

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29		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										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: 4.80 NM AFTER LUFSY/I-JZQ 4.64 DME/RADAR OR AT I-JZQ 0.16 DME							
ORF VORTAC		KLINK INT/I-JZQ 10.67 DME		044.40 / 11.79				2000		CLIMB TO 2000 ON ORF VORTAC R-225 TO CALEY/ORF 11.51 DME/RADAR AND HOLD. ALTERNATE MA (DO NOT CHART): CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 335 AND HCM R-155 TO HCM VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 045.20 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE HCM VORTAC, RT, 335.00 INBOUND. FAS OBST: 200 SHIP 365737N/0760820W CHART IN PROFILE VIEW: I-JZQ DME ANTENNA CHART VDP AT 1.06 DME* DISTANCE VDP TO THLD 1.22 NM. *LOC ONLY. CHART IN PLANVIEW: HCM VORTAC. CHART CIRCLING ICON. CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.							
HCM VORTAC (IAF)		KLINK INT/I-JZQ 10.67 DME		134.00 / 39.70 (ORF LR-034)				2000									
CCV VORTAC (IAF)		KLINK INT/I-JZQ 10.67 DME		198.16 / 18.13				2000									
KLINK INT/I-JZQ 10.67 DME (IF/IAF)		LUFSY/I-JZQ 4.64 DME/RADAR		226.80 / 6.03 (I-JZQ)				1600									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE KLINK, LT, 226.80 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 226.80 FAF: LUFSY/I-JZQ 4.64 DME/RADAR DIST FAF TO MAP: 4.80 THLD: 4.80 4. MIN. ALT: KLINK 2000, LUFSY 1600 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 1009 6. MIN GS INCPT: 1600 GS ALT AT: LUFSY 1600 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.0 8. MSA FROM: ORF VORTAC 360-090 1800, 090-360 2300										MAG VAR: 9W EPOCH YEAR: 1985							
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		ILS: STANDARD #		LOC: STANDARD @						
CATEGORY =====>		A		B		C		D		E							
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
S-ILS 23		226	1/2	200	226	1/2	200	226	1/2	200	226	1/2	200				
S-LOC 23		460	1/2	434	460	1/2	434	460	3/4	434	460	3/4	434				
CIRCLING		480	1	453	540	1	513	540	1 1/2	513	900	2 3/4	873				
NOTES:																	
# @ CAT D 900-2 3/4																	
CITY AND STATE NORFOLK, VA		ELEVATION: 27 TDZE: 26 AIRPORT NAME: NORFOLK INTL			FACILITY IDENTIFIER: I-JZQ		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 23, AMDT 8						SUP: AMDT: 7A DATED 06/25/2015				



ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE <div style="text-align: center;">ROUTINE</div>
COORDINATED WITH: <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;">ATA <input checked="" type="checkbox"/></div> <div style="text-align: center;">AAT <input type="checkbox"/></div> <div style="text-align: center;">ALPA <input checked="" type="checkbox"/></div> <div style="text-align: center;">APA <input checked="" type="checkbox"/></div> <div style="text-align: center;">AOPA <input checked="" type="checkbox"/></div> <div style="text-align: center;">NBAA <input checked="" type="checkbox"/></div> <div style="text-align: center;">OTHER (specify) <input checked="" type="checkbox"/> <u>ZDC, ORF ATCT, ORF APP CON, ARPT MGR</u></div> </div>		
FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY <i>Digitally signed by</i>		
NAME:	FIFO	DATE:
ROBERT GRIM	AJV-5431	05/03/2017
APPROVED BY		
NAME:	FIFO	DATE:
PATRICK MULQUEEN	AJV-5430	
CHANGES: <ol style="list-style-type: none"> 1. LUF SY (PFAF) MOVED .81 FT. 2. ALTERNATE MISSED APPROACH CHANGED FROM HOLDING AT FRANKLIN (FKN) VORTAC TO HOLDING AT HARCUM (HCM) VORTAC. 3. ADDED CHART CIRCLING ICON NOTE TO ADDITIONAL FLIGHT DATA BLOCK. 4. CHANGED SHIP HEIGHT (FINAL OBSTACLE) FROM 188 TO 200. 5. CIRCLING MDA/HAA CHANGED FROM 480/453 CAT B, 580/553 CAT D TO 540/513 CAT B, 900/873 CAT D. 6. CIRCLING VISIBILITY CHANGED FROM 2 SM CAT D TO 2 3/4 SM CAT D. 7. ADDED NON-STANDARD ALTERNATE MINIMUMS. 8. DELETED CHART NOTES: @ NA WHEN LOCAL WEATHER NOT AVAILABLE, WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA, RWY 14 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. 9. S-LOC MDA/HAT CHANGED FROM 440/414 ALL CATS TO 460/434 ALL CATS. VISIBILITY CHANGED FROM 3/4 SM CAT A-B TO 1/2 SM CAT A-B. 10. VDP CHANGED FROM 1.00 DME TO 1.06 DME. 11. CHANGED ALTERNATE MISSED APPROACH INSTRUCTIONS FROM CLIMBING RIGHT TURN TO 3000 DIRECT HCM VORTAC AND HOLD TO CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 335 AND HCM R-155 TO HCM VORTAC AND HOLD. 		
