

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.

| Arrival Name | Number | STAR Computer Code | Superseded Number | Dated | Effective Date |
|---------------------|-------------|---------------------|-------------------|-------------------|------------------|
| RKSTR (RNAV) | FOUR | PEHTY.RKSTR4 | THREE | 07/14/2022 | 31OCT2024 |

TRANSITION ROUTES:

| Transition Name | Transition Computer Codes | From FIX/NAVAID | To FIX/NAVAID | Course | Distance | MEA | MOCA | MAA | Crossing Altitudes / Fixes |
|-----------------|---------------------------|-----------------|---------------|--------|----------|-------|-------|-----|----------------------------|
| ELLDA | ELLDA.RKSTR4 | ELLDA | ELLDA | | | | | | |
| | | | JJEAN | 309.44 | 23.78 | 14000 | 9700 | | |
| | | | PEHTY | 309.26 | 36.02 | 9000 | 8500 | | BETWEEN 14000 AND 16000 |
| HAHAA | HAHAA.RKSTR4 | HAHAA | HAHAA | | | | | | |
| | | | KWEAN | 267.82 | 50.86 | FL200 | 12500 | | |
| | | | STYYX | 267.23 | 30.00 | 14000 | 9200 | | BETWEEN FL200 AND FL240 |
| | | | PEHTY | 270.43 | 32.72 | 14000 | 8900 | | BETWEEN 14000 AND 16000 |
| SQIRE | SQIRE.RKSTR4 | SQIRE | SQIRE | | | | | | |
| | | | VEDDR | 244.96 | 49.37 | FL200 | 9900 | | |
| | | | STYYX | 244.39 | 44.50 | 14000 | 9300 | | BETWEEN FL200 AND FL240 |
| | | | PEHTY | 270.43 | 32.72 | 14000 | 8900 | | BETWEEN 14000 AND 16000 |

ARRIVAL ROUTE DESCRIPTION:

FROM PEHTY ON TRACK 287.52/10.06 TO RKSTR.

LANDING RWY 1L/R, 8L/R: FROM RKSTR ON TRACK 251.53/10.30 TO CROSS LEEEW AT OR ABOVE 14000 AND AT 250 KIAS, THEN ON TRACK 251.41/19.69 TO CROSS JAIDE AT OR BELOW 13000, THEN ON TRACK 208.53/11.36 TO CROSS SHEEN AT OR ABOVE 12000, THEN ON TRACK 208.45/7.00 TO NEETL, THEN ON TRACK 259.17/7.75 TO CROSS CAMMP AT 10000 AND AT 210 KIAS, THEN ON TRACK 338.08/6.64 TO CROSS BUGSS AT 9000, THEN ON TRACK 001.06/5.45 TO CROSS VANDL AT 9000, THEN ON TRACK 001.06. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 19L/R: FROM RKSTR ON TRACK 347.07/6.40 TO CROSS GROLL AT OR BELOW 11000, THEN ON TRACK 347.07/10.24 TO CROSS FEREL AT OR ABOVE 10000 AND AT 250 KIAS, THEN ON TRACK 305.53/6.38 TO CROSS JOVII AT 10000, THEN ON TRACK 261.72/10.25 TO CROSS FELAA AT 9200, THEN ON TRACK 240.41/9.76 TO CROSS BOOOO AT 7000 AND AT 230 KIAS, THEN ON TRACK 240.30/3.00 TO NNEON, THEN ON TRACK 262.58/1.79 TO CROSS PPENN AT 6000 AND AT 190 KIAS, THEN ON TRACK 262.58. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 26L: FROM RKSTR ON TRACK 296.54/11.66 TO CROSS HUXLY BETWEEN 10000 AND 13000 AND AT 250 KIAS, THEN ON TRACK 296.19/7.99 TO CROSS HAYLN AT OR BELOW 9000, THEN ON TRACK 290.22/4.13 TO CROSS PRINO AT 8000 AND AT 210 KIAS. EXPECT ILS OR LOC RWY 26L APPROACH.

LANDING RWY 26R: FROM RKSTR ON TRACK 296.54/11.66 TO CROSS HUXLY BETWEEN 10000 AND 13000 AND AT 250 KIAS, THEN ON TRACK 296.19/7.99 TO CROSS HAYLN AT OR BELOW 9000, THEN ON TRACK 291.55/4.28 TO CROSS FLYES AT 8000 AND AT 210 KIAS. EXPECT ILS OR LOC RWY 26R APPROACH.

