Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: GRAPHICAL DP	Date Open: 08/31/2010	Task #: 20100402197567956795006	Request #: 20100402197567
Procedure: PLESS TWO BELLEVILLE IL KBLV		Airport ID: KBLV	Airport: SCOTT AFB/MIDAMERICA		Reimbursable #:
City: BELLEVILLE	ST: IL	GPS #:		Estimated Chart Date: 4/5/2012	FICO #:
Fac ID:	Fac. Type: Proc TR		Specialist: GRACE NOWAK		

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	12/06/2010	12/28/2011	JOSE ALFONSO	
QA:	12/19/2011			
Liaison:			Terrell	

P3

Procedure Comments:

Remark Type: INFORMATION

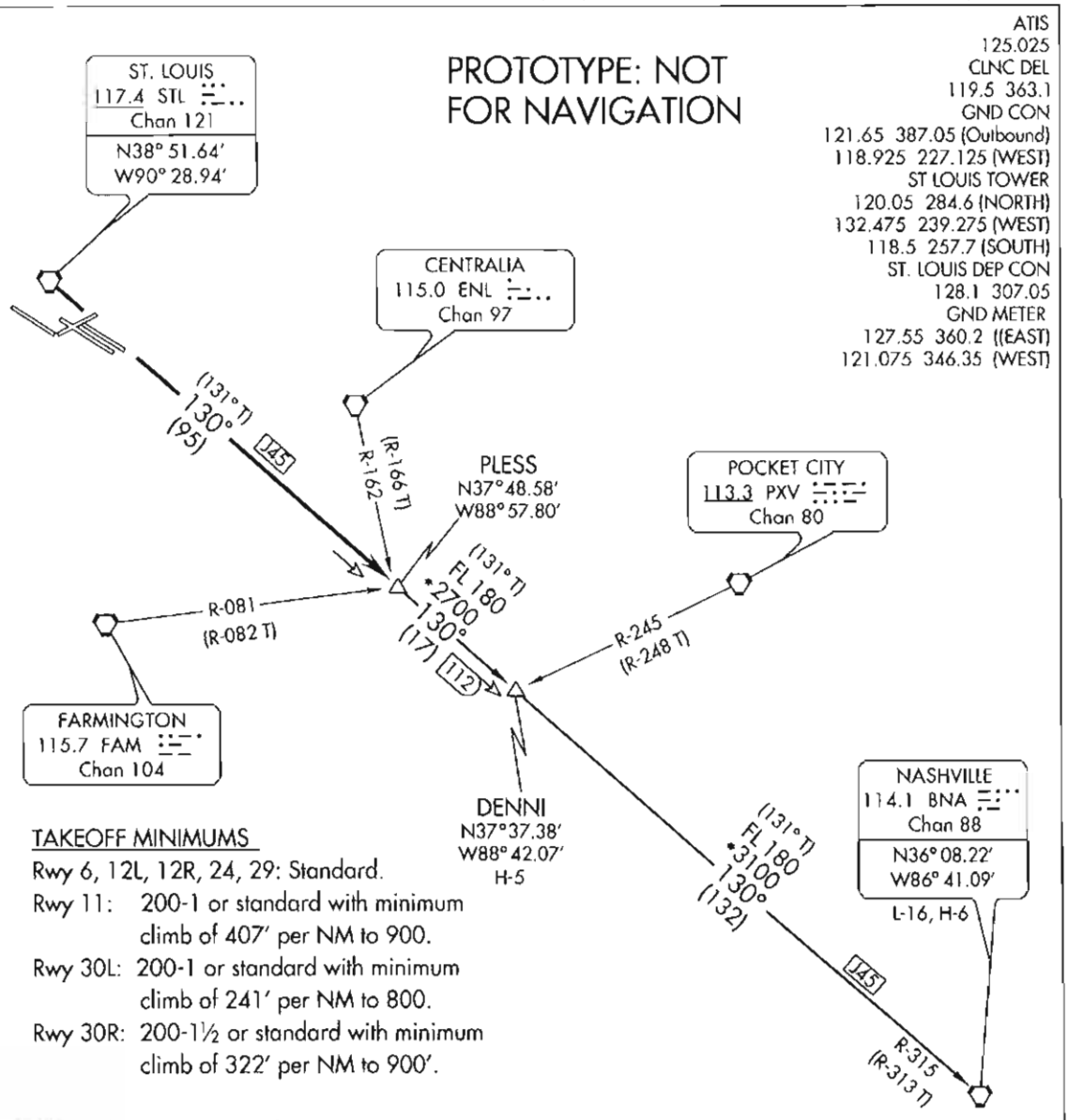
PKG 6 of 6

BELLEVILLE, IL SCOTT AFB/MIDAMERICA (KBLV) PLESS TWO (SID) ENROUTE-NO FC: 2.21.12 PUB: 4.5 12

ATTACHED FORMS: 8260-15B; 8260-15C; 8260-2(S): DENNI-INT, REV 5; PLESS-INT, REV 4; (INFO ONLY) CENTRALIA (ENL) VTAC, REV 13; FARMINGTON (FAM) VTAC, REV 9; NASHVILLE (BNA) VTAC, REV 17; POCKET CITY (PXV) VTAC, REV 8; ST LOUIS (STL) VTAC, REV 17.

CONTACT: JOSE ALFONSO/STEVE BARNETT, AJV-353 LEADS, 405.954.6378/9568:

PLESS TWO DEPARTURE



DEPARTURE ROUTE DESCRIPTION

Climb on assigned heading for vector to appropriate route. Maintain 5000 or assigned altitude, thence. . . .

. . . . From over STL VORTAC on STL R-130 to PLESS INT, then on (transition) or (assigned route). Expect clearance to filed altitude 10 minutes after departure.

DENNI TRANSITION (PLESS2.DENNI): From over PLESS INT on STL R-130 to DENNI INT.

NASHVILLE TRANSITION (PLESS2.BNA): From over PLESS INT on STL R-130 and BNA R-315 to BNA VORTAC.

TAKEOFF OBSTACLE NOTES

Rwy 6: Railroad 578′ from DER, 620′ left of centerline, 23′ AGL/557′ MSL.
OL on LDA and antenna on building 1038′ from DER, 706′ right of centerline 30′ AGL/598′ MSL.

Rwy 11: Multiple signs, trees, towers, and buildings beginning 2348′ from DER, 205′ left of centerline, up to 219′ AGL/774′ MSL.
Multiple signs, trees, towers, and buildings beginning 2363′ from DER, 489′ right of centerline, up to 114′ AGL/694′ MSL.

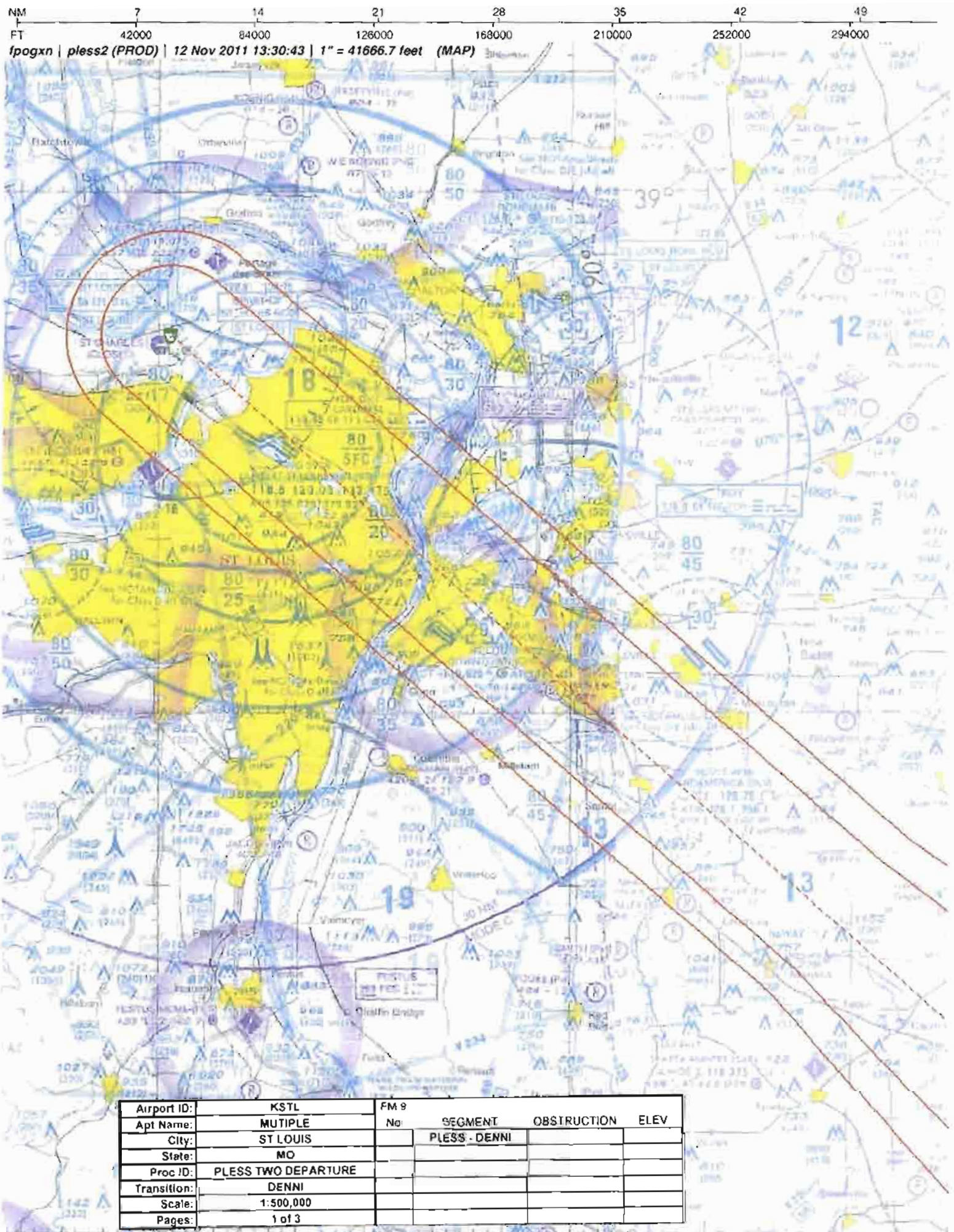
Rwy 12L: Tree 1331′ from DER, 667′ right of centerline, 75′ AGL/654′ MSL.

Rwy 12R: Traffic signal and sign beginning 1413′ from DER, 702′ right of centerline, up to 17′ AGL/672′ MSL.
Tree 1930′ from DER, 372′ left of centerline, 67′ AGL/636′ MSL.

Rwy 30L: Multiple trees, poles, and roads beginning 906′ from DER, 600′ left of centerline, up to 84′ AGL/663′ MSL.
OL on LOC 614′ from DER, on centerline, 9′ AGL/558′ MSL.
Multiple trees, poles, roads, terrain, and buildings beginning 283′ from DER, 185′ right of centerline, up to 65′ AGL/684′ MSL.

