

| 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. | | | | | | | | | | | | | | | |
|--|--------|------------------|---------|--|------|---------|--------|------------------------------|---------|--|-------|-----------------|--------|--|---------|------------------|--|--|--|
| US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION | | | | TERMINAL ROUTES | | | | | | | | MISSED APPROACH | | | | | | | |
| FROM | | TO | | COURSE AND DISTANCE | | | | ALTITUDE | | LPV: DA LNAV/VNAV: DA LNAV: RW26L CLIMB TO 3000 DIRECT LUCEP AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 086.73 INBOUND. CHART FAS OBST: 423 ATCT 295903N/0951941W CHART: 563 TOWER 300020N/0951300W DISTANCE TO THLD FROM 200 HATH: 0.45 NM. CHART VDP AT 1.62 MILES TO RW26L* *LNAV ONLY. WAAS CHANNEL # 49226 REFERENCE PATH ID: W26D CHART MANDATORY 7000 AT GARRR. CHART MANDATORY 8000 AT BOZZZ. LTP HAE: 1 M | | | | | | | | | |
| GARRR (IAF) | | VANNN (FB) | | 287.14 / 3.00 | | | | 7000 | | | | | | | | | | | |
| BOZZZ (IAF) | | VANNN (FB) | | 247.53 / 2.89 | | | | 7000 | | | | | | | | | | | |
| VANNN (IAF) | | MKAYE (FB) | | 267.21 / 5.00 | | | | 7000 | | | | | | | | | | | |
| MKAYE | | GRIEG (FB) | | 267.16 / 4.25 | | | | 5000 | | | | | | | | | | | |
| GRIEG (IF) | | KERNS (FB) | | 267.12 / 7.22 | | | | 3000 | | | | | | | | | | | |
| KERNS | | JEPNI (FB) | | 267.05 / 4.08 | | | | 2000 | | | | | | | | | | | |
| JEPNI (FAF) | | RW26L (MAP) (FO) | | 267.02 / 5.81 | | | | | | | | | | | | | | | |
| (SEE FORM 8260-10) | | | | | | | | | | | | | | | | | | | |
| 1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT VANNN 3. FAF: <u>267.02</u> FAF: JEPNI DIST FAF TO MAP: <u>5.81</u> THLD: <u>5.81</u> 4. MIN. ALT: VANNN 7000, MKAYE 7000, GRIEG 5000, KERNS 3000, JEPNI 2000 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: JEPNI 2000 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.5</u> 34:1 IS CLEAR 8. MSA FROM: RW26L 3100 | | | | | | | | | | | | | | MAG VAR: 3E | | EPOCH YEAR: 2015 | | | |
| 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 | 293 | 2400 | 200 | 293 | 2400 | 200 | 293 | 2400 | 200 | 293 | 2400 | 200 | 293 | 2400 | 200 | | | | |
| LNAV/VNAV DA | 584 | 6000 | 491 | 584 | 6000 | 491 | 584 | 6000 | 491 | 584 | 6000 | 491 | 584 | 6000 | 491 | | | | |
| LNAV MDA | 680 | 2400 | 587 | 680 | 2400 | 587 | 680 | 1 1/4 | 587 | 680 | 1 1/4 | 587 | 680 | 1 1/4 | 587 | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -3C (27F) OR ABOVE 54C (130F). CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV CAT E VISIBILITY TO 1 5/8 MILE, AND LNAV CAT E VISIBILITY TO 1 3/4 MILE. CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10) | | | | | | | | | | | | | | | | | | | |
| CITY AND STATE HOUSTON, TX | | | | ELEVATION: 96 THRE: 93 AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON | | | | FACILITY IDENTIFIER: RNAV | | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 26L, AMDT 4 29 MAY 2014 | | | | SUP: RNAV (GPS) RWY 26L AMDT: 3A DATED 05/31/2012 | | | | | |

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

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TERMINAL ROUTES, (CONT.):

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|-------------|------------|---------------------|----------|
| RW26L (MAP) | 293 MSL | 267.02 | |
| 293 MSL | LUCEP (FO) | | 3000 |

NOTES, (CONT.):

CHART PLANVIEW NOTE AT GARRR : MAX 210 KIAS.

