Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: SID	Date Open: 02/28/2012	Task #: 2006071410720503012	Request #: 20060714107205
Procedure: SID TEDDD (RNAV) ONE ST. LOUIS MO KSTL		Airport ID: KSTL	Airport: LAMBERT-ST LOUIS INTL		Reimbursable #:
City: ST LOUIS	ST: MO	GPS #:		Estimated Chart Date: 09/20/2012	FICO #:
Fac ID:	Fac. Type:		Specialist: HERMAN ROGERS		

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	03/29/2012	06/12/2012	JILL OLSON	
QA:	06/12/2012	06/12/2012	STEVEN SZUKALA	
Liaison:	06/12/2012		MARY MCDONALD	DME/DME; REPLACEMENT - 15B, FIG.

Procedure Comments: ENROUTE **Remark Type:** INFORMATION

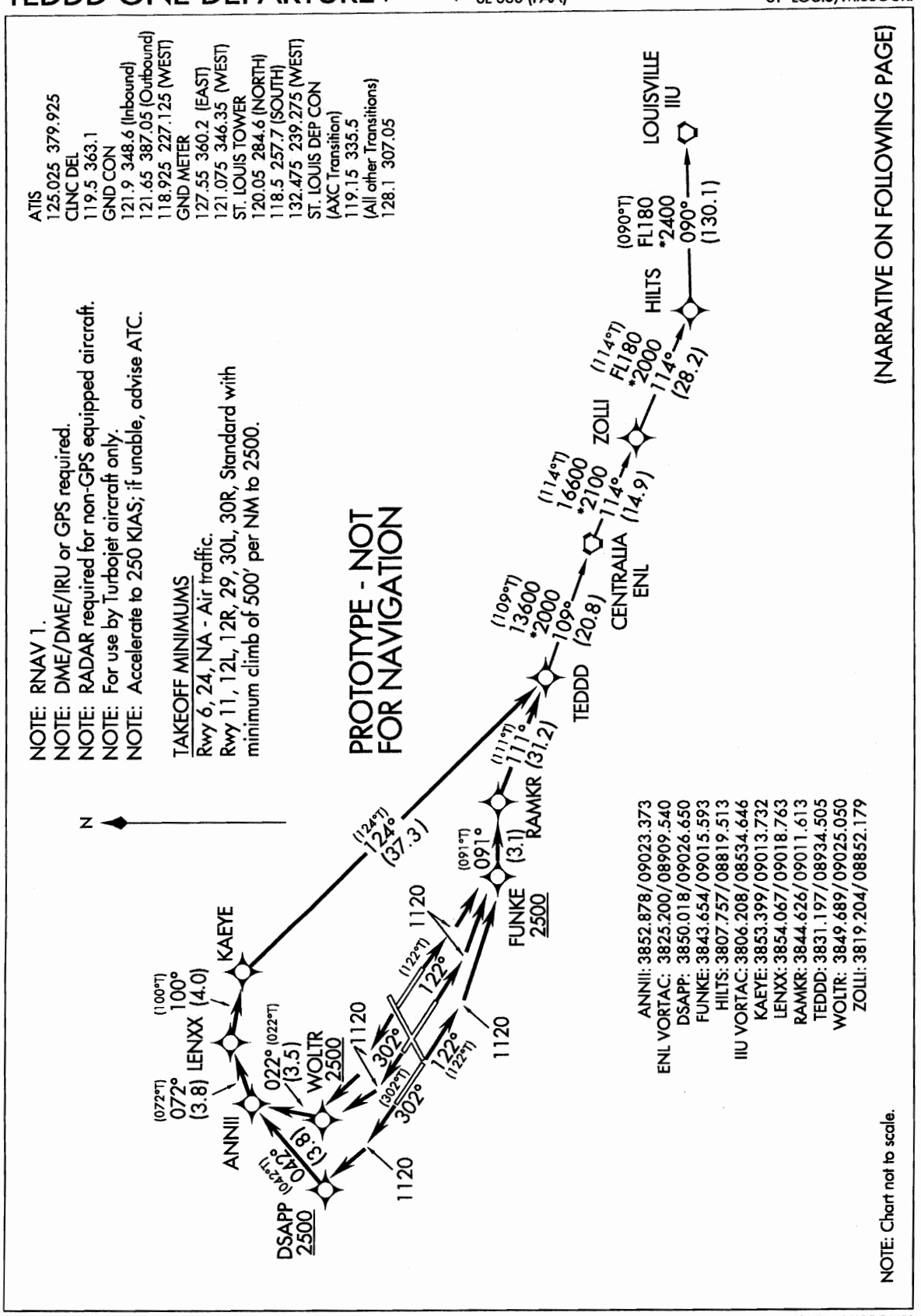
ST LOUIS, MO LAMBERT-ST LOUIS INTL (KSTL) TEDDD ONE (RNAV) (SID) ENROUTE-YES FC: 7.24.12 PUB: 9.20.12

ATTACHED FORMS: ESV REPORTS; 8260-15B; 8260-15C; 8260-2(S): ANNII, ORIG; DSAPP, ORIG; FUNKE, ORIG; HILTS-INT, REV 4; KAEYE, ORIG; LENXX, ORIG; RAMKR, ORIG; TEDDD, ORIG; WOLTR, ORIG; ZOLLI-INT, REV 2; (INFO ONLY) CENTRALIA (ENL) VTAC, REV 13; LOUISVILLE (IIU) VTAC, REV 9.

CONTACT: JILL OLSON, AJV-353 LEAD, 405.954.0414
REPLACEMENT PACKAGE TO CORRECTED MEA'S TO MATCH DME/DME PRORUNS. SEE ATTACHED LIST FOR ALL AFFECTED PROCEDURES.

TEDDD ONE DEPARTURE (RNAV)

SL-360 (FAA)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 11: Climb heading 122° to 1120 then left turn direct FUNKE, cross FUNKE at or above 2500, then on depicted route to TEDDD. Thence. . . .
TAKEOFF RWY 12L, 12R: Climb heading 122° to 1120 then left turn direct to FUNKE, cross FUNKE at or above 2500, then on depicted route to TEDDD. Thence. . . .
TAKEOFF RWY 29: Climb heading 302° to 1120 then right turn direct DSAPP, cross DSAPP at or above 2500, then on depicted route to TEDDD. Thence. . . .
TAKEOFF RWY 30L, 30R: Climb heading 302° to 1120 then right turn direct WOLTR, cross WOLTR at or above 2500, then on depicted route to TEDDD. Thence. . . .

. . . . (TRANSITION). Maintain 5000, expect filed altitude 10 minutes after departure.

LOUISVILLE TRANSITION (TEDDD1.IIU)

TAKEOFF OBSTACLE NOTES

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

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : FARMINGTON	City : FARMINGTON	Ident : FAM	State : MO
Type/Class : TACR	Frequency : M1191	Reference No.: 10061272	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 694136-022	7	59	80	40	170

Requirement: ESTABLISH AN ESV FOR THE STL SID TEDDD.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 06/07/2010

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 694136-022	7	59	80	40	170	APPROVE

Requirement/Remarks ESTABLISH AN ESV FOR THE STL SID TEDDD.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT

Signature: BOWERS MIKE	Routing Symbol:	Date: 06/14/2010

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 694136-022	7	59	80	40	170	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE STL SID TEDDD.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 06/22/2010

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 694136-022	7	59				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : POCKET CITY	City : EVANSVILLE	Ident : PXV	State : IN
Type/Class : TACR	Frequency : M1167	Reference No.: 10061273	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704134-029	285	297	81	100	170

Requirement: ESTABLISH AN ESV FOR THE STL SID TEDDD.

Signature: Mallett Gary	Routing Symbol: AJV-C-2	Date: 06/07/2010

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704134-029	285	297	81	100	170	APPROVE

Requirement/Remarks. ESTABLISH AN ESV FOR THE STL SID TEDDD.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: NASSR NASHAAT	Routing Symbol:	Date: 06/11/2010

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704134-029	285	297	81	100	170	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE STL SID TEDDD.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 06/28/2010

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704134-029	285	297				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	

Facility Data

Chart Name : ST LOUIS	City : SAINT LOUIS	Ident : STL	State : MO
Type/Class : TACR	Frequency : M1208	Reference No.: 10061274	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 704271-034	107	125	82	40	170

Requirement: ESTABLISH AN ESV FOR THE STL SID TEDDD.

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 06/07/2010

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704271-034	107	125	82	40	170	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE STL SID TEDDD.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT.

Signature: BOWERS MIKE	Routing Symbol:	Date: 06/07/2010

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704271-034	107	125	82	40	170	APPROVE

Requirement/Remarks: ESTABLISH AN ESV FOR THE STL SID TEDDD.Approved. Pend. Flight Chk/Inspect @ the req. dist. and MIN ALT

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 06/28/2010

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 704271-034	107	125				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : DECATUR	City : DECATUR	Ident : AXC	State : IL
Type/Class : TACR	Frequency : M1206	Reference No.: 10061275	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 774674-010	178	219	91	40	170

Requirement: ESTABLISH AN ESV FOR THE STL SID TEDDD

Signature: Mallett Gary	Routing Symbol: AJV-C2	Date: 06/07/2010

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 774674-010	178	219	91	40	170	RESTRICT

Requirement/Remarks: ESTABLISH AN ESV FOR THE STL SID TEDDD.Restricted. Inadequate Coverage at ALT (min)/(max)=60

Signature: NASSR NASHAAT	Routing Symbol:	Date: 06/11/2010

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 774674-010	178	219	91	40	170	RESTRICT

Requirement/Remarks: ESTABLISH AN ESV FOR THE STL SID TEDDD.Restricted. Inadequate Coverage at ALT (min)/(max)=60

Signature: NASSR NASHAAT	Routing Symbol:	Date: 06/11/2010

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 774674-010	178	219	91	60	170	RESTRICT

Requirement/Remarks: ESTABLISH AN ESV FOR THE STL SID TEDDD.Restricted. Inadequate Coverage MIN ALT FL=60

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 06/22/2010

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 774674-010	178	219	91	60	170	RESTRICT

Requirement/Remarks: ESTABLISH AN ESV FOR THE STL SID TEDDD.Restricted. Inadequate Coverage MIN ALT FL=60

Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 06/22/2010

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 774674-010	178	219				

Requirement/Remarks:		
Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : SPINNER	City : SPRINGFIELD	Ident : SPI	State : IL
Type/Class : TACR	Frequency : M1161	Reference No.: 12029366	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 042238-012	181	196	85	40	150

Requirement: REQUIRED FOR NEW TEDDD1 RNAV SID FOR STL

Signature: Enander Scott	Routing Symbol: AJV-C21	Date: 02/23/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 042238-012	181	196	85	40	150	APPROVE

Requirement/Remarks: REQUIRED FOR NEW TEDDD1 RNAV SID FOR STLAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: NASSR NASHAAT	Routing Symbol:	Date: 02/23/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 042238-012	181	196	85	40	150	APPROVE

Requirement/Remarks: REQUIRED FOR NEW TEDDD1 RNAV SID FOR STLAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.

Signature: Hughes Dennis	Routing Symbol:	Date: 02/23/2012

Expanded Service Volume Data: (FIFO)

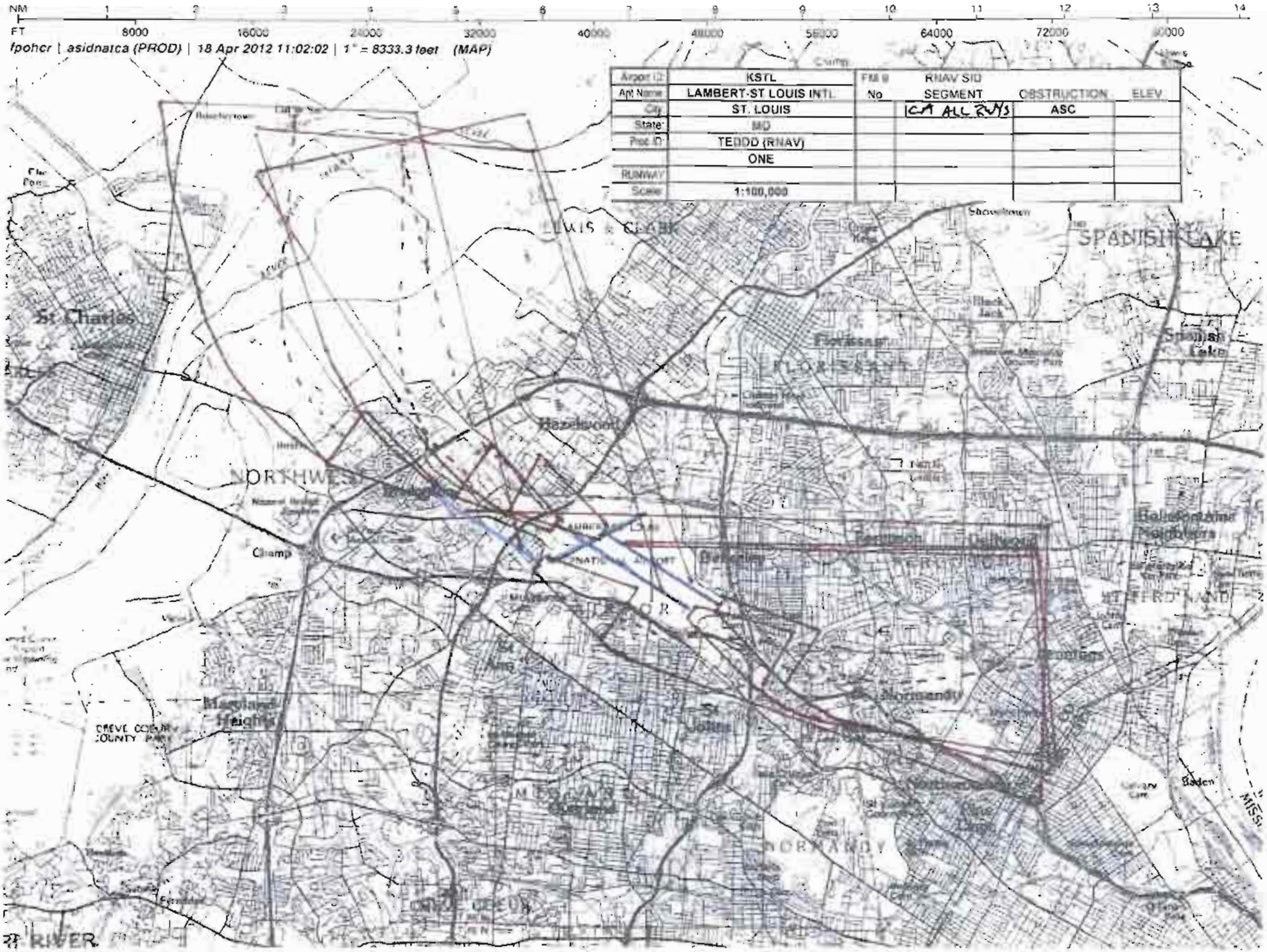
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 042238-012	181	196				

Requirement/Remarks:

Signature:	Routing Symbol:	Date:

fpohcr | asidnatca (PROD) | 18 Apr 2012 11:02:02 | 1" = 8333.3 feet (MAP)

Airport ID:	KSTL	FMS	RNAV SID		
Apt Name:	LAMBERT-ST LOUIS INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	ST. LOUIS		CA ALL RWYS	ASC	
State:	MO				
Proc ID:	TEDDD (RNAV)				
	ONE				
RUNWAY:					
Scale:	1:100,000				

