

US DEPARTMENT of TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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 depiction attached.

Arrival Name FILPZ (RNAV)	Number TWO	STAR Computer Code JJENY.FILPZ2	Superseded Number ONE	Dated 20 AUG 2015	Effective Date 21 JULY 2016
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TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
COMDY	COMDY.FILPZ2	COMDY	COMDY						
			BLAYQ	112.22	15.42	13000	7200		
			PHAYE	112.20	23.42	13000	7200		AT/ABOVE FL240
			JJENY	112.56	21.15	11000	8300		BETWEEN FL190 AND FL270
SKYWA	SKYWA.FILPZ2	SKYWA	SKYWA						
			NIZAM	137.97	14.96	13000	5100		
			COMDY	137.97	42.72	13000	5100		
			BLAYQ	112.22	15.42	13000	7200		
			PHAYE	112.20	23.42	13000	7200		AT/ABOVE FL240
			JJENY	112.56	21.15	11000	8300		BETWEEN FL190 AND FL270
TAZZA	TAZZA.FILPZ2	TAZZA	TAZZA						
			COMDY	091.92	57.61	13000	5000		
			BLAYQ	112.22	15.42	13000	7200		
			PHAYE	112.20	23.42	13000	7200		AT/ABOVE FL240
			JJENY	112.56	21.15	11000	8300		BETWEEN FL190 AND FL270

ARRIVAL ROUTE DESCRIPTION:

FROM JJENY ON TRACK 112.81/11.27 TO CROSS FILPZ AT OR ABOVE 16000 AND AT 270 KIAS (MEA 11000/MOCA 7700).

LANDING RWY 36R/C/L, 05: FROM FILPZ ON TRACK 120.79/20.31 TO CROSS ADOWN BETWEEN 12000 AND FL190 AND AT 250 KIAS (MEA 8000/MOCA 4900), THEN ON TRACK 115.99/10.11 TO CROSS INWAL BETWEEN 11000 AND 15000 AND AT 250 KIAS (MEA 6000/MOCA 3700), THEN ON TRACK 116.07/13.79 TO CROSS JELNO BETWEEN 10000 AND 11000 (MEA 5000/MOCA 3300), THEN ON TRACK 116.18/7.76 TO CROSS CEDOX AT 9000 AND AT 210 KIAS (MEA 5000/MOCA 2500), THEN ON TRACK 182.83/11.44 TO CROSS VALLL AT 6000 AND AT 210 KIAS (MEA 5000/MOCA 2200), THEN ON TRACK 182.83. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 23, 18R/C/L: FROM FILPZ ON TRACK 109.48/15.71 TO CROSS PIPPS AT OR ABOVE 12000 AND AT 250 KIAS (MEA 8000/MOCA 5100), THEN ON TRACK 109.54/7.73 TO CROSS JOBOT BETWEEN 11000 AND 12000 AND AT 250 KIAS (MEA 7000/MOCA 5100), THEN ON TRACK 090.13/6.16 TO CROSS ERHRT AT OR BELOW 10000 (MEA 5000/MOCA 4400), THEN ON TRACK 090.19/13.18 TO CROSS FISHN AT 7000 AND AT 210 KIAS (MEA 5000/MOCA 3700), THEN ON TRACK 090.19. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED

NOTE: RNAV 1

NOTE: DME/DME/IRU OR GPS REQUIRED

NOTE: TURBOJET AIRCRAFT ONLY

NOTE: EXPECT "DESCEND VIA" CLEARANCE AND LANDING DIRECTION ASSIGNMENT (NORTH or SOUTH) BY ARTCC. FOR VERTICAL NAVIGATION PLANNING, LANDING SOUTH, SELECT RWY18R, LANDING NORTH, SELECT RWY36L.

CHART NOTE: CLT APPROACH WILL ASSIGN LANDING RUNWAY.

CHART NOTE: DESCEND VIA MACH NUMBER UNTIL INTERCEPTING 270 KIAS. MAINTAIN 270 KIAS UNTIL SLOWED BY THE STAR OR ASSIGNED BY ATC.

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
FILPZ (RNAV)	TWO	JJENY.FILPZ2	ONE	20 AUG 2015	21 JULY 2016

CHART NOTE AT FISHN:

LANDING SOUTH RWY 23, 18L/C/R. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE after FISHN.