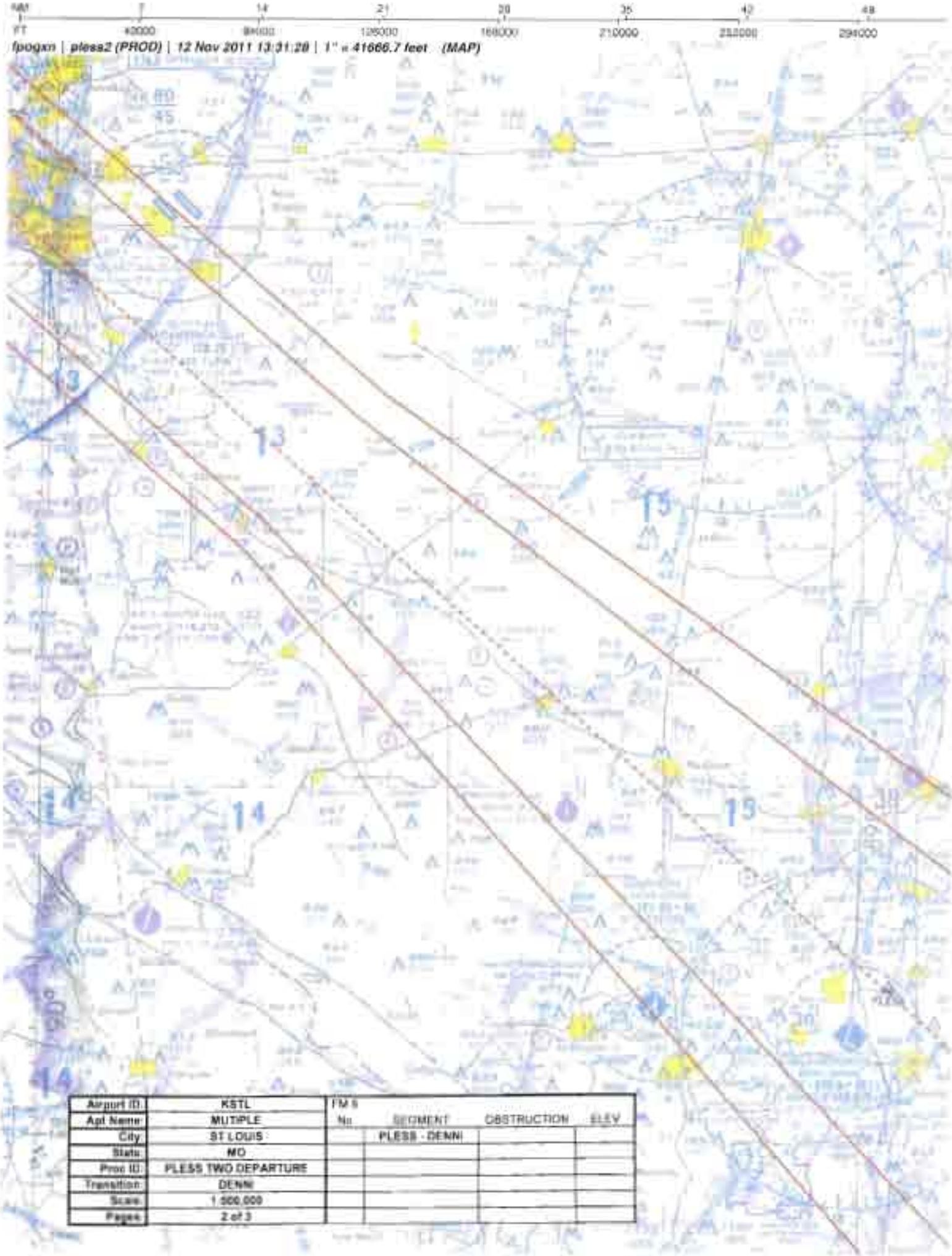
Rwy 30R: OL on GS 1895′ from DER, 899′ left of centerline, 28′ AGL/587′ MSL.
Multiple OL on buildings, trees, and electrical system beginning 2039′ from DER, 387′ right of centerline, up to 81′ AGL/670′ MSL.

PROTOTYPE: NOT
FOR NAVIGATION



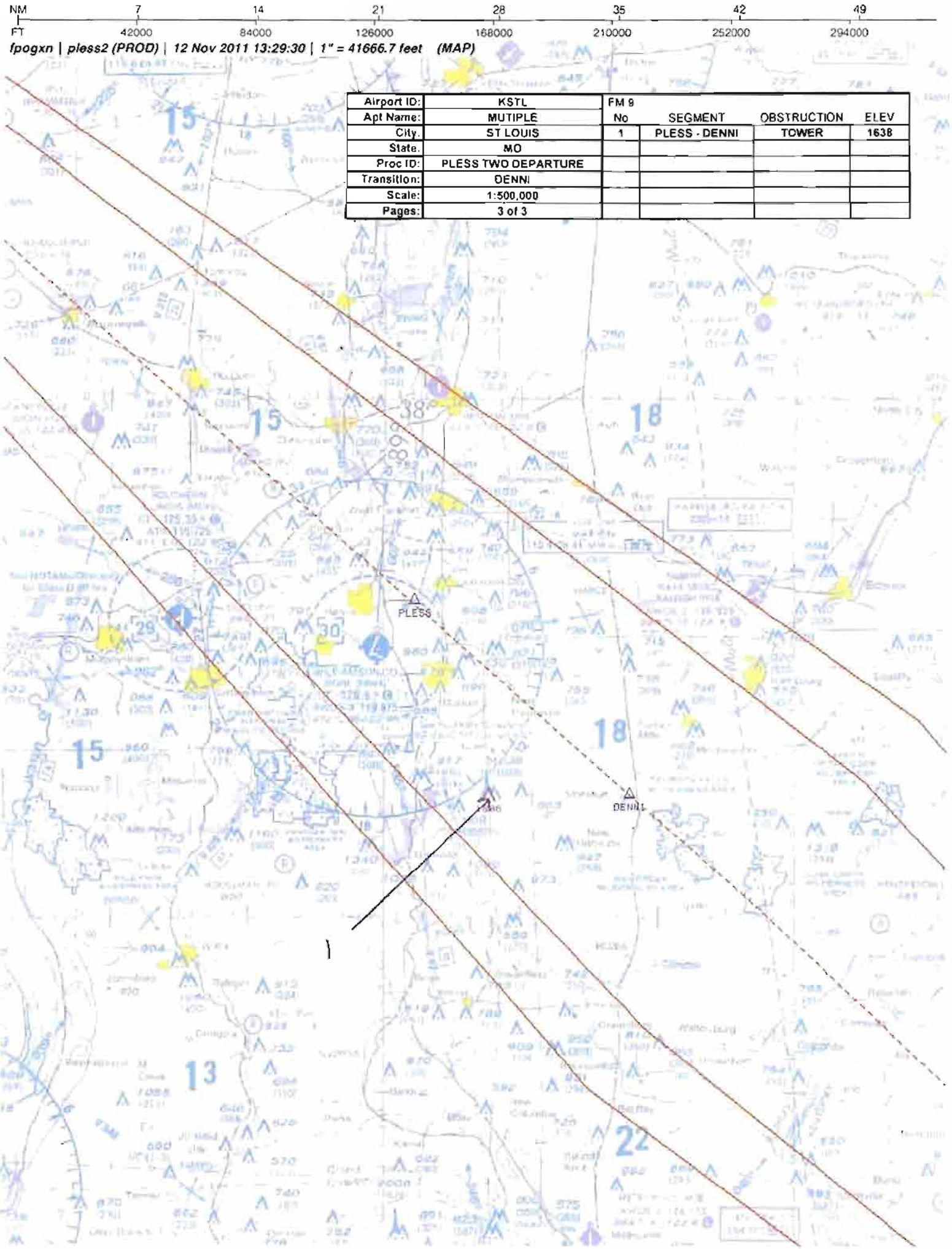
Airport ID:	KSTL
Apt Name:	MUTIPLE
City:	ST LOUIS
State:	MO
Proc ID:	PLESS TWO DEPARTURE
Transition:	DENNI
Scale:	1:500,000
Pages:	1 of 3

FM 9 No	SEGMENT	OBSTRUCTION	ELEV
	PLESS - DENNI		

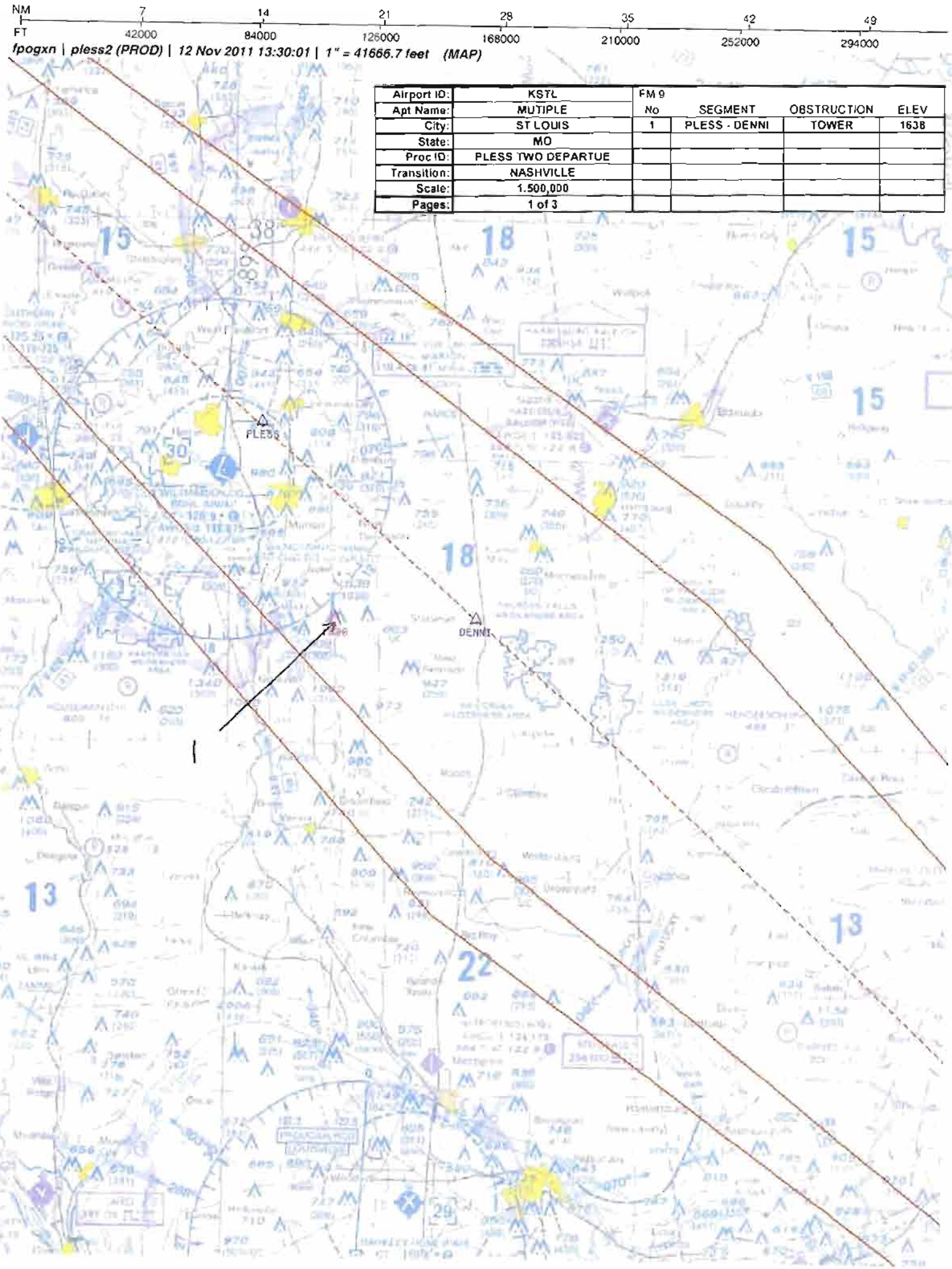


Airport ID:	KSTL
Apt Name:	MULTIPLE
City:	ST LOUIS
State:	MO
Proc ID:	PLESS TWO DEPARTURE
Transition:	DENNI
Scale:	1:500,000
Pages:	2 of 3

