

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| Arrival Name OSPRI (RNAV) | Number SEVEN | STAR Computer Code TRTLS.OSPRI7 | Superseded Number SIX | Dated 01/05/2017 | Effective Date 05 NOV 2020 |
|-------------------------------------|------------------------|---|---------------------------------|----------------------------|--------------------------------------|

TRANSITION ROUTES:

| Transition Name | Transition Computer Codes | From FIX/NAVAID | To FIX/NAVAID | Course | Distance | MEA | MOCA | MAA | Crossing Altitudes / Fixes |
|-----------------|---------------------------|-----------------|---------------|--------|----------|-------|------|----------------|----------------------------|
| DEFFN | DEFFN.OSPRI7 | DEFFN | DEFFN | | | | | | |
| | | | WBODY | 151.87 | 24.77 | 11000 | 2100 | | |
| | | | BJETS | 152.40 | 16.92 | 11000 | 2200 | | |
| | | | GMAST | 153.16 | 13.47 | 11000 | 2100 | AT/ABOVE FL240 | |
| COLLIERS | IRQ.OSPRI7 | IRQ | TRTLS | 140.68 | 42.88 | 10000 | 1900 | | AT/ABOVE 10000 |
| | | | BEEFE | 117.44 | 20.06 | FL180 | 2400 | | AT/ABOVE FL240 |
| | | | BUBOO | 117.64 | 55.87 | 11000 | 2200 | | BETWEEN 11000 AND FL210 |
| OBNEE | OBNEE.OSPRI7 | OBNEE | TRTLS | 117.78 | 04.00 | 10000 | 1600 | | AT/ABOVE 10000 |
| | | | NALVE | 187.00 | 12.49 | 11000 | 2100 | | |
| | | | COINT | 187.41 | 33.46 | 11000 | 2600 | | |
| | | | COBDA | 195.74 | 38.27 | 11000 | 1800 | | |
| UNJAM | UNJAM.OSPRI7 | UNJAM | NINJA | 157.24 | 03.47 | 11000 | 1600 | | BETWEEN 11000 AND FL220 |
| | | | TRTLS | 157.26 | 04.00 | 10000 | 1600 | | AT/ABOVE 10000 |
| | | | COBDA | 183.93 | 52.45 | 11000 | 3100 | | |
| UNJAM | UNJAM.OSPRI7 | UNJAM | NINJA | 157.24 | 03.47 | 11000 | 1600 | | BETWEEN 11000 AND FL220 |
| | | | TRTLS | 157.26 | 04.00 | 10000 | 1600 | | AT/ABOVE 10000 |

ARRIVAL ROUTE DESCRIPTION:

KCHS: FROM TRTLS ON TRACK 118.86/15.47 TO OSPRI.

LANDING KCHS RWY 3: FROM OSPRI ON TRACK 161.13/5.51 TO CROSS AALEX BETWEEN 5000 AND 10000 AND AT 250 KIAS, THEN ON TRACK 162.91/12.31 TO CROSS RECHY AT 4000 AND AT 210 KIAS, THEN ON HEADING 125.00 OR AS ASSIGNED BY ATC. EXPECT RNP RWY 3 APPROACH. NON-RNP AIRCRAFT: EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KCHS RWY 15: FROM OSPRI ON TRACK 097.65/8.66 TO CROSS LUTHR AT OR ABOVE 4000. EXPECT ILS OR LOC RWY 15 APPROACH.

LANDING KCHS RWY 21: FROM OSPRI ON TRACK 097.65/8.66 TO CROSS LUTHR AT OR ABOVE 4000, THEN ON TRACK 137.25/9.85 TO CROSS MYERS AT 3000, THEN ON HEADING 137.25 OR AS ASSIGNED BY ATC. EXPECT RNP RWY 21 APPROACH. NON-RNP AIRCRAFT: EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KCHS RWY 33: FROM OSPRI ON TRACK 148.25/6.58 TO CROSS PAMJE BETWEEN 5000 AND 10000 AND AT 250 KIAS, THEN ON TRACK 149.08/11.26 TO CROSS LLEXI AT OR ABOVE 5000 AND AT 210 KIAS, THEN ON TRACK 149.01/4.50 TO CROSS JAARD AT 4000 AND AT 210 KIAS, THEN ON HEADING 149.01 OR AS ASSIGNED BY ATC. EXPECT RNP RWY 33 APPROACH. NON-RNP AIRCRAFT: EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KJZI: FROM TRTLS ON TRACK 118.86/15.47 TO OSPRI, THEN ON TRACK 174.36/4.68 TO CROSS NKLSS BETWEEN 5000 AND 10000, THEN ON TRACK 174.32/13.66 TO CLFTN, THEN ON TRACK 174.35/6.57 TO CROSS JACKE AT 4000 AND AT 210 KIAS, THEN ON HEADING 174.35 OR AS ASSIGNED BY ATC. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.



