

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------|-----|---------|--|-----|---------|---|------------------------------|---------|--|----------|---------|--|--------------------------------------|---------|--|--|--|--|--|--|--|--|
| US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION | | | | | | | RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33 | | | | | | | | | | Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR. | | | | | | |
| TERMINAL ROUTES | | | | | | | | | | | | | | MISSED APPROACH | | | | | | | | | |
| FROM | | | | TO | | | COURSE AND DISTANCE | | | | ALTITUDE | | LPV: DA LNAV/VNAV: DA LNAV: RW17R | | | | | | | | | | |
| LUFSE | | | | HIDAN (FB) | | | 211.42 / 12.57 | | | | 10000 | | CLIMB TO 7000 THEN CLIMBING LEFT TURN TO 9000 DIRECT DRAKE AND HOLD. | | | | | | | | | | |
| ADANE | | | | HIDAN (FB) | | | 308.99 / 11.15 | | | | 10000 | | | | | | | | | | | | |
| PUB VORTAC | | | | HIDAN (FB) | | | 343.44 / 45.94 | | | | 10000 | | | | | | | | | | | | |
| HIDAN (IAF) | | | | FEBLA (FB) | | | 259.61 / 7.34 | | | | 9500 | | | | | | | | | | | | |
| FEBLA (IF) | | | | CEMKA (FB) | | | 171.04 / 5.85 | | | | 8700 | | | | | | | | | | | | |
| CEMKA (FAF) | | | | JIBIS/4.80 NM TO RW17R (FB) | | | 171.06 / 2.95 | | | | | | ADDITIONAL FLIGHT DATA: HOLD S, RT, 353.19 INBOUND. FAS OBST: 6429 TREE 385043N/1044219W 7239 AAO 385632N/1044242W CHART FAS OBST: 6469 BLDG 385143N/1044218W CHART A-639 A/B. DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.40 MILES TO RW17R* *LNAV ONLY. WAAS CHANNEL # 72800 REFERENCE PATH ID: W17B CHART R-2601 CHART CIRCLING ICON. LTP HAE: 1865 M | | | | | | | | | | |
| (SEE FORM 8260-10) | | | | | | | | | | | | | | | | | | | | | | | |
| 1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) | | | | | | | | | | | | | | | | | | | | | | | |
| 2. PROFILE STARTS AT FEBLA | | | | | | | | | | | | | | | | | | | | | | | |
| 3. FAC: 171.06 FAF: CEMKA DIST FAF TO MAP: 7.75 THLD: 7.75 | | | | | | | | | | | | | | | | | | | | | | | |
| 4. MIN. ALT: FEBLA 9500, CEMKA 8700, JIBIS/4.80 NM TO RW17R 7760*, KAGHU/3.20 NM TO RW17R 7240*, (SEE FORM 8260-10) | | | | | | | | | | | | | | | | | | | | | | | |
| 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ | | | | | | | | | | | | | | | | | | | | | | | |
| 6. MIN GS INCPT: 8700 GS ALT AT: CEMKA 8700 OM: _____ MM: _____ IM: _____ | | | | | | | | | | | | | | | | | | | | | | | |
| 7. GS ANGLE: 3.00 TCH: 55.3 34:1 IS CLEAR | | | | | | | | | | | | | | | | | | | | | | | |
| 8. MSA FROM: RW17R 15400 | | | | | | | | | | | | | | | | | | | | | | | |
| MAG VAR: 9E EPOCH YEAR: 2010 | | | | | | | | | | | | | | | | | | | | | | | |
| MINIMUMS | | | | | | | | | | | | | | | | | | | | | | | |
| TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | | | | | | | ALTERNATE: N A | | | STANDARD @ | | | | | | | | | | | | | |
| CATEGORY =====> | | A | | | B | | | C | | | D | | | E | | | | | | | | | |
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | | | | | | | | |
| LPV DA | 6377 | 3/4 | 200 | 6377 | 3/4 | 200 | 6377 | 3/4 | 200 | 6377 | 3/4 | 200 | | | | | | | | | | | |
| LNAV/VNAV DA | 6752 | 2 | 575 | 6752 | 2 | 575 | 6752 | 2 | 575 | 6752 | 2 | 575 | | | | | | | | | | | |
| LNAV MDA | 6680 | 1 | 503 | 6680 | 1 | 503 | 6680 | 1 3/8 | 503 | 6680 | 1 3/8 | 503 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| CIRCLING | 6740 | 1 | 553 | 6800 | 1 | 613 | 7040 | 2 1/2 | 853 | 7260 | 3 | 1073 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 54C @ CAT C 900-2 1/2, CAT D 1100-3 (130F). CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY (CONTINUED ON PAGE 2) | | | | | | | | | | | | | | | | | | | | | | | |
| CITY AND STATE COLORADO SPRINGS, CO | | | | ELEVATION: 6187 TDZE: 6177 AIRPORT NAME: CITY OF COLORADO SPRINGS MUNI | | | | FACILITY IDENTIFIER: RNAV | | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 17R, AMDT 3 05/26/2016 | | | | SUP: AMDT: 2A DATED 03/08/2012 | | | | | | | | | |