REASONS: <ol style="list-style-type: none"> 1. TO ALIGN WITH ILS PFAF LOCATION. 2. FRANKLIN (FKN) VORTAC IS BEING DECOMMISSIONED. 3. ORDER 8260.3, NEW CIRCLING CRITERIA HAS BEEN APPLIED. 4. TO ACCOUNT FOR THE NIMITZ CLASS AIRCRAFT CARRIERS. 5-6. NEW CONTROLLING OBSTACLES AND ACCURACY CODE ADJUSTMENT. 7-8. PER CRITERIA, ASOS ON WMSCR. 9. CONTROLLING OBSTACLE HEIGHT CHANGED FROM 188 FT TO 200 FT. 8260-3C TABLE 3-5A AND VIS CHK CALCULATOR. 10. MDA INCREASED BY 20 FT. 11. TO MATCH IAPA MISSED APPROACH MAP USING SECONDARY AREAS.. 		

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		ORF VORTAC		KLINK INT/I-JZQ		1. TWR (51-000560)		365549.46N/0761217.60W		228 (1A)		1000		AT772		2000			
				10.67 DME		2. TERRAIN		365642.00N/0761427.00W		33 (0)				AS1500		1500			
INITIAL		HCM VORTAC		KLINK INT/I-JZQ		3. TWR (51-000651)		371709.00N/0763049.00W		539 (2C)		1000		AT461		2000			
				10.67 DME		4. TERRAIN		372854.00N/0764006.00W		125 (100)				AS1500		1600			
INITIAL		CCV VORTAC		KLINK INT/I-JZQ		5. TWR (51-001347)		371545.00N/0760044.00W		757 (5D)		1000		AT243		2000			
				10.67 DME		6. TERRAIN		371048.00N/0755927.00W		60 (100)				AS1500		1600			
INTERMEDIATE		KLINK INT/I-JZQ		LUF SY/I-JZQ 4.64		7. SHIP		370300.00N/0760500.00W		200 (2C)		500		AT900		1600			
		10.67 DME		DME/RADAR		8. TERRAIN		370300.00N/0760500.00W		0 (0)				AS1500		1500			
		(IF/IAF)																	
FINAL: ILS		LUF SY/I-JZQ 4.64		RW23								ASC				226/200			
		DME/RADAR																	
FINAL: LOC		LUF SY/I-JZQ 4.64		4.80 NM AFTER		9. SHIP		365736.72N/0760820.45W		200 (2C)		250				460			
		DME/RADAR		LUF SY/I-JZQ															
				4.64 DME/RADAR															
				OR AT I-JZQ															
				0.16 DME															
2. HOLD-IN-LIEU-OF-PT		KLINK		P-5		10. TWR (51-001700)		371054.00N/0755746.00W		527 (5D)		1000		AT473		2000			
						6. TERRAIN		371048.00N/0755927.00W		60 (100)				AS1500		1600			
3. MISSED APPROACH	MAP:		DA / 4.80 NM		CALEY/ORF 11.51						ASC				2000				
	AFTER		DME/RADAR		11. TWR (51-000431)		365006.00N/0761610.00W		556 (2A)		1000				1600				
	ELEV:		48/210		12. TERRAIN		364854.00N/0761500.00W		23 (0)				AS1500		1500				
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.															