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|---------------------|--------------|---------------------|-------------------|-------------------|--------------------|
| OSPRI (RNAV) | SEVEN | TRTLS.OSPRI7 | SIX | 01/05/2017 | 05 NOV 2020 |

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED

NOTE: RNAV 1

NOTE: DME/DME/IRU OR GPS REQUIRED

NOTE: TURBOJET AIRCRAFT ONLY

NOTE: MONITOR ATIS FOR LANDING RUNWAY.

NOTE: EXPECT RUNWAY ASSIGNMENT FROM CHARLESTON APPROACH CONTROL ON INITIAL CONTACT.

LANDING KCHS:

RWY 3: EXPECT RADAR VECTORS TO FINAL APPROACH COURSE PRIOR TO RECHY.

RWY 15: EXPECT ILS OR LOC RWY 15.

RWY 21: EXPECT RADAR VECTORS TO FINAL APPROACH COURSE PRIOR TO MYERS.

RWY 33: EXPECT RADAR VECTORS TO FINAL APPROACH COURSE PRIOR TO JAARD.

LANDING KJZI:

EXPECT RADAR VECTORS TO FINAL APPROACH COURSE PRIOR TO CLFTN.

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT BUBOO: HOLD NW, RT, 117.78 INBOUND, 10 NM LEGS.

CHART HOLDING AT NINJA: HOLD NW, LT, 157.26 INBOUND, 10 NM LEGS.

CHART HOLDING AT TRTLS: HOLD NW, LT, 140.68 INBOUND, 10 NM LEGS.

COMMUNICATIONS:

CHARLESTON APP CON, CHARLESTON ATIS, CHARLESTON EXECUTIVE AWOS-3.

AIRPORTS SERVED:

CHARLESTON AFB/INTL, CHARLESTON, SC (KCHS)

CHARLESTON EXECUTIVE, CHARLESTON, SC (KJZI)

LOST COMMUNICATIONS PROCEDURE:REMARKS:ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)

REFERENCE MAGNETIC VARIATION = KCHS 07W/2010

DO NOT CHART MOCAs.

CHART AT MYERS TERMINUS: KCHS LDG RWY 21

CHART AT LUTHR TERMINUS: KCHS LDG RWY 15



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| CHART AT JAARD TERMINUS: KCHS LDG RWY 33 | | | | | |
| CHART AT RECHY TERMINUS: KCHS LDG RWY 3 | | | | | |
| CHART AT JACKE TERMINUS: LDG KJZI | | | | | |

| <u>FLIGHT INSPECTED BY:</u> | | | | <i>Digitally signed by</i> | |
|-----------------------------|--------------|------------|--|----------------------------|-----------|
| JEFFREY ECKMAN | FICO | 07/16/2020 | | DAVID DANNER | |
| Name | Organization | Date | | Jul 20, 2020 | Signature |
| <u>DEVELOPED BY:</u> | | | | <i>Digitally signed by</i> | |
| DAN POWELL | AJV-A442 | 02/04/2020 | | DAVID DANNER | |
| Name | Organization | Date | | Jul 20, 2020 | Signature |
| <u>APPROVED BY:</u> | | | | <i>Digitally signed by</i> | |
| PAT MULQUEEN | AJV-A440 | | | DAVID DANNER | |
| Name | Organization | Date | | Jul 20, 2020 | Signature |