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED

PROCEDURAL DATA NOTES:

NOTE: JET AIRCRAFT ONLY

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT JJEAN: HOLD SE, LT, 309.44 INBOUND, 11 NM LEGS.

CHART HOLDING AT KWEAN: HOLD E, LT, 267.82 INBOUND, 11 NM LEGS.

CHART HOLDING AT PEHTY: HOLD E, LT, 287.52 INBOUND, 10 NM LEGS.

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CHART HOLDING AT SQIRE: HOLD NE, LT, 244.96 INBOUND, 12 NM LEGS.

CHART HOLDING AT STYYX: HOLD E, LT, 267.23 INBOUND, 11 NM LEGS.

CHART HOLDING AT VEDDR: HOLD NE, RT, 244.96 INBOUND, 11 NM LEGS.

COMMUNICATIONS:

CHART: LAS APP CON.

CHART: LAS TOWER.

AIRPORTS SERVED:

| <u>AIRPORT ID</u> | <u>CITY</u> | <u>STATE</u> |
|-------------------|-------------|--------------|
| LAS | LAS VEGAS | NV |

LOST COMMUNICATIONS PREFERENCES:

LANDING RWYS 1L/R, 8L/R: AT VANDL PROCEED ON THE RNAV (GPS) RWY 1R APPROACH, IF UNABLE MAINTAIN 8100 DIRECT BLD VORTAC AND THEN ON THE ILS OR LOC RWY 26L APPROACH.

LANDING RWYS 19L: AT PPENN PROCEED ON THE RNAV (RNP) RWY 19L APPROACH, IF UNABLE, PROCEED VIA LAST TRACK TO INTERCEPT THE FINAL APPROACH COURSE; IF UNABLE, MAINTAIN 7000 DIRECT LAS VORTAC THEN DIRECT BLD VORTAC AND THEN ON THE ILS OR LOC RWY 26L APPROACH.

REMARKS:

MEAs ABOVE FL180 NEEDED TO MITIGATE CRITICAL DMEs AND INSURE ADEQUATE SIGNAL COVERAGE FOR DME/DME/IRU NAVIGATION.

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)

MAG VAR: KLAS 11E/2020

CHART AT FLYES TERMINUS: LDG RWY 26R

CHART AT PRINO TERMINUS: LDG RWY 26L

CHART AT PPENN TERMINUS: LDG RWYS 19L/R

CHART AT VANDL TERMINUS: LDG RWYS 1L/R, 8L/R

FLIGHT INSPECTED BY:

ORGANIZATION: **DATE:**

GARY J VEER

FPO

08/22/2024

Flight Inspected Signature:

Digitally signed by

ROBERT G HAMILTON

Aug 29, 2024

DEVELOPED BY:

SEAN ROZENBERG, SUPPORT MANAGER FOR
AIRSPACE & PROCEDURES

LOS ANGELES
ARTCC

01/05/2024

Developed By Signature:

Digitally signed by

ROBERT G HAMILTON

Aug 29, 2024

APPROVED BY:

BEV BORDY

AJV-A430

Approved By Signature:

Digitally signed by

ROBERT G HAMILTON

Aug 29, 2024

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CHANGES:

1. LOWERED MEA ELLDA TO JJEAN FROM FL220 TO 14000.
2. LOWERED MEA SQIRE TO VEDDR FROM FL240 TO FL200.
3. LOWERED MEA VEDDR TO STYYX FROM FL220 TO 14000.
4. LOWERED MEA HAHAA TO KWEAN FROM FL240 TO FL200.
5. LOWERED MEA KWEAN TO STYYX FROM FL220 TO 14000.
6. LOWERED MEA JJEAN TO PEHTY FROM 14000 TO 9000.
7. RAISED MOCA STYYX TO PEHTY FROM 8800 TO 8900.
8. DELETED CROSSING RESTRICTION AT JJEAN.
9. CHANGED RESTRICTION AT PEHTY FROM BETWEEN 14000 AND FL190 TO BETWEEN 14000 AND 16000.
10. CHANGED RESTRICTION AT STYYX FROM BETWEEN FL220 AND FL260 TO BETWEEN FL200 AND FL240.
11. CHANGED RESTRICTION AT FELAA FROM BETWEEN 8500 AND 11000 TO AT 9200.
12. CHANGED FIX NAME FOOOF TO BOOOO.
13. CHANGED SPEED RESTRICTION AT PPENN FROM AT 210 KIAS TO AT 190 KIAS.
14. RWYs 1R, 1L, 8L/R, RUNWAY TRANSITIONS CHANGED TO A SINGLE TRANSITION: RKSTR-LEEEW-JAIDE-SHEEN-NEETL-CAMMP-BUGSS-VANDL: "LANDING RWY 1L/R, 8L/R: FROM RKSTR ON TRACK 251.53/10.30 TO CROSS LEEEW AT OR ABOVE 14000 AND AT 250 KIAS, THEN ON TRACK 251.41/19.69 TO CROSS JAIDE AT OR BELOW 13000, THEN ON TRACK 208.53/11.36 TO CROSS SHEEN AT OR ABOVE 12000, THEN ON TRACK 208.45/7.00 TO NEETL, THEN ON TRACK 259.17/7.75 TO CROSS CAMMP AT 10000 AND AT 210 KIAS, THEN ON TRACK 338.08/6.64 TO CROSS BUGSS AT 9000, THEN ON TRACK 001.06/5.45 TO CROSS VANDL AT 9000, THEN ON TRACK 001.06. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE."
15. WAYPOINTS MAHNA, TUUTH, BUHLL, FEBET, TRREY, YAGGR DELETED FROM PROCEDURE.
16. REMOVED LETTER K FROM AIRPORT IDENT AND CITY NAME FROM AIRPORTS SERVED.
17. REVISED LOST COMMUNICATIONS PREFERENCES.
18. REMOVED BANK ANGLE REMARKS.
19. ADDED HOLDING AT SQUIRE.
20. REVISED ALL OTHER ARRIVAL DESCRIPTIONS WITH NEW/ REMOVED WP'S/CROSSING RESTRICTIONS.

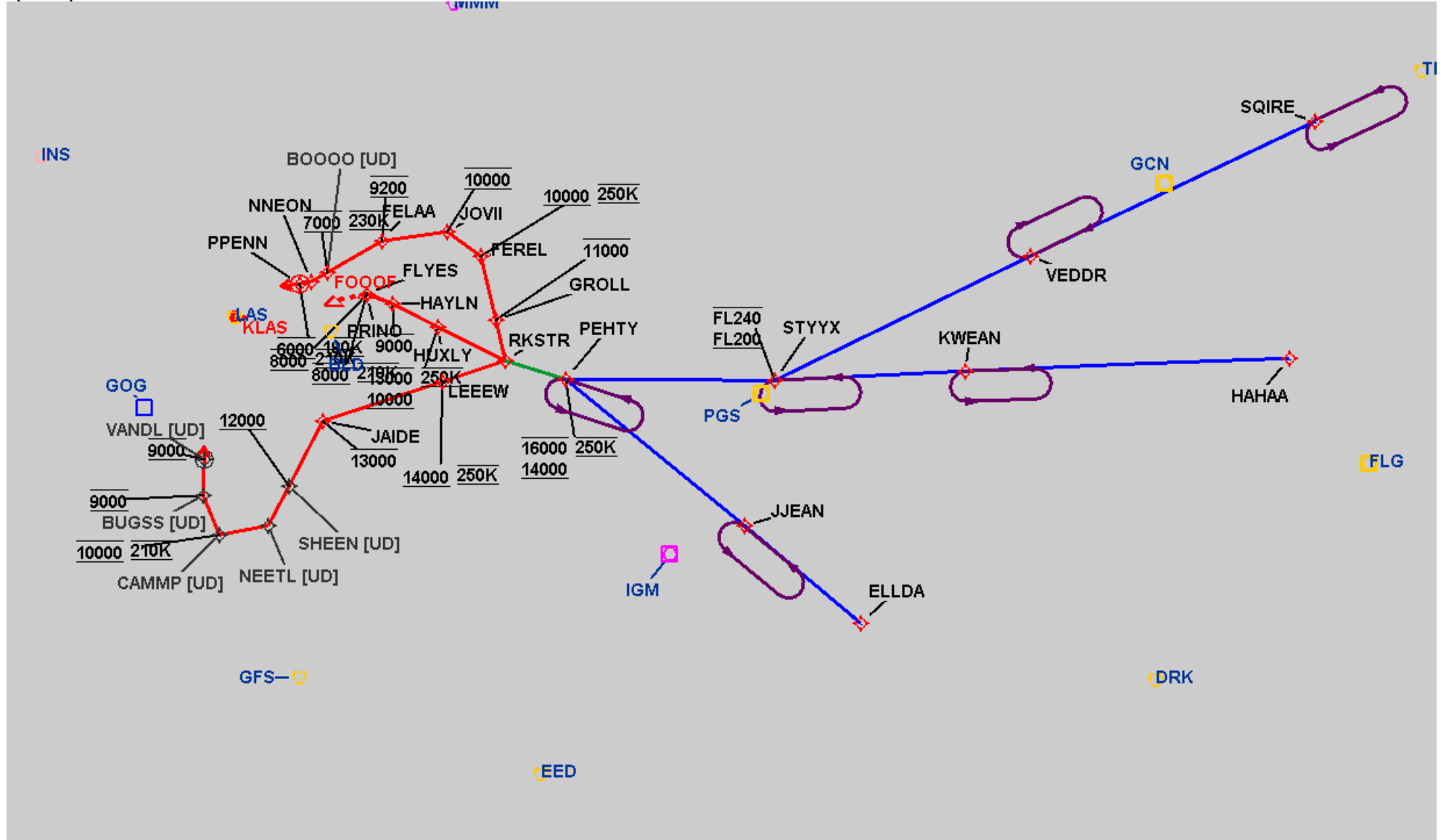
REASONS:

- 1-6. NEW ESVs ALLOW FOR LOWER MEAs FOR DME/DME/IRU NAVIGATION.
7. UPDATED OBSTACLE/TERRAIN EVALUATION.
8. ATC REQUEST. NO LONGER NEEDED.
- 9-11. ATC REQUEST. FACILITATES ARRIVAL SEQUENCING.
12. ATC REQUEST. SIMILAR SOUNDING FIX NAME IN TERMINAL AREA.
13. ATC/INDUSTRY REQUEST. EXPECTED TO RESULT IN REDUCTION IN GO-AROUNDS LANDING RWYs 19L/R.
14. ATC REQUEST. FACILITATES BLENDING ARRIVALS TO RWYs 1L/R AND 8L/R FROM OTHER DIRECTIONS.
15. NO LONGER USED ON RUNWAY TRANSITIONS TO RWYs 1L/R AND 8L/R.
16. CURRENT DOCUMENTATION STANDARDS.
17. LANGUAGE UPDATED TO CURRENT DOCUMENTATION STANDARDS.
18. NEW EVALUATION, BANK ANGLE NOT NEEDED.
19. ATC REQUEST.
20. UPDATED WPs AND CROSSING RESTRICTIONS INCORPORATED INTO ARRIVAL DESCRIPTIONS.

