

FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD TERMINAL ARRIVAL (STAR)

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.  
Distances are in nautical miles (NM). Graphic depictions attached.

Arrival Name CHSLY (RNAV)	Number THREE	STAR Computer Code CHSLY.CHSLY3	Superseded Number TWO	Dated 01/05/2017	Effective Date 22 JUNE 2017				
TRANSITION ROUTES:									
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
COUPN	COUPN.CHSLY3	COUPN	COUPN						
			ARGAL	247.12	64.61	16000	2500		
			PELTS	267.35	62.66	16000	2900		
			FEDOX	271.38	08.39	16000	2900		
			SHANZ	271.54	04.34	15000	2200		
			SDAIL	271.52	05.85	13000	2900		BETWEEN 17000 AND FL230
			WLLSH	264.66	19.40	13000	3100		AT/ABOVE 16000
			CHSLY	259.15	11.10	13000	2900		BETWEEN 13000 AND FL220
LYNCHBURG	LYH.CHSLY3	LYH VORTAC	LYH VORTAC						
			BEMOH	221.09	17.12	FL180	4000		
			WRLLD	221.17	15.56	FL180	4000		
			BLUEJ	221.02	22.05	17000	4000		AT/ABOVE FL270
			BURRZ	220.86	11.63	15000	3800		BETWEEN FL240 AND FL270
			SKLES	220.76	05.50	13000	3400		AT/ABOVE FL220
			DENTT	220.73	19.68	13000	3500		AT/ABOVE 16000
			BOOTS	220.61	08.10	13000	3000		BETWEEN 13000 AND FL230
			CHSLY	220.51	03.00	13000	2200		BETWEEN 13000 AND FL220
NUUMN	NUUMN.CHSLY3	NUUMN	NUUMN						
			SDAIL	246.00	23.86	13000	2900		BETWEEN 17000 AND FL230
			WLLSH	264.66	19.40	13000	3100		AT/ABOVE 16000
			CHSLY	259.15	11.10	13000	2900		BETWEEN 13000 AND FL220
SDAIL	SDAIL.CHSLY3	SDAIL	SDAIL						BETWEEN 17000 AND FL230
			WLLSH	264.66	19.40	13000	3100		AT/ABOVE 16000
			CHSLY	259.15	11.10	13000	2900		BETWEEN 13000 AND FL220

This is a corrected copy of the procedure published in NFDD 088.  
See Page 4 for details.

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<b>CHSLY (RNAV)</b>	<b>THREE</b>	<b>CHSLY.CHSLY3</b>	<b>TWO</b>	<b>01/05/2017</b>	<b>22 JUNE 2017</b>

ARRIVAL ROUTE DESCRIPTION:

FROM CHSLY ON TRACK 225.20/6.44 TO CROSS KRISS AT OR ABOVE 11000, THEN ON TRACK 210.73/3.79 TO CROSS SLPOH BETWEEN 10000 AND 21000.

LANDING RWY 36R/C/L, 05: FROM SLPOH ON TRACK 218.80/10.35 TO CROSS JAMGO BETWEEN 10000 AND 16000 AND AT 250 KIAS, THEN ON TRACK 218.39/8.35 TO CROSS WHIZE BETWEEN 9000 AND 12000, THEN ON TRACK 218.34/9.94 TO CROSS CAATT AT 9000 AND AT 210 KIAS, THEN ON TRACK 183.08/12.00 TO CROSS EPAYE AT 6000 AND AT 210 KIAS, THEN ON TRACK 183.08. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 18R/C/L: FROM SLPOH ON TRACK 201.26/7.43 TO CROSS NODEW BETWEEN 8000 AND 9000 AND AT 230 KIAS, THEN ON TRACK 276.25/10.01 TO CROSS HEELZ AT 6000 AND AT 210 KIAS, THEN ON TRACK 270.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 23: FROM SLPOH ON TRACK 201.26/7.43 TO CROSS NODEW BETWEEN 8000 AND 9000 AND AT 230 KIAS, THEN ON TRACK 201.24/6.81 TO CROSS BLNCO AT OR ABOVE 7000, THEN ON TRACK 235.67/3.98 TO CROSS JEPHS AT OR ABOVE 6000. EXPECT ILS OR LOC RWY 23 APPROACH.