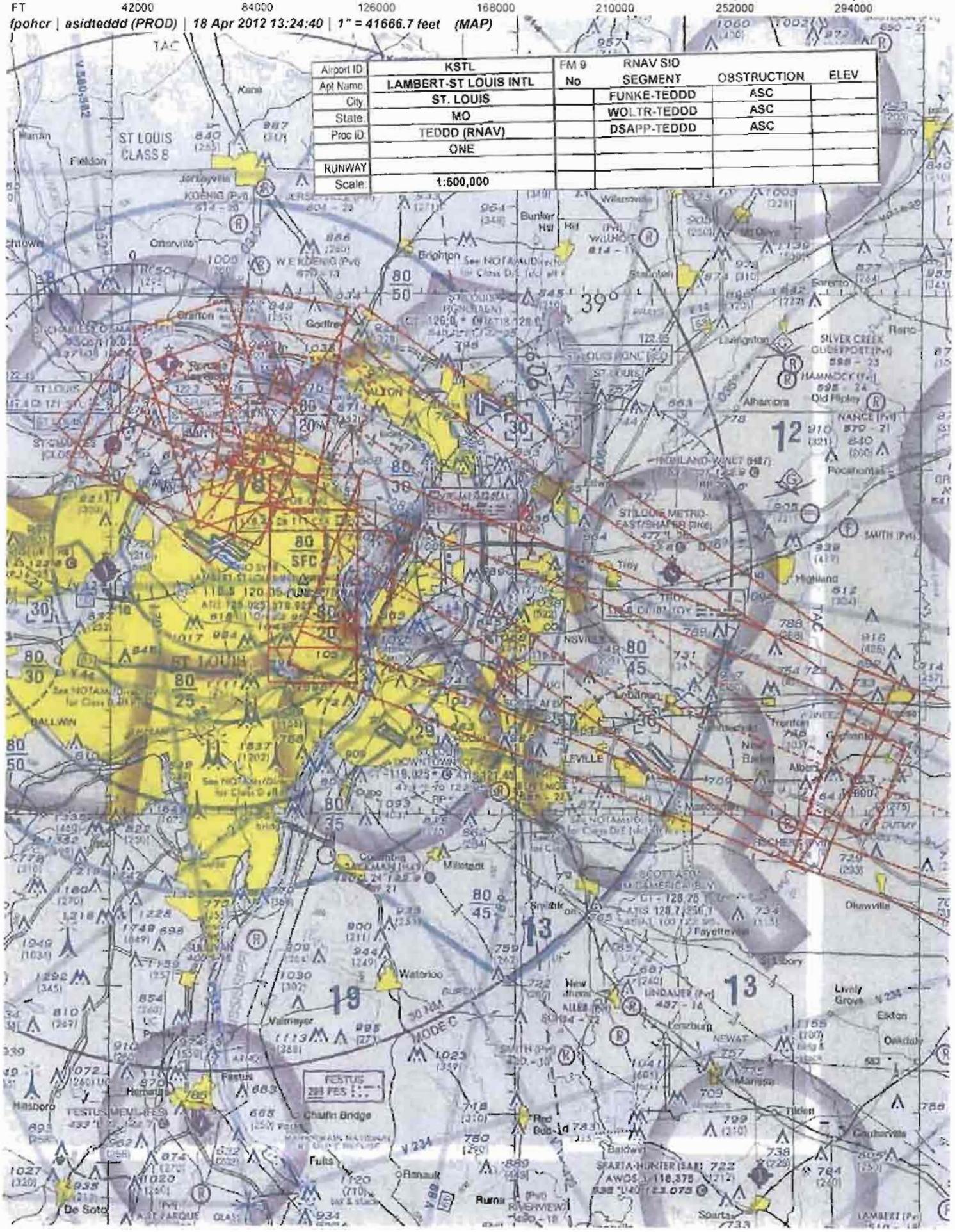


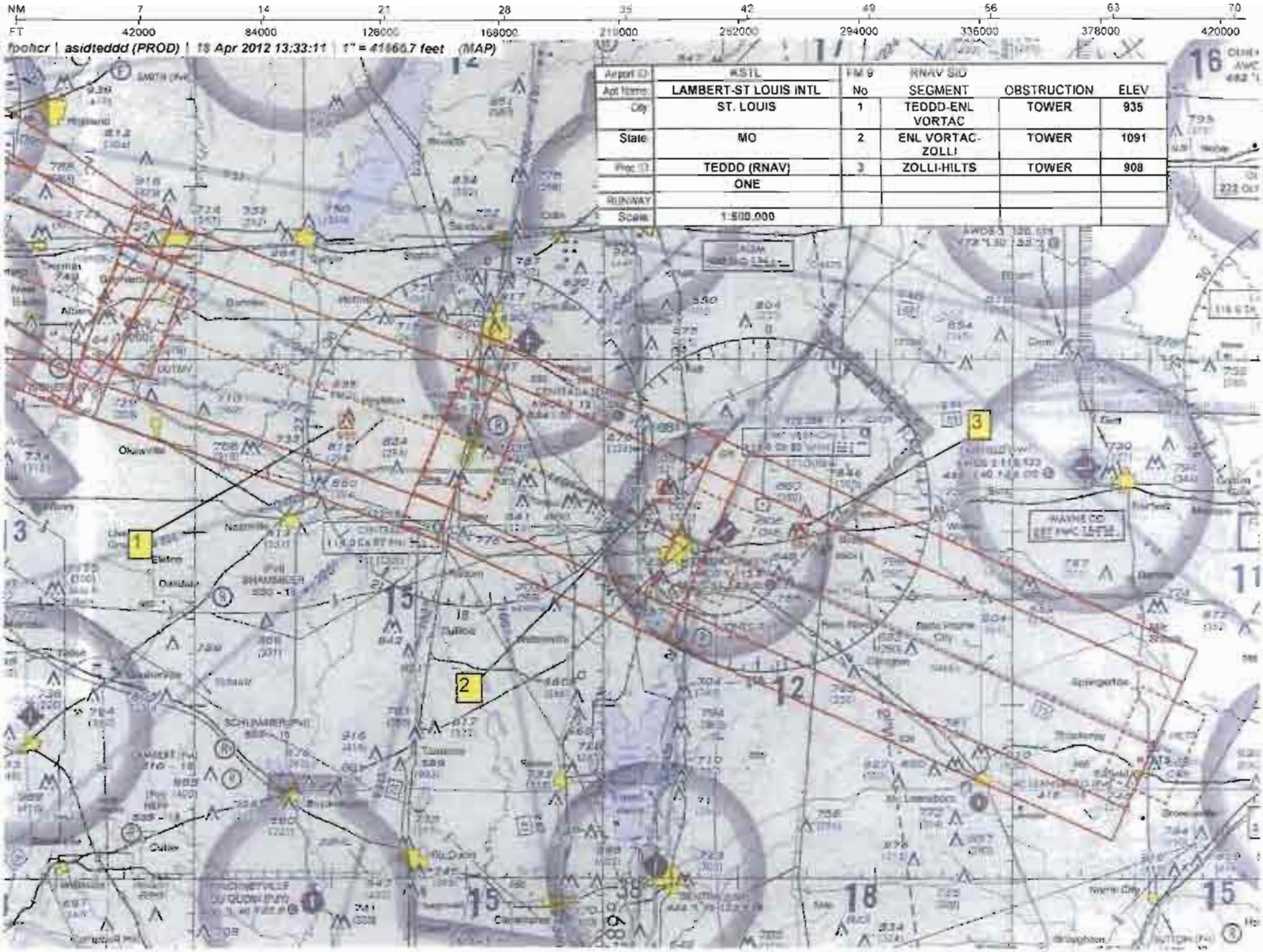
NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

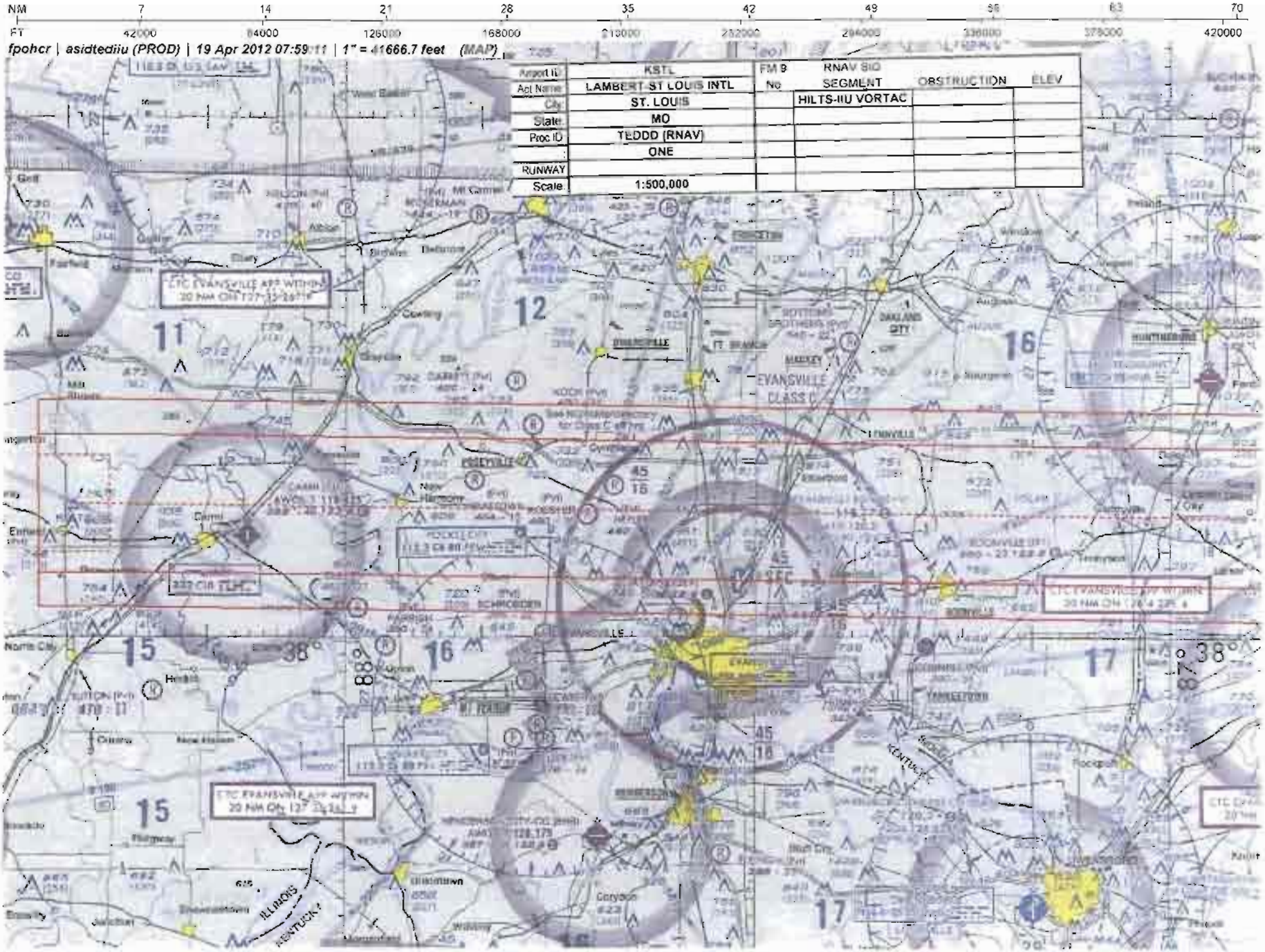
fpohcr | asidteddd (PROD) | 18 Apr 2012 13:24:40 | 1" = 41666.7 feet (MAP)

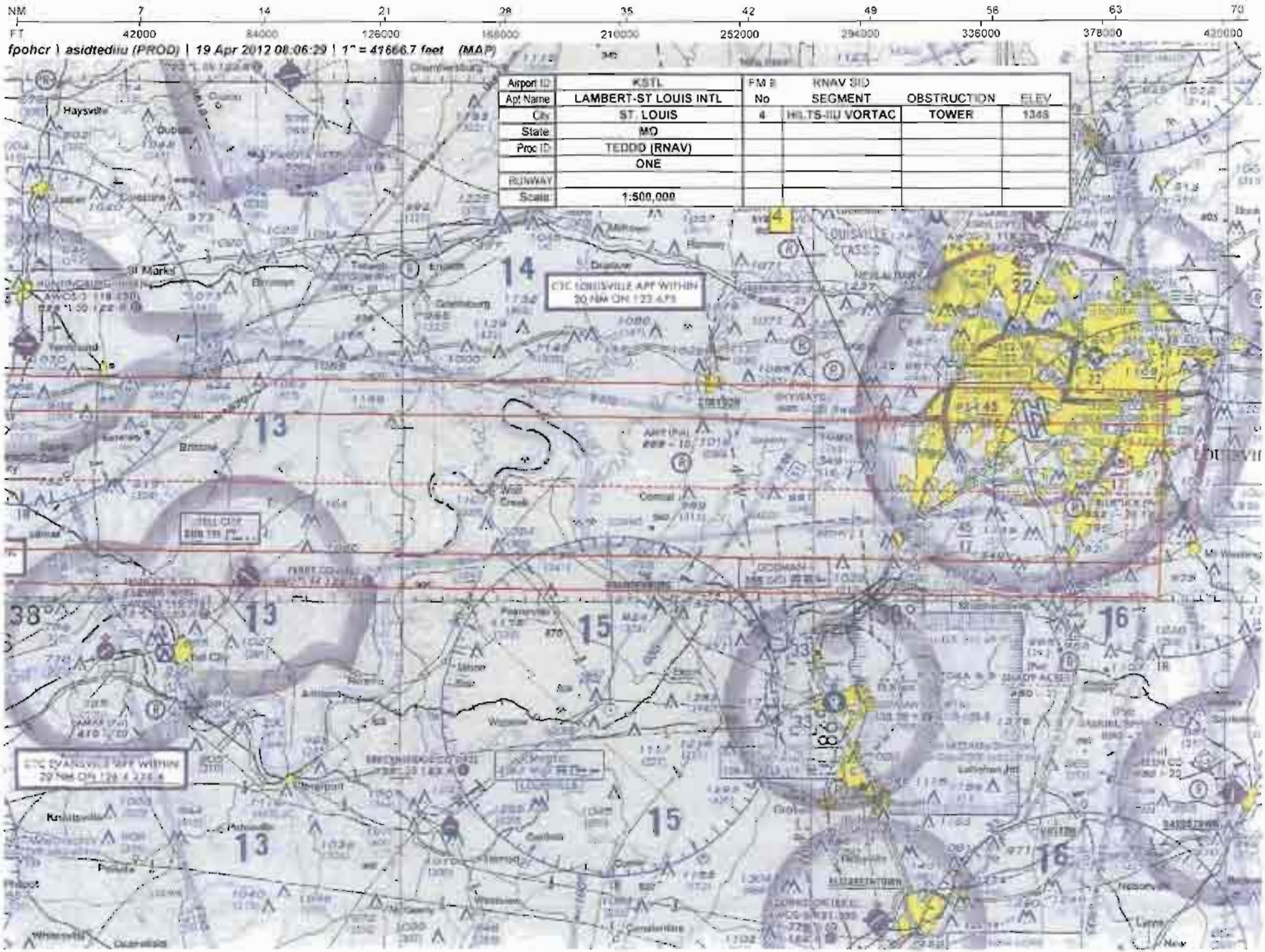
		FM 9	RNAV SID		
Airport ID	KSTL	No	SEGMENT	OBSTRUCTION	ELEV
Apt Name	LAMBERT-ST LOUIS INTL		FUNKE-TEDDD	ASC	
City	ST. LOUIS		WOLTR-TEDDD	ASC	
State	MO		DSAPP-TEDDD	ASC	
Proc ID	TEDDD (RNAV)				
	ONE				
RUNWAY					
Scale	1:600,000				