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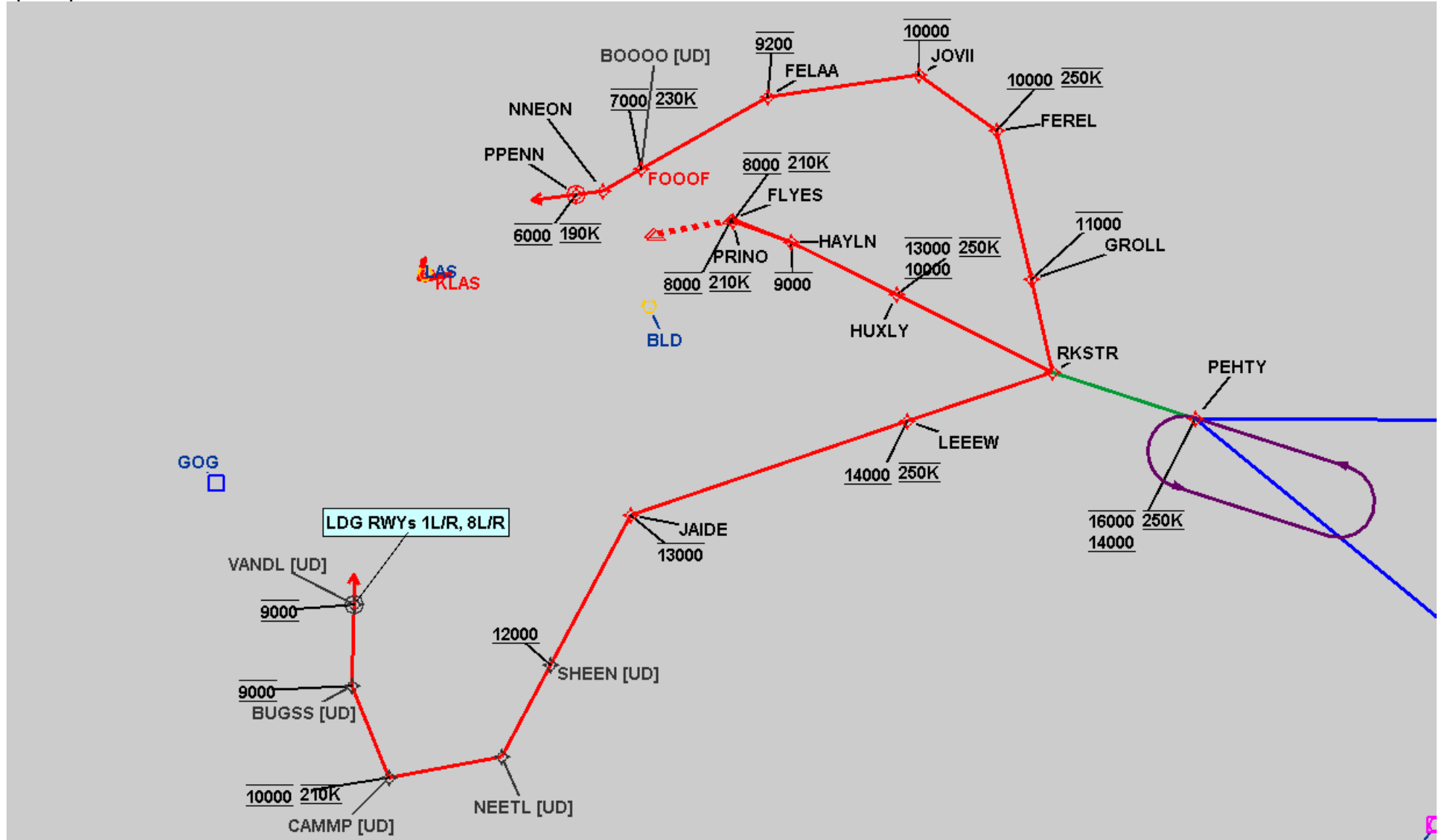
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| Graphic Depiction 1 | | | | | |



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| Graphic Depiction 2 | | | | | |



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

| Arrival Name RKSTR (RNAV) | Number FOUR | STAR Computer Code PEHTY.RKSTR4 | | Superseded Number THREE | | Dated 07/14/2022 | Effective Date 31OCT2024 | | |
|------------------------------|--------------------------|------------------------------------|-------|----------------------------|--------|---------------------|-----------------------------|---------|--------------|
| FIX/NAVAID | LAT/LONG | C | FO/FB | LEG TYPE | TC | DIST (NM) | ALTITUDE | SPEED | REMARKS |
| En Route Transition | | | | | | | | | |
| ELLDA | 345929.20N / 1132223.58W | Y | | IF | | | | | ELLDA.RKSTR4 |
| JJEAN | 351749.38N / 1134053.56W | Y | FB | TF | 320.44 | 23.78 | | | |
| PEHTY | 354530.55N / 1140911.11W | Y | FB | TF | 320.26 | 36.02 | 14000B16000 | AT 250K | |
| En Route Transition | | | | | | | | | |
| HAHAA | 352721.83N / 1115143.96W | Y | | IF | | | | | HAHAA.RKSTR4 |
| KWEAN | 353454.90N / 1125320.97W | Y | FB | TF | 278.82 | 50.86 | | | |
| STYYX | 353907.31N / 1132946.63W | Y | FB | TF | 278.23 | 30.00 | FL200BFL240 | | |
| PEHTY | 354530.55N / 1140911.11W | Y | FB | TF | 281.43 | 32.72 | 14000B16000 | AT 250K | |
| En Route Transition | | | | | | | | | |
| SQIRE | 360247.78N / 1113801.41W | Y | | IF | | | | | SQIRE.RKSTR4 |
| VEDDR | 355033.69N / 1123656.11W | Y | FB | TF | 255.96 | 49.37 | | | |
| STYYX | 353907.31N / 1132946.63W | Y | FB | TF | 255.39 | 44.50 | FL200BFL240 | | |
| PEHTY | 354530.55N / 1140911.11W | Y | FB | TF | 281.43 | 32.72 | 14000B16000 | AT 250K | |
| Common Route | | | | | | | | | |
| PEHTY | 354530.55N / 1140911.11W | Y | | IF | | | 14000B16000 | AT 250K | PEHTY.RKSTR4 |
| RKSTR | 355018.66N / 1142003.23W | Y | FB | TF | 298.52 | 10.06 | | | |
| Runway Transition | | | | | | | | | |
| RKSTR | 355018.66N / 1142003.23W | Y | | IF | | | | | |
| LEEEW | 354857.56N / 1143236.66W | Y | FB | TF | 262.53 | 10.30 | AT/ABOVE 14000 | AT 250K | |
| JAIDE | 354618.84N / 1145636.11W | Y | FB | TF | 262.41 | 19.69 | AT/BELOW 13000 | | |
| SHEEN | 353731.82N / 1150528.53W | Y | FB | TF | 219.53 | 11.36 | AT/ABOVE 12000 | | |
| NEETL | 353206.88N / 1151055.51W | Y | FB | TF | 219.45 | 07.00 | | | |
| CAMMP | 353207.87N / 1152025.26W | Y | FB | TF | 270.17 | 07.75 | AT 10000 | AT 210K | |
| BUGSS | 353839.82N / 1152157.93W | Y | FB | TF | 349.08 | 06.64 | AT 9000 | | |