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED

NOTE: RNAV 1

NOTE: DME/DME/IRU OR GPS REQUIRED

NOTE: TURBOJET AIRCRAFT ONLY

NOTE: DESCEND VIA MACH NUMBER UNTIL INTERCEPTING 280KIAS. MAINTAIN 280KIAS UNTIL SLOWED BY THE STAR or ASSIGNED BY ATC.

NOTE: EXPECT "DESCEND VIA" CLEARANCE AND LANDING DIRECTION ASSIGNMENT (NORTH or SOUTH) BY ARTCC. FOR VERTICAL NAVIGATION PLANNING, LANDING SOUTH, SELECT RWY23, LANDING NORTH, SELECT RWY36R.

NOTE: NUUMN TRANSITION ATC ASSIGNED ONLY.

NOTE: CLT APPROACH WILL ASSIGN LANDING RUNWAY.

NOTE: CAUTION: PARACHUTE JUMPING 3NM S SLPOH, 5 NM RADIUS KRUQ (ROWAN COUNTY AIRPORT), AOB 10,500 MSL (SR-SS).

NOTE: CHART NOTE at HEELZ: LANDING SOUTH RUNWAYS 18 L/C/R: EXPECT RADAR VECTORS TO FINAL APPROACH COURSE AFTER HEELZ.

NOTE: CHART NOTE at EPAYE: LANDING NORTH RUNWAYS 5, 36 L/C/R: EXPECT RADAR VECTORS TO FINAL APPROACH COURSE AFTER EPAYE.

NOTE: LANDING SOUTH RWY23: INTERCEPT LOCALIZER OR AS ASSIGNED BY ATC AFTER JEPHS.

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT BLUEJ: HOLD NE, RT, 221.02 INBOUND, 10 NM LEGS.

CHART HOLDING AT CHSLY: HOLD NE, LT, 220.51 INBOUND, 10 NM LEGS.

CHART HOLDING AT FEDOX: HOLD E, RT, 271.38 INBOUND, 10 NM LEGS.

CHART HOLDING AT PELTS: HOLD E, RT, 267.35 INBOUND, 10 NM LEGS.

CHART HOLDING AT WRLD: HOLD NE, RT, 221.17 INBOUND, 10 NM LEGS.

COMMUNICATIONS:

CHARLOTTE APP CON, CHARLOTTE ARR ATIS.

AIRPORTS SERVED:

CHARLOTTE/DOUGLAS INTL, CHARLOTTE, NC

LOST COMMUNICATIONS PROCEDURE:

FEDERAL AVIATION ADMINISTRATION  
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REMARKS:ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)  
REFERENCE MAGNETIC VARIATION = KCLT 07W/2000

FLIGHT INSPECTED BY:

BRENT BOOKER  
Name

FICO  
Organization

03/28/2017  
Date

*Digitally signed by*  
**ROBERT G HAMILTON**  
Mar 30, 2017      Signature

DEVELOPED BY:

CHERYL ZIBROWSKI CLT OAPM FAA LEAD, JIM  
WILLIAMS CLT OAPM NATCA LEAD  
Name

Organization

02/13/2017  
Date

*Digitally signed by*  
**ROBERT G HAMILTON**  
Mar 30, 2017      Signature

APPROVED BY:

MARLON J. ROBINSON, MANAGER  
Name

AJV-5440  
Organization

03/30/2017  
Date

*Digitally signed by*  
**ROBERT G HAMILTON**  
Mar 30, 2017      Signature

CHANGES:

- 1). Replaced SUDSY on the common route with KRISS 0.45 NM NW of SUDSY.
- 2). Removed altitude and speed restriction at FEDOX.
- 3). Added new fix (SHANZ – 355806.56/0794139.23) on COUPN transition.
- 4). Amended altitude restriction at SDAIL, from AOA FL230 to between FL230 and 17000 feet MSL.
- 5). Moved WLLSH 2.5 NM Southeast on the COUPN and NUUMN transitions to 11.10 NM prior to start of common route CHSLY; deceleration from 230 knots to 210 knots between 8000 and 6000.
- 6). Added BOOTS due to Descent Gradient requirement.
- 7). Removed altitude restriction at NUUMN.
- 8). Modified NOTE: Removed RWY23 from INTERCEPT LOCALIZER OR AS ASSIGNED BY ATC AFTER JEPHS note.
- 9). Changed Runway 18L/C/R transition from SLPOH..JOHNS to SLPOH..NODEW..HEELZ with altitude restriction of 6000 and 210kts at HEELZ.
- 10). Changed Landing South RWYS 18L/C/R to Expect RADAR vectors to final approach course after HEELZ.
- 11). Removed MOCAs and MEAs from Common Route and Runway transitions.
- 12). Moved EPAYE 0.55 NM South.
- 13). Moved HEELZ 0.37 NM West.
- 14). Moved WLLSH 2.5 NM SE.
- 15). Moved DENTT 0.59 NM NE.
- 16). Moved COUPN 0.87 Feet East.
- 17). Lowered MEA from COUPN 18000 to PELTZ to 16000.
- 18). Removed HEELZ, CHINZ as standalone waypoints.
- 19). CHSLY hold inbound course changed from 220.52 to 220.51.

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<b>CHSLY (RNAV)</b>	<b>THREE</b>	<b>CHSLY.CHSLY3</b>	<b>TWO</b>	<b>01/05/2017</b>	<b>22 JUNE 2017</b>

**REASONS:**

- 1). Avoid Waypoint name conflict.
- 2). Vertical constraints not needed on profile.
- 3). Waypoint requested by ATC 3NM miles from Airspace boundary.
- 4). Provides more efficient vertical profile.
- 5). More efficient lateral path (reduces flight miles).
- 6). Waypoint added due to Descent Gradient greater than Maximum Permissible Descent Gradient (330) and changed altitude from At or Below FL230 to between FL230 and 13000 feet MSL.
- 7). Altitude no longer needed at waypoint.
- 8). Redundant NOTE not needed.
- 9). Route changed for Runway 18L/C/R arrivals.
- 10). More efficient Lateral path.
- 11). IAW 8260.3C, CH 2, 2-2-1(F)(5)(d).
- 12). IAW 8260.3C, CH 2, 2-2-1(G); due to Descent Gradient greater than Maximum Permissible Descent Gradient (250).
- 13-15). IAW 8260.3C, CH 2, 2-2-1(I); leg length.
- 16). Moved at request of ATC to line up with airspace boundaries.
- 17). MEA represents lowest altitude on that transition.
- 18). CHINZ No longer on procedure, HEELZ depicted on rwy transition.
- 19). CHSLY hold inbound course changed from 220.52 to 220.51 because BOOTS added to transition between DENTT and CHSLY.

**05/11/17: This is a corrected copy of the form approved on 03/30/17:**

1. 8260-17.1, Transition Routes, Lynchburg transition: added missing leg information "BLUEJ, 221.02, 22.05, 17000, 4000" after WRLLD.
2. Corrected Landing South runways NOTE from JOHNS to HEELZ.

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STAR (DATA RECORD)

Arrival Name CHSLY (RNAV)		Number THREE		STAR Computer Code CHSLY.CHSLY3		Superseded Number TWO		Dated 01/05/2017	Effective Date 22 JUNE 2017
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
COUPN	364250.83N / 0770044.04W	Y		IF					COUPN.CHSLY3
ARGAL	361016.63N / 0780955.31W	Y	FB	TF	240.12	64.61			
PELTS	355921.35N / 0792602.35W	Y	FB	TF	260.35	62.66			
FEDOX	355831.50N / 0793619.66W	Y	FB	TF	264.38	08.39			
SHANZ	355806.56N / 0794139.23W	Y	FB	TF	264.54	04.34			
SDAIL	355732.76N / 0794849.98W	Y	FB	TF	264.52	05.85	17000BFL230	AT 280K	
WLLSH	355321.38N / 0801209.65W	Y	FB	TF	257.66	19.40	AT/ABOVE 16000	AT 270K	
CHSLY	354956.17N / 0802509.43W	Y	FB	TF	252.15	11.10	13000BFL220	AT 250K	
En Route Transition									
LYH VORTAC	371516.48N / 0791410.97W	Y		IF					LYH.CHSLY3
BEMOH	370104.39N / 0792609.73W	Y	FB	TF	214.09	17.12			
WRLLD	364810.44N / 0793702.65W	Y	FB	TF	214.17	15.56			
BLUEJ	362951.50N / 0795220.48W	Y	FB	TF	214.02	22.05	AT/ABOVE FL270		
BURRZ	362011.05N / 0800021.64W	Y	FB	TF	213.86	11.63	FL240BFL270	AT 280K	
SKLES	361536.24N / 0800408.37W	Y	FB	TF	213.76	05.50	AT/ABOVE FL220	AT 280K	
DENTT	355911.99N / 0801736.24W	Y	FB	TF	213.73	19.68	AT/ABOVE 16000	AT 270K	
BOOTS	355226.50N / 0802307.22W	Y	FB	TF	213.61	08.10	13000BFL230		
CHSLY	354956.17N / 0802509.43W	Y	FB	TF	213.51	03.00	13000BFL220	AT 250K	
En Route Transition									
NUUMN	360953.78N / 0792338.70W	Y		IF					NUUMN.CHSLY3
SDAIL	355732.76N / 0794849.98W	Y	FB	TF	239.00	23.86	17000BFL230	AT 280K	
WLLSH	355321.38N / 0801209.65W	Y	FB	TF	257.66	19.40	AT/ABOVE 16000	AT 270K	
CHSLY	354956.17N / 0802509.43W	Y	FB	TF	252.15	11.10	13000BFL220	AT 250K	