Airport ID:	KSTL	FM 9	RNAV SID		
Apt Name:	LAMBERT-ST LOUIS INTL	No	SEGMENT	OBSTRUCTION	ELEV
City	ST. LOUIS	1	TEDDD-ENL VORTAC	TOWER	935
State	MO	2	ENL VORTAC-ZOLLI	TOWER	1091
Proc ID	TEDDD (RNAV)	3	ZOLLI-HILTS	TOWER	908
	ONE				
RUNWAY					
Scale	1:500,000				


NM 7 14 21 28 35 42 49 56 63 70
FT 42000 84000 126000 168000 210000 252000 294000 336000 378000 420000
fpohcr | asidtediiu (PROD) | 19 Apr 2012 07:59:11 | 1" = 41666.7 feet (MAP)
Airport ID KSTL
Act Name LAMBERT-ST LOUIS INTL
City ST. LOUIS
State MO
Proc ID TEDDD (RNAV)
ONE
RUNWAY
Scale 1:500,000
FM 9 RNAV SID
No SEGMENT OBSTRUCTION ELEV
HILTS-IIU VORTAC
EVANSVILLE CLASS C
ILLINOIS
KENTUCKY


NM 7 14 21 28 35 42 49 56 63 70
FT 42000 84000 126000 168000 210000 252000 294000 336000 378000 420000
fpohcr \ asidtediiu (PROD) | 19 Apr 2012 08:06:29 | 1" = 41666.7 feet (MAP)
Airport ID KSTL
Apt Name LAMBERT-ST LOUIS INTL
City ST. LOUIS
State MO
Proc ID TEDDD (RNAV)
ONE
RUNWAY
Scale 1:500,000
FM S No 4
RNAV SID
SEGMENT
HILTS-IIU VORTAC
OBSTRUCTION
TOWER
ELEV
1349
CTC LOUISVILLE APP WITHIN 20 NM ON 123.4 FS
CTC EVANSVILLE APP WITHIN 20 NM ON 128.4 126.4
Haysville
St Marks
Dupo
Belleville
Mt Vernon
Louisville
Evansville
Henderson
Owensville
Princeton
Madisonville
Nashville
Lebanon Jct
Elizabethtown
Nelson
Lynn
Nev
13
14
15
16
38°
30°

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
TEDDD	ONE	TEDDD1.TEDDD	NONE		

TYPE: RNAV SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 11: CLIMB HEADING 122.17 TO 1120 THEN LEFT TURN DIRECT FUNKE, CROSS FUNKE AT OR ABOVE 2500, THEN ON DEPICTED ROUTE TO TEDDD. THENCE...
TAKEOFF RWY 12L, 12R: CLIMB HEADING 122.19 TO 1120 THEN LEFT TURN DIRECT FUNKE, CROSS FUNKE AT OR ABOVE 2500, THEN ON DEPICTED ROUTE TO TEDDD. THENCE...
TAKEOFF RWY 29: CLIMB HEADING 302.18 TO 1120 THEN RIGHT TURN DIRECT DSAPP, CROSS DSAPP AT OR ABOVE 2500. THEN ON DEPICTED ROUTE TO TEDDD. THENCE...
TAKEOFF RWY 30L: CLIMB HEADING 302.20 TO 1120 THEN RIGHT TURN DIRECT WOLTR, CROSS WOLTR AT OR ABOVE 2500 THEN ON DEPICTED ROUTE TO TEDDD. THENCE...
TAKEOFF RWY 30R: CLIMB HEADING 302.21 TO 1120 THEN RIGHT TURN DIRECT WOLTR, CROSS WOLTR AT OR ABOVE 2500 THEN ON DEPICTED ROUTE TO TEDDD. THENCE...
... (TRANSITION). MAINTAIN 5000, EXPECT FILED ALTITUDE TEN 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
HILTS	TEDDD1.HILTS	TEDDD	ENL VORTAC	TRACK 109.49	20.81	13600	2000	
		ENL VORTAC	ZOLLI	TRACK 113.60	14.91	16600	2100	
		ZOLLI	HILTS	TRACK113.78	28.17	FL180	2000	
LOUISVILLE	TEDDD1.IIU	TEDDD	ENL VORTAC	TRACK 109.49	20.81	13600	2000	
		ENL VORTAC	ZOLLI	TRACK 113.60	14.91	16600	2100	
		ZOLLI	HILTS	TRACK113.78	28.17	FL180	2000	
		HILTS	IIU VORTAC	TRACK 089.83	130.11	FL180	2400	

QUALITY CHECKED 1

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
TEDDD	ONE	TEDDD1.TEDDD	NONE		

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTE: RNAV 1.
NOTE: DME/DME/IRU OR GPS REQUIRED.
NOTE: RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.
NOTE: FOR USE BY TURBOJET AIRCRAFT ONLY.
NOTE: ACCELERATE TO 250 KIAS; IF UNABLE, ADVISE ATC.

TAKEOFF MINIMUMS:
RWY 6, 24: NA-AIR TRAFFIC.
RWY 11,12L,12R, 29, 30L, 30R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 2500.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 11, MULTIPLE SIGNS, TREES, TOWERS, AND BLDGS BEGINNING 2348 FT FROM DER, 205 FT LEFT OF CENTERLINE, UP TO 219 FT AGL/774 FT 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 FT 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.

CONTROLLING OBSTACLES:

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAGVAR: KSTL 00 EPOCH YEAR: 2000.
DME/DME ASSESSMENT: SAT (RNP 2.0)

QUALITY 1 CHECKED

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
TEDDD	ONE	TEDDD1.TEDDD	NONE		

AIRPORTS SERVED:

LAMBERT-ST LOUIS INTL ST, MO

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON, GND METER, DEP CON, TOWER

FIXES AND/OR NAVAIDS:

REMARKS:

QUALITY CHECKED 1

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
TEDDD	ONE	TEDDD1.TEDDD	NONE		

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:
ROUTINE

DEVELOPED BY:
HERMAN ROGERS AJV-353 04/12/2012

APPROVED BY:
LARRY STROUT AJV-353

COORDINATED WITH:
ATA, ALPA, APA, AOPA, NBAA, STL DEP CON, ZKC

CHANGES:

ORIGINAL.

REASONS:

PER FPT REQUEST.

6/21/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 04/12/2012
CHANGED MEA ALTITUDE FROM 9400 TO 13600 FOR SEGMENT TEDDD TO ENL VORTAC.
CHANGED MEA ALTITUDE FROM 13600 TO 16600 FOR SEGMENT ENL VORTAC TO ZOLLI.
CHANGED MEA ALTITUDE FROM 16600 TO FL180 FOR SEGMENT ZOLLI TO HILTS.

6/22/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 04/12/2012
ADDED HILTS TRANSITION ROUTE.

06/26/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 04/12/2012.
ON THE 8260-15C CORRECTED THE COMPUTER CODE FROM TEDDD1. TO TEDDD1.TEDDD.

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
TEDDD	ONE	TEDDD1.TEDDD	NONE		ROUTINE

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW11 (AER)	384535.83N/0902435.55W	N	-	-	-	-			
1120 MSL	-	-	-	VA	122.17	-			CG 500 FT/NM TO 2500
FUNKE	384339.26N/0901535.58W	Y	FB	DF	-	-	AT/ABOVE 2500		
RAMKR	384337.54N/0901136.78W	Y	FB	TF	090.51	3.11			
TEDDD	383211.84N/0893430.31W	Y	FB	TF	111.24	31.24			
RW12L (AER)	384506.41N/08902158.66W	N	-	-	-	-			
1120 MSL	-	-	-	VA	122.19	-			CG 500 FT/NM TO 2500
FUNKE	384339.26N/0901535.58W	Y	FB	DF	-	-	AT/ABOVE 2500		
RAMKR	384337.54N/0901136.78W	Y	FB	TF	090.51	3.11			
TEDDD	383211.84N/0893430.31W	Y	FB	TF	111.24	31.24			
RW12R (AER)*	384511.59N/0902239.98W	N	-	-	-	-			*DISPL THLD (467)
1120 MSL	-	-	-	VA	122.19	-			CG 500 FT/NM TO 2500
FUNKE	384339.26N/0901535.58W	Y	FB	DF	-	-	AT/ABOVE 2500		
RAMKR	384337.54N/0901136.78W	Y	FB	TF	090.51	3.11			
TEDDD	383211.84N/0893430.31W	Y	FB	TF	111.24	31.24			
RW29 (AER)	384448.46N/0902259.39	N	-	-	-	-			
1120 MSL	-	-	-	VA	302.18	-			CG 500 FT/NM TO 2500
DSAPP	385001.06N/0902638.98W	Y	FB	DF	-	-	AT/ABOVE 2500		
ANNII	385252.69N/0902322.37W	Y	FB	TF	041.83	3.84			
LENXX	385404.00N/0901846.99W	Y	FB	TF	071.64	3.78			
KAEYE	385323.93N/0901343.89W	Y	FB	TF	099.58	4.00			
TEDDD	383211.84N/0893430.31W	Y	FB	TF	124.40	33.70			
RW30L (AER)*	384417.08N/0902049.42W	N	-	-	-	-			*DISPL THLD (201)
1120 MSL	-	-	-	VA	302.20	-			CG 500 FT/NM TO 2500
WOLTR	384941.32N/0902503.02W	Y	FB	DF	-	-	AT/ABOVE 2500		
ANNII	385252.69N/0902322.37W	Y	FB	TF	022.35	3.45			
LENXX	385404.00N/0901846.99W	Y	FB	TF	071.64	3.78			
KAEYE	385323.93N/0901343.89W	Y	FB	TF	099.58	4.00			
TEDDD	383211.84N/0893430.31W	Y	FB	TF	124.40	33.70			

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
TEDDD	ONE	TEDDD1.TEDDD	NONE		ROUTINE

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW30R (AER)	384418.99N/0902022.51W	N	-	-	-	-			
1120 MSL	-	-	-	VA	302.21	-			CG 500 FT/MIN TO 2500
WOLTR	384941.32N/0902503.02W	Y	FB	DF	-	-	AT/ABOVE 2500		
ANNII	385252.69N/0902322.37W	Y	FB	TF	022.35	3.45			
LENXX	385404.00N/0901846.99W	Y	FB	TF	071.64	3.78			
KAEYE	385323.93N/0901343.89W	Y	FB	TF	099.58	4.00			
TEDDD	383211.84N/0893430.31W	Y	FB	TF	124.40	33.70			
TEDDD	383211.84N/0893430.31W	Y	-	IF	-	-			TEDDD1.HILTS
ENL VORTAC	382512.00N/0890932.39W	Y	FB	TF	109.49	20.81			
ZOLLI	381912.23N/0885210.73W	Y	FB	TF	113.60	14.91			
HILTS	380745.42N/0881930.79W	Y	FB	TF	113.78	28.17			
TEDDD	383211.84N/0893430.31W	Y	-	IF	-	-			TEDDD1.IIU
ENL VORTAC	382512.00N/0890932.39W	Y	FB	TF	109.49	20.81			
ZOLLI	381912.23N/0885210.73W	Y	FB	TF	113.60	14.91			
HILTS	380745.42N/0881930.79W	Y	FB	TF	113.78	28.17			
IIU VORTAC	380612.47N/0853438.77W	Y	FB	TF	089.83	130.11			

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
TEDDD RNAV	ONE	TEDDD1.TEDDD	NONE		

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ENL   K5011500VTHA N38251200W089093239    N38251200W089093239E0040005462     NARCENTRALIA
        SUSAD        IIU   K5011480VTH  N38061247W085343877    N38061247W085343877E0010007202     NARLOUISVILLE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ANNII K30    W     N38525269W090232237                    W0010     NAR           ANNII
        SUSAEAENRT   DSAPP K30    W     N38500106W090263898                    W0009     NAR           DSAPP
        SUSAEAENRT   FUNKE K30    W     N38433926W090153558                    W0011     NAR           FUNKE
        SUSAEAENRT   HILTS K50    C   L N38074542W088193079                    W0025     NAR           HILTS
        SUSAEAENRT   KAEYE K30    W     N38532393W090134389                    W0011     NAR           KAEYE
        SUSAEAENRT   LENXX K30    W     N38540400W090184699                    W0011     NAR           LENXX
        SUSAEAENRT   RAMKR K50    W     N38433754W090113678                    W0011     NAR           RAMKR
        SUSAEAENRT   TEDDD K50    W     N38321184W089343031                    W0016     NAR           TEDDD
        SUSAEAENRT   WOLTR K30    W     N38494132W090250302                    W0010     NAR           WOLTR
        SUSAEAENRT   ZOLLI K50    C   L N38191223W088521073                    W0021     NAR           ZOLLI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTLK3ASTL     0     110YHN38445531W090221210E000000618         1800018000C    MNAR    LAMBERT-ST LOUIS INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTLK3DTEDDD14RW11  010         0        VA                     1222        + 01120     18000
        SUSAP KSTLK3DTEDDD14RW11  020FUNKEK3EA0E    010DF                                + 02500
        SUSAP KSTLK3DTEDDD14RW11  030RAMKRK5EA0E    010TF                     09050031
        SUSAP KSTLK3DTEDDD14RW11  040TEDDDK5EA0EE   010TF                     11120312
        SUSAP KSTLK3DTEDDD14RW12B 010         0        VA                     1222        + 01120     18000
        SUSAP KSTLK3DTEDDD14RW12B 020FUNKEK3EA0E    010DF                                + 02500
        SUSAP KSTLK3DTEDDD14RW12B 030RAMKRK5EA0E    010TF                     09050031
        SUSAP KSTLK3DTEDDD14RW12B 040TEDDDK5EA0EE   010TF                     11120312
        SUSAP KSTLK3DTEDDD14RW29  010         0        VA                     3022        + 01120     18000
        SUSAP KSTLK3DTEDDD14RW29  020DSAPPK3EA0E    010DF                                + 02500
        SUSAP KSTLK3DTEDDD14RW29  030ANNIIK3EA0E    010TF                     04180038
        SUSAP KSTLK3DTEDDD14RW29  040LENXXK3EA0E    010TF                     07160038
        SUSAP KSTLK3DTEDDD14RW29  050KAEYEK3EA0E    010TF                     09960040
        SUSAP KSTLK3DTEDDD14RW29  060TEDDDK5EA0EE   010TF                     12440337
        SUSAP KSTLK3DTEDDD14RW30B 010         0        VA                     3022        + 01120     18000
        SUSAP KSTLK3DTEDDD14RW30B 020WOLTRK3EA0E    010DF                                + 02500
```

QUALITY CHECKED 1

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
TEDDD RNAV	ONE	TEDDD1.TEDDD	NONE		

