LONGITUDE: 072225.57N/1514151.06E **TYPE:** DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	TRUK	TKK	NDB/DME		234.41	239.41	10.00	9.99		2000	2500

REMARKS:
NO CONTROLLED AIRSPACE BELOW 5500.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	NDB/DME RWY 4	1		PTKK	WENO ISLAND	(FM)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 04/05/2012

DEVELOPED BY: **DATE:** 11/10/2011 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (RALPH DUMAR)

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZHN
ATC FACILITY: HONOLULU CONTROL FACILITY CENTER (HCF)
OTHER:

QUALITY 5 CHECKED