CHART PLANVIEW NOTE AT BOZZZ : MAX 210 KIAS.

CHART PLANVIEW NOTE: RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 26R AND RWY 27.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

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

QUALITY
A
CHECKED

CITY AND STATE

HOUSTON, TX

ELEVATION: 96

THRE: 93

AIRPORT NAME:

GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 26L, AMDT 4

29 MAY 2014

SUP: RNAV (GPS) RWY
26L

AMDT: 3A

DATED: 05/31/2012

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

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KIAH
RUNWAY RW26L
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Z
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W26D
LTP/FTP LATITUDE 295936.3800N
LTP/FTP LONGITUDE 0951930.9550W
LTP/FTP ELLIPSOIDAL HEIGHT +00010
FPAP LATITUDE 295936.3010N
FPAP LONGITUDE 0952117.8720W
THRESHOLD CROSSING HEIGHT (TCH) 00055.5
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

CRC REMAINDER

C188AEDD

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +00283
FPAP ORTHOMETRIC HEIGHT +00283

CITY AND STATE

HOUSTON, TX

ELEVATION: 96

THRE: 93

AIRPORT NAME:

GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 26L, AMDT 4

29 MAY 2014

SUP: RNAV (GPS) RWY
26L

AMDT: 3A

DATED: 05/31/2012

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC PACKET - 424-18 - RNAV (GPS)