```
SUSAP KSTLK3DTEDDD14RW30B 030ANNIIK3EA0E    010TF                    02240035
SUSAP KSTLK3DTEDDD14RW30B 040LENXXK3EA0E    010TF                    07160038
SUSAP KSTLK3DTEDDD14RW30B 050KAEYEK3EA0E    010TF                    09960040
SUSAP KSTLK3DTEDDD14RW30B 060TEDDDK5EA0EE   010TF                    12440337
SUSAP KSTLK3DTEDDD16HILTS 010TEDDDK5EA0E       IF                                    18000
SUSAP KSTLK3DTEDDD16HILTS 020ENL  K5D 0V    010TF                    10950208
SUSAP KSTLK3DTEDDD16HILTS 030ZOLLIK5EA0E    010TF                    11360149
SUSAP KSTLK3DTEDDD16HILTS 040HILTSK5EA0EE   010TF                    11380282
SUSAP KSTLK3DTEDDD16IIU   010TEDDDK5EA0E       IF                                    18000
SUSAP KSTLK3DTEDDD16IIU   020ENL  K5D 0V    010TF                    10950208
SUSAP KSTLK3DTEDDD16IIU   030ZOLLIK5EA0E    010TF                    11360149
SUSAP KSTLK3DTEDDD16IIU   040HILTSK5EA0E    010TF                    11380282
SUSAP KSTLK3DTEDDD16IIU   050IIU  K5D 0VE   010TF                    08981301
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTLK3GRW11     0090011222 N38453583W090243555-0700    +0157000618000059150IIOGZ3
        SUSAP KSTLK3GRW12L    0090031222 N38450641W090215866+0800    +0129700528000054150IILDZ3
        SUSAP KSTLK3GRW12R    0110191222 N38451159W090223998+0400    +0133200540046754200IILMR1
        SUSAP KSTLK3GRW29     0090013022 N38444846W090225939+0700    +0138100556000056150IIRQN1
        SUSAP KSTLK3GRW30L    0110193022 N38441708W090204942-0400    +0146300583020158200IIBKY1    IRMKL
        SUSAP KSTLK3GRW30R    0090033022 N38441899W090202251-0800    +0152900605000057150IISJW3
```

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
TEDDD RNAV	ONE	TEDDD1.TEDDD	NONE		

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW11		010		VA		FB		122.2()		AA 01120	
	RW11	FUNKE	020		DF		FB	1.0			AA 02500	
	RW11	RAMKR	030		TF		FB	1.0	090.5()	003.1		
	RW11	TEDDD	040		TF		FB	1.0	111.2()	031.2		
	RW12B		010		VA		FB		122.2()		AA 01120	
	RW12B	FUNKE	020		DF		FB	1.0			AA 02500	
	RW12B	RAMKR	030		TF		FB	1.0	090.5()	003.1		
	RW12B	TEDDD	040		TF		FB	1.0	111.2()	031.2		
	RW29		010		VA		FB		302.2()		AA 01120	
	RW29	DSAPP	020		DF		FB	1.0			AA 02500	
	RW29	ANNII	030		TF		FB	1.0	041.8()	003.8		
	RW29	LENXX	040		TF		FB	1.0	071.6()	003.8		
	RW29	KAEYE	050		TF		FB	1.0	099.6()	004.0		
	RW29	TEDDD	060		TF		FB	1.0	124.4()	033.7		
	RW30B		010		VA		FB		302.2()		AA 01120	
	RW30B	WOLTR	020		DF		FB	1.0			AA 02500	
	RW30B	ANNII	030		TF		FB	1.0	022.4()	003.5		
	RW30B	LENXX	040		TF		FB	1.0	071.6()	003.8		
	RW30B	KAEYE	050		TF		FB	1.0	099.6()	004.0		
	RW30B	TEDDD	060		TF		FB	1.0	124.4()	033.7		
	HILTS	TEDDD	010		IF		FB					
	HILTS	ENL	020		TF		FB	1.0	109.5()	020.8		
	HILTS	ZOLLI	030		TF		FB	1.0	113.6()	014.9		
	HILTS	HILTS	040		TF		FB	1.0	113.8()	028.2		
	IIU	TEDDD	010		IF		FB					
	IIU	ENL	020		TF		FB	1.0	109.5()	020.8		
	IIU	ZOLLI	030		TF		FB	1.0	113.6()	014.9		
	IIU	HILTS	040		TF		FB	1.0	113.8()	028.2		
	IIU	IIU	050		TF		FB	1.0	089.8()	130.1		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ENL	N382512.00	W0890932.39	N3825.200	W08909.540
	IIU	N380612.47	W0853438.77	N3806.208	W08534.646
	ANNII	N385252.69	W0902322.37	N3852.878	W09023.373
	DSAPP	N385001.06	W0902638.98	N3850.018	W09026.650
	FUNKE	N384339.26	W0901535.58	N3843.654	W09015.593
	HILTS	N380745.42	W0881930.79	N3807.757	W08819.513
	KAEYE	N385323.93	W0901343.89	N3853.399	W09013.732
	LENXX	N385404.00	W0901846.99	N3854.067	W09018.783
	RAMKR	N384337.54	W0901136.78	N3843.626	W09011.613
	TEDDD	N383211.84	W0893430.31	N3832.197	W08934.505

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
TEDDD RNAV	ONE	TEDDD1.TEDDD	NONE		

WOLTR	N384941.32	W0902503.02	N3849.689	W09025.050
ZOLLI	N381912.23	W0885210.73	N3819.204	W08852.179
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
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
RW11	00618	59
RW12L	00528	54
RW12R	00540	54
RW29	00556	56
RW30L	00583	58
RW30R	00605	57

QUALITY CHECKED 1

RADIO FIX AND HOLDING DATA RECORD

NAME: ANNII **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 385252.69N/0902322.37W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	JHART (RNAV)			KSTL	ST LOUIS	MO (US)
DP	NATCA (RNAV)			KSTL	ST LOUIS	MO (US)
DP	TEDDD (RNAV)			KSTL	ST LOUIS	MO (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 04/09/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEVE NELSON)

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DSAPP **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 385001.06N/0902638.98W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	EEMOS (RNAV)			KSTL	ST LOUIS	MO (US)
DP	JHART (RNAV)			KSTL	ST LOUIS	MO (US)
DP	KSHEE (RNAV)			KSTL	ST LOUIS	MO (US)
DP	NATCA (RNAV)			KSTL	ST LOUIS	MO (US)
DP	ROTRY (RNAV)			KSTL	ST LOUIS	MO (US)
DP	TEDDD (RNAV)			KSTL	ST LOUIS	MO (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 04/09/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEVE NELSON)

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FUNKE **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 384339.26N/0901535.58W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	EEMOS (RNAV)			KSTL	ST LOUIS	MO (US)
DP	JHART (RNAV)			KSTL	ST LOUIS	MO (US)
DP	KSHEE (RNAV)			KSTL	ST LOUIS	MO (US)
DP	NATCA (RNAV)			KSTL	ST LOUIS	MO (US)
DP	ROTRY (RNAV)			KSTL	ST LOUIS	MO (US)
DP	TEDDD (RNAV)			KSTL	ST LOUIS	MO (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 04/09/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEVE NELSON)

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HILTS **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 380745.42N/0881930.79W **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	POCKET CITY	PXV	VORTAC	H	291.47	294.47	29.28	29.28		3000	17500
2	SAMSVILLE	SAM	VOR/DME	L	205.00	208.00		21.14		3000	17500

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BLUES	1, 2		KALN	ALTON/ST LOUIS	IL (US)
DP	BLUES	1, 2		KBLV	BELLEVILLE	IL (US)
DP	BLUES	1, 2		KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	BLUES	1, 2		KSTL	ST LOUIS	MO (US)
DP	TEDDD (RNAV)			KSTL	ST LOUIS	MO (US)
DP	BLUES	1, 2		KSUS	ST LOUIS	MO (US)
EN ROUTE	V4	1				(US)

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

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
UPDATED FIX USE.
DELETED FAC 3, NO LONGER REQUIRED.
ADDED NDB RWY 36, CARMI, IL (KCUL)TO FIX USE.
ADDED DME AND DISTANCE TO FAC 1 AND DIST TO FAC 2.
UPDATED MRA FOR FAC 1 AND 2 FROM 2100 TO 3000. MEA FOR V4 IS 3000.

DEVELOPED BY: **DATE:** 09/02/2011 **OFFICE:** AJV-353 **NAME:** STEVEN BARNETT (GRACE NOWAK)

APPROVED BY: **DATE:** 03/14/2012 **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

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

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KAEYE **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 385323.93N/0901343.89W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	JHART (RNAV)			KSTL	ST LOUIS	MO (US)
DP	TEDDD (RNAV)			KSTL	ST LOUIS	MO (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 04/10/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEVE NELSON)

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

SIGNATURE:

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