FM S No	SEGMENT	OBSTRUCTION	ELEV
	PLESS - DENNI		

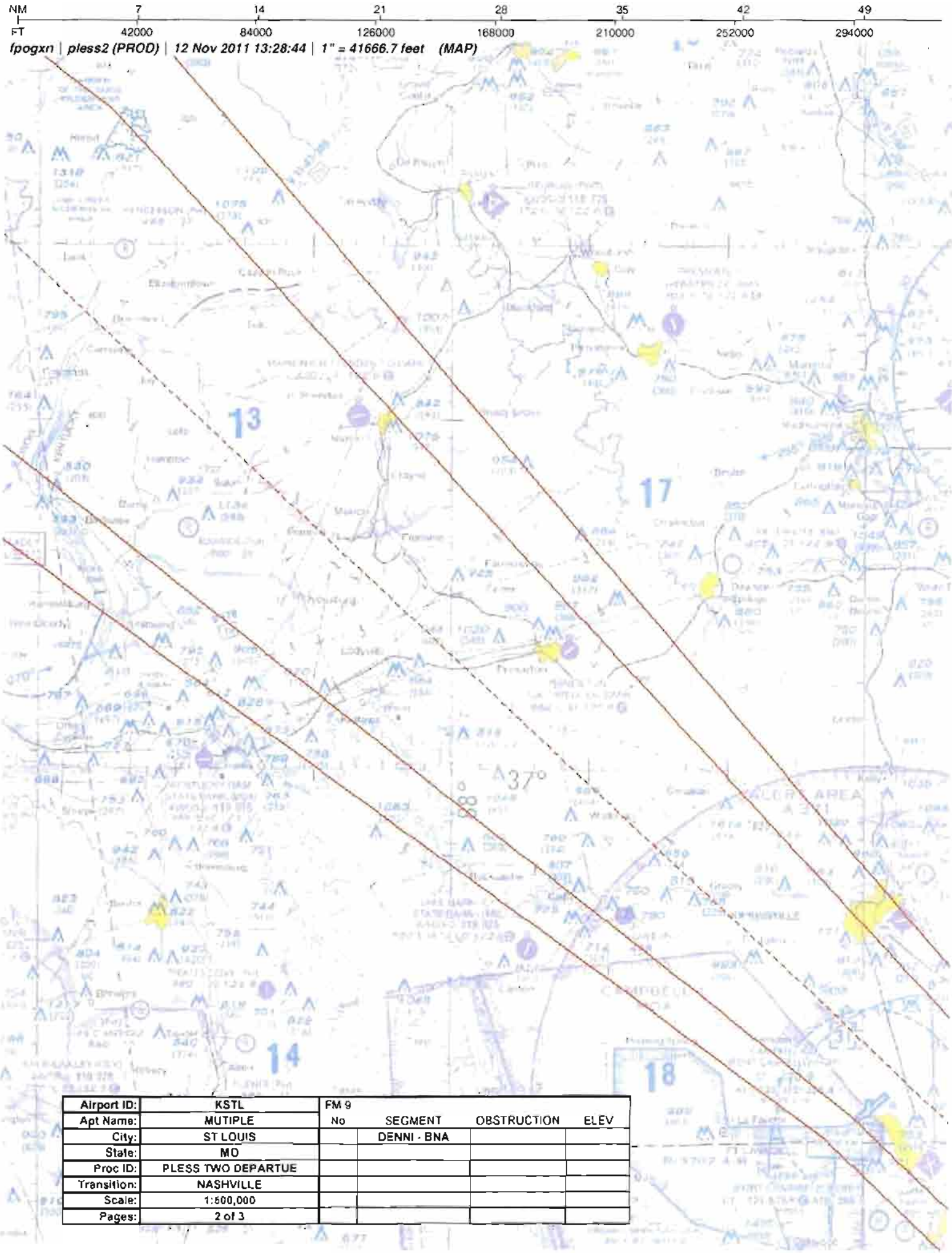


Airport ID:	KSTL	FM 9			
Apt Name:	MUTIPLE	No	SEGMENT	OBSTRUCTION	ELEV
City.	ST LOUIS	1	PLESS - DENNI	TOWER	1638
State.	MO				
Proc ID:	PLESS TWO DEPARTURE				
Transition:	DENNI				
Scale:	1:500,000				
Pages:	3 of 3				

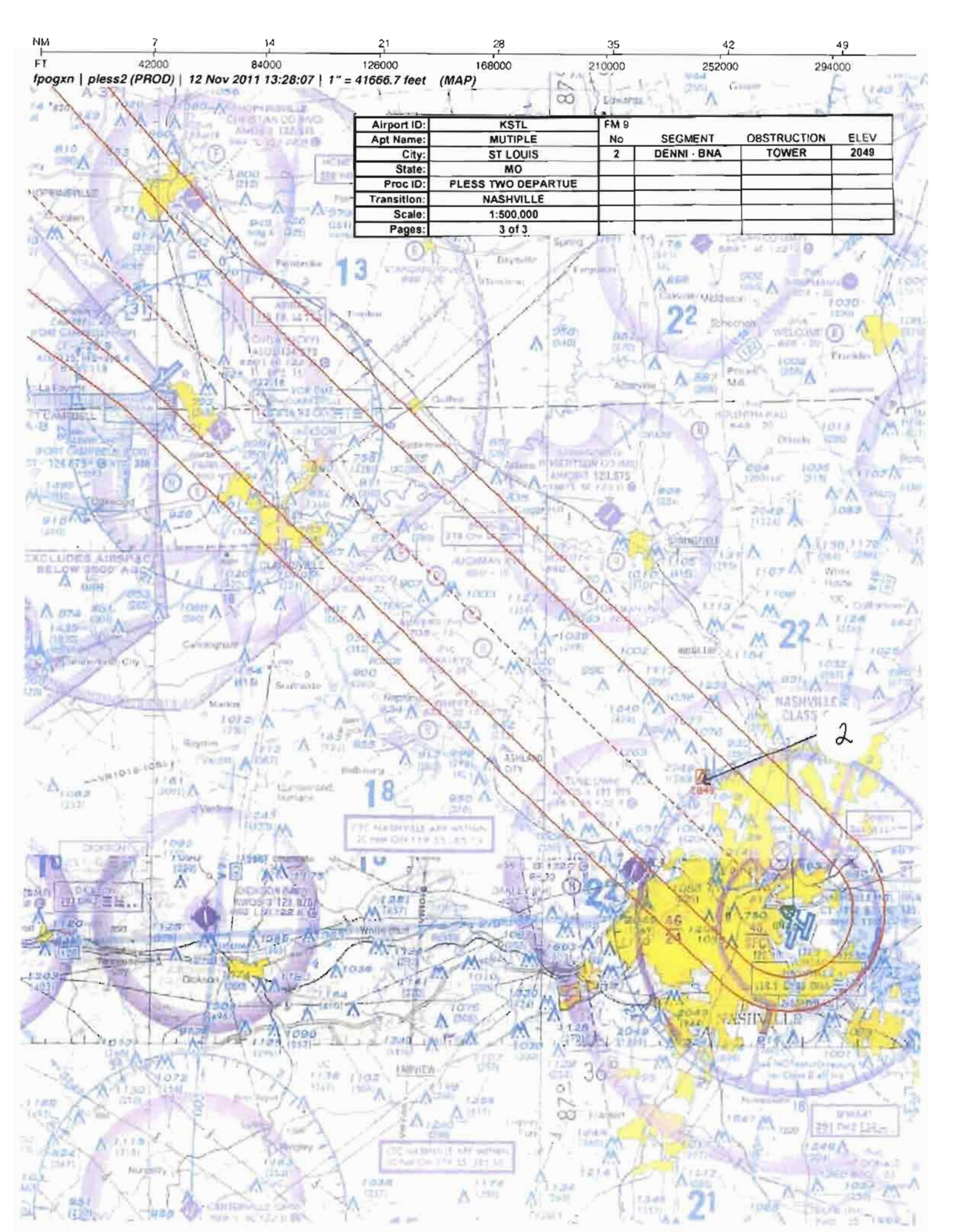


Airport ID:	KSTL
Apt Name:	MUTIPLE
City:	ST LOUIS
State:	MO
Proc ID:	PLESS TWO DEPARTUE
Transition:	NASHVILLE
Scale:	1:500,000
Pages:	1 of 3

FM 9 No	SEGMENT	OBSTRUCTION	ELEV
1	PLESS - DENNI	TOWER	1638



Airport ID:	KSTL	FM 9			
Apt Name:	MUTIPLE	No	SEGMENT	OBSTRUCTION	ELEV
City:	ST LOUIS		DENNI - BNA		
State:	MO				
Proc ID:	PLESS TWO DEPARTUE				
Transition:	NASHVILLE				
Scale:	1:500,000				
Pages:	2 of 3				


NM 7 14 21 28 35 42 49
FT 42000 84000 126000 168000 210000 252000 294000
fpogxn | pless2 (PROD) | 12 Nov 2011 13:28:07 | 1" = 41666.7 feet (MAP)
Airport ID: KSTL
Apt Name: MUTIPLE
City: ST LOUIS
State: MO
Proc ID: PLESS TWO DEPARTUE
Transition: NASHVILLE
Scale: 1:500,000
Pages: 3 of 3
FM 9
No SEGMENT OBSTRUCTION ELEV
2 DENNI - BNA TOWER 2049
2
NASHVILLE

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation 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 statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
PLESS	TWO	PLESS2.STL	ONE	02/04/1993	

TYPE: SID

DP ROUTE DESCRIPTION:

DEPARTING LAMBERT-ST LOUIS INTL: CLIMB ON ASSIGNED HEADING FOR VECTOR TO APPROPRIATE ROUTE. MAINTAIN 5000 OR ASSIGNED ALTITUDE, THENCE...

DEPARTING SPIRIT OF ST LOUIS: CLIMB ON ASSIGNED HEADING FOR VECTOR TO APPROPRIATE ROUTE, MAINTAIN 2500 OR ASSIGNED ALTITUDE, THENCE...

DEPARTING ST LOUIS RGNL: CLIMB ON ASSIGNED HEADING FOR VECTOR TO APPROPRIATE ROUTE, MAINTAIN 2500 OR ASSIGNED ALTITUDE, THENCE...

DEPARTING SCOTT AFB/MIDAMERICA: CLIMB ON ASSIGNED HEADING FOR VECTOR TO APPROPRIATE ROUTE, MAINTAIN 3000 OR ASSIGNED ALTITUDE, THENCE...

DEPARTING ST LOUIS DOWNTOWN:

RWY 5 - CLIMB HEADING 046.96 TO 900 BEFORE TURNING LEFT, THEN CLIMB AND MAINTAIN 2500 OR ASSIGNED ALTITUDE. EXPECT VECTOR TO APPROPRIATE ROUTE, THENCE...

RWY 12L, 12R - CLIMB HEADING 122.21 TO 1000 BEFORE TURNING LEFT, THEN CLIMB AND MAINTAIN 2500 OR ASSIGNED ALTITUDE. EXPECT VECTOR TO APPROPRIATE ROUTE, THENCE...

RWY 23 - CLIMB HEADING 226.97 TO 2000 BEFORE TURNING, THEN CLIMB AND MAINTAIN 2500 OR ASSIGNED ALTITUDE. EXPECT VECTOR TO APPROPRIATE ROUTE, THENCE...

RWY 30L, 30R - CLIMB HEADING 302.22 TO 1600 BEFORE TURNING, THEN CLIMB AND MAINTAIN 2500 OR ASSIGNED ALTITUDE. EXPECT VECTOR TO APPROPRIATE ROUTE, THENCE...

... FROM OVER STL VORTAC ON STL R-130 TO PLESS INT, THEN ON (TRANSITION) OR (ASSIGNED ROUTE). EXPECT CLEARANCE TO FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
DENNI	PLESS2.DENNI	PLESS	DENNI	129.82 (STL R-130)	16.77	FL180	2700	
NASHVILLE	PLESS2.BNA	PLESS	DENNI	129.82 (STL R-130)	16.77	FL180	2700	
		DENNI	BNA VORTAC	129.82 & 315.14 (STL R-130 & BNA R-315)	131.71	FL180	3100	

QUALITY 4 CHECKED

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
PLESS	TWO	PLESS2.STL	ONE	02/04/1993	

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTE: FOR TURBOJET AIRCRAFT ONLY. **NOTE:** DME AND RADAR REQUIRED.

