

**FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
 TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT ID</u> S33	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 34	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> MADRAS	<u>STATE</u> OR		
<u>AIRPORT ELEVATION</u> 2438	<u>TDZE</u> 2438	<u>SUPERSEDED</u> RNAV (GPS) RWY 34	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 03/24/2022	<u>MAG VAR</u> 16E	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 15 JUNE 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
MLLRR	IAF	YUDUB		TF	FB	1.00	046.45	6.40	5800
YUDUB	IF	WUREX		TF	FB	1.00	344.03	3.70	5600
WUREX		CUYAD		TF	FB	1.00	344.01	2.24	4900
CUYAD	FAF	JUVET/4.50 NM TO RW34		TF	FB	0.30	344.02	3.08	
JUVET/4.50 NM TO RW34		RW34	MAP	TF	FO	0.30	344.02	4.50	
RW34	MAP	2688 MSL		CA			344.02		
2688 MSL		TUDTO		DF	FB	1.00			
TUDTO		GASHE		TF	FO	1.00	336.83	17.07	7000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW34

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 7000 DIRECT TUDTO AND ON TRACK 336.83 TO GASHE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 7000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



CHANGES - REASONS

- IAF CHANGED FROM DSD VORTAC TO MLLRR, LEG DISTANCE CHANGED FROM 13.56 NM TO 6.40 NM, AND COURSE FROM 012.41 TO 046.45 - PER ATC, MOVING THE IAF FROM DSD VORTAC TO MLLRR WILL HELP REDUCE LOCAL AIR TRAFFIC CONGESTION.
- YUDUB TO WUREX CHANGED FROM 344.01 TO 344.03, DISTANCE FROM 3.00 NM TO 3.70 NM, AND ALTITUDE FROM 5400 FT TO 5600 FT - YUDUB AND WUREX MOVED TO MEET LEG LENGTH REQUIREMENTS; ALTITUDE INCREASED FOR AIRSPACE SEGMENT REQUIREMENTS.
- WUREX TO CUYAD DISTANCE CHANGED FROM 3.20 NM TO 2.24 NM AND ALTITUDE FROM 4500 FT TO 4900 FT - WUREX AND CUYAD MOVED TO MEET LEG LENGTH REQUIREMENTS, ATC REQUESTED FAF ALTITUDE INCREASE.
- CUYAD TO JUVET/4.50 NM COURSE CHANGED FROM 344.01 TO 344.02 AND DISTANCE FROM 1.82 NM TO 3.08 NM - CUYAD MOVED 1.26 NM SOUTH PER AIR TRAFFIC REQUEST.
- JUVET/4.50 NM TO MAP COURSE CHANGED FROM 344.01 TO 344.02 - CURRENT ALIGNMENT TO RUNWAY COURSE.
- LINE 3 FAC CHANGED FROM 344.01 TO 344.02, DIST FAF TO MAP CHANGED FROM 6.32 NM TO 7.57 NM, AND DIST FAF TO THLD CHANGED FROM 6.32 NM TO 7.57 NM - FAC ALIGNED TO RUNWAY, CUYAD MOVED 1.26 NM SOUTH.
- LINE 4 MIN ALTITUDE AT WUREX CHANGED FROM 5400 FT TO 5600 FT, CUYAD ALTITUDE FROM 4500 FT TO 4900 FT - WUREX CHANGED DUE TO AIRSPACE REQUIREMENT, CUYAD CHANGED PER ATC REQUEST.
- LINE 5 CHANGED FROM "250 HAT: 0.62" TO "250 HAT: 0.63" - TCH CHANGED FROM 52.0 TO 50.3.
- LINE 6 MIN GP INCPT CHANGED FROM 4500 FT TO 4900 FT - ATC REQUEST ALTITUDE INCREASE.
- LINE 7 TCH CHANGED FROM 52.0 TO 50.3 - VGSI ALIGN.
- CHANGED CHART NOTE "CIRCLING TO RWY 22 NA AT NIGHT" TO "CIRCLING RWY 22 NA AT NIGHT" - 8260.19I 8-6-11 (O).
- CHANGED CHART NOTE "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE REDMOND ALTIMETER SETTING AND INCREASE LPV DA TO 2832 FEET AND ALL VISIBILITIES 3/8 SM. INCREASE LNAV/VNAV DA TO 2846 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE ALL MDAS 160 FEET AND LNAV AND CIRCLING VISIBILITY CAT C 3/8 SM" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE REDMOND ALTIMETER SETTING AND INCREASE LPV DA TO 2832 FEET AND ALL VISIBILITIES 3/8 SM. INCREASE LNAV/VNAV DA TO 2846 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE ALL MDAS 160 FEET AND LNAV VISIBILITY CAT C 3/8 SM, AND CIRCLING VISIBILITY CAT C 5/8 SM - 8260.19I 8-6-11 AND 8260.3E VISIBILITY TABLES.
- CHANGED CHART PLANVIEW NOTE "PROCEDURE NA FOR ARRIVAL ON DSD VORTAC AIRWAY RADIALS 295 CW 092" TO "PROCEDURE NA FOR ARRIVALS AT MLLRR ON T261 AND V25 SOUTHBOUND" - IAF MOVED FROM DSD VORTAC TO MLLRR.
- REMOVED "CHART ARRIVAL HOLDING AT DSD VORTAC: HOLD S, RT, 012.41 INBOUND, 7200" IN ADDITIONAL FLIGHT DATA - DSD VORTAC REMOVED FROM PROCEDURE.
- CHANGED "3019 AAO 443300N/1210806W" TO "2840 AAO 443449N/1210914W" IN ADDITIONAL FLIGHT DATA - NEW CONTROLLING OBSTACLE.
- CHANGED "FAS OBST: 2739 AAO 443551N/1210928W" TO "FAS OBST: 2720 AAO 443550N/1210929W" IN ADDITIONAL FLIGHT DATA - NEW CONTROLLING OBSTACLE.
- REMOVED "CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 0.02 DEGREES" FROM ADDITIONAL FLIGHT DATA - APPROACH IS STRAIGHT IN ALIGNED.
- CRC REMAINDER CHANGED FROM 135E5072 TO 9F20530B - TCH CHANGED FROM 52.0 TO 50.3.
- CHANGED ALL INSTANCES OF "JUVET/4.49 NM TO RW34" TO "JUVET/4.50 NM TO RW34" - FIX MOVED 17.49 FT N TO ALIGN STRAIGHT-IN.

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZSE, AMGR

FLIGHT CHECKED BY

BRANDON C EASTIN

Digitally signed by

JASON KRETSCHMER

Mar 20, 2023

OFFICE

FPO

DATE

03/14/2023

DEVELOPED BY

JASON KRETSCHMER (TIMOTHY JOHNSON)

Digitally signed by

JASON KRETSCHMER

Feb 17, 2023

OFFICE

AJV-A421

DATE

01/06/2023

APPROVED BY

JASON KRETSCHMER

Digitally signed by

JASON KRETSCHMER

Feb 17, 2023

OFFICE

AJV-A421

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	S33
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	443936.2500N
LTP/FTP LONGITUDE	1210912.2125W
LTP/FTP ELLIPSOIDAL HEIGHT	+07215
FPAP LATITUDE	444105.3455N
FPAP LONGITUDE	1210912.1605W
THRESHOLD CROSSING HEIGHT (TCH)	00050.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1200
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	9F20530B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+07429
FPAP ORTHOMETRIC HEIGHT	+07429