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LENXX **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 385404.00N/0901846.99W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	JHART (RNAV)			KSTL	ST LOUIS	MO (US)
DP	TEDDD (RNAV)			KSTL	ST LOUIS	MO (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 04/10/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEVE NELSON)

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

SIGNATURE:

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

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RAMKR **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 384337.54N/0901136.78W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	JHART (RNAV)			KSTL	ST LOUIS	MO (US)
DP	TEDDD (RNAV)			KSTL	ST LOUIS	MO (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 04/10/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEVE NELSON)

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

SIGNATURE:

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

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TEDDD **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 383211.84N/0893430.31W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TEDDD (RNAV)			KSTL	ST LOUIS	MO (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 04/10/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEVE NELSON)

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

SIGNATURE:

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

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WOLTR **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 384941.32N/0902503.02W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	EEMOS (RNAV)			KSTL	ST LOUIS	MO (US)
DP	JHART (RNAV)			KSTL	ST LOUIS	MO (US)
DP	KSHEE (RNAV)			KSTL	ST LOUIS	MO (US)
DP	NATCA (RNAV)			KSTL	ST LOUIS	MO (US)
DP	ROTRY (RNAV)			KSTL	ST LOUIS	MO (US)
DP	TEDDD (RNAV)			KSTL	ST LOUIS	MO (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 04/09/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEVE NELSON)

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

SIGNATURE:

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

QUALITY 3

RADIO FIX AND HOLDING DATA RECORD

NAME: ZOLLI **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 381912.23N/0885210.73W **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	CENTRALIA	ENL	VORTAC	H	109.60	113.60	14.91	14.91		3000	17500
2	MARION	MWA	VOR/DME	L	007.18	011.18	34.57	34.57		5000	17500

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

REMARKS:
CENTRALIA (FAC 1) AND MARION (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TEDDD (RNAV)			KSTL	ST LOUIS	MO (US)
EN ROUTE	V-4	1, 2				(US)
EN ROUTE	V429	1, 2				IL (US)
IAP	RNAV (GPS) RWY 18			KH96	BENTON	IL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
1. ADDED FIX TYPE WP.
2. CHANGED FAC 2 MRA FROM 2300 TO 5000.
3. ADDED FACILITIES USED TO ESTABLISH FIX COORDINATES NOTE.
4. UPDATED FIX USE.
5. UPDATED REQUIRED CHARTING.

DEVELOPED BY: **DATE:** 04/06/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (STEVE NELSON)

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CHI
ARTCC: ZKC
ATC FACILITY:
OTHER:

QUALITY 3 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	TEDDD (RNAV)			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)

QUALITY 3 CHECKED

STAR	DAMEN (RNAV)	KSDF	LOUISVILLE	KY (US)
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:

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: LOUISVILLE VORTAC **STATE:** KY **COUNTRY:** US

LATITUDE/LONGITUDE: 380612.47N/0853438.77W **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	LOUISVILLE	IIU	VORTAC	H							45000

FIX RESTRICTIONS:
SPECIAL RNAV (GPS) Y RWY 17L, KSDF, LOUISVILLE, KY
VOR UNUSABLE 285 - 093 BELOW 10000.

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	SE	IIU	VORTAC	120.00	300.00	R	1		3000	6000	4	5
2	SE		WP	120.00	300.00	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (21-000719)	380853.00N/0852942.00W	1089	5D
1	310	TOWER (21-000115)	381135.00N/0853114.00W	1229	2C
2	200	TOWER (21-000719)	380853.00N/0852942.00W	1089	5D
2	310	TOWER (21-000115)	381135.00N/0853114.00W	1229	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 17L	KSDF	LOUISVILLE	KY (US)
2	RNAV (GPS) Y RWY 17L	KSDF	LOUISVILLE	KY (US)

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	BLUES			KBLV	BELLEVILLE	IL (US)
DP	BLUES			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	DAWNN			KEYE	INDIANAPOLIS	IN (US)
DP	DAWNN			KHFY	INDIANAPOLIS	IN (US)
DP	DAWNN			KIND	INDIANAPOLIS	IN (US)
DP	DAWNN			KMQJ	INDIANAPOLIS	IN (US)
DP	DAWNN			KTYQ	INDIANAPOLIS	IN (US)
DP	DAWNN			KUMP	INDIANAPOLIS	IN (US)
DP	DAWNN			KGEZ	SHELBYVILLE	IN (US)
DP	BLUEGRASS			KCVG	COVINGTON	KY (US)
DP	CHCLL (RNAV)			KCVG	COVINGTON	KY (US)
DP	CINCINNATI			KCVG	COVINGTON	KY (US)
DP	BLUES			KSTL	ST LOUIS	MO (US)
DP	BLUES			KSUS	ST LOUIS	MO (US)
DP	CHATANOOGA			KCHA	CHATTANOOGA	TN (US)
DP	KNOXVILLE			KTYS	KNOXVILLE	TN (US)
DP	TITAN			KBNA	NASHVILLE	TN (US)
EN ROUTE	J112					(US)
EN ROUTE	J39					(US)
EN ROUTE	J526					(US)
EN ROUTE	J78					(US)
EN ROUTE	J8					(US)
EN ROUTE	J89					(US)
EN ROUTE	J99					(US)
EN ROUTE	T213					(US)
EN ROUTE	V171					(US)
EN ROUTE	V310					(US)
EN ROUTE	V4					(US)
EN ROUTE	V5					(US)
EN ROUTE	V51					(US)
EN ROUTE	V512					(US)
EN ROUTE	V513					(US)
EN ROUTE	V53					(US)
IAP	LOC/DME RWY 30			KDVK	DANVILLE	KY (US)
IAP	VOR-A			KEKX	ELIZABETHTOWN	KY (US)
IAP	RNAV (GPS) RWY 18			KFTK	FORT KNOX	KY (US)
IAP	RNAV (GPS) RWY 24			KLOU	LOUISVILLE	KY (US)

QUALITY 3 CHECKED

IAP	VOR RWY 24	1	KLOU	LOUISVILLE	KY (US)
IAP	ILS OR LOC RWY 17L	1	KSDF	LOUISVILLE	KY (US)
IAP	ILS OR LOC RWY 17R		KSDF	LOUISVILLE	KY (US)
IAP	ILS OR LOC RWY 35L		KSDF	LOUISVILLE	KY (US)
IAP	ILS OR LOC RWY 35R		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35L (CAT II, III)		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35L (SA CAT I)		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35R (CAT II, III)		KSDF	LOUISVILLE	KY (US)
IAP	ILS RWY 35R (SA CAT I)		KSDF	LOUISVILLE	KY (US)
IAP	LOC RWY 29		KSDF	LOUISVILLE	KY (US)
IAP	RNAV (GPS) Y RWY 17L	2	KSDF	LOUISVILLE	KY (US)
IAP	RNAV (RNP) Z RWY 17L	2	KSDF	LOUISVILLE	KY (US)
STAR	DECEE		KIND	INDIANAPOLIS	IN (US)
STAR	CHERI		KJVY	JEFFERSONVILLE	IN (US)
STAR	DARBY		KJVY	JEFFERSONVILLE	IN (US)
STAR	REDSTONE		KJVY	JEFFERSONVILLE	IN (US)
STAR	SARGO (RNAV)		KCVG	COVINGTON	KY (US)
STAR	GENUS		KK62	FALMOUTH	KY (US)
STAR	CHERI		KFTK	FORT KNOX	KY (US)
STAR	CLEGG		KLEX	LEXINGTON	KY (US)
STAR	CHERI		KLOU	LOUISVILLE	KY (US)
STAR	DARBY		KLOU	LOUISVILLE	KY (US)
STAR	REDSTONE		KLOU	LOUISVILLE	KY (US)
STAR	CHERI		KSDF	LOUISVILLE	KY (US)
STAR	DARBY		KSDF	LOUISVILLE	KY (US)
STAR	DLAMP (RNAV)		KSDF	LOUISVILLE	KY (US)
STAR	FRIZN (RNAV)		KSDF	LOUISVILLE	KY (US)
STAR	MAUDD (RNAV)		KSDF	LOUISVILLE	KY (US)
STAR	MBELL (RNAV)		KSDF	LOUISVILLE	KY (US)
STAR	REDSTONE		KSDF	LOUISVILLE	KY (US)
STAR	GENUS		KI69	BATAVIA	OH (US)
STAR	GENUS		KLUK	CINCINNATI	OH (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	GAILL (RNAV)		KLCK	COLUMBUS	OH (US)
STAR	GAILL (RNAV)		KOSU	COLUMBUS	OH (US)
STAR	GAILL (RNAV)		KTZR	COLUMBUS	OH (US)
STAR	ZABER		K1G1	ELYRIA	OH (US)
STAR	GENUS		KHAO	HAMILTON	OH (US)
STAR	GAILL (RNAV)		KLHQ	LANCASTER	OH (US)
STAR	ZABER		KLPR	LORAIN/ELYRIA	OH (US)