LAMBERT-ST LOUIS INTL: RWY 6, 12L, 12R, 24, 29, STANDARD. **RWY 11,** 200-1 OR STANDARD WITH MINIMUM CLIMB OF 407 FT PER NM TO 900. **RWY 30L,** 200-1 OR STANDARD WITH MINIMUM CLIMB OF 241 FT PER NM TO 800. **RWY 30R,** 200-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 322 FT PER NM TO 900.

SPIRIT OF ST LOUIS: RWY 8L, 26R, STANDARD. **RWY 8R,** 200-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 238 FT PER NM TO 700. **RWY 26L,** 200-2 OR STANDARD WITH MINIMUM CLIMB OF 231 FT PER NM TO 900.

ST LOUIS RGNL: RWY 11, 17, 29, 35, STANDARD.

SCOTT AFB/ MIDAMERICA: RWY 14L, 14R, 32R, STANDARD. **RWY 32L,** 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 250 FT PER NM TO 800.

ST LOUIS DOWNTOWN: RWY 12L, 12R, 23, 30R, STANDARD. **RWY 5,** 200-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 343 FT PER NM TO 700. **RWY 30L,** 400-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 220 FT PER NM TO 900, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2100 FT PRIOR TO DER.

TAKEOFF OBSTACLES NOTES:

LAMBERT-ST LOUIS INTL: NOTE: RWY 6, RAILROAD 578 FT FROM DER, 620 FT LEFT OF CENTERLINE, 23 FT AGL/557 FT MSL. OL ON LDA AND ANTENNA ON BLDG 1038 FT FROM DER, 706 FT RIGHT OF CENTERLINE, 30 FT AGL/598 FT MSL. **NOTE: RWY 11,** MULTIPLE SIGNS, TREES, TOWERS, AND BUILDINGS BEGINNING 2348 FT FROM DER, 205 FT LEFT OF CENTERLINE, UP TO 219 FT AGL/774 MSL. MULTIPLE SIGNS, TREES, TOWERS, AND BLDGS BEGINNING 2363 FT FROM DER, 489 FT RIGHT OF CENTERLINE, UP TO 114 FT AGL/694 FT MSL. **NOTE: RWY 12L,** TREE 1331 FT FROM DER, 667 FT RIGHT OF CENTERLINE, 75 FT AGL/654 FT MSL. **NOTE; RWY 12R,** TRAFFIC SIGNAL AND SIGN BEGINNING 1413 FT FROM DER, 702 FT RIGHT OF CENTERLINE, UP TO 17 FT AGL/672 FT MSL. TREE 1930 FT FROM DER, 372 LEFT OF CENTERLINE, 67 FT AGL/636 FT MSL. **NOTE: RWY 30L,** MULTIPLE TREES, POLES, AND ROADS BEGINNING 906 FT FROM DER, 600 FT LEFT OF CENTERLINE, UP TO 84 FT AGL/663 FT MSL. OL ON LOC 614 FT FROM DER, ON CENTERLINE, 9 FT AGL/558 FT MSL. MULTIPLE TREES, POLES, ROADS, TERRAIN, AND BLDGS BEGINNING 283 FT FROM DER, 185 FT RIGHT OF CENTERLINE, UP TO 65 FT AGL/684 FT MSL. **NOTE: RWY 30R,** OL ON GS 1895 FT FROM DER, 899 FT LEFT OF CENTERLINE, 28 FT AGL/587 FT MSL, MULTIPLE OL ON BLDGS, TREES, AND ELECTRICAL SYSTEM BEGINNING 2039 FT FROM DER, 387 FT RIGHT OF CENTERLINE, UP TO 81 FT AGL/670 FT MSL.

SPIRIT OF ST LOUIS: NOTE: RWY 8L, MULTIPLE TREES BEGINNING 1245 FT FROM DER, 52 FT LEFT OF CENTERLINE, UP TO 74 FT AGL/533 FT MSL. MULTIPLE TREES AND FENCE BEGINNING 46 FT FROM DER, 72 FT RIGHT OF CENTERLINE, UP TO 57 FT AGL/516 FT MSL. **NOTE: RWY 8R,** RAILROAD AND ANT ON BLDG BEGINNING 142 FT FROM DER, 18 FT LEFT OF CENTERLINE, UP TO 33 FT AGL/482 FT MSL. **NOTE: 26L,** TREE 2239 FT FROM DER, 509 FT RIGHT OF CENTRLINE, UP TO 62 FT AGL/521 FT MSL. **NOTE: RWY 26R,** MULTIPLE TREES BEGINNING 1898 FT FROM DER, 18 FT LEFT OF CENTERLINE, UP TO 130 FT AGL/589 FT MSL. MULTIPLE TREES BEGINNING 32 FT FROM DER, 41 FT RIGHT OF CENTERLINE, UP TO 142 FT AGL/601 FT MSL.

ST LOUIS RGNL: NOTE: RWY 11, TREE AND POLE BEGINNING 1066 FT FROM DER, 668 FT LEFT OF CENTERLINE, UP TO 76 FT AGL/575 FT MSL. TREE 2822 FT FROM DER, 933 FT RIGHT OF CENTERLINE, 100 FT AGL/629 FT MSL. **NOTE: RWY 17,** TREES BEGINNING 1063 FT FROM DER, 282 FT LEFT OF CENTERLINE, UP TO 67 FT AGL/606 FT MSL. TREES BEGINNING 1321 FT FROM DER, 115 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/621 FT MSL. **NOTE: RWY 29,** TREES AND FLOODLIGHT ON HANGAR BEGINNING 665 FT FROM DER, 472 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/649 FT MSL. TREES BEGINNING 1570 FT FROM DER, 204 FT RIGHT OF CENTERLINE, UP TO 75 FT AGL/604 FT MSL. **NOTE: RWY 35,** TREES BEGINNING 1286 FT FROM DER, 477 FT LEFT OF CENTERLINE, UP TO 67 FT AGL/ 596 FT MSL.

SCOTT AFB/ MIDAMERICA: NOTE: RWY 32L, TREE 1.2 NM FROM DER, 2285 FT LEFT OF CENTERLINE, 100 FT AGL/669 FT MSL. **NOTE: RWY 32R,** TREES BEGINNING 352 FT FROM DER, 198 FT LEFT OF CENTERLINE, UP TO 77 FT AGL/501 MSL. TREES BEGINNING 1349 FT FROM DER, 439 FT RIGHT OF CENTERLINE, UP TO 94 FT AGL/516 FT MSL.

ST LOUIS DOWNTOWN: NOTE: RWY 5, OL ON TRANSMISSION TOWER 1649 FT FROM DER, 19 FT LEFT OF CENTERLINE, 79 FT AGL/482 FT MSL. TRANSMISSION TOWER 324 FT

QUALITY CHECKED

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
PLESS	TWO	PLESS2.STL	ONE	02/04/1993	

FROM DER, 79 FT RIGHT OF CENTERLINE, 78 FT AGL/487 FT MSL. **NOTE: RWY 12L**, TREE 1629 FT FROM DER, 144 FT LEFT OF CENTERLINE, 45 FT AGL/453 FT MSL. **NOTE: RWY 12R**, TREE 3822 FT FROM DER, 20 FT LEFT OF CENTERLINE, 94 FT AGL/509 FT MSL. TREE 2082 FT FROM DER, 927 FT RIGHT OF CENTERLINE, 69 FT AGL/486 FT MSL. **NOTE: RWY 23**, MULTIPLE TREES BEGINNING 815 FT FROM DER, 69 FT LEFT OF CENTERLINE, UP TO 56 FT AGL/470 FT MSL. MULTIPLE TREES BEGINNING 740 FT FROM DER, 4 FT RIGHT OF CENTERLINE, UP TO 78 FT AGL/492 FT NSL. **NOTE: RWY 30L**, MULTIPLE TREES BEGINNING 2510 FT FROM DER, 503 FT LEFT OF CENTERLINE, UP TO 107 FT AGL/521 FT MSL. MULTIPLE TREES BEGINNING 737 FT FROM DER, 32 FT RIGHT OF CENTERLINE, UP TO 99 FT AGL/508 FT MSL.

CONTROLLING OBSTACLES:

LAMBERT-ST LOUIS INTL: RWY 11, 724 FT MSL ANTENNA ON OL ATCT 384438.85N-0902218.22W, 774 FT MSL ANTENNA ON OL ATCT 384435.63N-0902157.83W. **RWY 30L**, 697 FT MSL TREE 384537.92N-0902342.99W. **RWY 30R**, 741 FT MSL OL ON ANTENNA 384547.53N-0902242.62W, 714 FT MSL TREE 384550.55N-0902301.69W.

SPIRIT OF ST LOUIS: RWY 8R, 626 FT MSL TREE 383936.62N-0903651.82W, **RWY 26L**, 759 FT MSL TREE 383841.22N-0904132.85W.

SCOTT AFB/ MIDAMERICA: RWY 32L, 699 FT MSL TREE 383345.00N-0895309.00W.

ST LOUIS DOWNTOWN: RWY 5, 573 FT MSL TOWER 383506.00N-0900843.00W.
RWY 12L, 12R, 883 FT MSL TOWER 383348.00N-0900515.00W, **RWY 30L**, 772 FT MSL TOWER 383526.00N-0901221.00W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 5: 1075 FT MSL ARCH 383729.00N-0901108.00W. **RWY 12L, 12R:** 883 FT MSL TOWER 383348.00N-0900515.00W. **RWY 23:** 1649 FT MSL TOWER 383450.00N-0901954.00W, 1637 FT MSL TOWER 383147.00N-0901758.00W. **RWY 30L, 30R:** 1649 FT MSL TOWER 383450.00N-0901945.00W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART: J45.

AIRPORTS SERVED:

LAMBERT-ST LOUIS INTL	ST. LOUIS, MO
SPIRIT OF ST LOUIS	ST. LOUIS, MO
ST LOUIS RGNL	ALTON/ ST. LOUIS, IL
SCOTT AFB/MIDAMERICA	BELLEVILLE, IL
ST LOUIS DOWNTOWN	CAHOKIA/ST. LOUIS, IL

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON, TWR, DEP CON, CTAF, GND METER.

FIXES AND/OR NAVAIDS:

PXV VORTAC.

QUALITY 4 CHECKED

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
PLESS	TWO	PLESS2.STL	ONE	02/04/1993	

REMARKS:

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:
ROUTINE

DEVELOPED BY:
STEVE BARNETT (GRACE NOWAK) AJV-353 10/12/2011

APPROVED BY:
LARRY STROUT AJV-353

COORDINATED WITH:
ATA, ALPA, APA, AOPA, NBAA, STL ATCT, STL DEP CON, STL APP CON, ZKC, AMGR, ALN TWR, BLV TWR, CPS TWR, SUS TWR.

CHANGES:

1. REFORMATTED DP ROUTE DESCRIPTIONS FOR ALL AIRPORTS.
2. ADDED DETAILED CLIMB OUT INSTRUCTIONS FOR ST LOUIS DOWNTOWN (KCPS).
3. ADDED TAKEOFF MINIMUMS, TAKEOFF OBSTACLE NOTES, AND CONTROLLING OBSTACLES FOR ALL AIRPORTS.
4. CHANGED CLIMB TO ALTITUDE FOR BLV FROM 2500 TO 3000.
5. REMOVED ENL AND FAM VORTAC'S FROM CHARTING AND ADDED NOTE: DME AND RADAR REQUIRED.
6. ADDED MOCA'S.

REASONS:

1. IAW 8260.46D APX D, SECTION 2.
2. TO REFLECT CURRENT INSTRUCTIONS FROM THE KCPS ODP.
3. IAW 8260.46D APX D, SECTION 2.
4. ATC REQUEST.
5. INSUFFICIENT DIVERGENCE ANGLE WITH STL VORTAC AND DME AND RADAR NOTE WAS MISSING.
6. IAW WITH 8260.46D, APPENDIX E, SECTION 2.