- CHANGES:
1. REMOVED "ATC ASSIGNED ONLY" NOTE FROM OBNEE TRANSITION.
 2. LLEXI MOVED 1.22 NM NW.
 3. 210 KIAS RESTRICTION ADDED AT LLEXI.
 4. 210 KIAS RESTRICTION ADDED AT JAARD.
 5. 210 KIAS RESTRICTION ADDED AT RECHY.
 6. HOLII AND GMCKS REMOVED FROM RWY 33 TRANSITION.
 7. RWY TRANSITIONS TO KJZI DELETED AND REPLACED WITH SINGLE COMMON ROUTE.
 8. ROUTE TERMINUS INFORMATION ADDED.
 9. PLANNING NOTE FOR LANDING KZJI CHANGED: FROM JACKE (R4/9) AND JAISN (R27) TO CLFTN.
 10. MEAs REMOVED FROM COMMON AND RUNWAY ARRIVAL ROUTES.
 11. MOCAs REMOVED FROM ALL ROUTES.
 12. ARRIVAL ROUTE DESCRIPTIONS AMENDED TO PROVIDE INFORMATION TO RNP AND NON-RNP AIRCRAFT.
 13. PLANNING NOTE FOR KCHS RWY 33 POINT GMCKS CHANGED TO JAARD.
 14. 210 KIAS RESTRICTION ADDED AT JACKE.
 15. ADDED CROSS AT 250 KIAS FOR FIXES AALEX AND PAMJE.
 16. ADDED DO NOT CHART MOCAS.

- REASONS:
1. IMPROVE PROCEDURE UTILITY.
 2. FACILITATE DESCENT.
 - 3-5. FACILITATE RNP APPROACH.



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- 7. IAW 8260.3D STAR CRITERIA.
- 8. ORDER 8260.19H,4-5-1.b.(8)(b).
- 9. RUNWAY TRANSITIONS DELETED.
- 10. ORDER 8260.3D 2-2-7.e.(3).
- 11. REDUCE CHART CLUTTER.
- 12. ORDER 8260.19H 4-5-1.b.(9).
- 13. GMCKS REMOVED FROM RWY ARRIVAL ROUTE.
- 14-16. ATC REQUEST.