CHART NOTE AT VALLL:

LANDING NORTH RWY 5, 36L/C/R. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE after VALLL.

FIXES AND/OR HOLDING PATTERNS:

CHART: STANDALONE WAYPOINT LIINN.

CHART HOLDING AT: PHAYE, HOLD W, LT, 112.20 INBOUND, 10 NM LEGS. FILPZ, HOLD NW, LT, 112.81 INBOUND, 10 NM LEGS. LIINN HOLD NW, RT, 121.00 INBOUND, 10 NM LEGS.

COMMUNICATIONS:

CHARLOTTE APP CON, CHARLOTTE ARR ATIS 121.15

AIRPORTS SERVED:

CHARLOTTE/DOUGLAS INTL, CHARLOTTE, NC

LOST COMMUNICATIONS PROCEDURE:REMARKS:ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)

REFERENCE MAGNETIC VARIATION = KCLT 07W/2000.

CHART N92.

CHART NEAR N92: CAUTION: PARACHUTE JUMPING 5NM NE FISHN, 3.0 NM RADIUS N92 (LANEY FIELD), AOB 11,500 MSL.

FLIGHT INSPECTED BY:**DUSTIN WELSH**
Name**FICO**
Organization**04/14/2016**
Date*Digitally signed by*
JULIE A MORGANMay 05, 2016
SignatureDEVELOPED BY:CHERYL ZIBROWSKI CLT FAA LEAD, ROBERT
SZYMKIEWICZ CLT OAPM NATCA LEAD
Name

Organization

02/22/2016
Date*Digitally signed by*
JULIE A MORGAN

May 05, 2016

Signature

APPROVED BY:**MARLON J. ROBINSON, MANAGER**
Name**AJV-5410**
Organization

Date

Digitally signed by
JULIE A MORGAN

May 05, 2016

Signature

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
FILPZ (RNAV)	TWO	JJENY.FILPZ2	ONE	20 AUG 2015	21 JULY 2016

CHANGES:

- 1) LOWERED MEA FROM SKYWA TO NIZAM FROM 24000 to 13000.
- 2) ADDED NEW WAYPOINT BETWEEN SKYWA TO COMDY (NIZAM).
- 3) LOWERED MEA FROM TAZZA TO COMDY FROM 24000 TO 13000.
- 4) REMOVED SPEED and ALTITUDE at BLAYQ.
- 5) CHANGED BACKK WP to ADOWN AND LOWERED SPEED CONSTRAINT from 260k to 250k.
- 6) CHANGED ALTITUDE RESTRICTION AT CEDOX from BETWEEN 9000 AND 11000 to AT 9000.
- 7) LOWERED BLOCK ALTITUDE CEILING AT JELNO from 12000 to 11000.
- 8) CHANGED RESTRICTIONS AT FILPZ FROM AT/ABOVE 17000 TO AT/ABOVE 16000 AND AT 270 KIAS.
- 9) ADDED PIPPS NEW WAYPOINT on R18L/C/R23 TRANSITION BETWEEN FILPZ and JOBLT WITH CROSSING RESTRICTIONS of AT or ABOVE 12000 AND AT 250 KIAS.
- 10) MOVED INWAL AND JELNO .91 NM AND REMOVED WELKY FROM THE R36R/C/L, RO5 TRANSITION. RESULTED IN LOWERING MOCAs TO INWAL from 3800 to 3700, TO CEDOX from 3000 to 2500.
- 11) REMOVED DOSBE AND MOVED FM TRACK TO NEW WP VALLL AT THE END OF THE R36R/C/L, R05 TRANSITION.
- 12) REMOVED ALL SATELLITE AIRPORTS from AIRPORTS SERVED (KAFF, KAKH, KDCM, KEHO, KEQY, KIPJ, KLKR, KN52, KUZA).
- 13) REMOVED CHLOW WAYPOINT.
- 14) CHANGED COMMON ROUTE TRANSITION to START AT JJENY.
- 15) ADDED ENROUTE TRANSITION FROM COMDY to JJENY.
- 16) ADDED CHART NOTES TO EXPECT VECTORS AFTER FISHN AND VALLL.
- 17) ADDED STAND ALONE HOLDING PATTERN AT LIINN.
- 18) ADDED N92 AND NOTE CAUTIONING PARACHUTE JUMPING OPERATIONS AT N92 TO GRAPHIC .
- 19) ADDED DESCEND VIA SPEED NOTE.

