

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.  
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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
JUNNR (RNAV)	FOUR	JUNNR.JUNNR4	THREE	04/25/2019	31 Oct 2024

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
FUBLL	FUBLL.JUNNR4	FUBLL	FUBLL						
			GMONY	228.13	47.41	FL180	5100		
			WAMUR	223.10	26.70	FL180	5100		
			JUNNR	215.16	20.84	10000	3500		

ARRIVAL ROUTE DESCRIPTION:

LANDING ALL AIRPORTS: FROM JUNNR ON TRACK 215.08/31.65 TO OPENS, THEN ON TRACK 216.35/6.13 TO YELKS, THEN ON TRACK 216.25/11.82 TO KWOOD, THEN ON TRACK 263.94/22.90 TO TANCE, THEN ON TRACK 263.81/16.24 TO BURGG, THEN ON HEADING 263.81. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED

PROCEDURAL DATA NOTES:

NOTE: JET AND TURBOPROP AIRCRAFT ONLY

FIXES AND/OR HOLDING PATTERNS:

COMMUNICATIONS:

CHART: GREER APP CONTROL

AIRPORTS SERVED:

AIRPORT ID	CITY	STATE
GYH	GREENVILLE	SC
GMU	GREENVILLE	SC
GSP	GREER	SC
SPA	SPARTANBURG	SC

LOST COMMUNICATIONS PREFERENCES:

REMARKS:

THE ENVIRONMENTAL REVIEW UNDER ORDER 1050.1 (LATEST EDITION) AND THE NOISE SCREENING HAVE BEEN ACCOMPLISHED.  
WITH NO ESVs IN THE RUN, THE STAR FAILS DME/DME RESOLUTION.

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**ADDITIONAL FLIGHT DATA:**

DME/DME ASSESSMENT: SAT (RNP 2.0)  
MAG VAR: KGSP 06W/2010  
CHART AT BURGG TERMINUS: LDG GSP/GMU/GYH/SPA

**FLIGHT INSPECTED BY:**

KEVIN RIESE

**ORGANIZATION:**

FPO

**DATE:**

07/26/2024

Flight Inspected Signature:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Aug 06, 2024

**DEVELOPED BY:**

JOEY TINSLEY, ESC PBN CO-LEAD

NATCA

12/01/2023

Developed By Signature:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Aug 06, 2024

**APPROVED BY:**

BEV BORDY

AJV-A430

Approved By Signature:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Aug 06, 2024

**CHANGES:**

1. REPLACED SPA VORTAC AT TERMINUS FIX WITH BURGG WP.
2. REMOVED CHART NOTE AT TANCE WP TO EXPECT AT 10000.
3. CHANGED MOCA ON FUBLL TO GMONY SEGMENT FROM 4300 TO 5100.
4. ADDED TERMINUS DATA TO ADDITIONAL FLIGHT DATA.
5. REPLACED PROCEDURAL DATA NOTES DME/DME/IRU OR GPS REQUIRED AND RNAV 1 WITH PBN REQUIREMENT NOTE RNAV 1 - DME/DME/IRU OR GPS.
6. CHANGED NOTE TURBOJET AND TURBOPROP AIRCRAFT ONLY TO JET AND TURBOPROP AIRCRAFT ONLY.
7. REMOVED MEA/MOCA VALUES IN COMMON ROUTE.
8. ARRIVAL DESCRIPTION: REMOVED OR AS ASSIGNED BY ATC; VM HDG CHANGED FROM 263.84 TO 263.81.
9. REMOVED AIRPORT NAMES FROM AIRPORTS SERVED.
10. REMOVED K IDENT FROM FORM.