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

| Arrival Name RKSTR (RNAV) | | Number FOUR | | STAR Computer Code PEHTY.RKSTR4 | | Superseded Number THREE | | Dated 07/14/2022 | Effective Date 31OCT2024 |
|----------------------------------|--------------------------|----------------|-------|------------------------------------|--------|----------------------------|----------------|---------------------|-----------------------------|
| FIX/NAVAID | LAT/LONG | C | FO/FB | LEG TYPE | TC | DIST (NM) | ALTITUDE | SPEED | REMARKS |
| VANDL | 354400.03N / 1152033.99W | Y | FO | TF | 012.06 | 05.45 | AT 9000 | | |
| KLAS:RWY 1L,RWY 1R,RWY 8L,RWY 8R | | | | FM | 012.06 | | | | |
| Runway Transition | | | | | | | | | |
| RKSTR | 355018.66N / 1142003.23W | Y | | IF | | | | | |
| GROLL | 355643.01N / 1142019.17W | Y | FB | TF | 358.07 | 06.40 | AT/BELOW 11000 | | |
| FEREL | 360657.99N / 1142044.76W | Y | FB | TF | 358.07 | 10.24 | AT/ABOVE 10000 | AT 250K | |
| JOVII | 361136.28N / 1142610.39W | Y | FB | TF | 316.53 | 06.38 | AT 10000 | | |
| FELAA | 361204.87N / 1143849.75W | Y | FB | TF | 272.72 | 10.25 | AT 9200 | | |
| BOOOO | 360857.34N / 1145015.37W | Y | FB | TF | 251.41 | 09.76 | AT 7000 | AT 230K | |
| NNEON | 360759.50N / 1145345.85W | Y | FB | TF | 251.30 | 03.00 | | | |
| PPENN | 360806.18N / 1145557.97W | Y | FO | TF | 273.58 | 01.79 | AT 6000 | AT 190K | |
| KLAS:RWY 19L,RWY 19R | | | | FM | 273.58 | | | | |
| Runway Transition | | | | | | | | | |
| RKSTR | 355018.66N / 1142003.23W | Y | | IF | | | | | |
| HUXLY | 355725.02N / 1143126.48W | Y | FB | TF | 307.54 | 11.66 | 10000B13000 | AT 250K | |
| HAYLN | 360215.12N / 1143917.57W | Y | FB | TF | 307.19 | 07.99 | AT/BELOW 9000 | | |
| PRINO | 360423.60N / 1144338.86W | Y | FB | TF | 301.22 | 04.13 | AT 8000 | AT 210K | |
| KLAS:RWY 26L | | | | | | | | | |
| Runway Transition | | | | | | | | | |
| RKSTR | 355018.66N / 1142003.23W | Y | | IF | | | | | |
| HUXLY | 355725.02N / 1143126.48W | Y | FB | TF | 307.54 | 11.66 | 10000B13000 | AT 250K | |
| HAYLN | 360215.12N / 1143917.57W | Y | FB | TF | 307.19 | 07.99 | AT/BELOW 9000 | | |
| FLYES | 360433.54N / 1144344.83W | Y | FB | TF | 302.55 | 04.28 | AT 8000 | AT 210K | |
| KLAS:RWY 26R | | | | | | | | | |