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|----|--|-----------|---|---------------------|---|---|---|-------|-----|-------|---|---|---|
| WP | 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| | SUSAEENRT | BOZZZ K40 | W | N30003196W094460133 | | | | E0026 | NAR | BOZZZ | | | |
| | SUSAEENRT | GARRR K40 | W | N29583189W094455500 | | | | E0026 | NAR | GARRR | | | |
| | SUSAEENRT | GRIEG K40 | C | N29593562W094594848 | | | | E0028 | NAR | GRIEG | | | |
| | SUSAEENRT | JEPNI K40 | C | N29593645W095124921 | | | | E0029 | NAR | JEPNI | | | |
| | SUSAEENRT | KERNS K40 | C | N29593630W095080744 | | | | E0029 | NAR | KERNS | | | |
| | SUSAEENRT | LUCEP K40 | C | N29593238W095470214 | | | | E0032 | NAR | LUCEP | | | |
| | SUSAEENRT | MKAYE K40 | C | N29593498W094545507 | | | | E0027 | NAR | MKAYE | | | |
| | SUSAEENRT | VANNN K40 | C | N29593399W094490960 | | | | E0027 | NAR | VANNN | | | |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|---------|--|---|------------------------------------|---|---|---|-------------|------|--------------------------------|---|---|---|---|
| AIRPORT | 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| | SUSAP KIAHK4AIAH | 0 | 120YHN29590400W095202920E003000096 | | | | 1800018000C | MNAR | GEORGE BUSH INTERCONTINENTAL/H | | | | |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|---------|--|--------|--------------------|---|------------------|----------|---|---------|----------|---|----|-------|----|
| SEGMENT | 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| | SUSAP KIAHK4FR26LZ | ABOZZZ | 010BOZZZK4EA0E | A | IF | | | 08000 | 18000210 | | | A-JS | |
| | SUSAP KIAHK4FR26LZ | ABOZZZ | 020VANNNK4EA0E | | 010TF | 24750029 | | + 07000 | | | | A JS | |
| | SUSAP KIAHK4FR26LZ | ABOZZZ | 030MKAYEK4EA0E | | 010TF | 26720050 | | + 07000 | | | | A JS | |
| | SUSAP KIAHK4FR26LZ | ABOZZZ | 040GRIEGK4EA0EE | B | 010TF | 26720043 | | + 05000 | | | | A JS | |
| | SUSAP KIAHK4FR26LZ | AGARRR | 010GARRRK4EA0E | A | IF | | | 07000 | 18000210 | | | A-JS | |
| | SUSAP KIAHK4FR26LZ | AGARRR | 020VANNNK4EA0E | | 010TF | 28710030 | | + 07000 | | | | A JS | |
| | SUSAP KIAHK4FR26LZ | AGARRR | 030MKAYEK4EA0E | | 010TF | 26720050 | | + 07000 | | | | A JS | |
| | SUSAP KIAHK4FR26LZ | AGARRR | 040GRIEGK4EA0EE | B | 010TF | 26720043 | | + 05000 | | | | A JS | |
| | SUSAP KIAHK4FR26LZ | AVANNN | 010VANNNK4EA0E | A | IF | | | + 07000 | 18000 | | | A JS | |
| | SUSAP KIAHK4FR26LZ | AVANNN | 020MKAYEK4EA0E | | 010TF | 26720050 | | + 07000 | | | | A JS | |
| | SUSAP KIAHK4FR26LZ | AVANNN | 030GRIEGK4EA0EE | B | 010TF | 26720043 | | + 05000 | | | | A JS | |
| | SUSAP KIAHK4FR26LZ | R | 010GRIEGK4EA0E | I | IF | | | + 05000 | 18000 | | | A JS | |
| | SUSAP KIAHK4FR26LZ | R | 011KERNSK4EA0E | S | 051TF | 26710072 | | + 03000 | | | | A JS | |
| | SUSAP KIAHK4FR26LZ | R | 020JEPNIK4EA1E | F | 051TF | 26710041 | | + 02000 | | | RW | K4PGA | JS |
| | SUSAP KIAHK4FR26LZ | R | 020JEPNIK4EA2WALPV | | ALNAV/VNAV ALNAV | | | | | | | JS | |
| | SUSAP KIAHK4FR26LZ | R | 030RW26LK4PGOGY | M | 031TF | 26700058 | | 00148 | -300 | | | A JS | |
| | SUSAP KIAHK4FR26LZ | R | 040 | 0 | M | 2670 | | + 00293 | | | | A JS | |
| | SUSAP KIAHK4FR26LZ | R | 050LUCEPK4EA0EY | | DF | | | + 03000 | | | | A JS | |
| | SUSAP KIAHK4FR26LZ | R | 060LUCEPK4EA0EE | R | HM | 08670040 | | + 03000 | | | | A JS | |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|--------|--|------------|--------------------------|---|---|---|----------------------------|---|---|---|---|---|---|
| RUNWAY | 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012 | | | | | | | | | | | | |
| | SUSAP KIAHK4GRW26L | 0094022670 | N29593638W095193096+0000 | | | | +0001000093000049150IIJYV3 | | | | | | |

| | | | | | |
|--------------------------------------|---------------------------------|--------------------|----------------------|--|--------------------------------|
| CITY AND STATE HOUSTON, TX | ELEVATION: 96 | THRE: 93 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: RNAV (GPS) RWY 26L |
| | AIRPORT NAME: | GEORGE BUSH | | RNAV (GPS) Z RWY 26L, AMDT 4 | AMDT: 3A |
| | INTERCONTINENTAL/HOUSTON | RNAV | | 29 MAY 2014 | DATED: 05/31/2012 |

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| | | | | |
|--------------------------------------|-------------------------------------|-----------------|--|--------------------------------|
| CITY AND STATE HOUSTON, TX | ELEVATION: 96 | THRE: 93 | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Z RWY 26L, AMDT 4 29 MAY 2014 | SUP: RNAV (GPS) RWY 26L |
| | AIRPORT NAME: GEORGE BUSH | | | AMDT: 3A |
| | INTERCONTINENTAL/HOUSTON | RNAV | | DATED: 05/31/2012 |