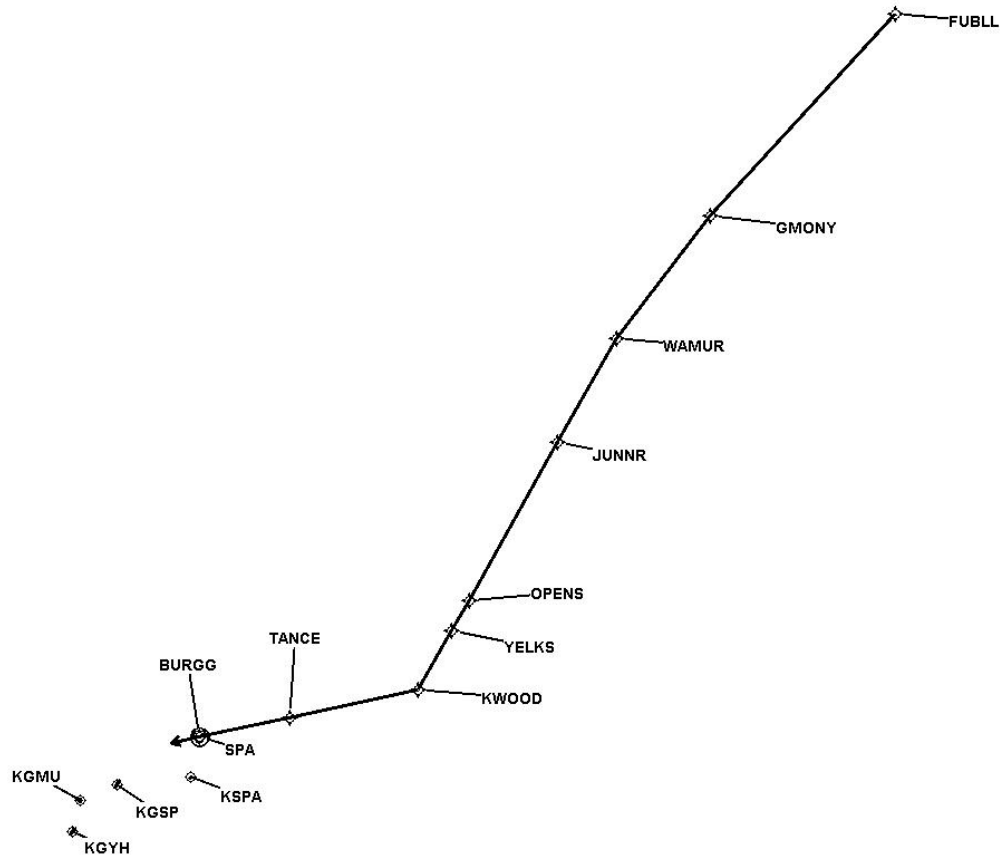
**REASONS:**

1. SPA VORTAC IS BEING RELOCATED AND REMOVING LEGACY NAVAIDS FROM PBN PROCEDURES.
2. EXPECTED ALTITUDES REMOVED PER CRITERIA 8260.19I 4-5-2 e.
3. MOCA VALUES MUST NOT BE HIGHER THAN PREVIOUS SEGMENT MOCA PER 8260.3E 2-2-7.D.3
4. TERMINUS INFORMATION ADDED PER 8260.19I 4-5-2 h.(2)
5. REQUIRED TO ANNOTATE PBN REQUIREMENTS IAW 8260.46J 2-1-1.f.6
6. DOCUMENTED TO CURRENT STANDARDS IAW 8260.19J para. 4-5-12d(4).
- 7-8. DOCUMENTED TO CURRENT STANDARDS IAW 8260.19J para. 4-5-12c.
- 9-10. CURRENT DOCUMENTATION STANDARDS.

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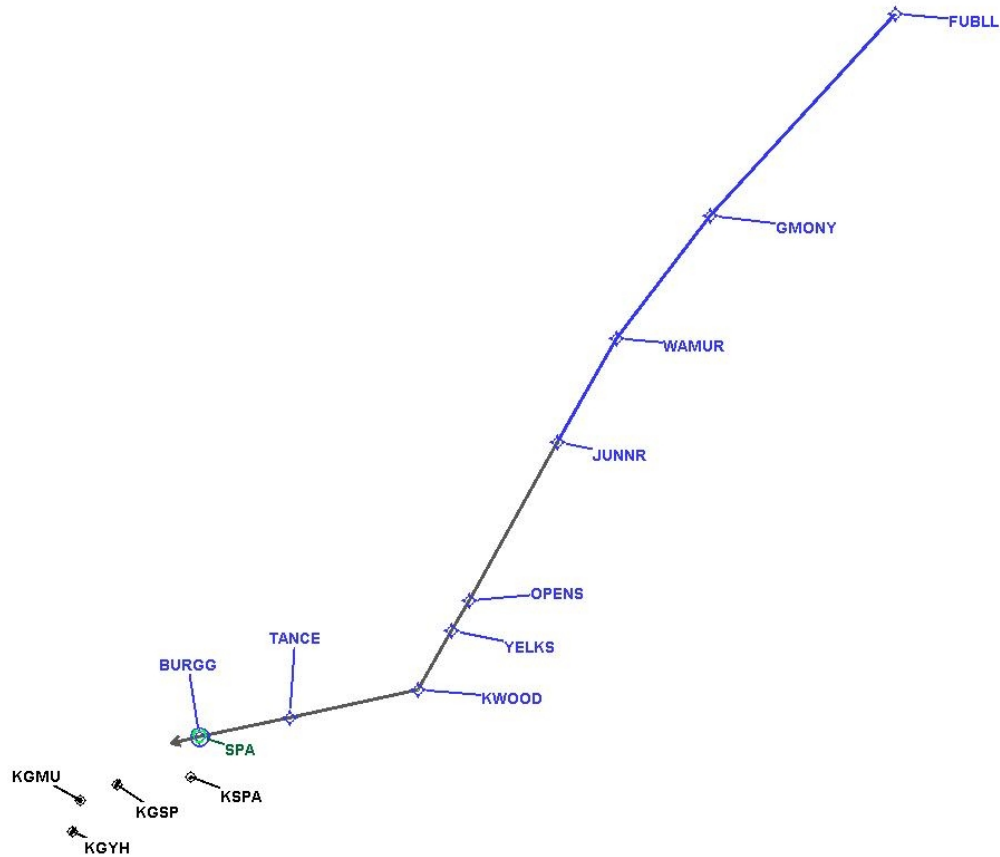
Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
JUNNR (RNAV)	FOUR	JUNNR.JUNNR4	THREE	04/25/2019	31 Oct 2024
Graphic Depiction 1					



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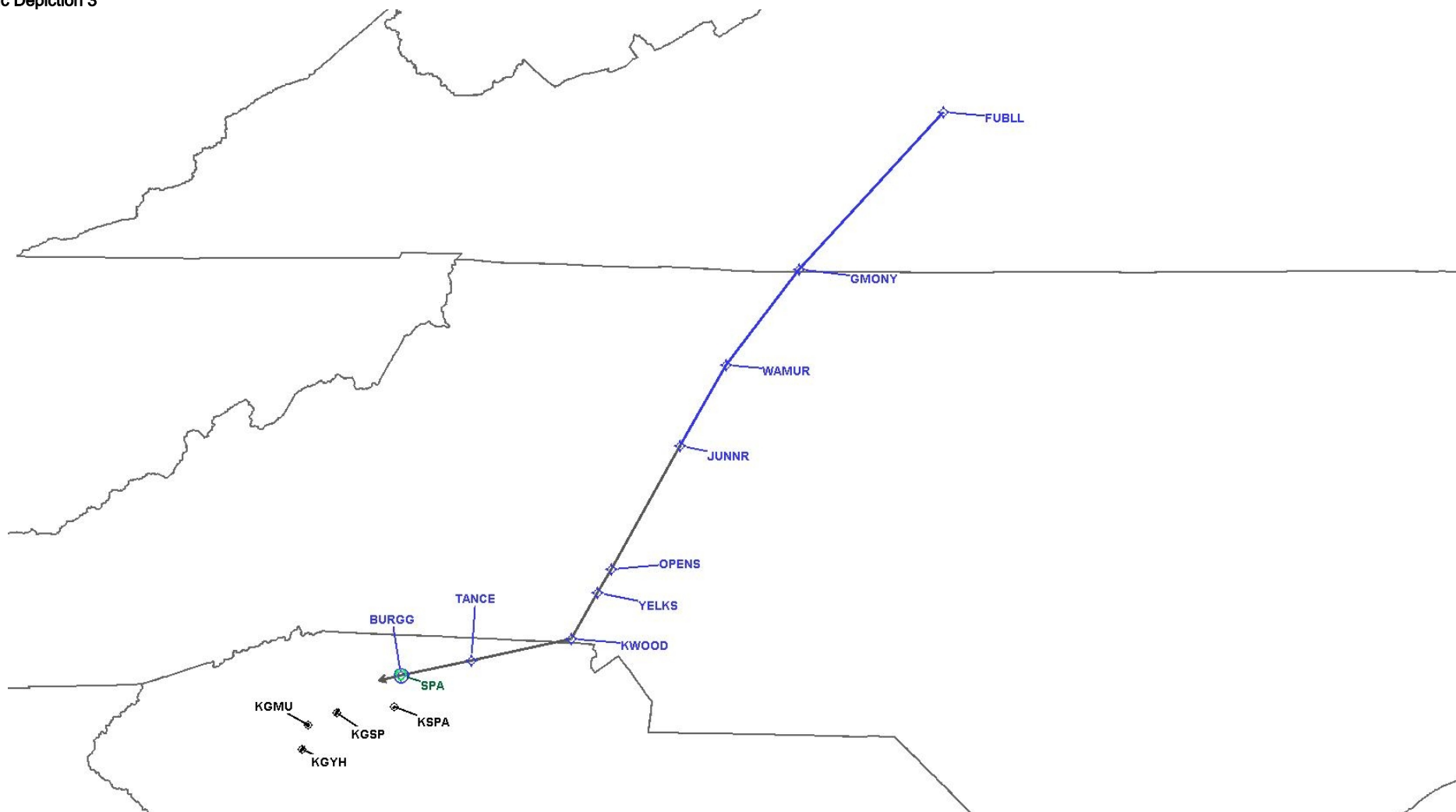
Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
JUNNR (RNAV)	FOUR	JUNNR.JUNNR4	THREE	04/25/2019	31 Oct 2024
Graphic Depiction 2					



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Graphic Depiction 3					



FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STAR (DATA RECORD)

Arrival Name JUNNR (RNAV)		Number FOUR		STAR Computer Code JUNNR.JUNNR4		Superseded Number THREE		Dated 04/25/2019	Effective Date 31 Oct 2024
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
FUBLL	370829.50N / 0792714.87W	Y		IF					FUBLL.JUNNR4
GMONY	363310.25N / 0800643.19W	Y	FB	TF	222.13	47.41			
WAMUR	361148.86N / 0802637.12W	Y	FB	TF	217.10	26.70			
JUNNR	355334.59N / 0803906.99W	Y	FB	TF	209.16	20.84			
Common Route									
JUNNR	355334.59N / 0803906.99W	Y		IF					JUNNR.JUNNR4
OPENS	352551.00N / 0805756.40W	Y	FB	TF	209.08	31.65			
YELKS	352032.84N / 0810143.76W	Y	FB	TF	210.35	06.13			
KWOOD	351018.87N / 0810859.61W	Y	FB	TF	210.25	11.82			
TANCE	350528.12N / 0813617.12W	Y	FB	TF	257.94	22.90			
BURGG	350200.55N / 0815536.86W	Y	FO	TF	257.81	16.24			
KGMU,KGSP,KGYH, KSPA				VM	257.81				

QUALITY  
14  
CHECKED