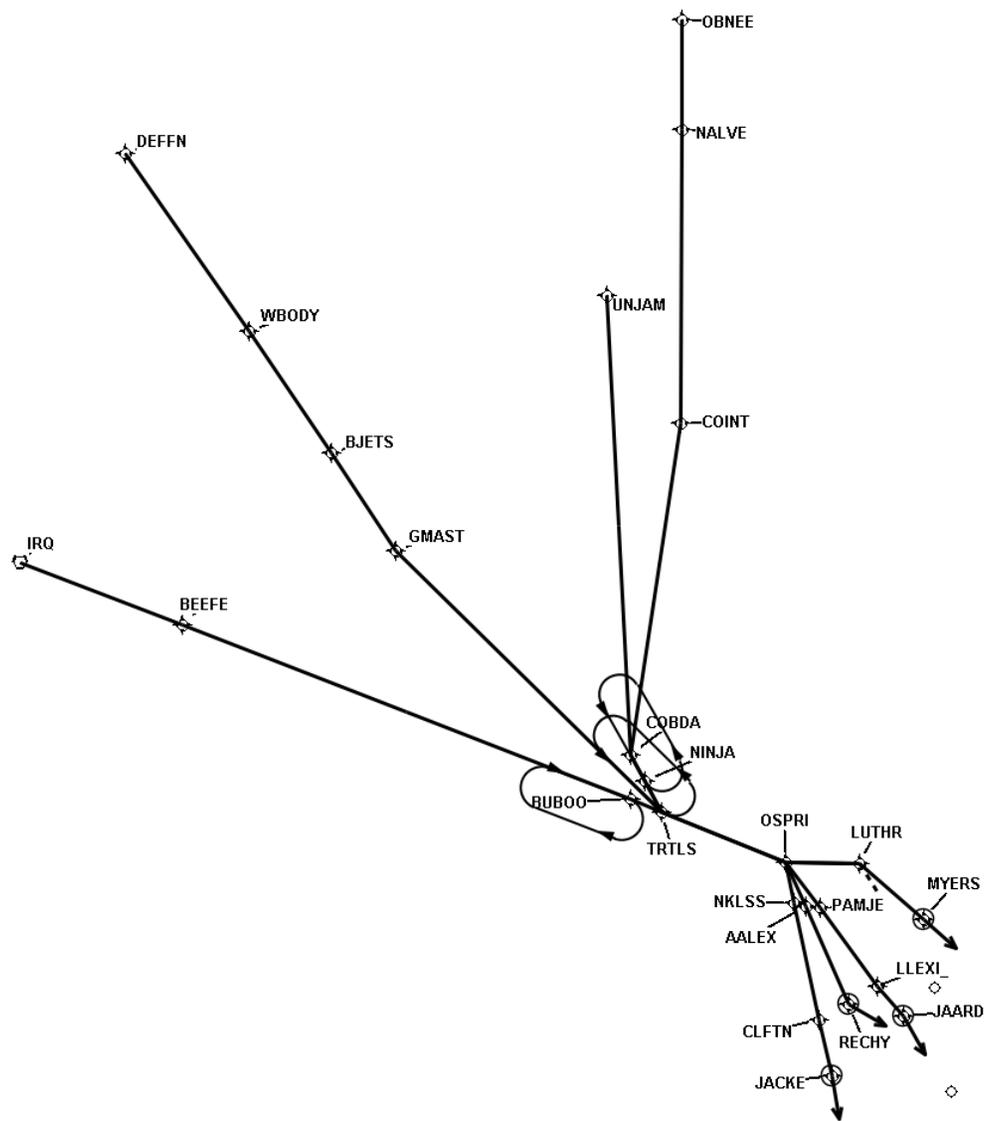


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Graphic Depiction 1



FEDERAL AVIATION ADMINISTRATION
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 STAR (DATA RECORD)

| | | | | | |
|-------------------------------------|------------------------|---|---------------------------------|----------------------------|--------------------------------------|
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|-------------------------------------|------------------------|---|---------------------------------|----------------------------|--------------------------------------|

| FIX/NAVAID | LAT/LONG | C | FO/FB | LEG TYPE | TC | DIST (NM) | ALTITUDE | SPEED | REMARKS |
|----------------------------|--------------------------|---|-------|----------|--------|-----------|----------------|-------|--------------|
| En Route Transition | | | | | | | | | |
| DEFFN | 342913.42N / 0815505.64W | Y | | IF | | | | | DEFFN.OSPRI7 |
| WBODY | 340854.39N / 0813755.13W | Y | FB | TF | 144.87 | 24.77 | | | |
| BJETS | 335456.62N / 0812622.47W | Y | FB | TF | 145.40 | 16.92 | | | |
| GMAST | 334343.75N / 0811722.73W | Y | FB | TF | 146.16 | 13.47 | AT/ABOVE FL240 | | |
| TRTLS | 331358.36N / 0804024.51W | Y | FB | TF | 133.68 | 42.88 | AT/ABOVE 10000 | | |

| | | | | | | | | | |
|----------------------------|--------------------------|---|----|----|--------|-------|----------------|--|------------|
| En Route Transition | | | | | | | | | |
| IRQ | 334226.47N / 0820943.43W | Y | | IF | | | | | IRQ.OSPRI7 |
| BEEFE | 333523.29N / 0814713.25W | Y | FB | TF | 110.44 | 20.06 | AT/ABOVE FL240 | | |
| BUBOO | 331523.73N / 0804452.03W | Y | FB | TF | 110.64 | 55.87 | 11000BFL210 | | |
| TRTLS | 331358.36N / 0804024.51W | Y | FB | TF | 110.78 | 04.00 | AT/ABOVE 10000 | | |

| | | | | | | | | | |
|----------------------------|--------------------------|---|----|----|--------|-------|----------------|--|--------------|
| En Route Transition | | | | | | | | | |
| OBNEE | 344424.20N / 0803735.92W | Y | | IF | | | | | OBNEE.OSPRI7 |
| NALVE | 343153.79N / 0803735.98W | Y | FB | TF | 180.00 | 12.49 | | | |
| COINT | 335822.47N / 0803753.43W | Y | FB | TF | 180.41 | 33.46 | | | |
| COBDA | 332028.27N / 0804449.72W | Y | FB | TF | 188.74 | 38.27 | | | |
| NINJA | 331727.17N / 0804246.44W | Y | FB | TF | 150.24 | 03.47 | 11000BFL220 | | |
| TRTLS | 331358.36N / 0804024.51W | Y | FB | TF | 150.26 | 04.00 | AT/ABOVE 10000 | | |