03/08/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/12/2011.
CHANGED DENNI TRANSITION MEA FROM 5000 TO FL180.
CHANGED NASHVILLE TRANSITION, PLESS TO DENNI, MEA FROM 5000 TO FL180.

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
PLESS	TWO	PLESS2.STL	ONE	02/04/1993	

ARINC PACKET - 424-18 - SID

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAD        STL   K3011740VTHA N38513848W090285652    N38513848W090285652E0010004502     NARST LOUIS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
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        SUSAEAENRT   PLESS K50    C   H N37483448W088574748                    W0019     NAR           PLESS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KSUSK3DPLESS22ALL   020PLESSK5EA0EE     TF                    1300
        SUSAP KSUSK3DPLESS23BNA   010PLESSK5EA0E      IF                                          18000
        SUSAP KSUSK3DPLESS23BNA   020DENNIK5EA0E      TF                    12980168
        SUSAP KSUSK3DPLESS23BNA   030BNA  K7D 0VE     TF                    12981317
        SUSAP KSUSK3DPLESS23DENNI 010PLESSK5EA0E      IF                                          18000
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                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSUSK3GRW08L   0050000761 N38395090W090400582+0000    +01099004630000041075R
        SUSAP KSUSK3GRW08R   0074860761 N38392771W090393509+0000    +01094004610000055150IISUS1
        SUSAP KSUSK3GRW26L   0074862561 N38394201W090380869+0000    +01096004620481551501IFZU1
        SUSAP KSUSK3GRW26R   0050002561 N38400111W090390414+0000    +01099004630000047075R
```

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
PLESS	TWO	PLESS2.STL	ONE	02/04/1993	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	STL	010		IF		FB					
	ALL	PLESS	020		TF		FB		130.0()			
	BNA	PLESS	010		IF		FB					
	BNA	DENNI	020		TF		FB		129.8()	016.8		
	BNA	BNA	030		TF		FB		129.8()	131.7		
	DENNI	PLESS	010		IF		FB					
	DENNI	DENNI	020		TF		FB		129.8()	016.8		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BNA	N360813.06	W0864105.18	N3608.218	W08641.086
	STL	N385138.48	W0902856.52	N3851.641	W09028.942
	DENNI	N373722.84	W0884203.90	N3737.381	W08842.065
	PLESS	N374834.48	W0885747.48	N3748.575	W08857.791
	RW08L	N383950.90	W0904005.82	N3839.848	W09040.097
	RW08R	N383927.71	W0903935.09	N3839.462	W09039.585
	RW26L	N383942.01	W0903808.69	N3839.700	W09038.145
	RW26R	N384001.11	W0903904.14	N3840.019	W09039.069

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08L	00463	41
	RW08R	00461	55
	RW26L	00462	55
	RW26R	00463	47

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
PLESS	TWO	PLESS2.STL	ONE	02/04/1993	

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        BNA   K7011410VTH  N36081306W086410518    N36081306W086410518W0020005662     NARNASHVILLE
        SUSAD        STL   K3011740VTHA N38513848W090285652    N38513848W090285652E0010004502     NARST LOUIS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   DENNI K50    R   H N37372284W088420390                    W0021     NAR           DENNI
        SUSAEAENRT   PLESS K50    C   H N37483448W088574748                    W0019     NAR           PLESS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTLK3ASTL     0     110YHN38445531W090221210E000000618         1800018000C    MNAR    LAMBERT-ST LOUIS INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTLK3DPLESS22ALL   010STL  K3D 0V      IF                                          18000
        SUSAP KSTLK3DPLESS22ALL   020PLESSK5EA0EE     TF                   1300
        SUSAP KSTLK3DPLESS23BNA   010PLESSK5EA0E      IF                                          18000
        SUSAP KSTLK3DPLESS23BNA   020DENNIK5EA0E      TF                   12980168
        SUSAP KSTLK3DPLESS23BNA   030BNA  K7D 0VE     TF                   12981317
        SUSAP KSTLK3DPLESS23DENNI 010PLESSK5EA0E      IF                                          18000
        SUSAP KSTLK3DPLESS23DENNI 020DENNIK5EA0EE     TF                   12980168

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTLK3GRW06    0076070628 N38444804W090225243-0200    +013660055100004615OIIJAK1
        SUSAP KSTLK3GRW11    0090011222 N38453583W090243555-0700    +015700061800059150IIOGZ3
        SUSAP KSTLK3GRW12L   0090031222 N38450641W090215866+0800    +012970052800005415OIILDZ3
        SUSAP KSTLK3GRW12R   0110191222 N38451159W090223998+0400    +013320054004675420OIILMR1
        SUSAP KSTLK3GRW24    0076072428 N38452238W090212702+0200    +013130053400005015OIISTL1
        SUSAP KSTLK3GRW29    0090013022 N38444846W090225939+0700    +013810055600005615OIIRQN1
        SUSAP KSTLK3GRW30L   0110193022 N38441708W090204942-0400    +014630058302015820OIIBKY1    IRMKL
        SUSAP KSTLK3GRW30R   0090033022 N38441899W090202251-0800    +015290060500005715OIISJW3
```

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
PLESS	TWO	PLESS2.STL	ONE	02/04/1993	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	STL	010		IF		FB					
	ALL	PLESS	020		TF		FB		130.0()			
	BNA	PLESS	010		IF		FB					
	BNA	DENNI	020		TF		FB		129.8()	016.8		
	BNA	BNA	030		TF		FB		129.8()	131.7		
	DENNI	PLESS	010		IF		FB					
	DENNI	DENNI	020		TF		FB		129.8()	016.8		

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
BNA	N360813.06	W0864105.18	N3608.218	W08641.086
STL	N385138.48	W0902856.52	N3851.641	W09028.942
DENNI	N373722.84	W0884203.90	N3737.381	W08842.065
PLESS	N374834.48	W0885747.48	N3748.575	W08857.791
RW06	N384448.04	W0902252.43	N3844.801	W09022.874
RW11	N384535.83	W0902435.55	N3845.597	W09024.593
RW12L	N384506.41	W0902158.66	N3845.107	W09021.978
RW12R	N384511.59	W0902239.98	N3845.193	W09022.666
RW24	N384522.38	W0902127.02	N3845.373	W09021.450
RW29	N384448.46	W0902259.39	N3844.808	W09022.990
RW30L	N384417.08	W0902049.42	N3844.285	W09020.824
RW30R	N384418.99	W0902022.51	N3844.317	W09020.375

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW06	00551	46
RW11	00618	59
RW12L	00528	54
RW12R	00540	54
RW24	00534	50
RW29	00556	56
RW30L	00583	58
RW30R	00605	57

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
PLESS	TWO	PLESS2.STL	ONE	02/04/1993	

ARINC PACKET - 424-18 - SID

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD        BNA   K7011410VTH  N36081306W086410518    N36081306W086410518W0020005662     NARNASHVILLE
          SUSAD        STL   K3011740VTHA N38513848W090285652    N38513848W090285652E0010004502     NARST LOUIS

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   DENNI K50    R   H N37372284W088420390                    W0021     NAR           DENNI
          SUSAEAENRT   PLESS K50    C   H N37483448W088574748                    W0019     NAR           PLESS

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCPSK5ACPS     0     069YHN38341331W090091829E000000413         18000018000C    MNAR    ST LOUIS DOWNTOWN

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCPSK5DPLESS22ALL   010STL  K3D 0V      IF                                          18000
          SUSAP KCPSK5DPLESS22ALL   020PLESSK5EA0EE     TF                   1300
          SUSAP KCPSK5DPLESS23BNA   010PLESSK5EA0E      IF                                          18000
          SUSAP KCPSK5DPLESS23BNA   020DENNIK5EA0E      TF                   12980168
          SUSAP KCPSK5DPLESS23BNA   030BNA  K7D 0VE     TF                   12981317
          SUSAP KCPSK5DPLESS23DENNI 010PLESSK5EA0E      IF                                          18000
          SUSAP KCPSK5DPLESS23DENNI 020DENNIK5EA0EE     TF                   12980168

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KCPSK5GRW05    0027990470 N38342048W090100672+0000    +0094100410000050075D
          SUSAP KCPSK5GRW12L   0053001222 N38342559W090092956-0100    +0094200411000050075D
          SUSAP KCPSK5GRW12R   0069971222 N38342639W090095419-0100    +0095000413000050100R
          SUSAP KCPSK5GRW23    0027992270 N38343937W090094096+0000    +0093700409000050075D
          SUSAP KCPSK5GRW30L   0069973022 N38334952W090083966+0100    +00937004090000055100IICPS1
          SUSAP KCPSK5GRW30R   0053003022 N38335765W090083309+0100    +0093200407000040075R
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DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
PLESS	TWO	PLESS2.STL	ONE	02/04/1993	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	STL	010		IF		FB					
	ALL	PLESS	020		TF		FB		130.0()			
	BNA	PLESS	010		IF		FB					
	BNA	DENNI	020		TF		FB		129.8()	016.8		
	BNA	BNA	030		TF		FB		129.8()	131.7		
	DENNI	PLESS	010		IF		FB					
	DENNI	DENNI	020		TF		FB		129.8()	016.8		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BNA	N360813.06	W0864105.18	N3608.218	W08641.086
	STL	N385138.48	W0902856.52	N3851.641	W09028.942
	DENNI	N373722.84	W0884203.90	N3737.381	W08842.065
	PLESS	N374834.48	W0885747.48	N3748.575	W08857.791
	RW05	N383420.48	W0901006.72	N3834.341	W09010.112
	RW12L	N383425.59	W0900929.56	N3834.427	W09009.493
	RW12R	N383426.39	W0900954.19	N3834.440	W09009.903
	RW23	N383439.37	W0900940.96	N3834.656	W09009.683
	RW30L	N383349.52	W0900839.66	N3833.825	W09008.661
	RW30R	N383357.65	W0900833.09	N3833.961	W09008.552

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW05	00410	50
	RW12L	00411	50
	RW12R	00413	50
	RW23	00409	50
	RW30L	00409	55
	RW30R	00407	40

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
PLESS	TWO	PLESS2.STL	ONE	02/04/1993	

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        BNA   K7011410VTH  N36081306W086410518    N36081306W086410518W0020005662     NARNASHVILLE
        SUSAD        STL   K3011740VTHA N38513848W090285652    N38513848W090285652E0010004502     NARST LOUIS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   DENNI K50    R   H N37372284W088420390                    W0021     NAR           DENNI
        SUSAEAENRT   PLESS K50    C   H N37483448W088574748                    W0019     NAR           PLESS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBLVK5ABLV     0     100YHN38324260W089500670E002000459         1800018000C    MNAR    SCOTT AFB/MIDAMERICA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBLVK5DPLESS22ALL   010STL  K3D 0V      IF                                    18000
        SUSAP KBLVK5DPLESS22ALL   020PLESSK5EA0EE     TF                1300
        SUSAP KBLVK5DPLESS23BNA   010PLESSK5EA0E      IF                                    18000
        SUSAP KBLVK5DPLESS23BNA   020DENNIK5EA0E      TF                12980168
        SUSAP KBLVK5DPLESS23BNA   030BNA  K7D 0VE     TF                12981317
        SUSAP KBLVK5DPLESS23DENNI 010PLESSK5EA0E      IF                                    18000
        SUSAP KBLVK5DPLESS23DENNI 020DENNIK5EA0EE     TF                12980168