QUALITY  
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Arrival Name <b>CHSLY (RNAV)</b>	Number <b>THREE</b>	STAR Computer Code <b>CHSLY.CHSLY3</b>	Superseded Number <b>TWO</b>	Dated <b>01/05/2017</b>	Effective Date <b>22 JUNE 2017</b>
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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
<b>En Route Transition</b>									
SDAIL	355732.76N / 0794849.98W	Y		IF			17000BFL230	AT 280K	SDAIL.CHSLY3
WLLSH	355321.38N / 0801209.65W	Y	FB	TF	257.66	19.40	AT/ABOVE 16000	AT 270K	
CHSLY	354956.17N / 0802509.43W	Y	FB	TF	252.15	11.10	13000BFL220	AT 250K	
<b>Common Route</b>									
CHSLY	354956.17N / 0802509.43W	Y		IF			13000BFL220	AT 250K	CHSLY.CHSLY3
KRISS	354452.11N / 0803002.82W	Y	FB	TF	218.20	06.44	AT/ABOVE 11000		
SLPOH	354123.61N / 0803155.16W	Y	FB	TF	203.73	03.79	10000BFL210		
<b>Runway Transition</b>									
SLPOH	354123.61N / 0803155.16W	Y		IF			10000BFL210		
JAMGO	353234.84N / 0803836.23W	Y	FB	TF	211.80	10.35	10000B16000	AT 250K	
WHIZE	352526.54N / 0804355.47W	Y	FB	TF	211.39	08.35	9000B12000		
CAATT	351656.00N / 0805014.48W	Y	FB	TF	211.34	09.94	AT 9000	AT 210K	
EPAYE	350456.54N / 0804914.43W	Y	FO	TF	176.08	12.00	AT 6000	AT 210K	
KCLT:RWY 05,RWY 36C,RWY 36L,RWY 36R				FM	176.08				RECOMMENDED NAVAID: ILM VORTAC
<b>Runway Transition</b>									
SLPOH	354123.61N / 0803155.16W	Y		IF			10000BFL210		
NODEW	353410.88N / 0803409.81W	Y	FB	TF	194.26	07.43	8000B9000	AT 230K	
HEELZ	353402.34N / 0804626.00W	Y	FO	TF	269.25	10.01	AT 6000	AT 210K	
KCLT:RWY 18C,RWY 18L,RWY 18R				FM	263.00				RECOMMENDED NAVAID:ILM VORTAC
<b>Runway Transition</b>									
SLPOH	354123.61N / 0803155.16W	Y		IF			10000BFL210		
NODEW	353410.88N / 0803409.81W	Y	FB	TF	194.26	07.43	8000B9000	AT 230K	

QUALITY  
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CHSLY (RNAV)	THREE	CHSLY.CHSLY3	TWO	01/05/2017	22 JUNE 2017

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
BLNCO	352734.01N / 0803612.93W	Y	FB	TF	194.24	06.81	AT/ABOVE 7000		
JEPHS	352455.89N / 0803952.48W	Y	FB	TF	228.67	03.98	AT/ABOVE 6000		
KCLT:RWY 23									

QUALITY  
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