US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

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## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| UYUTE (IAF) | IPOME (FB) | 102.16 / 5.00 | 2000 |
| HUPAK (IAF) | IPOME (FB) | 282.26 / 5.00 | 2000 |
| IPOME (IF) | OSRAW (FB) | 192.21 / 6.02 | 2000 |

## MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW19

CLIMB TO 3100 DIRECT JEVIB AND LEFT TURN ON TRACK 077.02 TO CLEEP AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 278.00 INBOUND.
CHART FAS OBST: 374 TREE 302212N/0952417W
CHART FAS OBST: 409 TREE 302324N/0952442W
CHART 579 TOWER 302401N/0952348W.
DISTANCE TO THLD FROM 289 HAT: 0.78 NM.
WAAS CHANNEL # 90219
REFERENCE PATH ID: W19A

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT IPOME
3. FAC: 192.20 FAF: OSRAW DIST FAF TO MAP: 5.33 THLD: 5.33
4. MIN. ALT: IPOME 2000, OSRAW 2000, WETUD/2.00 NM TO RW19 900*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: OSRAW 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 48.6 34:1 IS NOT CLEAR
8. MSA FROM: RW19 3100

MAG VAR: 5E EPOCH YEAR: 2000

## MINIMUMS

TAKEOFF: [ ] STANDARD [X] 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 | 526 | 1 | 289 | 526 | 1 | 289 | 526 | 1 | 289 | 526 | 1 | 289 | | | |
| LNAV/VNAV DA | 682 | 1 1/2 | 445 | 682 | 1 1/2 | 445 | 682 | 1 1/2 | 445 | 682 | 1 1/2 | 445 | | | |
| LNAV MDA | 660 | 1 | 423 | 660 | 1 | 423 | 660 | 1 1/4 | 423 | 660 | 1 1/4 | 423 | | | |
| CIRCLING | 700 | 1 | 455 | 700 | 1 | 455 | 700 | 1 1/2 | 455 | 800 | 2 | 555 | | | |

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING DAVID WAYNE HOOKS MEMORIAL ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 245 TDZE: 237 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| HOUSTON, TX | AIRPORT NAME: LONE STAR EXECUTIVE | RNAV | RNAV (GPS) RWY 19, ORIG<br>23 SEP 2010 | AMDT: NONE<br>DATED |

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**NOTES CONT.**
**CHART PLANVIEW NOTE: RADAR REQUIRED**
***LNAV ONLY**
**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DAVID WAYNE HOOKS MEMORIAL ALTIMETER SETTING AND INCREASE ALL DA 57 FEET AND ALL MDA 60 FEET. INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE AND LNAV CAT D VISIBILITY 1/4 MILE.**

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## FAS DATA BLOCK INFORMATION

| DATA FIELD | DATA |
|---|---|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KCXO |
| RUNWAY | RW19 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W19A |
| LTP/FTP LATITUDE | 302131.5065N |
| LTP/FTP LONGITUDE | 0952453.2765W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +00422 |
| FPAP LATITUDE | 302006.1800N |
| FPAP LONGITUDE | 0952523.6900W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00048.6 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 1224 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |
| CRC REMAINDER | C20DE877 |

## ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|---|---|
| ICAO CODE | K4 |
| LTP ORTHOMETRIC HEIGHT | +00697 |
| FPAP ORTHOMETRIC HEIGHT | +00697 |

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**ARINC PACKET - 424-18 - RNAV (GPS)**

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CLEEP K40    C   L N30173895W095101761                    E0032     NAR           CLEEP
        SUSAEAENRT   HUPAK K40    W     N30305450W095152859                    E0032     NAR           HUPAK
        SUSAEAENRT   IPOME K40    W     N30322359W095210035                    E0033     NAR           IPOME
        SUSAEAENRT   JEVIB K40    W     N30153821W095265905                    E0034     NAR           JEVIB
        SUSAEAENRT   OSRAW K40    W     N30263776W095230400                    E0033     NAR           OSRAW
        SUSAEAENRT   UYUTE K40    W     N30335244W095263228                    E0034     NAR           UYUTE
        SUSAEAENRT   WETUD K40    W     N30232642W095241230                    E0033     NAR           WETUD

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCXOK4ACXO     0     060YHN30210850W095245230E005000245         1800018000C    MNAR    LONE STAR EXECUTIVE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCXOK4FR19   AHUPAK 010HUPAKK4EA0E  A    IF                                          18000                A JS
        SUSAP KCXOK4FR19   AHUPAK 020IPOMEK4EA0EE B 010TF                    28230050    + 02000                         A JS
        SUSAP KCXOK4FR19   AUYUTE 010UYUTEK4EA0E  A    IF                                          18000                A JS
        SUSAP KCXOK4FR19   AUYUTE 020IPOMEK4EA0EE B 010TF                    10220050    + 02000                         A JS
        SUSAP KCXOK4FR19   R      010IPOMEK4EA0E  I    IF                                + 02000    18000                A JS
        SUSAP KCXOK4FR19   R      020OSRAWK4EA1E  F 051TF                    19220060    + 02000                RW19  K4PGA JS
        SUSAP KCXOK4FR19   R      020OSRAWK4EA2WALPV       ALNAV/VNAV ALNAV                                                JS
        SUSAP KCXOK4FR19   R      021WETUDK4EA0E S  031TF                    19220033    V 0090000918       -300         A JS
        SUSAP KCXOK4FR19   R      030RW19 K4PG0GY M 031TF                    19220020      00277            -300         A JS
        SUSAP KCXOK4FR19   R      040         0  M  010CA                    1922        + 00526                         A JS
        SUSAP KCXOK4FR19   R      050JEVIBK4EA0E    010DF                                                                 A JS
        SUSAP KCXOK4FR19   R      060CLEEPK4EA0EY  L010TFY                   0770        + 03100                         A JS
        SUSAP KCXOK4FR19   R      070CLEEPK4EA0EE  R020HM                    27800040    + 03100                         A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCXOK4GRW19    0050001922 N30213151W095245328+0000    +0042200229000049100R
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```
PP      1         2         3         4         5         6         7         8         9         0         1         2         3
        123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCXOK4PR19   RW19 001 0000W19A0N3021315065W09524532765+004220300N3020061800W09525236900106751224000486F400500C20DE877
        SUSAP KCXOK4PR19   RW19 002E      +00697+00697LPV       90219

MSA     1         2         3         4         5         6         7         8         9         0         1         2         3
        123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCXOK4SRW19 K4PG                0   18018003125                                                                   M
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| | | | | DATED: |