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KBLVK5GRW14L   0100001346 N38332231W089500059+0000    +0103900441000055150IIBTC1
        SUSAP KBLVK5GRW14R   0080111345 N38330658W089514299-0300    +0109200459000051150IIOXK1
        SUSAP KBLVK5GRW32L   0080113145 N38321061W089503544+0300    +0102600437021057150IIBLV1
        SUSAP KBLVK5GRW32R   0100003146 N38321054W089483404+0000    +0104000442000055150IIJDU1
```

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
PLESS	TWO	PLESS2.STL	ONE	02/04/1993	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	STL	010		IF		FB					
	ALL	PLESS	020		TF		FB		130.0()			
	BNA	PLESS	010		IF		FB					
	BNA	DENNI	020		TF		FB		129.8()	016.8		
	BNA	BNA	030		TF		FB		129.8()	131.7		
	DENNI	PLESS	010		IF		FB					
	DENNI	DENNI	020		TF		FB		129.8()	016.8		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BNA	N360813.06	W0864105.18	N3608.218	W08641.086
	STL	N385138.48	W0902856.52	N3851.641	W09028.942
	DENNI	N373722.84	W0884203.90	N3737.381	W08842.065
	PLESS	N374834.48	W0885747.48	N3748.575	W08857.791
	RW14L	N383322.31	W0895000.59	N3833.372	W08950.010
	RW14R	N383306.58	W0895142.99	N3833.110	W08951.717
	RW32L	N383210.61	W0895035.44	N3832.177	W08950.591
	RW32R	N383210.54	W0894834.04	N3832.176	W08948.567

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW14L	00441	55
	RW14R	00459	51
	RW32L	00437	57
	RW32R	00442	55

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
PLESS	TWO	PLESS2.STL	ONE	02/04/1993	

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        BNA   K7011410VTH  N36081306W086410518    N36081306W086410518W0020005662     NARNASHVILLE
        SUSAD        STL   K3011740VTHA N38513848W090285652    N38513848W090285652E0010004502     NARST LOUIS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   DENNI K50    R   H N37372284W088420390                    W0021     NAR           DENNI
        SUSAEAENRT   PLESS K50    C   H N37483448W088574748                    W0019     NAR           PLESS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KALNK5AALN     0     080YHN38532370W090024556W001000545        1800018000C    MNAR    ST LOUIS RGNL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KALNK5DPLESS22ALL   010STL  K3D 0V      IF                                          18000
        SUSAP KALNK5DPLESS22ALL   020PLESSK5EA0EE     TF                   1300
        SUSAP KALNK5DPLESS23BNA   010PLESSK5EA0E      IF                                          18000
        SUSAP KALNK5DPLESS23BNA   020DENNIK5EA0E      TF                   12980168
        SUSAP KALNK5DPLESS23BNA   030BNA  K7D 0VE     TF                   12981317
        SUSAP KALNK5DPLESS23DENNI 010PLESSK5EA0E      IF                                          18000
        SUSAP KALNK5DPLESS23DENNI 020DENNIK5EA0EE     TF                   12980168

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KALNK5GRW11    0080981144 N38534286W090031786-0100    +01326005380000046150R
        SUSAP KALNK5GRW17    0065001744 N38535151W090030864+0100    +01314005340000043100R
        SUSAP KALNK5GRW29    0080982944 N38531112W090014383+0100    +012910052600005515OIIALN1
        SUSAP KALNK5GRW35    0065003544 N38524769W090025913-0100    +01341005430000043100R
```

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
PLESS	TWO	PLESS2.STL	ONE	02/04/1993	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	STL	010		IF		FB					
	ALL	PLESS	020		TF		FB		130.0()			
	BNA	PLESS	010		IF		FB					
	BNA	DENNI	020		TF		FB		129.8()	016.8		
	BNA	BNA	030		TF		FB		129.8()	131.7		
	DENNI	PLESS	010		IF		FB					
	DENNI	DENNI	020		TF		FB		129.8()	016.8		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BNA	N360813.06	W0864105.18	N3608.218	W08641.086
	STL	N385138.48	W0902856.52	N3851.641	W09028.942
	DENNI	N373722.84	W0884203.90	N3737.381	W08842.065
	PLESS	N374834.48	W0885747.48	N3748.575	W08857.791
	RW11	N385342.86	W0900317.86	N3853.714	W09003.298
	RW17	N385351.51	W0900308.64	N3853.859	W09003.144
	RW29	N385311.12	W0900143.83	N3853.185	W09001.731
	RW35	N385247.69	W0900259.13	N3852.795	W09002.986

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW11	00538	46
	RW17	00534	43
	RW29	00526	55
	RW35	00543	43

RADIO FIX AND HOLDING DATA RECORD

NAME: DENNI **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 373722.84N/0884203.90W **TYPE:** INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	ST LOUIS	STL	VORTAC	H	129.82	130.82	112.22	112.22		18000	45000
2	POCKET CITY	PXV	VORTAC	H	245.00	248.00		48.24		5000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
PXV	VORTAC	R-245	49	5000	18400

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
ST LOUIS (FAC 1) AND POCKET CITY (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PLESS	1		KALN	ALTON/ST LOUIS	IL (US)
DP	PLESS	1		KBLV	BELLEVILLE	IL (US)
DP	PLESS	1		KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	PLESS	1		KSTL	ST LOUIS	MO (US)
DP	PLESS	1		KSUS	ST LOUIS	MO (US)
EN ROUTE	J45	1, 2				(US)
EN ROUTE	Q19					(US)

REQUIRED CHARTING: DP, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
UPDATED FIX USE.
ADDED DIST IN NM FROM FAC 1 AND 2.
CHANGED MRA FROM 18000 TO 5000 FOR CTA ON PLESS SID.
MOVED FIX 55.7 FT NORTHEAST TO ALIGN ON J45.
ADDED ESV DATA.

03/08/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/03/2011.
CHANGED STL VORTAC MRA MINIMUM ALTITUDE FROM 5000 TO FL180.
REMOVED STL VORTAC ESV.

DEVELOPED BY: **DATE:** 10/03/2011 **OFFICE:** AJV-353 **NAME:** STEVEN BARNETT (GRACE NOWAK)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC, ZME
ATC FACILITY: STL APP CON
OTHER:

QUALITY 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PLESS **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 374834.48N/0885747.48W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	FARMINGTON	FAM	VORTAC	H	080.93	081.93	61.03	61.03		18000	45000
2	CENTRALIA	ENL	VORTAC	H	161.72	165.72		37.74		18000	45000
3	ST LOUIS	STL	VORTAC	H	129.82	130.82	95.45	95.45		18000	45000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
FARMINGTON (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PLESS	3		KALN	ALTON/ST LOUIS	IL (US)
DP	PLESS	3		KBLV	BELLEVILLE	IL (US)
DP	PLESS	3		KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	PLESS	3		KSTL	ST LOUIS	MO (US)
DP	PLESS	3		KSUS	ST LOUIS	MO (US)
EN ROUTE	J45	3				(US)
EN ROUTE	J78-112	1, 2				(US)
EN ROUTE	Q19					(US)

REQUIRED CHARTING: DP, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
UPDATED FIX USE.
MOVED FIX 30.53 FT SOUTHWEST.
ADDED DIST FROM FAC 1, 2, AND 3.
CHANGED FAC 3 MRA FROM 18000 TO 5000 FOR CTA ON PLESS SID.
ADDED ESV DATA.

03/08/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/03/2011.
CHANGED STL VORTAC MRA MIN ALTITUDE FROM 5000 TO FL180.
REMOVED STL VORTAC ESV.

DEVELOPED BY: **DATE:** 10/03/2011 **OFFICE:** AJV-353 **NAME:** STEVEN BARNETT (GRACE NOWAK)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY:
OTHER:

QUALITY CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: CENTRALIA VORTAC **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 382512.00N/0890932.39W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	CENTRALIA	ENL	VORTAC	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SW	ENL	VORTAC	206.96	026.96	R	1		2100	6000	4	5
2	W		WP	267.00	087.00	R		10	18000	45000	17	30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (17-002823)	382407.00N/0890808.00W	1035	2C
1	200	TOWER (17-002823)	382407.00N/0890808.00W	1035	2C

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 2600.

REMARKS:
PAT 2 REFERENCE FACILITY MAG VAR KCVG 04W/95.
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BLUES			KALN	ALTON/ST LOUIS	IL (US)
DP	GATEWAY			KALN	ALTON/ST LOUIS	IL (US)
DP	PLESS			KALN	ALTON/ST LOUIS	IL (US)
DP	TURBO			KALN	ALTON/ST LOUIS	IL (US)
DP	BLUES			KBLV	BELLEVILLE	IL (US)
DP	GATEWAY			KBLV	BELLEVILLE	IL (US)
DP	PLESS			KBLV	BELLEVILLE	IL (US)
DP	BLUES			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	GATEWAY			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	PLESS			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	TURBO			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	BLUES			KSTL	ST LOUIS	MO (US)
DP	GATEWAY			KSTL	ST LOUIS	MO (US)
DP	PLESS			KSTL	ST LOUIS	MO (US)
DP	TURBO			KSTL	ST LOUIS	MO (US)
DP	BLUES			KSUS	ST LOUIS	MO (US)
DP	GATEWAY			KSUS	ST LOUIS	MO (US)
DP	PLESS			KSUS	ST LOUIS	MO (US)
DP	TURBO			KSUS	ST LOUIS	MO (US)
DP	MEMPHIS			KMEM	MEMPHIS	TN (US)
EN ROUTE	J71					(US)
EN ROUTE	V234					(US)
EN ROUTE	V313					(US)
EN ROUTE	V4					(US)
EN ROUTE	V44					(US)
EN ROUTE	V67					(US)
EN ROUTE	V72					(US)
IAP	ILS OR LOC RWY 32R			KBLV	BELLEVILLE	IL (US)
IAP	ILS OR LOC/DME RWY 14L			KBLV	BELLEVILLE	IL (US)
IAP	ILS OR LOC/DME RWY 32L			KBLV	BELLEVILLE	IL (US)
IAP	RNAV (GPS) RWY 18			KH96	BENTON	IL (US)
IAP	ILS OR LOC RWY 30L			KCPS	CAHOKIA/ST LOUIS	IL (US)
IAP	ILS OR LOC RWY 18L			KMDH	CARBONDALE/MURPHYSBORO	IL (US)
IAP	NDB RWY 18L			KMDH	CARBONDALE/MURPHYSBORO	IL (US)
IAP	VOR-A		1	KENL	CENTRALIA	IL (US)
IAP	NDB RWY 9			KFWC	FAIRFIELD	IL (US)
IAP	ILS OR LOC RWY 20			KMWA	MARION	IL (US)
IAP	NDB RWY 20			KMWA	MARION	IL (US)
IAP	ILS OR LOC RWY 23		1	KMVN	MOUNT VERNON	IL (US)
IAP	RNAV (GPS) RWY 23			KMVN	MOUNT VERNON	IL (US)
IAP	VOR RWY 23			KMVN	MOUNT VERNON	IL (US)
IAP	VOR RWY 5			KMVN	MOUNT VERNON	IL (US)
IAP	LOC RWY 11			KOLY	OLNEY/NOBLE	IL (US)
IAP	NDB RWY 18			KSLO	SALEM	IL (US)
IAP	RNAV (GPS) RWY 36			KVLA	VANDALIA	IL (US)
STAR	MOSEY			KCVG	COVINGTON	KY (US)
STAR	SARGO (RNAV)		2	KCVG	COVINGTON/CINCINNATI	KY (US)
STAR	CHERI			KSDF	LOUISVILLE	KY (US)
STAR	DAMEN (RNAV)			KSDF	LOUISVILLE	KY (US)

QUALITY 4 CHECKED

STAR	QBALL	KSTL	ST LOUIS	MO (US)
STAR	VANDALIA	KSTL	ST LOUIS	MO (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13 **DATE OF REVISION:** 11/18/2010