STAR	ZABER		K7G8	MIDDLEFIELD	OH (US)
STAR	GAILL		KVTA	NEWARK	OH (US)
STAR	ZABER		KLNN	WILLOUGHBY	OH (US)
STAR	GUITR		KMBT	MURFREESBORO	TN (US)
STAR	HEHAW		KMBT	MURFREESBORO	TN (US)
STAR	GUITR		KBNA	NASHVILLE	TN (US)
STAR	HEHAW		KBNA	NASHVILLE	TN (US)
STAR	GUITR		KJWN	NASHVILLE	TN (US)
STAR	HEHAW		KJWN	NASHVILLE	TN (US)
STAR	GUITR		KMQY	SMYRNA	TN (US)
STAR	HEHAW		KMQY	SMYRNA	TN (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 10/22/2009

REASON FOR REVISION:
UPDATED HOLDING OBSTACLE DATA ID'S.
ADDED PRECIPITOUS TERRAIN STATEMENT.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 04/20/2009 **OFFICE:** AVN-120 **NAME:** JON DENTON

APPROVED BY: **DATE:** 08/11/2009 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZID
ATC FACILITY: SDF APP CON/ATCT
OTHER:

QUALITY 3 CHECKED

Name:	enanders
Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	2/21/2012 5:16:50 PM
Input File:	TEDDD RW11 IIU 20120...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔ Please Check Flyability Results
DME/DME	✔
Radars	✔
Comms	
TERPS	

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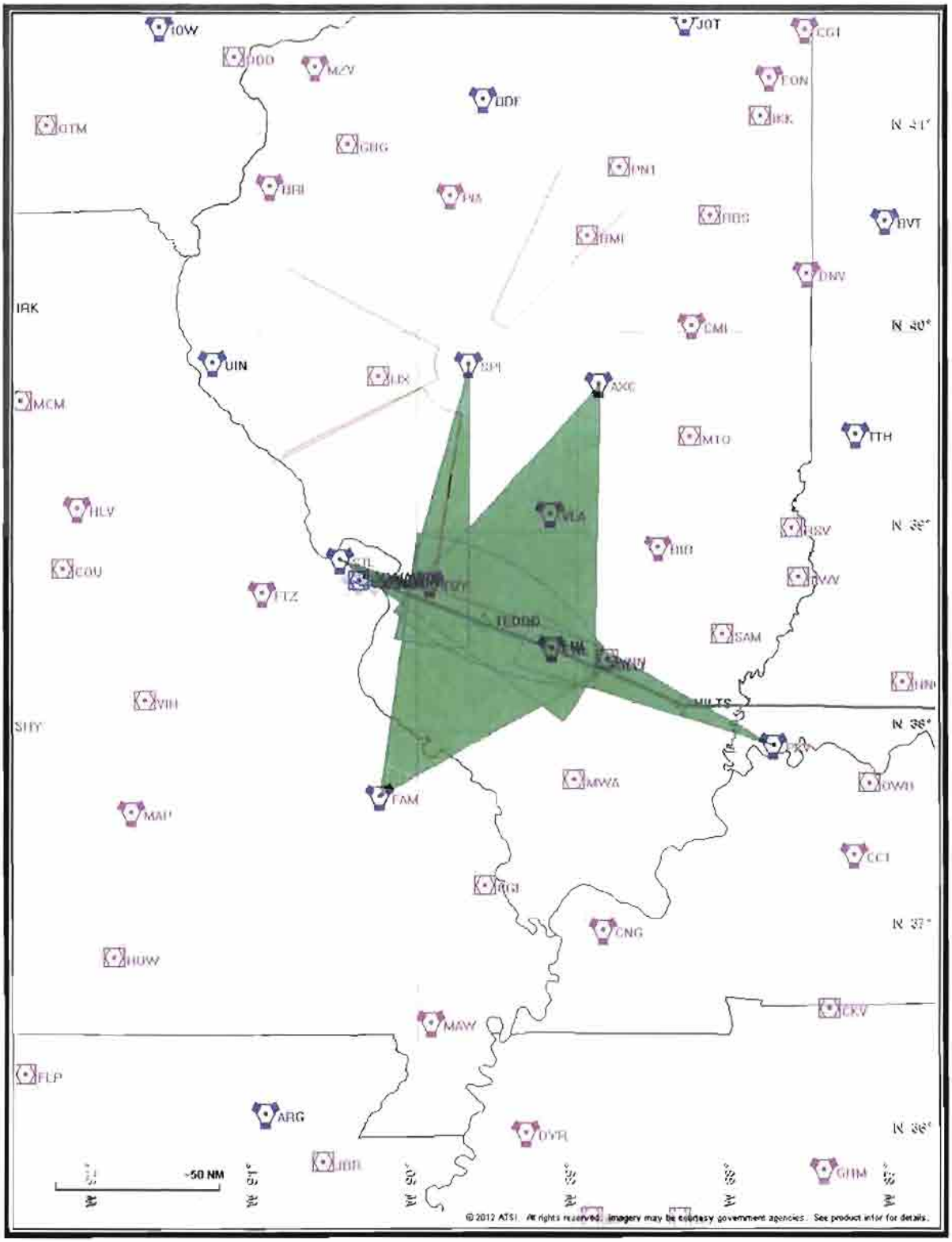
10W
J0T
CGI
MCV
UDF
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GTM
GBG
IPN
HA
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BVT
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IRK
CMI
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BPI
AXE
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N 39°
COU
FTZ
TEDDD
SAM
VIH
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N 38°
SHY
MWA
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FAM
MAF
CCI
RGI
CNG
N 37°
HOW
CKV
MAW
FLP
ARG
DYR
N 36°
JBR
GHM
~50 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW11(A...	WP	N 38° 45' 35.83" W 90° 24' 35.55"	618.0	VNAV	0.0	Fly Over	TF
RW29(D...	WP	N 38° 44' 48.46" W 90° 22' 59.39"	591.0	VNAV	130.0	Fly Over	VA
GH11:	WP	N 38° 44' 12.37" W 90° 21' 46.18"	1120.0	VNAV	145.0	Fly Over	DF
FUNKE	WP	N 38° 43' 39.26" W 90° 15' 35.58"	2500.0	VNAV	180.0	Fly By	TF
RAMKR	WP	N 38° 43' 37.54" W 90° 11' 36.78"	3122.9	VNAV	180.0	Fly By	TF
TEDDD	WP	N 38° 32' 11.84" W 89° 34' 30.31"	9370.7	VNAV	180.0	Fly By	TF
ENL	WP	N 38° 25' 11.99" W 89° 9' 32.39"	13533.3	VNAV	210.0	Fly By	TF
ZOLLI	WP	N 38° 19' 12.23" W 88° 52' 10.73"	16515.2	VNAV	210.0	Fly By	TF
HILTS	WP	N 38° 7' 45.42" W 88° 19' 30.79"	18000.0	VNAV	240.0	Fly By	TF
IIU	WP	N 38° 6' 12.47" W 85° 34' 38.77"	18000.0	VNAV	240.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL

Climb Gradient: 200 Ft/NM after next to last waypoint up to 18000.0 Ft

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KSTL
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **29000.0 Ft.**
280.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -2.94 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER

DME/DME

Return To Summary

Settings:

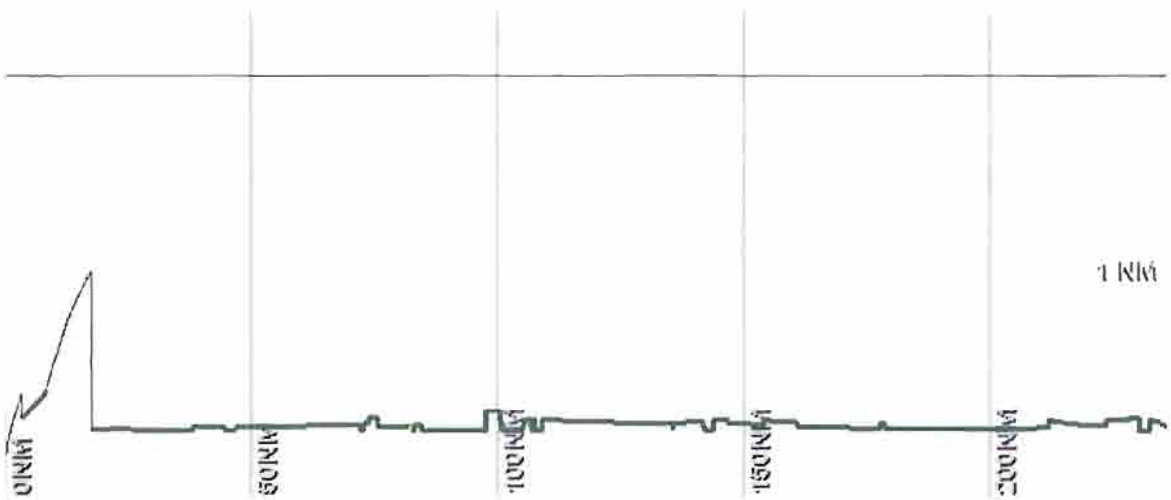
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1839 Ft.

Total Number of DMEs Used: 18

Maximum DME Error: 0.936 NM.

No Critical DMEs were found.

Available DMEs: STL, FTZ, CSX, TOY, SPI, ENL, FAM, AXC, VNN, PXV, MWA, SAM, TTH, BWG, IIU, FLM, EWO, ABB



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	STL	N 38° 51' 38.48" W 90° 28' 56.52"	H + ESV	User	NO	1.254	Enabled	7.9 %	6.9 %
2	FTZ	N 38° 41' 39.58" W 90° 58' 16.17"	L	Database	NO	1.254	Enabled	3.3 %	2.1 %
3	SPI	N 39° 50' 23.04" W 89° 40' 39.83"	H + ESV	User	NO	1.247	Enabled	4.0 %	4.1 %
4	CSX	N 38° 45' 9.88" W 90° 21' 39.46"	H	Database	NO	0.936	Enabled	8.3 %	8.7 %
5	FAM	N 37° 40' 24.39" W 90° 14' 2.53"	H + ESV	User	NO	0.936	Enabled	7.3 %	7.7 %
6	ENL	N 38° 25' 12.00" W 89° 9' 32.39"	H	Database	NO	0.936	Enabled	14.8 %	15.5 %
7	AXC	N 39° 44' 15.08" W 88° 51' 23.15"	H + ESV	User	NO	0.936	Enabled	14.6 %	15.2 %
8	TOY	N 38° 44' 20.97" W 89° 55' 7.06"	L	Database	NO	0.936	Enabled	0.9 %	1.0 %
9	VNN	N 38° 21' 43.03" W 88° 48' 26.41"	L	Database	NO	0.936	Enabled	18.1 %	18.9 %
10	MWA	N 37° 45' 15.32" W 89° 0' 42.00"	L	Database	NO	0.936	Enabled	9.1 %	9.4 %
11	SAM	N 38° 29' 6.68" W 88° 5' 8.93"	L	Database	NO	0.936	Enabled	3.5 %	3.6 %
12	PXV	N 37° 55' 41.95" W 87° 45' 44.56"	H + ESV	User	NO	0.936	Enabled	21.6 %	22.5 %
13	TTH	N 39° 29' 20.19" W 87° 14' 56.47"	H	Database	NO	0.936	Enabled	18.5 %	19.3 %
14	BWG	N 36° 55' 43.47" W 86° 26' 36.36"	H	Database	NO	0.936	Enabled	23.4 %	24.4 %
15	IIU	N 38° 6' 12.47" W 85° 34' 38.77"	H	Database	NO	0.936	Enabled	13.2 %	13.7 %
16	EWO	N 37° 37' 54.52" W 85° 40' 33.16"	L	Database	NO	0.936	Enabled	8.2 %	8.6 %
17	FLM	N 38° 38' 58.16" W 84° 18' 38.27"	H	Database	NO	0.936	Enabled	6.1 %	6.3 %
18	ABB	N 38° 35' 19.82" W 85° 38' 9.57"	L	Database	NO	0.936	Enabled	1.5 %	1.6 %

Flight Check DME Selection

Distance [NM]	Selected DMEs	Alternate
0.0		
1.5	STL	

DME/DME (Continued.)

Return To Summary

Flight Check DME Selection (Continued.)

Distance [NM]	Selected DMEs					Alternate
2.5	STL	FTZ	CSX			
7.4	STL	FTZ	CSX			
10.4	STL	FTZ	CSX	TOY	SPI	
20.5	ENL	FAM	CSX	TOY	SPI	STL
30.5	ENL	FAM	STL	TOY	AXC	CSX
41.7	ENL	FAM	STL	TOY	AXC	VNN
51.8	ENL	FAM	STL	VNN	AXC	TOY
62.4	SPI	MWA	CSX	VNN	AXC	FAM
77.5	PXV	MWA	CSX	VNN	SAM	AXC
95.0	FAM	MWA	AXC	VNN	SAM	ENL
105.2	ENL	TTH	PXV	VNN	SAM	BWG
142.1	ENL	TTH	PXV	BWG	SAM	IIU
153.9	IIU	TTH	PXV	BWG	FLM	ENL
207.6	IIU	ABB	EWO	BWG	FLM	PXV
221.7	IIU	ABB	EWO	PXV	FLM	BWG

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 38° 45' 35.83" W 90° 24' 35.55"	N 38° 44' 5.41" W 90° 21' 13.44"	3.1
	VOR: CSX	Available from N 38° 45' 35.83" W 90° 24' 35.55" to N 38° 44' 5.41" W 90° 21' 13.44"	
	VOR: FTZ	Available from N 38° 45' 35.83" W 90° 24' 35.55" to N 38° 44' 5.41" W 90° 21' 13.44"	
	VOR: STL	Available from N 38° 45' 35.83" W 90° 24' 35.55" to N 38° 44' 5.41" W 90° 21' 13.44"	
	VOR: TOY	Available from N 38° 45' 35.83" W 90° 24' 35.55" to N 38° 44' 5.41" W 90° 21' 13.44"	
2	N 38° 43' 38.90" W 90° 15' 1.93"	N 38° 41' 13.32" W 90° 3' 44.04"	9.3
	VOR: CSX	Available from N 38° 43' 38.90" W 90° 15' 1.93" to N 38° 41' 13.32" W 90° 3' 44.04"	
	VOR: FTZ	Available from N 38° 43' 38.90" W 90° 15' 1.93" to N 38° 42' 17.56" W 90° 7' 14.24"	
	VOR: STL	Available from N 38° 43' 38.90" W 90° 15' 1.93" to N 38° 41' 13.32" W 90° 3' 44.04"	
	VOR: TOY	Available from N 38° 43' 38.90" W 90° 15' 1.93" to N 38° 41' 13.32" W 90° 3' 44.04"	

DME/DME (Continued.)

Return To Summary

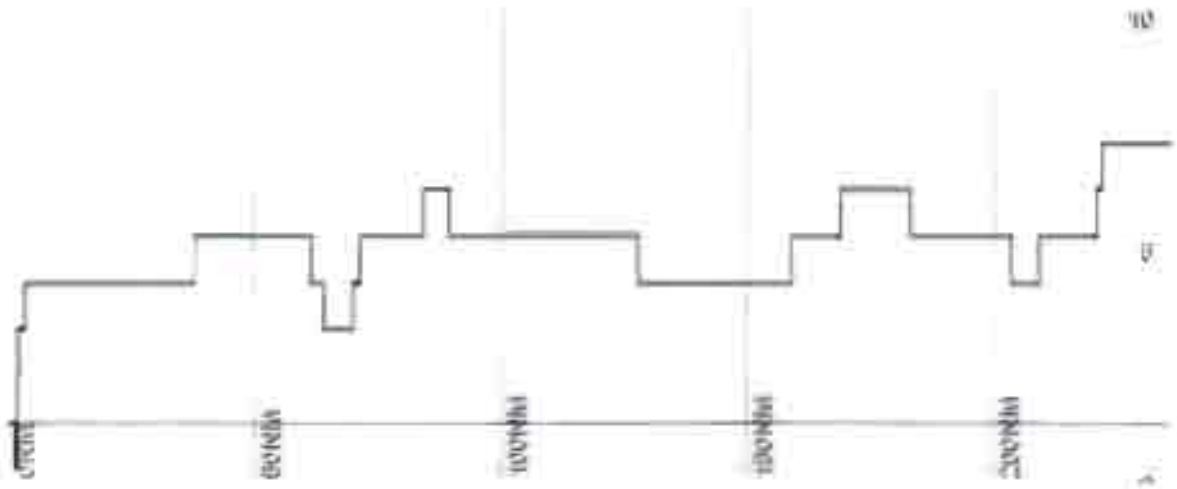
User DMEs

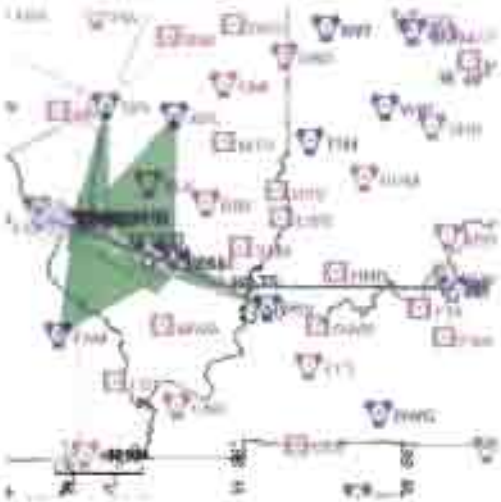
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	PXV	N 37° 55' 41.95" W 87° 45' 44.56"	H	384.3	113.30	PXV	Used
		ESV: Bearing [True]: 288.0° to 300.0° Bearing [Mag]: 285.0° to 297.0°			Arc Distance: Out to 81.0 NM Altitude: 10000.0 to 17000.0 Ft.		
2	FAM	N 37° 40' 24.39" W 90° 14' 2.53"	H	1220.0	115.70	FAM	Used
		ESV: Bearing [True]: 8.0° to 60.0° Bearing [Mag]: 7.0° to 59.0°			Arc Distance: Out to 80.0 NM Altitude: 6000.0 to 17000.0 Ft.		
3	STL	N 38° 51' 38.48" W 90° 28' 56.52"	H	449.5	117.40	STL	Used
		ESV: Bearing [True]: 108.0° to 126.0° Bearing [Mag]: 107.0° to 125.0°			Arc Distance: Out to 82.0 NM Altitude: 6000.0 to 17000.0 Ft.		
4	AXC	N 39° 44' 15.08" W 88° 51' 23.15"	H	707.5	117.20	AXC	Used
		ESV: Bearing [True]: 181.0° to 222.0° Bearing [Mag]: 178.0° to 219.0°			Arc Distance: Out to 91.0 NM Altitude: 6000.0 to 17000.0 Ft.		
5	SPI	N 39° 50' 23.04" W 89° 40' 39.83"	H	586.3	112.70	SPI	Used