REASONS:

- 1-3) ATC REQUEST.
- 4) SPEED NOT NEEDED.
- 5) AVOID LIKE FIX NAME CONFUSION WITH BLAYQ AND AVOID RANDOM SPEED CONSTRAINTS.
- 6) PROVIDES MORE EFFICIENT VERTICAL PROFILE.
- 7-8) ALIGNS VERTICAL PATH.
- 9) PROVIDE SMOOTHER VERTICAL PROFILE.
- 10) NEW OEA IDENTIFIED LOWER CONTROLLING OBSTACLES.
- 11) EXTRA DISTANCE PROVIDES MORE EFFICIENT VERTICAL PATH.
- 12) ATC REQUEST.
- 13) WAYPOINT NOT NEEDED ON TRANSITION.
- 14,15) DATA COMM COMPLIANCE.
- 16,19) FOR PILOT PLANNING.
- 17) ATC REQUEST HOLDING PATTERN at LIINN.
- 18) N92 USED AS REFERENCE POINT FOR PARACHUTE JUMPING OPERATIONS.

04/25/16: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 02/22/2016.

1. CHANGED ALL REFERENCE IN ALL LOCATIONS FROM FIX NAME BACKK TO ADOWN.

05/02/16: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 02/22/2016.

1. ADDED SPEED RESTRICTION AT 250 KIAS AT PIPPS.

QUALITY
17
CHECKED

US DEPARTMENT of TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

STAR (DATA RECORD)

Arrival Name FILPZ (RNAV)		Number TWO		STAR Computer Code JJENY.FILPZ2		Superseded Number ONE		Dated 20 AUG 2015	Effective Date 21 JULY 2016
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
COMDY	355337.26N / 0832801.28W	Y		IF					COMDY.FILPZ2
BLAYQ	354932.60N / 0830943.09W	Y	FB	TF	105.22	15.42			
PHAYE	354320.41N / 0824157.66W	Y	FB	TF	105.20	23.42	AT/ABOVE FL240	AT 270K	
JJENY	353736.86N / 0821657.77W	Y	FB	TF	105.56	21.15	FL190BFL270		
En Route Transition									
SKYWA	363137.31N / 0842142.40W	Y		IF					SKYWA.FILPZ2
NIZAM	362146.96N / 0840743.06W	Y	FB	TF	130.97	14.96			
COMDY	355337.26N / 0832801.28W	Y	FB	TF	130.97	42.72			
BLAYQ	354932.60N / 0830943.09W	Y	FB	TF	105.22	15.42			
PHAYE	354320.41N / 0824157.66W	Y	FB	TF	105.20	23.42	AT/ABOVE FL240	AT 270K	
JJENY	353736.86N / 0821657.77W	Y	FB	TF	105.56	21.15	FL190BFL270		
En Route Transition									
TAZZA	354851.72N / 0843838.87W	Y		IF					TAZZA.FILPZ2
COMDY	355337.26N / 0832801.28W	Y	FB	TF	084.92	57.61			
BLAYQ	354932.60N / 0830943.09W	Y	FB	TF	105.22	15.42			
PHAYE	354320.41N / 0824157.66W	Y	FB	TF	105.20	23.42	AT/ABOVE FL240	AT 270K	
JJENY	353736.86N / 0821657.77W	Y	FB	TF	105.56	21.15	FL190BFL270		
Common Route									
JJENY	353736.86N / 0821657.77W	Y		IF			FL190BFL270		JJENY.FILPZ2
FILPZ	353431.56N / 0820340.14W	Y	FB	TF	105.81	11.27	AT/ABOVE 16000	AT 270K	
Runway Transition									
FILPZ	353431.56N / 0820340.14W	Y		IF			AT/ABOVE 16000	AT 270K	
ADOWN	352617.14N / 0814055.87W	Y	FB	TF	113.79	20.31	12000BFL190	AT 250K	QUALITY 17 CHECKED
INWAL	352258.84N / 0812914.35W	Y	FB	TF	108.99	10.11	11000B15000	AT 250K	
JELNO	351827.11N / 0811319.01W	Y	FB	TF	109.07	13.79	10000B11000		

QUALITY
17
CHECKED