REASON FOR REVISION:
FIX COORDINATES MOVED BY 9.83 FT SE, PER SURVEY DATA.
UPDATED FIX COORDINATES.
UPDATED HOLDING PAT 1 OBST ID.
DELETED HOLDING LIMITED TO ESTABLISHED PATTERN STATEMENT.
ADDED PRECIP TERR SATATEMENT.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 05/20/2010 **OFFICE:** AVN-120 **NAME:** JON DENTON

APPROVED BY: **DATE:** 09/01/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY:
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: FARMINGTON VORTAC **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 374024.39N/0901402.53W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	FARMINGTON	FAM	VORTAC	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SE	FAM	VORTAC	119.00	299.00	R	1		3000	6000	4	5
2	NE	FAM	VORTAC	032.00	212.00	R	1		3000	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	374245.90N/0901456.90W	1460	6A
2	200	AAO	374245.90N/0901456.90W	1460	6A

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRIAN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PLESS			KALN	ALTON/ST LOUIS	IL (US)
DP	TURBO			KALN	ALTON/ST LOUIS	IL (US)
DP	PLESS			KBLV	BELLEVILLE	IL (US)
DP	PLESS			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	TURBO			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	PLESS			KSTL	ST LOUIS	MO (US)
DP	PLESS			KSUS	ST LOUIS	MO (US)
DP	TURBO			KSUS	ST LOUIS	MO (US)
DP	TULSA			KRVS	TULSA	OK (US)
DP	TULSA			KTUL	TULSA	OK (US)
DP	MEMPHIS			KMEM	MEMPHIS	TN (US)
EN ROUTE	J112					(US)
EN ROUTE	J137					(US)
EN ROUTE	J151					(US)
EN ROUTE	J35					(US)
EN ROUTE	J78					(US)
EN ROUTE	J98					(US)
EN ROUTE	T251					(US)
EN ROUTE	V178					(US)
EN ROUTE	V190					(US)
EN ROUTE	V540					(US)
EN ROUTE	V69					(US)
EN ROUTE	V72					(US)
EN ROUTE	V9					(US)
IAP	ILS OR LOC RWY 30L			KCPS	CAHOKIA/ST LOUIS	IL (US)
IAP	ILS OR LOC RWY 10			KCGI	CAPE GIRARDEAU	MO (US)
IAP	NDB RWY 02			KFAM	FARMINGTON	MO (US)
IAP	NDB RWY 20			KFAM	FARMINGTON	MO (US)
IAP	RNAV (GPS) RWY 2			KFAM	FARMINGTON	MO (US)
IAP	RNAV (GPS) RWY 20			KFAM	FARMINGTON	MO (US)
IAP	VOR/DME OR GPS-A		1	KFAM	FARMINGTON	MO (US)
IAP	NDB OR GPS RWY 36			KFES	FESTUS	MO (US)
IAP	VOR RWY 19		2	KH88	FREDERICKTOWN	MO (US)
IAP	VOR/DME RWY 01		2	KH88	FREDERICKTOWN	MO (US)
IAP	RNAV (GPS) RWY 2			KK02	PERRYVILLE	MO (US)
IAP	VOR/DME-A			KK02	PERRYVILLE	MO (US)
STAR	QBALL			KSTL	ST LOUIS	MO (US)
STAR	BEERT (RNAV)			KMEM	MEMPHIS	TN (US)
STAR	GILMORE			KMEM	MEMPHIS	TN (US)
STAR	HEHAW			KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 07/29/2010

NFD ONLY

REASON FOR REVISION:
UPDATED FIX USE.
MOVED HOLDING LIMITED REMARK TO RESTRICTIONS.
UPDATED CONTROLLING OBSTACLE INFO.
ADDED PRECIPITOUS TERRAIN REMARK.

DEVELOPED BY:	**DATE:** 01/14/2010	**OFFICE:** AVN-120	**NAME:** JOSE ALFONSO (NICHOLAS JACKSON)
APPROVED BY:	**DATE:** 07/16/2010	**OFFICE:** AVN-120	**NAME:** SUE CRUMB
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY:
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: NASHVILLE VORTAC **STATE:** TN **COUNTRY:** US

LATITUDE/LONGITUDE: 360813.06N/0864105.18W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	NASHVILLE	BNA	VORTAC	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW	BNA	VORTAC	315.19	135.19	R	1		3000	6000	4	5
2	NW	BNA	VORTAC	336.00	156.00	R	1-1 1/2		7000	16000	8	15

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (47-000685)	361550.00N/0864739.00W	2049	3D
2	230	TOWER (47-000685)	361550.00N/0864739.00W	2049	3D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
DO NOT CHART HOLD PAT 2/USED FOR ATC OVERFLOW.
HOLD PAT 1 CONTROLLING OBSTACLE IS IN THE SECONDARY AREA.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BIRMINGHAM			KBHM	BIRMINGHAM	AL (US)
DP	BOUNT (RNAV)			KBHM	BIRMINGHAM	AL (US)
DP	HUNTSVILLE			KHSV	HUNTSVILLE	AL (US)
DP	PLESS			KALN	ALTON/ST LOUIS	IL (US)
DP	PLESS			KBLV	BELLEVILLE	IL (US)
DP	PLESS			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	PLESS			KSTL	ST LOUIS	MO (US)
DP	PLESS			KSUS	ST LOUIS	MO (US)
DP	JACKSON			KJAN	JACKSON	MS (US)
DP	ZAVER (RNAV)			KCLT	CHARLOTTE	NC (US)
DP	CHATTANOOGA			KCHA	CHATTANOOGA	TN (US)
DP	KNOXVILLE			KTYS	KNOXVILLE	TN (US)
DP	MEMPHIS			KMEM	MEMPHIS	TN (US)
DP	TAKE-OFF MINIMUMS			KBNA	NASHVILLE	TN (US)
DP	TITAN			KBNA	NASHVILLE	TN (US)
EN ROUTE	J39					(US)
EN ROUTE	J42					(US)
EN ROUTE	J45					(US)
EN ROUTE	J46					(US)
EN ROUTE	J73					(US)
EN ROUTE	Q19					(US)
EN ROUTE	Q32					(US)
EN ROUTE	Q34					(US)
EN ROUTE	Q36					(US)
EN ROUTE	V140					(US)
EN ROUTE	V49					(US)
IAP	RNAV (GPS) RWY 18			KHOP	FT CAMPBELL	KY (US)
IAP	RNAV (GPS) RWY 23			KHOP	FT CAMPBELL	KY (US)
IAP	RNAV (GPS) RWY 35			KM33	GALLATIN	TN (US)
IAP	VOR/DME-A			KM33	GALLATIN	TN (US)
IAP	NDB RWY 19			KM54	LEBANON	TN (US)
IAP	RNAV (GPS) RWY 01			KM54	LEBANON	TN (US)
IAP	RNAV (GPS) RWY 19			KM54	LEBANON	TN (US)
IAP	VOR/DME-A			KM54	LEBANON	TN (US)
IAP	NDB RWY 20			KLUG	LEWISBURG	TN (US)
IAP	NDB RWY 18			KMBT	MURFREESBORO	TN (US)
IAP	ILS RWY 2R (CAT II)			KBNA	NASHVILLE	TN (US)
IAP	ILS OR LOC RWY 20L			KBNA	NASHVILLE	TN (US)
IAP	ILS OR LOC RWY 20R			KBNA	NASHVILLE	TN (US)
IAP	ILS OR LOC RWY 2C			KBNA	NASHVILLE	TN (US)
IAP	ILS OR LOC RWY 2L			KBNA	NASHVILLE	TN (US)
IAP	ILS OR LOC RWY 2R			KBNA	NASHVILLE	TN (US)
IAP	ILS OR LOC RWY 31			KBNA	NASHVILLE	TN (US)
IAP	ILS RWY 2L (CAT II)			KBNA	NASHVILLE	TN (US)
IAP	ILS RWY 2L (CAT III)			KBNA	NASHVILLE	TN (US)
IAP	ILS RWY 2R (CAT III)			KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) RWY 13			KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) Y RWY 20L			KBNA	NASHVILLE	TN (US)

IAP	RNAV (GPS) Y RWY 20R		KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) Y RWY 2L		KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) Y RWY 2R		KBNA	NASHVILLE	TN (US)
IAP	RNAV (GPS) Y RWY 31		KBNA	NASHVILLE	TN (US)
IAP	VOR/DME RWY 13		KBNA	NASHVILLE	TN (US)
IAP	ILS OR LOC/DME RWY 20		KJWN	NASHVILLE	TN (US)
IAP	ILS OR LOC RWY 32		KMQY	SMYRNA	TN (US)
IAP	NDB RWY 32		KMQY	SMYRNA	TN (US)
IAP	VOR/DME RWY 14	1	KMQY	SMYRNA	TN (US)
IAP	VOR/DME RWY 32		KMQY	SMYRNA	TN (US)
IAP	LOC RWY 4 (ALT MISS)	1	KM91	SPRINGFIELD	TN (US)
STAR	ERLIN (RNAV)		KATL	ATLANTA	GA (US)
STAR	HERKO (RNAV)		KATL	ATLANTA	GA (US)
STAR	ROME		KATL	ATLANTA	GA (US)
STAR	RPTOR (RNAV)		KATL	ATLANTA	GA (US)
STAR	VIKNN (RNAV)		KATL	ATLANTA	GA (US)
STAR	QBALL		KSTL	ST LOUIS	MO (US)
STAR	LTOWN (RNAV)		KMEM	MEMPHIS	TN (US)
STAR	WLDER		KMEM	MEMPHIS	TN (US)
STAR	GRAHAM		KBNA	NASHVILLE	TN (US)
STAR	GUITR		KBNA	NASHVILLE	TN (US)
STAR	HEHAW		KBNA	NASHVILLE	TN (US)
STAR	VOLLS		KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17 **DATE OF REVISION:** 06/03/2010

REASON FOR REVISION:
MOVED NOTE: HOLDING LIMITED TO ESTABLISHED PATTERNS, TO HOLDING RESTRICTION SECTION.
ADDED NOTE: PRECIPITOUS TERRAIN EVALUATION COMPLETED.

DEVELOPED BY: **DATE:** 01/22/2010 **OFFICE:** AVN-110 **NAME:** MICHAEL CURRAN

APPROVED BY: **DATE:** 04/20/2010 **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZME
ATC FACILITY: BNA APCH
OTHER: MEM APCH

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: POCKET CITY VORTAC **STATE:** IN **COUNTRY:** US

LATITUDE/LONGITUDE: 375541.95N/0874544.56W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	POCKET CITY	PXV	VORTAC	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW	PXV	VORTAC	330.20	150.20	R	1		2100	14000	4	10
2	SW	PXV	VORTAC	237.00	057.00	R	1		2500	14000	4	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (21-000029)	375155.00N/0873405.00W	1449	2C
1	200	TOWER (18-001320)	375706.80N/0874543.60W	967	5D
2	200	TOWER (18-001320)	375706.80N/0874543.60W	967	5D