		Restriction: Bearing [True]: 24.0° to 44.0° Bearing [Mag]: 25.0° to 45.0°			Distance: Beyond 15.0 NM Altitude: Below 3000.0 Ft.		
		Restriction: Bearing [True]: 189.0° to 243.0° Bearing [Mag]: 190.0° to 244.0°			Distance: Beyond 15.0 NM Altitude: Below 4000.0 Ft.		
		Restriction: Bearing [True]: 244.0° to 299.0° Bearing [Mag]: 245.0° to 300.0°			Distance: Beyond 10.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 180.0° to 195.0° Bearing [Mag]: 181.0° to 196.0°			Arc Distance: Out to 85.0 NM Altitude: 4000.0 to 15000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Input File:	TEDOD RW12L IIU 2012...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔	**Please Check Flyability Results**
DME/DME	✔	
Radars	✔	
Comms		
TERPS		

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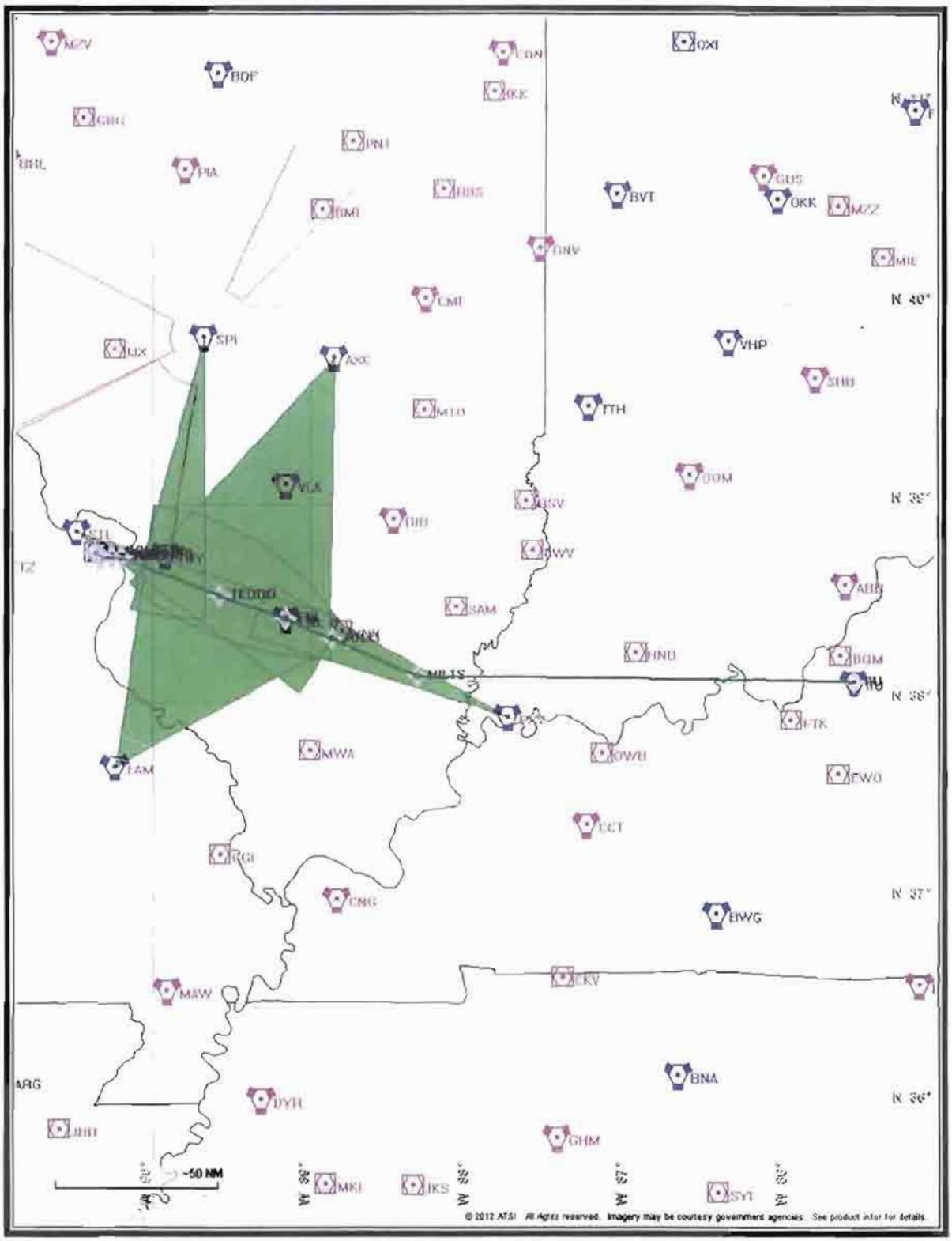
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MAW
EKY
BNA
DYR
GHM
MKL
IKS
SYI
N 40°
N 39°
N 38°
N 37°
N 36°
~50 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW12L(	WP	N 38° 45' 6.41" W 90° 21' 58.66"	528.3	VNAV	0.0	Fly Over	TF
RW30R(...	WP	N 38° 44' 18.99" W 90° 20' 22.51"	639.5	VNAV	130.0	Fly Over	VA
GH12L	WP	N 38° 43' 45.97" W 90° 19' 15.62"	1120.0	VNAV	145.0	Fly Over	DF
FUNKE	WP	N 38° 43' 39.26" W 90° 15' 35.58"	2500.0	VNAV	180.0	Fly By	TF
RAMKR	WP	N 38° 43' 37.54" W 90° 11' 36.78"	3122.9	VNAV	180.0	Fly By	TF
TEDDO	WP	N 38° 32' 11.84" W 89° 34' 30.31"	9370.7	VNAV	180.0	Fly By	TF
ENL	WP	N 38° 25' 11.99" W 89° 9' 32.39"	13533.3	VNAV	210.0	Fly By	TF
ZOLLI	WP	N 38° 19' 12.23" W 88° 52' 10.73"	16515.2	VNAV	210.0	Fly By	TF
HILTS	WP	N 38° 7' 45.42" W 88° 19' 30.79"	18000.0	VNAV	240.0	Fly By	TF
IIU	WP	N 38° 6' 12.47" W 85° 34' 38.77"	18000.0	VNAV	240.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL

Climb Gradient: 200 Ft/NM after next to last waypoint up to 18000.0 Ft

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KSTL
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **29000.0 Ft.**
280.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -64.22 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

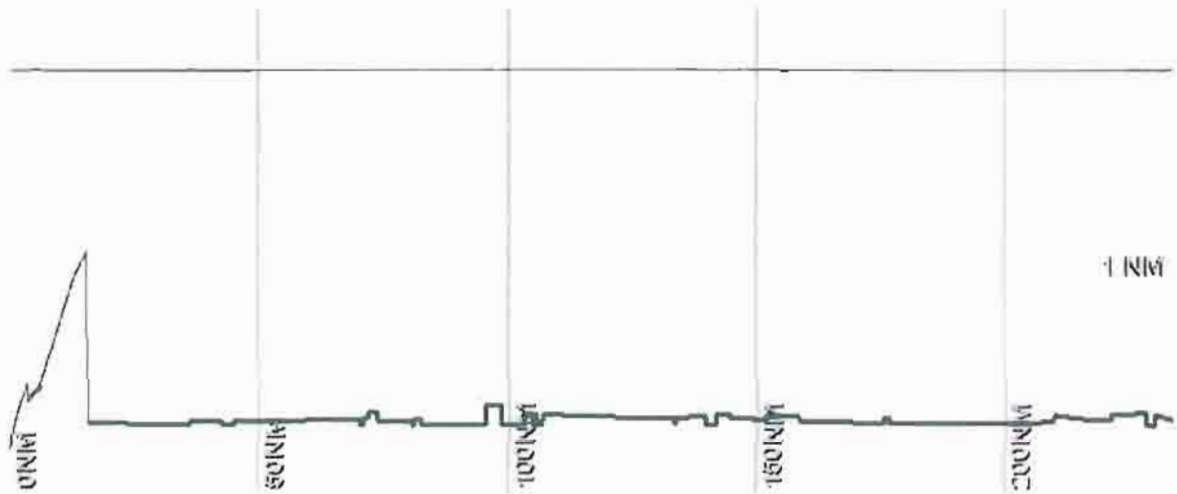
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 2122 Ft.

Total Number of DMEs Used: 18

Maximum DME Error: 0.993 NM.

No Critical DMEs were found.

Available DMEs: STL, FTZ, CSX, TOY, SPI, ENL, FAM, AXC, VNN, PXV, MWA, SAM, TTH, BWG, IIU, FLM, EWO, ABB



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	STL	N 38° 51' 38.48" W 90° 28' 56.52"	H + ESV	User	NO	1.172	Enabled	6.4 %	6.0 %
2	FTZ	N 38° 41' 39.58" W 90° 58' 16.17"	L	Database	NO	1.172	Enabled	1.7 %	1.1 %
3	SPI	N 39° 50' 23.04" W 89° 40' 39.83"	H + ESV	User	NO	1.304	Enabled	4.0 %	4.1 %
4	CSX	N 38° 45' 9.88" W 90° 21' 39.46"	H	Database	NO	0.993	Enabled	8.4 %	8.8 %
5	FAM	N 37° 40' 24.39" W 90° 14' 2.53"	H + ESV	User	NO	0.993	Enabled	7.3 %	7.7 %
6	ENL	N 38° 25' 12.00" W 89° 9' 32.39"	H	Database	NO	0.993	Enabled	15.0 %	15.6 %
7	AXC	N 39° 44' 15.08" W 88° 51' 23.15"	H + ESV	User	NO	0.993	Enabled	14.8 %	15.4 %
8	TOY	N 38° 44' 20.97" W 89° 55' 7.06"	L	Database	NO	0.993	Enabled	0.9 %	1.0 %
9	VNN	N 38° 21' 43.03" W 88° 48' 26.41"	L	Database	NO	0.993	Enabled	18.3 %	19.1 %
10	MWA	N 37° 45' 15.32" W 89° 0' 42.00"	L	Database	NO	0.993	Enabled	9.2 %	9.6 %
11	SAM	N 38° 29' 6.68" W 88° 5' 8.93"	L	Database	NO	0.993	Enabled	3.5 %	3.7 %
12	PXV	N 37° 55' 41.95" W 87° 45' 44.56"	H + ESV	User	NO	0.993	Enabled	21.8 %	22.7 %
13	TTH	N 39° 29' 20.19" W 87° 14' 56.47"	H	Database	NO	0.993	Enabled	18.6 %	19.4 %
14	BWG	N 36° 55' 43.47" W 86° 26' 36.36"	H	Database	NO	0.993	Enabled	23.6 %	24.6 %
15	IIU	N 38° 6' 12.47" W 85° 34' 38.77"	H	Database	NO	0.993	Enabled	13.2 %	13.8 %
16	EWO	N 37° 37' 54.52" W 85° 40' 33.16"	L	Database	NO	0.993	Enabled	8.3 %	8.7 %
17	FLM	N 38° 38' 58.16" W 84° 18' 38.27"	H	Database	NO	0.993	Enabled	6.1 %	6.4 %
18	ABB	N 38° 35' 19.82" W 85° 38' 9.57"	L	Database	NO	0.993	Enabled	1.5 %	1.6 %

Flight Check DME Selection

Distance [NM]	Selected DMEs	Alternate
0.0		
1.5		

DME/DME (Continued.)

Return To Summary

Flight Check DME Selection (Continued.)

Distance [NM]	Selected DMEs					Alternate
2.5	STL	FTZ	CSX			
5.4	STL	FTZ	CSX			
8.3	STL	FTZ	CSX	TOY	SPI	
18.4	ENL	FAM	CSX	TOY	SPI	STL
28.4	ENL	FAM	STL	TOY	AXC	CSX
39.7	ENL	FAM	STL	TOY	AXC	VNN
49.7	ENL	FAM	STL	VNN	AXC	TOY
60.4	SPI	MWA	CSX	VNN	AXC	FAM
75.5	PXV	MWA	CSX	VNN	SAM	AXC
93.0	FAM	MWA	AXC	VNN	SAM	ENL
103.1	ENL	TTH	PXV	VNN	SAM	BWG
140.0	ENL	TTH	PXV	BWG	SAM	IIU
151.8	IIU	TTH	PXV	BWG	FLM	ENL
205.5	IIU	ABB	EWO	BWG	FLM	PXV
219.6	IIU	ABB	EWO	PXV	FLM	BWG

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 38° 45' 6.41" W 90° 21' 58.66"	N 38° 43' 37.87" W 90° 18' 20.88"	3.3
	VOR: CSX	Available from N 38° 45' 6.41" W 90° 21' 58.66" to N 38° 43' 37.87" W 90° 18' 20.88"	
	VOR: FTZ	Available from N 38° 45' 6.41" W 90° 21' 58.66" to N 38° 43' 37.87" W 90° 18' 20.88"	
	VOR: STL	Available from N 38° 45' 6.41" W 90° 21' 58.66" to N 38° 43' 37.87" W 90° 18' 20.88"	
	VOR: TOY	Available from N 38° 45' 6.41" W 90° 21' 58.66" to N 38° 43' 37.87" W 90° 18' 20.88"	
2	N 38° 43' 39.12" W 90° 15' 4.10"	N 38° 41' 12.91" W 90° 3' 42.69"	9.3
	VOR: CSX	Available from N 38° 43' 39.12" W 90° 15' 4.10" to N 38° 41' 12.91" W 90° 3' 42.69"	
	VOR: FTZ	Available from N 38° 43' 39.12" W 90° 15' 4.10" to N 38° 42' 16.95" W 90° 7' 12.21"	
	VOR: STL	Available from N 38° 43' 39.12" W 90° 15' 4.10" to N 38° 41' 12.91" W 90° 3' 42.69"	
	VOR: TOY	Available from N 38° 43' 39.12" W 90° 15' 4.10" to N 38° 41' 12.91" W 90° 3' 42.69"	

DME/DME (Continued.)

Return To Summary

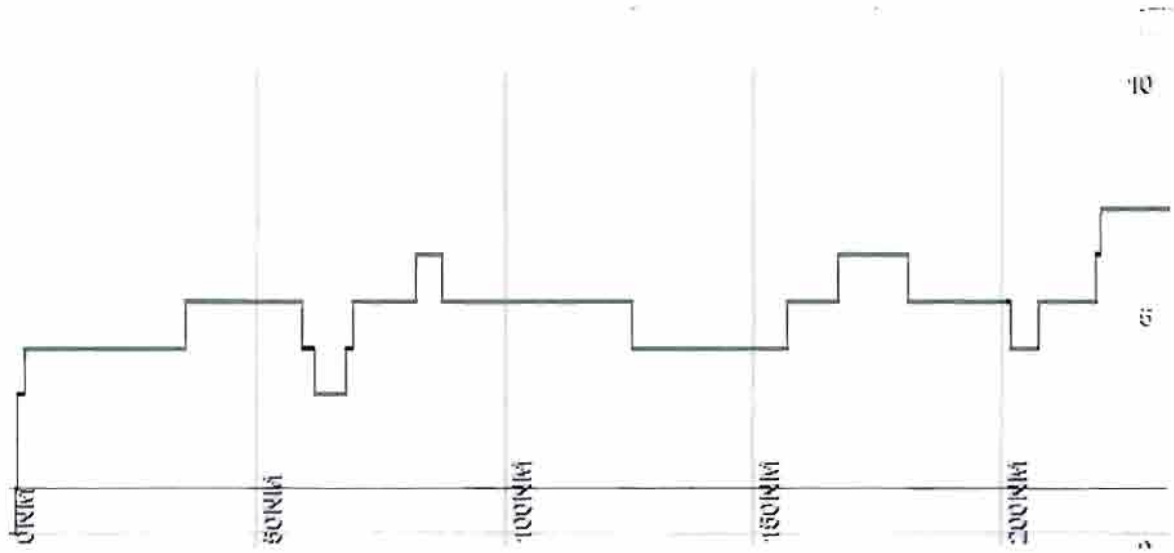
User DMEs

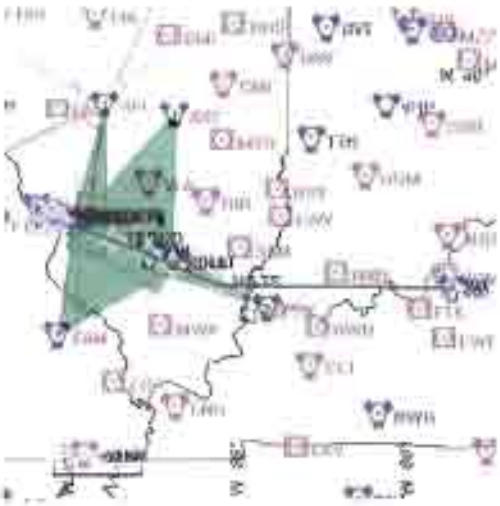
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	PXV	N 37° 55' 41.95" W 87° 45' 44.56"	H	384.3	113.30	PXV	Used
		ESV: Bearing [True]: 288.0° to 300.0° Bearing [Mag]: 285.0° to 297.0°			Arc Distance: Out to 81.0 NM Altitude: 10000.0 to 17000.0 Ft.		
2	FAM	N 37° 40' 24.39" W 90° 14' 2.53"	H	1220.0	115.70	FAM	Used
		ESV: Bearing [True]: 8.0° to 60.0° Bearing [Mag]: 7.0° to 59.0°			Arc Distance: Out to 80.0 NM Altitude: 6000.0 to 17000.0 Ft.		
3	STL	N 38° 51' 38.48" W 90° 28' 56.52"	H	449.5	117.40	STL	Used
		ESV: Bearing [True]: 108.0° to 126.0° Bearing [Mag]: 107.0° to 125.0°			Arc Distance: Out to 82.0 NM Altitude: 6000.0 to 17000.0 Ft.		
4	AXC	N 39° 44' 15.08" W 88° 51' 23.15"	H	707.5	117.20	AXC	Used
		ESV: Bearing [True]: 181.0° to 222.0° Bearing [Mag]: 178.0° to 219.0°			Arc Distance: Out to 91.0 NM Altitude: 6000.0 to 17000.0 Ft.		
5	SPI	N 39° 50' 23.04" W 89° 40' 39.83"	H	586.3	112.70	SPI	Used
		Restriction: Bearing [True]: 24.0° to 44.0° Bearing [Mag]: 25.0° to 45.0°			Distance: Beyond 15.0 NM Altitude: Below 3000.0 Ft.		
		Restriction: Bearing [True]: 189.0° to 243.0° Bearing [Mag]: 190.0° to 244.0°			Distance: Beyond 15.0 NM Altitude: Below 4000.0 Ft.		
		Restriction: Bearing [True]: 244.0° to 299.0° Bearing [Mag]: 245.0° to 300.0°			Distance: Beyond 10.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 180.0° to 195.0° Bearing [Mag]: 181.0° to 196.0°			Arc Distance: Out to 85.0 NM Altitude: 4000.0 to 15000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types**: ARSR and ASR





Name:	enanders
Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	2/21/2012 6:07:11 PM