| | | | | | | | | | |
|----------------------------|--------------------------|---|----|----|--------|-------|----------------|--|--------------|
| En Route Transition | | | | | | | | | |
| UNJAM | 341256.50N / 0804810.81W | Y | | IF | | | | | UNJAM.OSPRI7 |
| COBDA | 332028.27N / 0804449.72W | Y | FB | TF | 176.93 | 52.45 | | | |
| NINJA | 331727.17N / 0804246.44W | Y | FB | TF | 150.24 | 03.47 | 11000BFL220 | | |
| TRTLS | 331358.36N / 0804024.51W | Y | FB | TF | 150.26 | 04.00 | AT/ABOVE 10000 | | |



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| | | | | | |
|------------------------------|-----------------|------------------------------------|--------------------------|---------------------|-------------------------------|
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|------------------------------|-----------------|------------------------------------|--------------------------|---------------------|-------------------------------|

| FIX/NAVAID | LAT/LONG | C | FO/FB | LEG TYPE | TC | DIST (NM) | ALTITUDE | SPEED | REMARKS |
|---------------------|--------------------------|---|-------|----------|--------|-----------|----------------|-------|--------------|
| Common Route | | | | | | | | | |
| TRTLS | 331358.36N / 0804024.51W | Y | | IF | | | AT/ABOVE 10000 | | TRTLS.OSPRI7 |
| OSPRI | 330810.88N / 0802318.42W | Y | FB | TF | 111.86 | 15.47 | | | |

| | | | | | | | | | |
|---------------------|--------------------------|---|----|----|--------|-------|----------------|---------|--------------|
| Common Route | | | | | | | | | |
| TRTLS | 331358.36N / 0804024.51W | Y | | IF | | | AT/ABOVE 10000 | | TRTLS.OSPRI7 |
| OSPRI | 330810.88N / 0802318.42W | Y | FB | TF | 111.86 | 15.47 | | | |
| NKLSS | 330336.26N / 0802205.28W | Y | FB | TF | 167.36 | 04.68 | 5000B10000 | | |
| CLFTN | 325015.27N / 0801831.86W | Y | FB | TF | 167.32 | 13.66 | | | |
| JACKE | 324349.94N / 0801649.56W | Y | FO | TF | 167.35 | 06.57 | AT 4000 | AT 210K | |
| KJZI | | | | VM | 167.35 | | | | |

| | | | | | | | | | |
|--------------------------|--------------------------|---|----|----|--------|-------|------------|---------|--|
| Runway Transition | | | | | | | | | |
| OSPRI | 330810.88N / 0802318.42W | Y | | IF | | | | | |
| AALEX | 330312.77N / 0802026.77W | Y | FB | TF | 154.13 | 05.51 | 5000B10000 | AT 250K | |
| RECHY | 325157.02N / 0801428.80W | Y | FO | TF | 155.91 | 12.31 | AT 4000 | AT 210K | |
| KCHS:RWY 3 | | | | VM | 118.00 | | | | |

| | | | | | | | | | |
|--------------------------|--------------------------|---|----|----|--------|-------|---------------|--|--|
| Runway Transition | | | | | | | | | |
| OSPRI | 330810.88N / 0802318.42W | Y | | IF | | | | | |
| LUTHR | 330804.55N / 0801259.62W | Y | FB | TF | 090.65 | 08.66 | AT/ABOVE 4000 | | |
| KCHS:RWY 15 | | | | | | | | | |

| | | | | | | | | | |
|--------------------------|--------------------------|---|----|----|--------|-------|---------------|--|--|
| Runway Transition | | | | | | | | | |
| OSPRI | 330810.88N / 0802318.42W | Y | | IF | | | | | |
| LUTHR | 330804.55N / 0801259.62W | Y | FB | TF | 090.65 | 08.66 | AT/ABOVE 4000 | | |
| MYERS | 330141.46N / 0800402.96W | Y | FO | TF | 130.25 | 09.85 | AT 3000 | | |
| KCHS:RWY 21 | | | | VM | 130.25 | | | | |