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED ON AIRWAY RADIALS AT OR ABOVE 2500.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BLUES			KALN	ALTON/ST LOUIS	IL (US)
DP	PLESS			KALN	ALTON/ST LOUIS	IL (US)
DP	TURBO			KALN	ALTON/ST LOUIS	IL (US)
DP	BLUES			KBLV	BELLEVILLE	IL (US)
DP	PLESS			KBLV	BELLEVILLE	IL (US)
DP	BLUES			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	PLESS			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	TURBO			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	HOOSIER			KEYE	INDIANAPOLIS	IN (US)
DP	HOOSIER			KHFY	INDIANAPOLIS	IN (US)
DP	HOOSIER			KIND	INDIANAPOLIS	IN (US)
DP	INDY			KIND	INDIANAPOLIS	IN (US)
DP	KIING (RNAV)			KIND	INDIANAPOLIS	IN (US)
DP	HOOSIER			KMQJ	INDIANAPOLIS	IN (US)
DP	HOOSIER			KTYQ	INDIANAPOLIS	IN (US)
DP	HOOSIER			KUMP	INDIANAPOLIS	IN (US)
DP	HOOSIER			KGEZ	SHELBYVILLE	IN (US)
DP	APALO (RNAV)			KSDF	LOUISVILLE	KY (US)
DP	BLUES			KSTL	ST LOUIS	MO (US)
DP	PLESS			KSTL	ST LOUIS	MO (US)
DP	TURBO			KSTL	ST LOUIS	MO (US)
DP	BLUES			KSUS	ST LOUIS	MO (US)
DP	PLESS			KSUS	ST LOUIS	MO (US)
DP	TURBO			KSUS	ST LOUIS	MO (US)
DP	TITAN (OBS)			KBNA	NASHVILLE	TN (US)
DP	LUFKIN			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	LUFKIN			KGLS	GALVESTON	TX (US)
DP	LUFKIN			KAXH	HOUSTON	TX (US)
DP	LUFKIN			KCXO	HOUSTON	TX (US)
DP	LUFKIN			KDWH	HOUSTON	TX (US)
DP	LUFKIN			KEFD	HOUSTON	TX (US)
DP	LUFKIN			KEYQ	HOUSTON	TX (US)
DP	LUFKIN			KHOU	HOUSTON	TX (US)
DP	LUFKIN			KIAH	HOUSTON	TX (US)
DP	LUFKIN			KIWS	HOUSTON	TX (US)
DP	LUFKIN			KSGR	HOUSTON	TX (US)
DP	LUFKIN			KTME	HOUSTON	TX (US)
DP	LUFKIN			KT41	LA PORTE	TX (US)
EN ROUTE	J131					(US)
EN ROUTE	J29					(US)
EN ROUTE	J73					(US)
EN ROUTE	J78					(US)
EN ROUTE	Q25					(US)
EN ROUTE	Q28					(US)
EN ROUTE	Q29					(US)
EN ROUTE	Q31					(US)
EN ROUTE	V11					(US)
EN ROUTE	V190					(US)
EN ROUTE	V305					(US)

EN ROUTE	V4				(US)
EN ROUTE	V47				(US)
EN ROUTE	V512				(US)
EN ROUTE	V52				(US)
EN ROUTE	V7				(US)
EN ROUTE	J112				IL (US)
IAP	NDB RWY 36		KCUL	CARMI	IL (US)
IAP	NDB RWY 9		KFWC	FAIRFIELD	IL (US)
IAP	ILS RWY 23		KMVN	MOUNT VERNON	IL (US)
IAP	ILS OR LOC RWY 22	2	KEVV	EVANSVILLE	IN (US)
IAP	ILS OR LOC RWY 4	2	KEVV	EVANSVILLE	IN (US)
IAP	NDB RWY 22		KEVV	EVANSVILLE	IN (US)
IAP	RADAR-1	2	KEVV	EVANSVILLE	IN (US)
IAP	RNAV (GPS) RWY 22		KEVV	EVANSVILLE	IN (US)
IAP	RNAV (GPS) RWY 4		KEVV	EVANSVILLE	IN (US)
IAP	VOR RWY 4	2	KEVV	EVANSVILLE	IN (US)
IAP	RNAV (GPS) RWY 8		KFRH	FRENCH LICK	IN (US)
IAP	VOR-A	1	KEHR	HENDERSON	KY (US)
IAP	RNAV (GPS) RWY 25		K5M9	MARION	KY (US)
IAP	RNAV (GPS) RWY 7		K5M9	MARION	KY (US)
IAP	ILS OR LOC RWY 36		KOWB	OWENSBORO	KY (US)
IAP	VOR RWY 18		KOWB	OWENSBORO	KY (US)
IAP	VOR RWY 36		KOWB	OWENSBORO	KY (US)
IAP	VOR RWY 5		KOWB	OWENSBORO	KY (US)
STAR	RACYR		KIND	INDIANAPOLIS	IN (US)
STAR	SARGO (RNAV)		KCVG	COVINGTON	KY (US)
STAR	MOSEY		KCVG	COVINGTON/CINCINNATI	KY (US)
STAR	CHERI		KSDF	LOUISVILLE	KY (US)
STAR	DAMEN (RNAV)		KSDF	LOUISVILLE	KY (US)
STAR	QBALL		KSTL	ST LOUIS	MO (US)
STAR	ZABER		KBKL	CLEVELAND	OH (US)
STAR	ZABER		KCGF	CLEVELAND	OH (US)
STAR	ZABER		KCLE	CLEVELAND	OH (US)
STAR	GAILL (RNAV)		KCMH	COLUMBUS	OH (US)
STAR	ZABER		K1G1	ELYRIA	OH (US)
STAR	ZABER		KLPR	LORAIN/ELYRIA	OH (US)
STAR	ZABER		K1G5	MEDINA	OH (US)
STAR	ZABER		K7G8	MIDDLEFIELD	OH (US)
STAR	ZABER		K2G1	PAINESVILLE	OH (US)
STAR	ZABER		KLNN	WILLOUGHBY	OH (US)
STAR	LTOWN (RNAV)		KMEM	MEMPHIS	TN (US)
STAR	WLDER		KMEM	MEMPHIS	TN (US)
STAR	HEHAW		KBNA	NASHVILLE	TN (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 02/11/2010

REASON FOR REVISION:
UPDATED FIX USE.
ADDED PRECIPITOUS TERRAIN EVALUATION STATEMENT TO REMARKS SECTION.
MOVED UNPLANNED HOLDING AUTHORIZED NOTE FROM REMARKS SECTION TO HOLDING RESTRICTIONS SECTION.

DEVELOPED BY: **DATE:** 06/26/2009 **OFFICE:** AVN-120 **NAME:** DONALD LANIER

APPROVED BY: **DATE:** 12/15/2009 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZID, KC, ZME
ATC FACILITY: EVV ATCT
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: ST LOUIS VORTAC **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 385138.48N/0902856.52W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	ST LOUIS	STL	VORTAC	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 18000.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CARDS			KALN	ALTON/ST LOUIS	IL (US)
DP	GATEWAY			KALN	ALTON/ST LOUIS	IL (US)
DP	LINDBERGH			KALN	ALTON/ST LOUIS	IL (US)
DP	OZARK			KALN	ALTON/ST LOUIS	IL (US)
DP	PLESS			KALN	ALTON/ST LOUIS	IL (US)
DP	CARDS			KBLV	BELLEVILLE	IL (US)
DP	GATEWAY			KBLV	BELLEVILLE	IL (US)
DP	LINDBERGH			KBLV	BELLEVILLE	IL (US)
DP	OZARK			KBLV	BELLEVILLE	IL (US)
DP	PLESS			KBLV	BELLEVILLE	IL (US)
DP	CARDS			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	GATEWAY			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	LINDBERGH			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	OZARK			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	PLESS			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	ROCKY			KEYE	INDIANAPOLIS	IN (US)
DP	ROCKY			KHFY	INDIANAPOLIS	IN (US)
DP	PRSNS (RNAV)			KIND	INDIANAPOLIS	IN (US)
DP	ROCKY			KIND	INDIANAPOLIS	IN (US)
DP	ROCKY			KMQJ	INDIANAPOLIS	IN (US)
DP	ROCKY			KTYQ	INDIANAPOLIS	IN (US)
DP	ROCKY			KUMP	INDIANAPOLIS	IN (US)
DP	ROCKY			KGEZ	SHELBYVILLE	IN (US)
DP	LAKES			KFLV	FORT LEAVENWORTH	KS (US)
DP	LAKES			KIXD	OLATHE	KS (US)
DP	LAKES			KOJC	OLATHE	KS (US)
DP	LAKES			KMCI	KANSAS CITY	MO (US)
DP	LAKES			KMKC	KANSAS CITY	MO (US)
DP	LAKES			KSTJ	ST JOSEPH	MO (US)
DP	CARDS			KSTL	ST LOUIS	MO (US)
DP	GATEWAY			KSTL	ST LOUIS	MO (US)
DP	LINDBERGH			KSTL	ST LOUIS	MO (US)
DP	OZARK			KSTL	ST LOUIS	MO (US)
DP	PLESS			KSTL	ST LOUIS	MO (US)
DP	CARDS			KSUS	ST LOUIS	MO (US)
DP	GATEWAY			KSUS	ST LOUIS	MO (US)
DP	LINDBERGH			KSUS	ST LOUIS	MO (US)
DP	OZARK			KSUS	ST LOUIS	MO (US)
DP	PLESS			KSUS	ST LOUIS	MO (US)
DP	TITAN (OBSTACLE)			KBNA	NASHVILLE	TN (US)
EN ROUTE	J101					(US)
EN ROUTE	J110					(US)
EN ROUTE	J134					(US)
EN ROUTE	J151					(US)
EN ROUTE	J19					(US)
EN ROUTE	J233					(US)
EN ROUTE	J24					(US)
EN ROUTE	J35					(US)
EN ROUTE	J45					(US)
EN ROUTE	J8					(US)
EN ROUTE	V125					(US)
EN ROUTE	V14					(US)
EN ROUTE	V335					(US)
EN ROUTE	V4					(US)
EN ROUTE	V52					(US)
EN ROUTE	V580					(US)
EN ROUTE	V582					(US)
EN ROUTE	V9					(US)
IAP	ILS OR LOC RWY 29			KALN	ALTON/ST LOUIS	IL (US)
IAP	LOC BC RWY 11			KALN	ALTON/ST LOUIS	IL (US)
IAP	NDB RWY 17			KALN	ALTON/ST LOUIS	IL (US)
IAP	VOR-A			KALN	ALTON/ST LOUIS	IL (US)

4 APPROVED

IAP	VOR RWY 18	KSET	ST CHARLES	MO (US)
IAP	VOR-A	K1H0	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 11 (CAT I/II/III)	KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 12L (CAT I/II/III)	KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 12R	KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 24	KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 29	KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 30L	KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 30R (CAT I/II/III)	KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 6	KSTL	ST LOUIS	MO (US)
IAP	ILS PRM RWY 11 (CAT I, II, III) (SIM CLOSE PAR)	KSTL	ST LOUIS	MO (US)
IAP	ILS PRM RWY 12L (CAT I, II, III) (SIM CLOSE PAR)	KSTL	ST LOUIS	MO (US)
IAP	ILS PRM RWY 29 (SIM CLOSE PAR)	KSTL	ST LOUIS	MO (US)
IAP	ILS PRM RWY 30R (CAT I, II, III) (SIM CLOSE PAR)	KSTL	ST LOUIS	MO (US)
IAP	LDA PRM RWY 30L (SIM CLOSE PAR)	KSTL	ST LOUIS	MO (US)
IAP	LDA/DME RWY 30L	KSTL	ST LOUIS	MO (US)
IAP	TACAN RWY 12R	KSTL	ST LOUIS	MO (US)
IAP	TACAN RWY 30L	KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 26L	KSUS	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 8R	KSUS	ST LOUIS	MO (US)
IAP	NDB RWY 26L	KSUS	ST LOUIS	MO (US)
IAP	NDB RWY 8R	KSUS	ST LOUIS	MO (US)
STAR	BENKY (RNAV)	KORD	CHICAGO	IL (US)
STAR	BRADFORD	KORD	CHICAGO	IL (US)
STAR	QBALL	KSTL	ST LOUIS	MO (US)
STAR	TRAKE	KSTL	ST LOUIS	MO (US)
STAR	VANDALIA	KSTL	ST LOUIS	MO (US)
STAR	GAILL (RNAV)	KCMH	COLUMBUS	OH (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, AREA, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17 **DATE OF REVISION:** 10/20/2011

REASON FOR REVISION:
REMOVED HOLDING PATTERN 1.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 05/25/2011 **OFFICE:** AJV-353 **NAME:** BEV L BORDY

APPROVED BY: **DATE:** 09/01/2011 **OFFICE:** AJV-353 **NAME:** GREGORY YAMAMOTO

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: STL APP CON
OTHER: