

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE**

TITLE 14 CFR PART 97.29

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> CECIL	<u>AIRPORT ID</u> KVQQ	<u>PROCEDURE NAME</u> ILS OR LOC RWY 36R	<u>ORIGINAL/AMENDMENT</u> 4	<u>CITY</u> JACKSONVILLE	<u>STATE</u> FL	
<u>AIRPORT ELEVATION</u> 80	<u>TDZE</u> 72	<u>SUPERSEDED</u> ILS OR LOC RWY 36R	<u>ORIGINAL/AMENDMENT</u> 3A	<u>DATED</u> 05/28/2015	<u>MAG VAR</u> 5W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> I-VQQ	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 30 JANUARY 2020	<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
CRG VORTAC		NOLFO/I-VQQ 12.51 DME/RADAR					228.55	26.44	2800
BRADO	IAF	NOLFO	NOPT	TF	FB	1.00	291.94	21.97	2800
NOLFO/I-VQQ 12.51 DME/RADAR	IF/IAF	ACETI/I-VQQ 7.51 DME/RADAR					004.56	5.00 (I-VQQ)	1800

MISSED APPROACH

MAP:

ILS: DA
LOC: 5.27 NM AFTER ACETI/I-VQQ 7.51 DME/RADAR OR AT I-VQQ 2.24 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 050 AND ON CRG VORTAC R-263 TO CRG VORTAC AND HOLD.
(TACAN AIRCRAFT CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 050 AND ON CRG VORTAC R-263 TO UHUCI/CRG 5.00 DME AND HOLD W, RT, 083.00 INBOUND).

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD S NOLFO, RT, 004.56 INBOUND, 2800 FT. IN LIEU OF PT (IAF), MAX 4000.
- FAC: 004.56 FAF: ACETI/I-VQQ 7.51 DME/RADAR DIST FAF TO MAP: 5.27 DIST FAF TO THLD: 5.27
- MIN ALT: NOLFO/I-VQQ 12.51 DME/RADAR 2800, ACETI/I-VQQ 7.51 DME/RADAR 1800, JIPEL/I-VQQ 3.62 DME 560*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: 1049
- MIN GS INCPT: 1800 GS ALT AT FAF: ACETI/I-VQQ 7.51 DME/RADAR 1800 OM: MM: IM:
- GP ANGLE: 3.00 34:1: 20:1: TCH: 49.1
- MSA FROM: CRG VORTAC 2100

EQUIPMENT REQUIREMENTS NOTES:

FROM BRADO: RNAV 1-GPS REQUIRED.
DME OR RADAR REQUIRED FOR LOC ONLY.



NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CRG VORTAC ON T211 NORTHBOUND.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

*LOC ONLY

CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 36R CAT E VISIBILITY TO 3/4 SM, S-LOC 36R CATS C/D/E VISIBILITY TO 1 3/8 SM, INCREASE JIPEL FIX MINIMUMS S-LOC 36R CAT E VISIBILITY TO 1 1/8 SM.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BRADO ON V267 SOUTHBOUND.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON

CHART R-2904A

CHART R-2903A

CHART FAS OBST: 191 TREE 301038N/0815238W.

HOLD E, LT, 251.40 INBOUND

MINIMUMS:

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

ALTERNATE: NA

ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - CAT E 900-3, NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.

CATEGORY:	A			B			C			D			E		
	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-ILS 36R	272	1/2	200	272	1/2	200	272	1/2	200	272	1/2	200	272	1/2	200
S-LOC 36R	560	1/2	488	560	1/2	488	560	1	488	560	1	488	560	1	488
CIRCLING	560	1	480	560	1	480	600	1 1/2	520	640	2	560	900	3	820
JIPEL FIX MINIMUMS (DME REQUIRED)															
S-LOC 36R	460	1/2	388	460	1/2	388	460	5/8	388	460	5/8	388	460	5/8	388
CIRCLING	540	1	460	560	1	480	600	1 1/2	520	640	2	560	900	3	820



CHANGES - REASONS

1. ADDED FEEDER ROUTE FROM CRG VORTAC TO NOLFO FIX TO TERMINAL ROUTES - FEEDER ADDED PER ATC REQUEST TO FULFILL DOD APPROACH REQUIREMENTS.
2. CHANGED NOLFO DME FROM 12.50 TO 12.51, ACETI DME FROM 7.50 TO 7.51 - UPDATED PER TARGETS GEODETIC CALCULATION OF FIX LOCATIONS.
3. ALTITUDE FOR BRADO TO NOLFO INCREASED FROM 2100 TO 2800 - ALTITUDE INCREASE FOR R-2904A AIRSPACE DECONFLICTION (UP TO BUT NOT INCLUDING 1800 MSL).
4. MISSED APPROACH CHANGED FROM "CLIMB TO 800 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 210 AND ON CRG VORTAC R-257 TO BOCAP INT/CRG 33.61 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 800 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 210 AND ON VQQ VOR R-266 TO BOCAP INT/GNV 30.48 DME AND HOLD." TO "CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 050 AND ON CRG VORTAC R-263 TO CRG VORTAC AND HOLD. (TACAN AIRCRAFT CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 050 AND ON CRG VORTAC R-263 TO UHUCI/CRG 5.00 DME AND HOLD W, RT, 083.00 INBOUND)." - REMOVAL OF USE OF BOCAP INT DUE TO VOR MON AND DOD REQUEST, CLEARANCE LIMIT CHANGED TO CRG VORTAC WITH TACAN PRIMARY NAVIGATION OPTION (ALTERNATE MA NOT POSSIBLE DUE TO AIRSPACE AND NAVAID AVAILABILITY).
5. REMOVED LINE 2, "PROFILE STARTS AT NOFLO"; REPLACED WITH HOLDING-IN-LIEU AT NOLFO - ADDED REQUIRED COURSE REVERSAL FOR NEW FEEDER FROM CRG VORTAC PER ATC REQUEST (DOD REQUIREMENTS).
6. LINE 4, REPLACED MIN ALT FROM OJJEK/1VQQ 4.33 DME 640* WITH JIPEL/I-VQQ 3.62 DME 560* - NEW STEPDOWN FIX JIPEL ADDED TO PROCEDURE TO ALLOW FOR LOWER ALTITUDE AND VISIBILITY MINIMUMS FOR NON-DME EQUIPPED AIRCRAFT.
7. LINE 5, DIST TO THLD FROM GS ANT CHANGED FROM 1048 TO 1049 - UPDATED AIRNAV DATA.
8. ADDED EQUIPMENT REQUIREMENTS NOTES: "FROM BRADO: RNAV-1 GPS REQUIRED" AND "DME OR RADAR REQUIRED FOR LOC ONLY"; REMOVED "CHART NOTE: DME OR RADAR REQUIRED." AND "CHART PLANVIEW NOTE: GPS OR RADAR REQUIRED." - EQUIPMENT NOTATION CHANGED IAW CHARTING CRITERIA.
9. REMOVED "CHART PLANVIEW NOTE ADJACENT TO BRADO IAF: GPS REQUIRED." - EQUIPMENT NOTATION CHANGED IAW CHARTING CRITERIA, GPS REQUIREMENT FOR BRADO LEG IN PBN REQUIREMENTS NOTES.
10. ADDED CHART PLANVIEW NOTE FOR "PROCEDURE NA FOR ARRIVALS AT CRG VORTAC ON T211 NORTHBOUND" AND PROCEDURE NA FOR ARRIVALS AT BRADO ON V267 SOUTHBOUND" - PROCEDURE ENTRY NA FOR GREATER THAN 120 DEGREES OF DIRECTION CHANGE ONTO CONVENTIONAL FEEDER LEG.
11. ADDED CHART PLANVIEW NOTE FOR "PROCEDURE NA FOR ARRIVALS AT BRADO ON V267 SOUTHBOUND" - PROCEDURE ENTRY NA FOR GREATER THAN 90 DEGREES OF DIRECTION CHANGE BELOW FL195 ONTO RNAV INITIAL LEG.
12. REPLACED "CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 36R CAT E VISIBILITY 1/4 MILE, AND S-LOC 36R CATS C/D/E VISIBILITY 3/8 MILE, INCREASE OJJEK FIX MINIMUMS S-LOC 36R CAT E VISIBILITY 1/2 MILE" WITH "CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 36R CAT E VISIBILITY TO 3/4 SM, S-LOC 36R CATS C/D/E VISIBILITY TO 1 3/8 SM, INCREASE JIPEL FIX MINIMUMS S-LOC 36R CAT E VISIBILITY TO 1 1/8 SM." - NOTE UPDATED TO CURRENT CRITERIA AND NEW INOP DATA APPLIED PER VISCHECK.
13. CHANGED "HOLD E, RT, 257.40 INBOUND" TO "HOLD E, LT, 251.40 INBOUND" IN ADDITIONAL FLIGHT DATA - NEW HOLD PATTERN ESTABLISHED AT NEW MISSED APPROACH CLEARANCE LIMIT.
14. REMOVED ALTERNATE MA HOLDING CHARTING INSTRUCTIONS FROM ADDITIONAL FLIGHT DATA - ALTERNATE MA REMOVED FROM PROCEDURE DUE TO NEW MA HOLDING POINT, AIRSPACE, AND NAVAID AVAILABILITY.
15. VDP REMOVED - VDP NOT PUBLISHABLE DUE TO VDP LOCATION WITHIN 0.5 NM FROM FINAL FIX (STEPDOWN) PER TARGETS EVALUATION.
16. REMOVED "CHART IN PLANVIEW: VQQ VOR" - VQQ VOR PERMANENTLY OUT OF SERVICE.
17. REMOVED BACKUP ALTIMETER NOTES - PRIMARY WEATHER SOURCE ON WMSCR, BACKUP NOTES MOVED TO 8260-9 PART C FOR CONTINGENCY.

COORDINATED WITH:

AAA
 ALPA
 AOPA
 APA
 HAI
 NBAA
 OTHER: ZJX, JAX APP CON, VQQ ATCT, AMGR

FLIGHT CHECKED BY

ROBERT E WILLIAMS

Digitally signed by

WARDELL HENNING

Nov 27, 2019

OFFICE

FICO

DATE

11/25/19

DEVELOPED BY

WARDELL HENNING (ROBERT LYMAN)

Digitally signed by

WARDELL HENNING

Nov 27, 2019

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