CATEGORY A		1.3 NM		REQUIRED	350	ACTUAL	453	15. TWR (51-020396)		365332.86N/0761351.99W		173 (1A)		300		480			
CATEGORY B		1.5 NM			450		513	1. TWR (51-000560)		365549.46N/0761217.60W		228 (1A)		300		540			
CATEGORY C		1.7 NM			450		513	1. TWR (51-000560)		365549.46N/0761217.60W		228 (1A)		300		540			
CATEGORY D		2.3 NM			550		873	16. TWR (51-000368)		364945.00N/0761225.00W		538 (5D)		300		AC50			
CATEGORY E		4.5 NM			550														
5. MINIMUM SAFE ALTITUDES								PRIMARY NAV AID: ORF VORTAC											
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)			
360-090		TWR (51-001347)		029/23.9		756 (5D)		1800											
090-360		TWR (51-001802)		258/15.4		1282 (1A)		2300											
CITY AND STATE				ELEVATION: 27				FACILITY				PROCEDURE AND AMENDMENT NO:				REGION			
NORFOLK, VA				AIRPORT NAME: NORFOLK INTL				I-JZQ				ILS OR LOC RWY 23, AMDT 8				AEA			

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:																
1. COMMUNICATIONS WITH:					2. WEATHER SERVICE					3. ALTIMETER SETTING					PRECIPITOUS TERRAIN EVALUATION COMPLETED.											
ORF TOWER ORF APP CON							N W S		OTHER: ASOS			SOURCE:KORF					ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.81NM CAT C: 2.84NM CAT D: 3.70NM									
							F A A					DISTANCE:														
							A / C					HOURS REMOTE OPERATION: 24 / YES														
SATISFACTORY ON:					LOCATION: KORF					ADJUSTMENT: 0					NO ADDITIONAL AIRSPACE REQUIRED.											
4. MONITOR STATUS					PRIMARY NAVAID: I-JZQ										KORF ASOS ON WMSCR.											
					MONITOR POINT: KORF ATCT																					
					HRS OPTN:		CAT 1		24																CAT 3	
5. APPROACH & RUNWAY LIGHTING							ALS								VGSI DATA: 3.00/55 FEET AVERAGE VEGETATION HEIGHT 100 FT PER FPT REDUNDANT ALTIMETER SOURCES BACKUP NOT REQUIRED PER FPT. DME SUPPORTS BOTH JZQ ILS AND ORF ILS. MISSED APPROACH OBSTACLES CONT. ALTERNATE: ASC 3000 13. TOWER (51-000309) 371234.00N/0763234.00W 568 (5D) 1000 1600 14. TERRAIN 371311.49N/0763234.58W 66 (100) AS1500 1600											
							(S) SALS																			
					X		MALSR 05, 23																			
					X		HIRL 05, 23																			
					X		MIRL 14, 32																			
					X		REIL 14, 32																			
					X		TDZ 05																			
					X		C/L 05, 23																			
6. RUNWAY MARKINGS					BASIC																					
					ALL WEATHER PIR-G 05, 23																					
					INSTRUMENT NPI-G 14, 32																					
7. RUNWAY VISUAL RANGE					APPROACH 05																					
					MIDFIELD																					
					ROLL OUT 23																					
8. GLIDE PATH					GP ANGLE: 3.00					ELEV RWY THRESHOLD:15.5																
					DISTANCE FROM RWY: 1009					ELEV GP ANTENNA: 11.8																
					THRESHOLD CROSSING HEIGHT:55.0																					
9. FINAL APPROACH COURSE AIMING					X		RUNWAY THRESHOLD FT. FROM THRESHOLD																			
					X		ON CENTERLINE FT. FROM CENTERLINE																			
10. WAIVERS: NONE																										
PART D - PREPARED BY: ROBERT GRIM										DATE: 05/03/2017																
TITLE: AERONAUTICAL INFORMATION SPECIALIST										OFFICE: AJV-5431																

