

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
NDB STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.27

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</u> CENTER MUNI	<u>AIRPORT ID</u> F17	<u>PROCEDURE NAME</u> NDB RWY 17	<u>ORIGINAL/AMENDMENT</u> 2B	<u>CITY</u> CENTER	<u>STATE</u> TX	
<u>AIRPORT ELEVATION</u> 319	<u>TDZE</u> 319	<u>SUPERSEDED</u> NDB RWY 17	<u>ORIGINAL/AMENDMENT</u> 2A	<u>DATED</u> 01/10/2013	<u>MAG VAR</u> 4E	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> CZJ	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
GGG VORTAC		CZJ NDB					131.75	46.46	3000
LFK VORTAC		CZJ NDB					030.60	49.46	3000

MISSED APPROACH

MAP:
CZJ NDB

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 3000 DIRECT CZJ NDB AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT L **SIDE OF COURSE** 337.20 **OUTBOUND** 2000 **FT WITHIN** 10 **MILES OF** CZJ NDB (IAF)
2.
3. **FAC:** 157.20 **FAF:** **DIST FAF TO MAP:** **DIST FAF TO THLD:**
4. **MIN ALT:**
8. **MSA FROM:** CZJ NDB 2200

EQUIPMENT REQUIREMENTS NOTES:

NOTES:

CHART NOTE: RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.



AIRPORT

CENTER MUNI

AIRPORT ID

F17

PROCEDURE NAME

NDB RWY 17

ORIGINAL/AMENDMENT

2B

CITY

CENTER

STATE

TX

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 642 TOWER 315625N/0941416W.
FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.
HOLD NW, RT, 157.20 INBOUND

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

ALTERNATE: NA

X

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
S-17	1200	1 1/4	881	1200	1 1/4	881	1200	2 3/4	881		NA				
CIRCLING	1200	1 1/4	881	1200	1 1/4	881	1200	2 3/4	881		NA				

CHANGES - REASONS

1. INCORPORATE P-NOTAM 2/8959 - 8260-19H PARA 8-3-4 C.(2).
2. REMOVED ALL REFERENCE OF NACOGDOCHES AND HENDERSON ALTIMETER SETTINGS - LOCAL WEATHER NOW AVAILABLE ON WMSCR SERVICE.
3. CHANGED HELICOPTER VISIBILITY NOTE FROM 1 SM TO 3/4 SM AND ADDED RWY 17 - UPDATE NOTE FORMAT AND RUNWAY ONLY HAS 34:1 VISUAL PENETRATIONS.
4. REMOVED CHART NOTE: PROCEDURE NA AT NIGHT - 20:1 VISUAL SURFACE IS CLEAR.

COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER: MONTGOMERY COUNTY FSS, ZFW ARTCC, AMGR, ST. AV DIR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

Digitally signed by

DONALD H LANIER

DEVELOPED BY

DONALD H. LANIER (EBONY HAMILTON)

Digitally signed by

DONALD H LANIER

May 14, 2019

APPROVED BY

GEORGE DAVIS

Digitally signed by

DONALD H LANIER

May 14, 2019

OFFICE

DATE

OFFICE

DATE

OFFICE

DATE

TITLE

MANAGER



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT</u> CENTER MUNI	<u>AIRPORT ID</u> F17	<u>PROCEDURE NAME</u> NDB RWY 17	<u>AMDT NO.</u> 2B	<u>CITY</u> CENTER	<u>STATE</u> TX	<u>AIRPORT ELEVATION</u> 319	<u>FACILITY</u> CZJ
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

<u>FROM</u> GGG VORTAC	<u>TO</u> CZJ NDB
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<u>RNP</u>	<u>DISTANCE</u> 46.46	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
1.TOWER (44-8487)	314822.00N/0941325.00W	890	500	50	5D	1000				AT1110	3000
2.TERRAIN	321021.00N/0943451.00W	506 (500)								AS1500	2000

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

FEEDER

<u>FROM</u> LFK VORTAC	<u>TO</u> CZJ NDB
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<u>RNP</u>	<u>DISTANCE</u> 49.46	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
3.TOWER (44-7862)	312209.00N/0943846.00W	1370	500	50	5D	1000				AT630	3000
4.TERRAIN	314445.00N/0941724.00W	601 (600)								AS1500	2100

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



FINAL: PT

FROM

10 NM

TO

CZJ NDB

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>						
	10.00		CZJ NDB	881							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
5.TOWER (48-021749)	315624.90N/0941416.40W	642	50	20		350				XP200	1200

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

XP TO MAINTAIN PREVIOUS PROCEDURE MINIMUMS.

PROCEDURE TURN

FROM

CZJ NDB

TO

10 NM

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1.TOWER (44-8487)	314822.00N/0941325.00W	890	500	50	5D	1000				AT110	2000
6.TERRAIN	315915.00N/0942027.00W	450 (500)								AS1500	2000

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



MISSED APPROACH

FROM

CZJ NDB

TO

CZJ NDB

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u> 491					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
								ASC				3000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☐ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
7.TREES	314954.00N/0941033.00W	1.30	881	475	50	20	2C	300		SI	1200
CATEGORY B											
7.TREES	314954.00N/0941033.00W	1.50	881	475	50	20	2C	300		SI	1200
CATEGORY C											
7.TREES	314954.00N/0941033.00W	1.70	881	475	50	20	2C	300		SI	1200

CIRCLING REMARKS:

MSA

CENTER

CZJ NDB

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER		281	26.0	1125	500	50	5D	1000			2200

MSA REMARKS:



NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
MONTGOMERY COUNTY FSS, ZFW ARTCC

<u>WX SERVICE</u> AWOS	<u>LOCATION</u> KF17	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KF17	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS	<u>LOCATION</u> KOCH	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KOCH	<u>DISTANCE</u> 32.158	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 79

WX REMARKS:
PRESSURE PATTERNS THE SAME
KF17 319, KOCH 355
RA = 78.96

<u>PRIMARY NAVAID</u> CZJ NDB	<u>MONITOR POINT</u> CXO FSS	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW17 - MIRL (PCL), PAPI-2L	NPI-P	
RW35 - MIRL (PCL), PAPI-2L	NPI-P	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 49.5
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD

☐

3000

FT FROM THRESHOLD

DISPLACED THRESHOLD DISTANCE

ON CENTERLINE

☒

FT FROM CENTERLINE

<u>CRITICAL TEMPERATURES</u>	<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS



FACILITY
CZJ



PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	FACILITY	TO 1000FT POINT	7.00
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	4.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	161.20
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	375
DISTANCE FROM	FACILITY	TO 1500FT POINT	7.00
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	4.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	161.20
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	375

THRESHOLD
COORDINATES
(IF STR-IN)315020.59N/0940928.37W

ARP COORDINATES314953.70N/0940923.10W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 35 DISTANCE 0.45 NM

FAF
COORDINATES

FIX NAME
COORDINATES

REMARKS



PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
DONALD H. LANIER (EBONY HAMILTON)	AJV-A431	04/08/2019	

