

**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.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>Arrival Name</u>	<u>Number</u>	<u>STAR Computer Code</u>	<u>Superseded Number</u>	<u>Dated</u>	<u>Effective Date</u>
UNMAN (RNAV)	FOUR	UNMAN.UNMAN4	THREE	09/15/2016	

TRANSITION ROUTES:

Transition Name	Transition Computer Code	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitude/Fixes
HOLSTON MOUNTAIN	HMV.UNMAN4	HMV VORTAC	BUSIC	192.30	44.84	11000			
		BUSIC	SUG VORTAC	192.24	17.27	11000			
LONDON	LOZ.UNMAN4	LOZ VOR/DME	TOMPS	137.71	27.00	FL180			
		TOMPS	WAOUT	137.96	19.00	FL180			
		WAOUT	BARRD	138.13	44.33	11000			
		BARRD	WEAKS	154.73	21.00	11000			
		WEAKS	SUG VORTAC	154.87	22.08	11000			
VOLUNTEER	VXV.UNMAN4	VXV VORTAC	YONTO	105.25	21.00	FL180			
		YONTO	SOT VORTAC	105.50	20.66	FL180			
		SOT VORTAC	OZONE	126.70	26.68	FL180			
		OZONE	SUG VORTAC	126.98	18.03	11000			

ARRIVAL ROUTE DESCRIPTION:

FROM SUG VORTAC ON TRACK 181.29/23.11 NM TO UNMAN (MEA 5700) THEN ON HEADING 181.29, EXPECT RADAR VECTORS.

PROCEDURAL DATA NOTES:

CHART NOTE: DME/DME/IRU OR GPS REQUIRED.

CHART NOTE: RNAV1.

CHART NOTE: RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.

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CHART NOTE: TURBOJET AND TURBOPROP AIRCRAFT ONLY.
CHART NOTE: AT SUG VORTAC EXPECT TO CROSS AT 11000.

FIXES AND/OR HOLDING PATTERNS:

COMMUNICATIONS:

GSP ATIS, APP CON.

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
GREENVILLE SPARTANBURG INTL	GREER	SC
GREENVILLE DOWNTOWN	GREENVILLE	SC
DONALDSON FIELD	GREENVILLE	SC
PICKENS COUNTY	PICKENS	SC
SPARTANBURG DOWNTOWN MEMORIAL/SIMPSON FIELD	SPARTANBURG	SC

LOST COMMUNICATIONS PREFERENCES:

REMARKS:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KGSP 06W/2000.
DME/DME ASSESSMENT: SAT (RNP 2.0)



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UNMAN (RNAV)	FOUR	UNMAN.UNMAN4	THREE	09/15/2016	

FLIGHT INSPECTED BY:
Processed IAW Aircraft Operations Group (AJW-33) Memo, October 3, 2018, Subject: Flight Inspection Review Not Required.

ORGANIZATION:

DATE:

Flight Inspected Signature:

Digitally signed by

MARK D ADAMS

Feb 22, 2019

DEVELOPED BY:

GEORGE TRAMMELL

AJV-A412

01/28/2019

Developed By Signature:

Digitally signed by

GEORGE H TRAMMELL

Feb 20, 2019

APPROVED BY:

LONNIE EVERHART

AJV-A410

Approved By Signature:

Digitally signed by

MARK D ADAMS

Feb 22, 2019

CHANGES:

AIRPORT NAME CHANGE FROM SPARTANBURG DOWNTOWN MEMORIAL TO SPARTANBURG DOWNTOWN MEMORIAL/SIMPSON FIELD.

REASONS:

ARPT MANAGER AND EFPT CONCURRENCE.

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UNMAN (RNAV)	FOUR	UNMAN.UNMAN4	THREE	09/15/2016	

Title:



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)**

Arrival Name			Number			STAR Computer Code		Superseded Number		Dated	Effective Date
UNMAN (RNAV)			FOUR			UNMAN.UNMAN4		THREE		09/15/2016	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
En Route Transition											
HMV VORTAC	362613.40N/0820746.56W	Y		IF					HMV.UNMAN4		
BUSIC	354135.33N/0821349.13W	Y	FB	TF	186.30	44.84					
SUG VORTAC	352423.42N/0821607.01W	Y	FB	TF	186.24	17.27			EXPECT TO CROSS AT 11000		
LOZ VOR/DME	370159.34N/0840636.27W	Y		IF					LOZ.UNMAN4		
TOMPS	364357.48N/0834131.69W	Y	FB	TF	131.71	27.00					
WAOUT	363112.99N/0832359.94W	Y	FB	TF	131.96	19.00					
BARRD	360119.28N/0824328.22W	Y	FB	TF	132.13	44.33					
WEAKS	354319.92N/0823004.97W	Y	FB	TF	148.73	21.00					
SUG VORTAC	352423.42N/0821607.01W	Y	FB	TF	148.87	22.08			EXPECT TO CROSS AT 11000		
VXV VORTAC	355417.41N/0835340.99W	Y		IF					VXV.UNMAN4		
YONTO	355051.86N/0832811.29W	Y	FB	TF	099.25	21.00					
SOT VORTAC	354724.36N/0830308.53W	Y	FB	TF	099.50	20.66					

QUALITY

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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
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OZONE	353342.63N/0823501.79W	Y	FB	TF	120.70	26.68			
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SUG VORTAC	352423.42N/0821607.01W	Y	FB	TF	120.98	18.03			EXPECT TO CROSS AT 11000
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Common Route:

SUG VORTAC	352423.42N/0821607.01W	Y		IF					EXPECT TO CROSS AT 11000
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UNMAN	350119.02N/0821348.50W	Y	FO	TF	175.29	23.11			
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					VM	175.29			
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