| | | | | | |
|---|---------------------------------|--|---|--|--|
| ALL AFFECTED PROCEDURES REVIEWED? <input checked="checked" type="checkbox"/> YES <input type="checkbox"/> NO | | COORDINATES OF FACILITIES | | REQUIRED EFFECTIVE DATE 05/26/2016 | |
| COORDINATED WITH: | | | | | |
| ATA <input checked="checked" type="checkbox"/> | AAT <input type="checkbox"/> | ALPA <input checked="checked" type="checkbox"/> | APA <input checked="checked" type="checkbox"/> | AOPA <input checked="checked" type="checkbox"/> | NBAA <input checked="checked" type="checkbox"/> |
| OTHER (specify) <u>AMGR, ZDV, COS ATCT, DEN ATCT</u> | | | | | |
| FLIGHT CHECKED BY | | | | | |
| NAME: PENDING | | | | FIFO | DATE: |
| <i>Digitally signed by</i> DEVELOPED BY | | | | | |
| NAME: SCOTT STEVENSON Mar 04, 2016 SCOTT STEVENSON | | | | FIFO AJV-5431 | DATE: 01/20/2016 |
| <i>Digitally signed by</i> APPROVED BY | | | | | |
| NAME: ALLAN WILL Mar 24, 2016 LONNIE EVERHART MANAGER | | | | FIFO AJV-5430 | DATE: |
| CHANGES: | | | | | |
| 1. HIDAN MOVED 2.34NM EAST. 2. LUFSE TO HIDAN CHANGED FROM 218.07/14.32 TO 211.42/12.57. 3. ADANE TO HIDAN CHANGED FROM 300.57/12.71 TO 308.99/11.15. 4. PUB VORTAC TO HIDAN CHANGED FROM 340.54/46.12 TO 343.44/45.94. 5. HIDAN TO FEBLA CHANGED FROM 261.12/5.00 TO 259.61/7.34. 6. CEMKA PFAF MOVED 959 FEET NORTH. 7. FEBLA TO CEMKA CHANGED FROM 171.05/5.85 TO 171.04/5.85. 8. FINAL CHANGED FROM 171.05/7.59 TO 171.06/7.75. 9. MISSED APPROACH CHANGED FROM "CLIMB TO 9000 DIRECT KUSAC AND ON TRACK 100.44 TO DRAKE" TO "CLIMB TO 7000 THEN CLIMBING LEFT TURN TO 9000 DIRECT DRAKE". 10. ADDED STEPDOWN FIXES AT 3.20 AND 2.00 NM TO RW17R. 11. VDP CHANGED FROM 3.10 NM TO RW17R TO 1.40 NM TO RW17R. 12. ADDED LNAV/VNAV LINE OF MINIMA. 13. LNAV MINIMA CHANGED FROM 7220/1043 HAT TO 6680/503 HAT. (SEE FORM 8260-10) | | | | | |
| REASONS: | | | | | |
| 1. MOVE MEETS MINIMUM SEGMENT LENGTH FOR ARRIVALS FROM PUB, ADANE AND LUFSE USING MITRE WINDS AND MAX BANK ANGLE. 2-5. CHANGE IN COURSE/DISTANCE DUE TO HIDAN IAF MOVE. 6. FIX MOVED TO IPDS CALCULATED PFAF LOCATION. 7-8. CHANGE IN COURSE/DISTANCE DUE TO CEMKA PFAF MOVE. 9. MISSED CHANGED FROM DF/TF TO CA/DF PER FPT/ATC CHECKLIST FOR REDUCED TRACK MILES. 10. SIGNIFIGANT REDUCTION IN MDA WAS ACHIEVED BY ADDITION OF STEPDOWN FIXES. 11. DUE TO REDUCTION IN LNAV MDA AND CHARTED IN ACCORDANCE WITH 8260.3B, CHG 26, PARA 253. 12. LNAV/VNAV MINIMA REQUIRED PER 8260.58, VOL 6, 1.0, A. 13-14. LOWER MDA ACHIEVED THROUGH ADDITION OF STEPDOWN FIXES; VISIBILITY REDUCTION PER AJV-5 VIS CHECK CALCULATOR. 15. CMDA CHANGED DUE TO NEW QC OBSTACLE EVALUATION OF THE NEW CIRCLING AREA; VISIBILITY CHANGED PER AJV-5 VIS CHECK CALCULATOR. 16. DUE TO CHANGE IN CATEGORY C MINIMA. 17. VISUAL SURFACES VERIFIED CLEAR. 18-19. 8260.19E, 8-6, G, 2. 20. BARO-VNAV TEMPERATURE LIMITS REQUIRED DUE TO ADDITION OF LNAV/VNAV LINE OF MINIMA. (SEE FORM 8260-10) | | | | | |

QUALITY
 10
 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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LINE 4, (CONT.):

LAXLY/2.00 NM TO RW17R 6860*, 6680*

TERMINAL ROUTES, (CONT.):

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|------------------------|-----------------------------|---------------------|----------|
| JIBIS/4.80 NM TO RW17R | KAGHU/3.20 NM TO RW17R (FB) | 171.06 / 1.60 | |
| KAGHU/3.20 NM TO RW17R | LAXLY/2.00 NM TO RW17R (FB) | 171.06 / 1.20 | |
| LAXLY/2.00 NM TO RW17R | RW17R (MAP) (FO) | 171.06 / 2.00 | |
| RW17R (MAP) | 7000 MSL | 171.06 | 7000 |
| 7000 MSL | DRAKE (FO) | | 9000 |

NOTES, (CONT.):

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH ILS OR LOC RWY 17L AND ILS RWY 17L (SA CAT I).

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PUB VORTAC AIRWAY RADIALS 267 CW 354.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ADANE ON V108 EASTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LUFSE ON V611 NORTHEAST BOUND.

CITY AND STATE

COLORADO SPRINGS, CO

ELEVATION: 6187

TDZE: 6177

AIRPORT NAME:

CITY OF COLORADO SPRINGS MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 17R, AMDT 3, 05/26/2016

SUP:

AMDT:

DATED: 03/08/2012

QUALITY
10
CHECKED
2A

| | | | | | |
|--|--|---------------------------|--|-------------------------|-------|
| ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div> | | COORDINATES OF FACILITIES | | REQUIRED EFFECTIVE DATE | |
| COORDINATED WITH: <div><div>ATA</div><div>AAT</div><div>ALPA</div><div>APA</div><div>AOPA</div><div>NBAA</div><div>OTHER (specify)</div></div> | | | | | |
| FLIGHT CHECKED BY | | | | | |
| NAME: | | | | FIFO | DATE: |
| DEVELOPED BY | | | | | |
| NAME: | | | | FIFO | DATE: |
| APPROVED BY | | | | | |
| NAME: | | | | FIFO | DATE: |
| <div>CHANGES:</div> <div>CHANGES CONT.</div> <div>14. LNAV CAT A VIS CHANGED FROM 1 1/4 TO 1; CAT B FROM 1 1/2 TO 1; CAT C FROM 3 TO 1 3/8; CAT D FROM 3 TO 1 3/8.</div> <div>15. CIRCLING MINIMA CHANGED FROM: CAT A 7220/1033 HAA, 1 1/4 TO 6740/553 HAA, 1; CAT B 7220/1033 HAA, 1 1/2 TO 6800/613 HAA, 1; CAT C 7220/1033 HAA, 3 TO 7040/853 HAA, 2 1/2; CAT D 7220/1033 HAA, 3 TO 7260/1073 HAA, 3.</div> <div>16. CATEGORY C ALTERNATE MINIMUMS CHANGED FROM 1100-3 TO 900 2 1/2.</div> <div>17. DELETED CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.</div> <div>18. CHANGED CHART PLANVIEW NOTE FROM PROCEDURE NA FOR ARRIVALS AT PUB VORTAC VIA V81/611 SOUTHBOUND TO PROCEDURE NA FOR ARRIVALS ON PUB VORTAC AIRWAY RADIALS 267 CW 354.</div> <div>19. CHANGED CHART PLANVIEW NOTE FROM PROCEDURE NA FOR ARRIVALS AT ADANE VIA V108 EASTBOUND TO PROCEDURE NA FOR ARRIVALS AT ADANE ON V108 EASTBOUND.</div> <div>20. ADDED CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 54C (130F).</div> <div>21. FPAP LAT/LONG CHANGED FROM 384737.7600N/1044257.3600W TO 384737.4875N/1044257.3600W.</div> <div>22. CRC REMAINDER CHANGED FROM 6A6E09C3 TO EFA5B563.</div> <div>23. UPDATED PARA 289 OBSTACLES IN ADDITIONAL FLIGHT DATA.</div> <div>(SEE FORM 8260-10)</div> | | | | | |
| <div>REASONS:</div> <div>REASONS CONT.</div> <div>21. IPDS CALCULATED FPAP COORDINATES.</div> <div>22. DUE TO CHANGES IN FAS DATA.</div> <div>23. NEW OBSTACLES IDENTIFIED IN 7:1 AREA DUE TO FIX MOVEMENT AND ADDITION OF NEW STEPDOWN FIXES.</div> <div>24. DUE TO CHANGE IN CATEGORY A AND B MINIMUMS.</div> <div>25. 8260.19E, 8-57, Z.</div> | | | | | |

QUALITY
10
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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CITY AND STATE
COLORADO SPRINGS, CO

ELEVATION: 6187 TDZE: 6177
AIRPORT NAME:
CITY OF COLORADO SPRINGS MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 17R, AMDT 3, 05/26/2016

SUP: 10
AMDT: 2A
DATED: 03/08/2012

QUALITY
10
CHECKED

| | | | | | |
|---|--|--|---|--|---|
| ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div> | | COORDINATES OF FACILITIES | | REQUIRED EFFECTIVE DATE | |
| COORDINATED WITH: | | | | | |
| ATA <div><input type="checkbox"/></div> | | AAT <div><input type="checkbox"/></div> | ALPA <div><input type="checkbox"/></div> | APA <div><input type="checkbox"/></div> | AOPA <div><input type="checkbox"/></div> |
| NBAA <div><input type="checkbox"/></div> | | OTHER (specify) <div><input type="checkbox"/></div> | | | |
| FLIGHT CHECKED BY | | | | | |
| NAME: | | | | FIFO | DATE: |
| DEVELOPED BY | | | | | |
| NAME: | | | | FIFO | DATE: |
| APPROVED BY | | | | | |
| NAME: | | | | FIFO | DATE: |
| CHANGES: CHANGES CONT. 24. CATEGORY A/B ALTERNATE MINIMUMS CHANGED FROM 1100-2 TO STANDARD. 25. ADDED CHART CIRCLING ICON IN ADDITIONAL FLIGHT DATA. | | | | | |
| REASONS: | | | | | |



**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

| <u>DATA FIELD</u> | <u>DATA</u> |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KCOS |
| RUNWAY | RW17R |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | Y |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W17B |
| LTP/FTP LATITUDE | 384926.6740N |
| LTP/FTP LONGITUDE | 1044257.2250W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +18650 |
| FPAP LATITUDE | 384757.4875N |
| FPAP LONGITUDE | 1044257.3450W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00055.3 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 0000 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 35.0 |
| <u>CRC REMAINDER</u> | EFA5B563 |

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K2 |
| LTP ORTHOMETRIC HEIGHT | +18826 |
| FPAP ORTHOMETRIC HEIGHT | +18826 |

CITY AND STATE

COLORADO SPRINGS, CO

ELEVATION: 6187

TDZE: 6177

AIRPORT NAME:

CITY OF COLORADO SPRINGS MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 17R, AMDT 3, 05/26/2016

SUP:

AMDT:

DATED: 03/08/2012

QUALITY
10
CHECKED
2A

| | | | | | |
|--|--------------------------|---------------------------|--------------------------|--------------------------|--------------------------------|
| ALL AFFECTED PROCEDURES REVIEWED? | | COORDINATES OF FACILITIES | | REQUIRED EFFECTIVE DATE | |
| <input type="checkbox"/> YES <input type="checkbox"/> NO | | | | | |
| COORDINATED WITH: | | | | | |
| ATA | AAT | ALPA | APA | AOPA | NBAA OTHER (specify) |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> _____ |
| FLIGHT CHECKED BY | | | | | |
| NAME: | | | | FIFO | DATE: |
| DEVELOPED BY | | | | | |
| NAME: | | | | FIFO | DATE: |
| APPROVED BY | | | | | |
| NAME: | | | | FIFO | DATE: |
| CHANGES: | | | | | |
| REASONS: | | | | | |



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| U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33 | Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR. |
|--|--|

ARINC SUMMARY - KCOS

ROUTES

| TRANSITION | WPT SEQ | WPT NAME | LEG TYPE | FB/FO | RNP | MAG CRS | REC NAV | ANGLE | TURN DIR | CENTER FIX | TURN RADIUS | ALTITUDE DESCRIPTION & VALUE | SPEED LIMIT DESCRIPTION & VALUE | WPT DESCRIPTION CODE |
|------------|------------|-------------|-------------|-------|-----|------------|------------|-------|-------------|---------------|----------------|------------------------------------|---------------------------------------|----------------------------|
| ADANE | 010 | ADANE | IF | FB | | | | | | | | | | E |
| ADANE | 020 | HIDAN | TF | FB | 2.0 | 309.0 | | | | | | AA 10000 | | E A |
| ADANE | 030 | FEBLA | TF | FB | 1.0 | 259.6 | | | | | | AA 09500 | | EE B |
| LUFSE | 010 | LUFSE | IF | FB | | | | | | | | | | E |
| LUFSE | 020 | HIDAN | TF | FB | 2.0 | 211.4 | | | | | | AA 10000 | | E A |
| LUFSE | 030 | FEBLA | TF | FB | 1.0 | 259.6 | | | | | | AA 09500 | | EE B |
| PUB | 010 | PUB | IF | FB | | | | | | | | | | V |
| PUB | 020 | HIDAN | TF | FB | 2.0 | 343.4 | | | | | | AA 10000 | | E A |
| PUB | 030 | FEBLA | TF | FB | 1.0 | 259.6 | | | | | | AA 09500 | | EE B |
| | 010 | FEBLA | IF | FB | | | | | | | | AA 09500 | | E I |
| | 020 | CEMKA | TF | FB | 1.0 | 171.0 | | | | RW17R | | AA 08700 | | E F |
| | 021 | JIBIS | TF | FB | 0.3 | 171.1 | | 3.00 | | | | AA 07760 GS 07761 | | E S |
| | 022 | KAGHU | TF | FB | 0.3 | 171.1 | | 3.00 | | | | AA 07240 GS 07251 | | E S |
| | 023 | LAXLY | TF | FB | 0.3 | 171.1 | | 3.00 | | | | AA 06860 GS 06869 | | E S |
| | 030 | RW17R | TF | FO | 0.3 | 171.1 | | 3.00 | | | | AT 06232 | | GY M |
| | 040 | | CA | FB | | 171.1 | | | | | | AA 07000 | | M |
| | 050 | DRAKE | DF | FO | | | | | L | | | AA 09000 | | EY |
| | 060 | DRAKE | HM | FO | | 353.2 | | | R | | | AA 09000 | | EE |

POINTS

| POINT NAME | LATITUDE | LONGITUDE |
|------------|------------|-------------|
| PUB | N381739.32 | W1042546.01 |
| ADANE | N385457.26 | W1042356.46 |
| CEMKA | N385712.00 | W1044256.60 |
| DRAKE | N383624.05 | W1042451.18 |
| FEBLA | N390303.43 | W1044256.32 |
| HIDAN | N390314.52 | W1043331.33 |
| JIBIS | N385414.95 | W1044256.91 |
| KAGHU | N385238.86 | W1044256.97 |
| LAXLY | N385126.79 | W1044257.06 |
| LUFSE | N391249.58 | W1042303.64 |

RUNWAYS

| RUNWAY | THRESHOLD LATITUDE | THRESHOLD LONGITUDE | THRESHOLD ELEVATION | PROCEDURE TCH |
|--------|-----------------------|------------------------|------------------------|------------------|
|--------|-----------------------|------------------------|------------------------|------------------|

| | | | | |
|---|---|--|---|---|
| CITY AND STATE COLORADO SPRINGS, CO | ELEVATION: 6187 TDZE: 6177 AIRPORT NAME: CITY OF COLORADO SPRINGS MUNI | FACILITY IDENTIFIER: RNAV | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 17R, AMDT 3 05/26/2016 | SUP: <hr/> AMDT: 2A <hr/> DATED: 03/08/2012 |
|---|---|--|---|---|



| | | | | | |
|--|--|---------------------------|--|-------------------------|-------|
| ALL AFFECTED PROCEDURES REVIEWED? | | COORDINATES OF FACILITIES | | REQUIRED EFFECTIVE DATE | |
| <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div> | | | | | |
| COORDINATED WITH: | | | | | |
| <div><div>ATA</div><div><input type="checkbox"/></div></div> <div><div>AAT</div><div><input type="checkbox"/></div></div> <div><div>ALPA</div><div><input type="checkbox"/></div></div> <div><div>APA</div><div><input type="checkbox"/></div></div> <div><div>AOPA</div><div><input type="checkbox"/></div></div> <div><div>NBAA</div><div><input type="checkbox"/></div></div> <div><div>OTHER (specify)</div><div><input type="checkbox"/></div><div></div></div> | | | | | |
| FLIGHT CHECKED BY | | | | | |
| NAME: | | | | FIFO | DATE: |
| DEVELOPED BY | | | | | |
| NAME: | | | | NFPG | DATE: |
| APPROVED BY | | | | | |
| NAME: | | | | NFPG | DATE: |
| CHANGES: | | | | | |
| REASONS: | | | | | |



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| U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33 | Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR. |
|--|--|

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|-------|------------|-------------|-------|----|
| RW17R | N384926.67 | W1044257.23 | 06177 | 55 |
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|---|---|---|---|---|
| CITY AND STATE COLORADO SPRINGS, CO | ELEVATION: 6187 TDZE: 6177 AIRPORT NAME: CITY OF COLORADO SPRINGS MUNI | FACILITY IDENTIFIER: RNAV | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Y RWY 17R, AMDT 3 05/26/2016 | SUP: AMDT: 2A DATED: 03/08/2012 |
|---|---|---|---|---|



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|---|--|---------------------------|--|-------------------------|-------|
| ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO | | COORDINATES OF FACILITIES | | REQUIRED EFFECTIVE DATE | |
| COORDINATED WITH: <div>ATA<input type="checkbox"/> AAT<input type="checkbox"/> ALPA<input type="checkbox"/> APA<input type="checkbox"/> AOPA<input type="checkbox"/> NBAA<input type="checkbox"/> OTHER (specify) <input type="checkbox"/> _____</div> | | | | | |
| FLIGHT CHECKED BY | | | | | |
| NAME: | | | | FIFO | DATE: |
| DEVELOPED BY | | | | | |
| NAME: | | | | NFPG | DATE: |
| APPROVED BY | | | | | |
| NAME: | | | | NFPG | DATE: |
| CHANGES: | | | | | |
| REASONS: | | | | | |



STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

| 1. APP SEGMENT | FROM | TO | OBSTRUCTION | COORDINATES | ELEV. MSL | ROC | ALT. ADJUSTMENTS | MIN. ALT. | |
|---------------------------|--|---------------------------|---|------------------------|------------------------|-------------|------------------|-----------------|-------|
| FEEDER | LUFSE | HIDAN | 1. AAO | 390415.00N/1043218.00W | 7639 (2C) | 2000 | AT361 | 10000 | |
| | | | 2. TERRAIN | 390415.00N/1043218.00W | 7439 (7400) | | AS1500 | 8900 | |
| FEEDER | ADANE | HIDAN | 1. AAO | 390415.00N/1043218.00W | 7639 (2C) | 2000 | AT361 | 10000 | |
| | | | 2. TERRAIN | 390415.00N/1043218.00W | 7439 (7400) | | AS1500 | 8900 | |
| FEEDER | PUB VORTAC | HIDAN | 1. AAO | 390415.00N/1043218.00W | 7639 (2C) | 2000 | AT361 | 10000 | |
| | | | 2. TERRAIN | 390415.00N/1043218.00W | 7439 (7400) | | AS1500 | 8900 | |
| INITIAL | HIDAN | FEBLA | 3. TOWER (08-000087) | 390246.00N/1044140.00W | 7940 (3A) | 1000 | AT560 | 9500 | |
| | | | 4. TERRAIN | 390218.00N/1044021.00W | 7704 (7700) | | AS1500 | 9200 | |
| INTERMEDIATE | FEBLA | CEMKA | 3. TOWER (08-000087) | 390246.00N/1044140.00W | 7940 (3A) | 500 | | 8500 | |
| | | | 5. TERRAIN | 390209.00N/1044024.00W | 7701 (7700) | | AS1000 | 8700 | |
| FINAL: LPV | CEMKA | DA | | | | ASC | | 6377/200 | |
| FINAL: LNAV/VNAV | CEMKA | DA | 6. TREE | 385043.49N/1044218.80W | 6429 (2C) | 22.78:1 | AC20 | 6752/575 | |
| FINAL: LNAV | CEMKA | JIBIS/4.80 NM TO RW17R | 7. AAO | 385617.00N/1044238.31W | 7180 (2C) | 250 | XL88 DG242 | 7760 | |
| 2. PROCEDURE TURN | NA | | | | | | | | |
| 3. MISSED APPROACH | MAP: DA / DA / RW17R | DRAKE | | | | ASC | | 9000 | |
| | ELEV: 6209/6591/6580 | | 10. AAO | 384642.86N/1043325.16W | 6459 (2C) | 1000 | | 7500 | |
| | | | 11. TERRAIN | 384642.86N/1043325.16W | 6259 (6300) | | AS1500 | 7800 | |
| 4. CIRCLING AREA | DISTANCE | HT. ABV. ARPT. | | | | | | | |
| CATEGORY A | 1.3 NM | REQUIRED 350 | 553 | 6. TREE | 385043.49N/1044218.80W | 6429 (2C) | 300 | 6740 | |
| CATEGORY B | 1.5 NM | 450 | 613 | 12. TREE | 385118.69N/1044159.87W | 6489 (2C) | 300 | 6800 | |
| CATEGORY C | 1.7 NM | 450 | 853 | 13. TOWER (08-000099) | 385215.00N/1044418.00W | 6677 (4D) | 300 | AC50 7040 | |
| CATEGORY D | 2.3 NM | 550 | 1073 | 14. AAO | 385339.59N/1044338.96W | 6959 (2C) | 300 | 7260 | |
| CATEGORY E | 4.5 NM | 550 | | | | | | | |
| 5. MINIMUM SAFE ALTITUDES | | | | | | | | | |
| | | | | | | | | | |
| SECTOR | OBSTRUCTION | BRG/DIST | ELEVATION (MSL) | M S A | SECTOR | OBSTRUCTION | BRG/DIST | ELEVATION (MSL) | M S A |
| 360-360 | AAO | 265/15.5 | 14319 (2C) | 15400 | | | | | |
| CITY AND STATE | ELEVATION: 6187 | FACILITY | PROCEDURE AND AMENDMENT NO: | REGION | | | | | |
| COLORADO SPRINGS, CO | AIRPORT NAME: CITY OF COLORADO SPRINGS MUNI | RNAV | RNAV (GPS) Y RWY 17R, AMDT 3, 05/26/2016 | 10 | | | | | |

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|--|-------|---|--------------------------------------|-----|--|-------|--|----------------------------|--|---|-------------------------|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|
| PART B - SUPPLEMENTAL DATA | | | | | | | | | | PART C - REMARKS: | | | | | | | | | | | | | | | | | | | |
| 1. COMMUNICATIONS WITH: | | | | | 2. WEATHER SERVICE | | | | | 3. ALTIMETER SETTING | | | | | PRECIPITOUS TERRAIN EVALUATION COMPLETED. | | | | | | | | | | | | | | |
| COS TOWER ZDV ARTCC COS APP CON | | | | | X | N W S | | OTHER: ASOS | | | SOURCE: KCOS | | | | | ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.42NM CAT B: 2.05NM CAT C: 3.25NM CAT D: 4.26NM | | | | | | | | | | | | | |
| | | | | | | | | | | | DISTANCE: | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | HOURS REMOTE OPERATION: | | | | | | | | | | | | | | | | | | |
| SATISFACTORY ON: | | | | | | | | | | LOCATION: KCOS | | | | | ADJUSTMENT: 0 | | | | | NO ADDITIONAL AIRSPACE REQUIRED. TAA NOT DEVELOPED PER ATC. TREES ASSUMED TO BE 30 FEET PER FPT CHECKLIST. VGSI DATA: 3.00/55.3 TERPS PARAGRAPH 289 APPLIED TO: 7239 AAO 385632N/1044242W 6469 BLDG 385143N/1044218W BLOCK 3: ALTIMETER SETTING SOURCE: KCOS ASOS IS ON SERVICE A REDUNDANT WX AVAILABLE (NWS) BACKUP ALTIMETER IS NOT REQUIRED CRITICAL TEMPERATURES: DESCENT RATE: STANDARD TEMP 1040 HIGH TEMP 1214. CRITICAL LOW :-21C (-5F) CRITICAL HIGH :+54C (+130F) ACT :+3C APT ISA :-21C AVERAGE COLD TEMPERATURE BASED ON A 5-YEAR HISTORY (2010-2014). 25 DEGREE BANK ANGLE USED IN MISSED SEGMENT. | | | | | | | | | |
| X | V H F | X | U H F | H F | 4. MONITOR STATUS PRIMARY NAVAID: MONITOR POINT: HRS CAT 1 OPTN: CAT 3 | | | | | 5. APPROACH & RUNWAY LIGHTING ALS (S) SALS X MALSR 17L, 35L X HIRL 17L, 17R, 35L, 35R X MIRL 13, 31 X REIL 13, 17R, 31, 35R X TDZ 17L, 35R X C/L 17L, 35R X OTHER (SPECIFY) PAPI-4L 17L, 17R, 31, 35L PAPI-4R 13, 35R | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. RUNWAY MARKINGS | | | BASIC | | | | | | | 6. RUNWAY MARKINGS ALL WEATHER PIR-G 17L, 17R, 35L, 35R INSTRUMENT NPI-G 13, 31 | | | | | | | | | | | | | | | | | | | |
| | | | ALL WEATHER PIR-G 17L, 17R, 35L, 35R | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | INSTRUMENT NPI-G 13, 31 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. RUNWAY VISUAL RANGE | | | APPROACH 17L, 35L, 35R | | | | | | | 7. RUNWAY VISUAL RANGE MIDFIELD ROLL OUT 17L, 35R | | | | | | | | | | | | | | | | | | | |
| | | | MIDFIELD | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | ROLL OUT 17L, 35R | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. GLIDE PATH | | | GP ANGLE: 3.00 | | | | | ELEV RWY THRESHOLD: 6176.6 | | | | | 8. GLIDE PATH DISTANCE FROM RWY: ELEV GP ANTENNA: THRESHOLD CROSSING HEIGHT: 55.3 | | | | | | | | | | | | | | | | |
| | | | DISTANCE FROM RWY: | | | | | ELEV GP ANTENNA: | | | | | | | | | | | | | | | | | | | | | |
| | | | THRESHOLD CROSSING HEIGHT: 55.3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9. FINAL APPROACH COURSE AIMING | | | | X | RUNWAY THRESHOLD | | | | | FT. FROM THRESHOLD | | | | | 9. FINAL APPROACH COURSE AIMING ON CENTERLINE FT. FROM CENTERLINE | | | | | | | | | | | | | | |
| | | | | | ON CENTERLINE | | | | | FT. FROM CENTERLINE | | | | | | | | | | | | | | | | | | | |
| 10. WAIVERS: NONE | | | | | | | | | | 10. WAIVERS: NONE | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PART D - PREPARED BY: SCOTT STEVENSON | | | | | | | | | | DATE: 01/20/2016 | | | | | | | | | | | | | | | | | | | |
| TITLE: AERONAUTICAL INFORMATION SPECIALIST | | | | | | | | | | OFFICE: AJV-5431 | | | | | | | | | | | | | | | | | | | |



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| STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD | | |
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PART - A OBSTRUCTION DATA

[illegible]

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|--|-------|--------------------|----------|--------------------|-------|----------------------------|----------------------|-------------------------|---------------------|-------------------|--|
| PART B - SUPPLEMENTAL DATA | | | | | | | | | | PART C - REMARKS: | |
| 1. COMMUNICATIONS WITH: | | | | 2. WEATHER SERVICE | | | 3. ALTIMETER SETTING | | | | |
| SATISFACTORY ON: | | | | | N W S | OTHER: | | SOURCE: | | | |
| | | | | | F A A | | | DISTANCE: | | | |
| | | | | | A / C | | | HOURS REMOTE OPERATION: | | | |
| | V H F | | U H F | | H F | LOCATION: | | | ADJUSTMENT: | | |
| 4. MONITOR STATUS | | PRIMARY NAVAID: | | | | | | | | | |
| | | MONITOR POINT: | | | | | | | | | |
| | | HRS | CAT 1 | | | | | | | | |
| | | OPTN: | CAT 3 | | | | | | | | |
| 5. APPROACH & RUNWAY LIGHTING | | | ALS | | | | | | | | |
| | | | (S) SALS | | | | | | | | |
| | | | MALS | | | | | | | | |
| | | | HIRL | | | | | | | | |
| | | | MIRL | | | | | | | | |
| | | | REIL | | | | | | | | |
| | | | TDZ | | | | | | | | |
| | | | C/LINE | | | | | | | | |
| 6. RUNWAY MARKINGS | | BASIC | | | | | | | | | |
| | | ALL WEATHER | | | | | | | | | |
| | | INSTRUMENT | | | | | | | | | |
| 7. RUNWAY VISUAL RANGE | | APPROACH | | | | | | | | | |
| | | MIDFIELD | | | | | | | | | |
| | | ROLL OUT | | | | | | | | | |
| 8. GLIDE PATH | | GP ANGLE: | | | | ELEV RWY THRESHOLD: | | | | | |
| | | DISTANCE FROM RWY: | | | | ELEV GP ANTENNA: | | | | | |
| | | | | | | THRESHOLD CROSSING HEIGHT: | | | | | |
| 9. FINAL APPROACH COURSE AIMING | | | | RUNWAY THRESHOLD | | | | | FT. FROM THRESHOLD | | |
| | | | | ON CENTERLINE | | | | | FT. FROM CENTERLINE | | |
| 10. WAIVERS: | | | | | | | | | | | |
| PART D - PREPARED BY: | | | | | | DATE: | | | | | |
| TITLE: | | | | | | OFFICE: | | | | | |