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (GPS)

| ROUTES | TRANSITION | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG (TRUE) | DISTANCE | ALTITUDE | SPEED |
|--------|------------|-------|-----|------|------|------|-------|-----|----------------|----------|----------|--------|
| | BOZZZ | BOZZZ | 010 | IAF | IF | | FB | | | | AT 08000 | AB 210 |
| | BOZZZ | VANNN | 020 | | TF | | FB | 1.0 | 247.5 (250.5T) | 002.9 | AA 07000 | |
| | BOZZZ | MKAYE | 030 | | TF | | FB | 1.0 | 267.2 (270.2T) | 005.0 | AA 07000 | |
| | BOZZZ | GRIEG | 040 | | TF | | FB | 1.0 | 267.2 (270.2T) | 004.3 | AA 05000 | |
| | GARRR | GARRR | 010 | IAF | IF | | FB | | | | AT 07000 | AB 210 |
| | GARRR | VANNN | 020 | | TF | | FB | 1.0 | 287.1 (290.1T) | 003.0 | AA 07000 | |
| | GARRR | MKAYE | 030 | | TF | | FB | 1.0 | 267.2 (270.2T) | 005.0 | AA 07000 | |
| | GARRR | GRIEG | 040 | | TF | | FB | 1.0 | 267.2 (270.2T) | 004.3 | AA 05000 | |
| | VANNN | VANNN | 010 | IAF | IF | | FB | | | | AA 07000 | |
| | VANNN | MKAYE | 020 | | TF | | FB | 1.0 | 267.2 (270.2T) | 005.0 | AA 07000 | |
| | VANNN | GRIEG | 030 | | TF | | FB | 1.0 | 267.2 (270.2T) | 004.3 | AA 05000 | |
| | | GRIEG | 010 | FACF | IF | | FB | | | | AA 05000 | |
| | | KERNS | 011 | SDF | TF | | FB | 0.5 | 267.1 (270.1T) | 007.2 | AA 03000 | |
| | | JEPNI | 020 | FAF | TF | | FB | 0.5 | 267.1 (270.1T) | 004.1 | AA 02000 | |
| | | RW26L | 030 | MAP | TF | | FO | 0.3 | 267.0 (270.0T) | 005.8 | AT 00148 | |

| MISSED APPROACH | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG (TRUE) | DISTANCE | ALTITUDE | SPEED |
|-----------------|-------|-----|-----|------|------|-------|-----|----------------|----------|----------|-------|
| | | 040 | | CA | | FB | | 267.0 (270.0T) | | AA 00293 | |
| | LUCEP | 050 | | DF | | FO | | | | AA 03000 | |
| | LUCEP | 060 | | HM | R | FO | | 086.7 (089.7T) | 004.0 | AA 03000 | |

| POINT DATA | WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|------------|----------|-------------|--------------|-------------|--------------|
| | BOZZZ | N300031.96 | W0944601.33 | N3000.533 | W09446.022 |
| | GARRR | N295831.89 | W0944555.00 | N2958.532 | W09445.917 |
| | GRIEG | N295935.62 | W0945948.48 | N2959.594 | W09459.808 |
| | JEPNI | N295936.45 | W0951249.21 | N2959.608 | W09512.820 |
| | KERNS | N295936.30 | W0950807.44 | N2959.605 | W09508.124 |
| | LUCEP | N295932.38 | W0954702.14 | N2959.540 | W09547.036 |
| | MKAYE | N295934.98 | W0945455.07 | N2959.583 | W09454.918 |
| | VANNN | N295933.99 | W0944909.60 | N2959.567 | W09449.160 |
| | RW26L | N295936.38 | W0951930.96 | N2959.606 | W09519.516 |

| RUNWAY DATA | RWY | THRESHOLD ELEVATION | TCH |
|-------------|-------|---------------------|-----|
| | RW26L | 00093 | 49 |

CITY AND STATE
HOUSTON, TX

ELEVATION: 96 THRE: 93
 AIRPORT NAME:
 GEORGE BUSH
 INTERCONTINENTAL/HOUSTON

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
 RNAV (GPS) Z RWY 26L, AMDT 4
 29 MAY 2014

| | |
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| SUP: | RNAV (GPS) RWY 26L |
| AMDT: | 3A |
| DATED: | 05/31/2012 |