Input File:	TEDDD RW12R IIU 2012...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔	**Please Check Flyability Results**
DME/DME	✔	
Radars	✔	
Comms		
TERPS		

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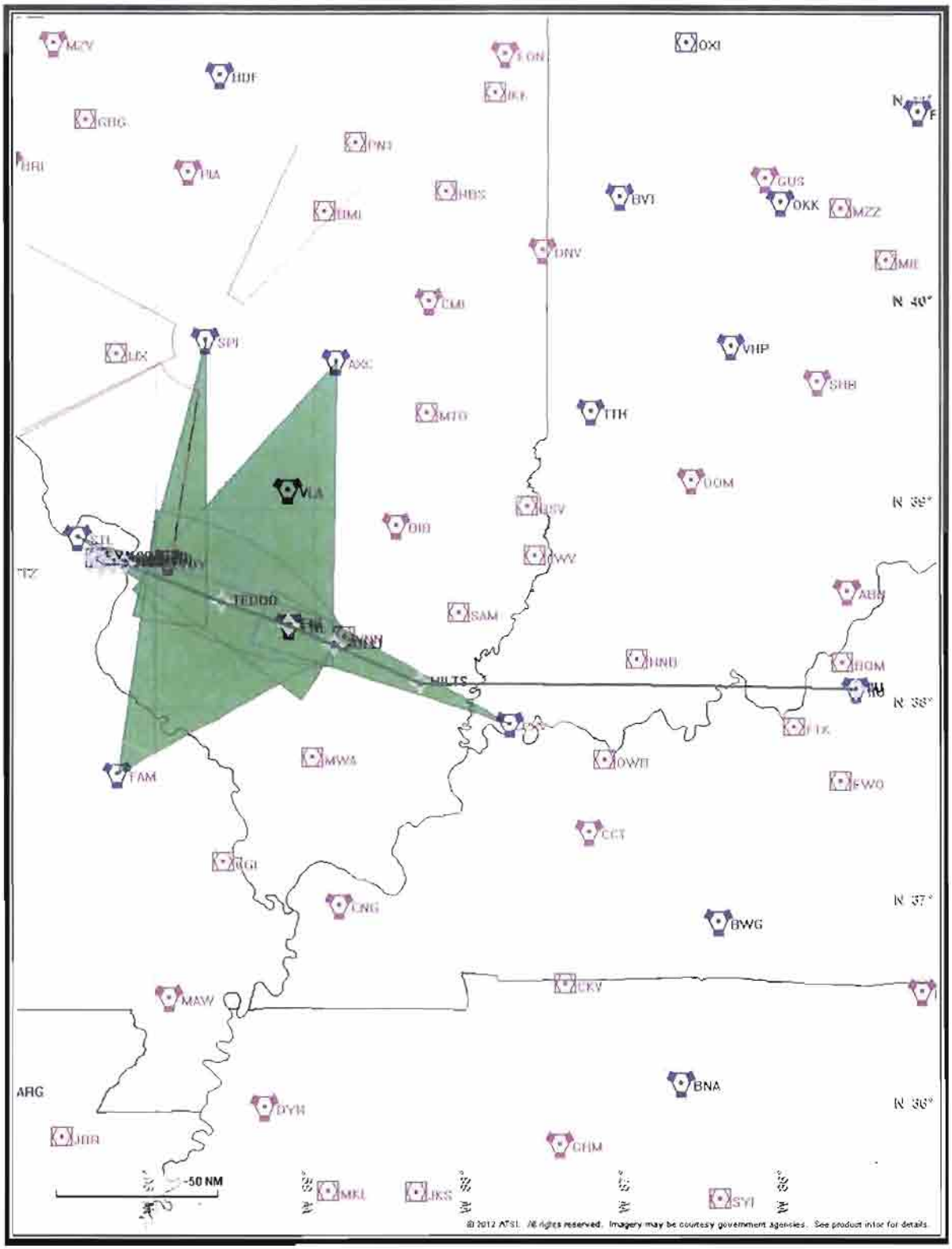
MZV
HDF
GBG
PNT
HIA
HBS
BVI
GUS
OKK
MZZ
DNV
MIE
CMI
N 40°
SPI
LIX
AXC
VHP
SHB
MTO
TTK
UOM
VLA
N 39°
DIB
STL
TZ
TEDDD
SAM
ABN
HNB
BGM
MILTS
IIU
N 38°
FTK
MWA
OWB
FAM
FWO
CGT
LNG
N 37°
BWG
MAW
BNA
ARG
DYR
N 36°
JBR
GHM
-50 NM
MKL
JKS
SYI
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW12R(...	WP	N 38° 45' 11.59" W 90° 22' 39.98"	541.6	VNAV	0.0	Fly Over	TF
RW30L(...	WP	N 38° 44' 16.01" W 90° 20' 47.27"	620.8	VNAV	130.0	Fly Over	VA
GH12R	WP	N 38° 43' 41.81" W 90° 19' 37.96"	1120.0	VNAV	145.0	Fly Over	DF
FUNKE	WP	N 38° 43' 39.26" W 90° 15' 35.58"	2500.0	VNAV	180.0	Fly By	TF
RAMKR	WP	N 38° 43' 37.54" W 90° 11' 36.78"	3122.9	VNAV	180.0	Fly By	TF
TEDDD	WP	N 38° 32' 11.84" W 89° 34' 30.31"	9370.7	VNAV	180.0	Fly By	TF
ENL	WP	N 38° 25' 11.99" W 89° 9' 32.39"	13533.3	VNAV	210.0	Fly By	TF
ZOLLI	WP	N 38° 19' 12.23" W 88° 52' 10.73"	16515.2	VNAV	210.0	Fly By	TF
HILTS	WP	N 38° 7' 45.42" W 88° 19' 30.79"	18000.0	VNAV	240.0	Fly By	TF
IIU	WP	N 38° 6' 12.47" W 85° 34' 38.77"	18000.0	VNAV	240.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL

Climb Gradient: 200 Ft/NM after next to last waypoint up to 18000.0 Ft

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KSTL
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **29000.0 Ft.**
280.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -71.92 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

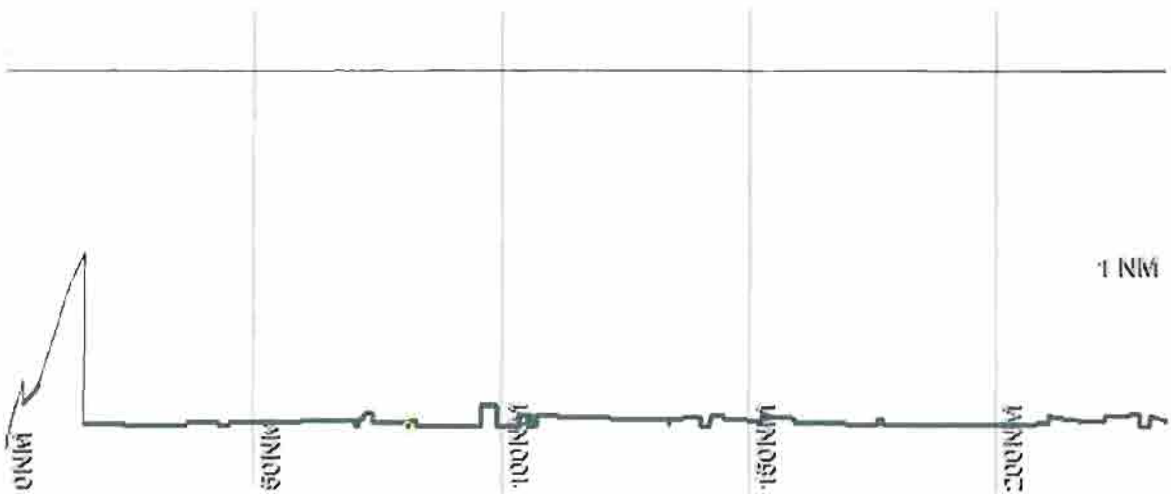
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 2017 Ft.

Total Number of DMEs Used: 18

Maximum DME Error: 0.982 NM.

No Critical DMEs were found.

Available DMEs: STL, FTZ, CSX, TOY, SPI, ENL, FAM, AXC, VNN, PXV, MWA, SAM, TTH, BWG, IIU, FLM, EWO, ABB



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	STL	N 38° 51' 38.48" W 90° 28' 56.52"	H + ESV	User	NO	1.201	Enabled	6.7 %	6.1 %
2	FTZ	N 38° 41' 39.58" W 90° 58' 16.17"	L	Database	NO	1.201	Enabled	2.0 %	1.3 %
3	SPI	N 39° 50' 23.04" W 89° 40' 39.83"	H + ESV	User	NO	1.293	Enabled	4.0 %	4.1 %
4	CSX	N 38° 45' 9.88" W 90° 21' 39.46"	H	Database	NO	0.982	Enabled	8.4 %	8.8 %
5	FAM	N 37° 40' 24.39" W 90° 14' 2.53"	H + ESV	User	NO	0.982	Enabled	7.3 %	7.7 %
6	ENL	N 38° 25' 12.00" W 89° 9' 32.39"	H	Database	NO	0.982	Enabled	14.9 %	15.6 %
7	AXC	N 39° 44' 15.08" W 88° 51' 23.15"	H + ESV	User	NO	0.982	Enabled	14.7 %	15.4 %
8	TOY	N 38° 44' 20.97" W 89° 55' 7.06"	L	Database	NO	0.982	Enabled	0.9 %	0.9 %
9	VNN	N 38° 21' 43.03" W 88° 48' 26.41"	L	Database	NO	0.982	Enabled	18.3 %	19.1 %
10	MWA	N 37° 45' 15.32" W 89° 0' 42.00"	L	Database	NO	0.982	Enabled	9.2 %	9.6 %
11	SAM	N 38° 29' 6.68" W 88° 5' 8.93"	L	Database	NO	0.982	Enabled	3.5 %	3.6 %
12	PXV	N 37° 55' 41.95" W 87° 45' 44.56"	H + ESV	User	NO	0.982	Enabled	21.7 %	22.7 %
13	TTH	N 39° 29' 20.19" W 87° 14' 56.47"	H	Database	NO	0.982	Enabled	18.6 %	19.4 %
14	BWG	N 36° 55' 43.47" W 86° 26' 36.36"	H	Database	NO	0.982	Enabled	23.5 %	24.6 %
15	IIU	N 38° 6' 12.47" W 85° 34' 38.77"	H	Database	NO	0.982	Enabled	13.2 %	13.8 %
16	EWO	N 37° 37' 54.52" W 85° 40' 33.16"	L	Database	NO	0.982	Enabled	8.3 %	8.6 %
17	FLM	N 38° 38' 58.16" W 84° 18' 38.27"	H	Database	NO	0.982	Enabled	6.1 %	6.4 %
18	ABB	N 38° 35' 19.82" W 85° 38' 9.57"	L	Database	NO	0.982	Enabled	1.5 %	1.6 %

Flight Check DME Selection

Distance [NM]	Selected DMEs	Alternate
0.0		
1.8		

DME/DME (Continued.)

Return To Summary

Flight Check DME Selection (Continued.)

Distance [NM]	Selected DMEs					Alternate
2.8	STL	FTZ	CSX			
6.0	STL	FTZ	CSX			
8.9	STL	FTZ	CSX	TOY	SPI	
19.0	ENL	FAM	CSX	TOY	SPI	STL
29.0	ENL	FAM	STL	TOY	AXC	CSX
40.2	ENL	FAM	STL	TOY	AXC	VNN
50.3	ENL	FAM	STL	VNN	AXC	TOY
61.0	SPI	MWA	CSX	VNN	AXC	FAM
78.0	PXV	MWA	CSX	VNN	SAM	AXC
93.5	FAM	MWA	AXC	VNN	SAM	ENL
103.7	ENL	TTH	PXV	VNN	SAM	BWG
140.6	ENL	TTH	PXV	BWG	SAM	IIU
152.4	IIU	TTH	PXV	BWG	FLM	ENL
206.1	IIU	ABB	EWO	BWG	FLM	PXV
220.2	IIU	ABB	EWO	PXV	FLM	BWG

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 38° 45' 11.59" W 90° 22' 39.98"	N 38° 43' 34.33" W 90° 18' 50.18"	3.5
	VOR: CSX	Available from N 38° 45' 11.59" W 90° 22' 39.98" to N 38° 43' 34.33" W 90° 18' 50.18"	
	VOR: FTZ	Available from N 38° 45' 11.59" W 90° 22' 39.98" to N 38° 43' 34.33" W 90° 18' 50.18"	
	VOR: STL	Available from N 38° 45' 11.59" W 90° 22' 39.98" to N 38° 43' 34.33" W 90° 18' 50.18"	
	VOR: TOY	Available from N 38° 45' 11.59" W 90° 22' 39.98" to N 38° 43' 34.33" W 90° 18' 50.18"	
2	N 38° 43' 39.12" W 90° 15' 2.83"	N 38° 41' 13.60" W 90° 3' 44.96"	9.3
	VOR: CSX	Available from N 38° 43' 39.12" W 90° 15' 2.83" to N 38° 41' 13.60" W 90° 3' 44.96"	
	VOR: FTZ	Available from N 38° 43' 39.12" W 90° 15' 2.83" to N 38° 42' 17.47" W 90° 7' 13.91"	
	VOR: STL	Available from N 38° 43' 39.12" W 90° 15' 2.83" to N 38° 41' 13.60" W 90° 3' 44.96"	
	VOR: TOY	Available from N 38° 43' 39.12" W 90° 15' 2.83" to N 38° 41' 13.60" W 90° 3' 44.96"	

DME/DME (Continued.)

Return To Summary

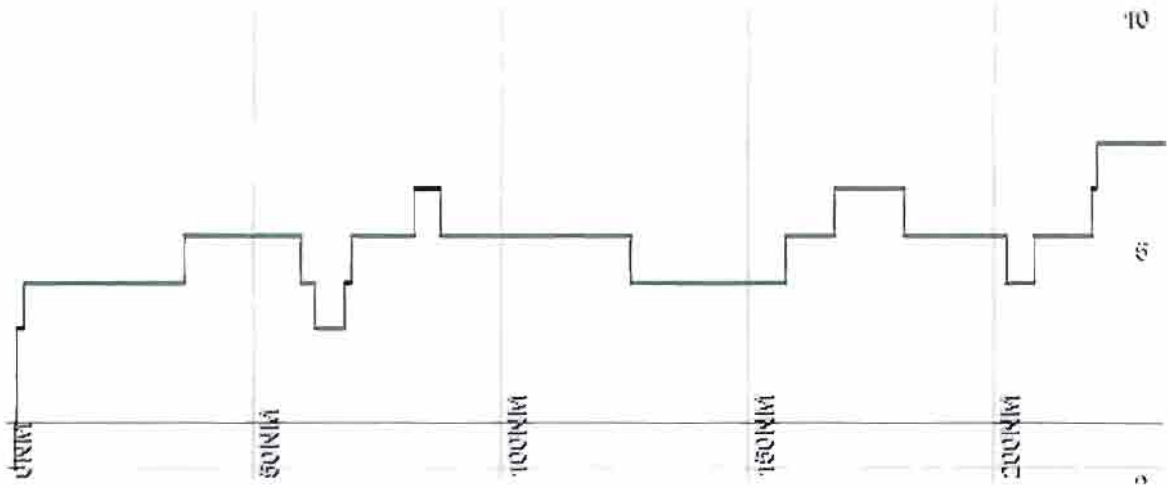
User DMEs

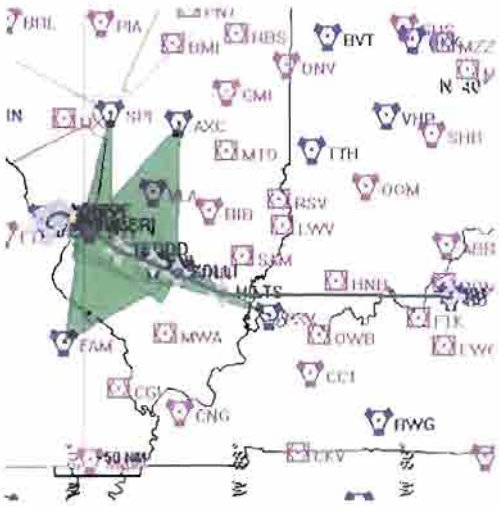
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	PXV	N 37° 55' 41.95" W 87° 45' 44.56"	H	384.3	113.30	PXV	Used
		ESV: Bearing [True]: 288.0° to 300.0° Bearing [Mag]: 285.0° to 297.0°			Arc Distance: Out to 81.0 NM Altitude: 10000.0 to 17000.0 Ft.		
2	FAM	N 37° 40' 24.39" W 90° 14' 2.53"	H	1220.0	115.70	FAM	Used
		ESV: Bearing [True]: 8.0° to 60.0° Bearing [Mag]: 7.0° to 59.0°			Arc Distance: Out to 80.0 NM Altitude: 6000.0 to 17000.0 Ft.		
3	STL	N 38° 51' 38.48" W 90° 28' 56.52"	H	449.5	117.40	STL	Used
		ESV: Bearing [True]: 108.0° to 126.0° Bearing [Mag]: 107.0° to 125.0°			Arc Distance: Out to 82.0 NM Altitude: 6000.0 to 17000.0 Ft.		
4	AXC	N 39° 44' 15.08" W 88° 51' 23.15"	H	707.5	117.20	AXC	Used
		ESV: Bearing [True]: 181.0° to 222.0° Bearing [Mag]: 178.0° to 219.0°			Arc Distance: Out to 91.0 NM Altitude: 6000.0 to 17000.0 Ft.		
5	SPI	N 39° 50' 23.04" W 89° 40' 39.83"	H	586.3	112.70	SPI	Used
		Restriction: Bearing [True]: 24.0° to 44.0° Bearing [Mag]: 25.0° to 45.0°			Distance: Beyond 15.0 NM Altitude: Below 3000.0 Ft.		
		Restriction: Bearing [True]: 189.0° to 243.0° Bearing [Mag]: 190.0° to 244.0°			Distance: Beyond 15.0 NM Altitude: Below 4000.0 Ft.		
		Restriction: Bearing [True]: 244.0° to 299.0° Bearing [Mag]: 245.0° to 300.0°			Distance: Beyond 10.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 180.0° to 195.0° Bearing [Mag]: 181.0° to 196.0°			Arc Distance: Out to 85.0 NM Altitude: 4000.0 to 15000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





Name:	enanders
Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	2/21/2012 6:39:29 PM
Input File:	TEDDD RW29 IIU 20120...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔	**Please Check Flyability Results**
DME/DME	✔	
Radars	✔	
Comms		
TERPS		

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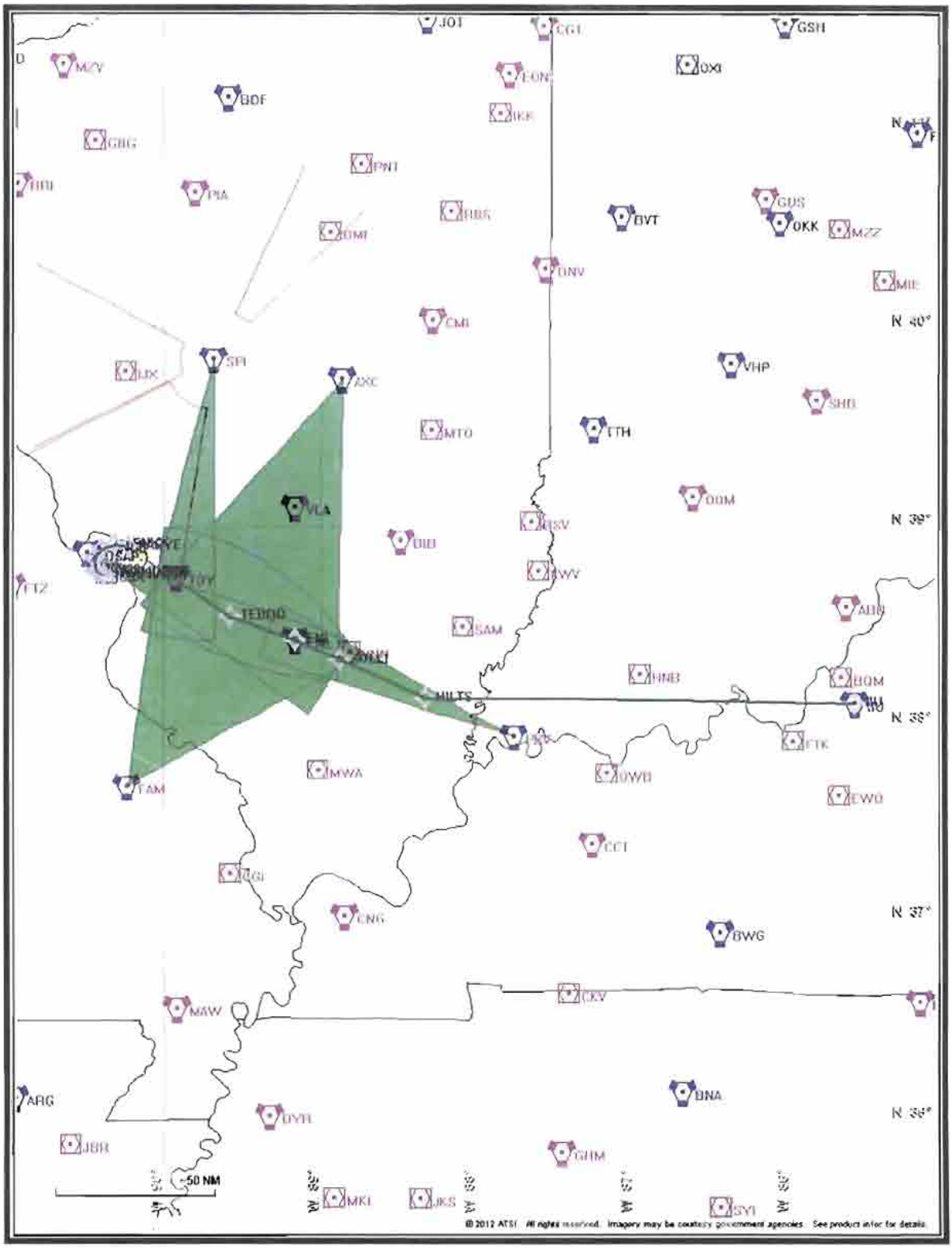
JOT
CGI
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MCV
BDF
OXI
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PNT
PIA
BVT
GUS
OKK
MZZ
DNV
MIE
CMI
N 40°
SPI
VHP
SHB
MTO
TTH
DOM
VLA
N 39°
DIB
FTZ
TEDDD
SAM
HNB
BQM
HILTS
N 38°
FTK
MWA
EWO
CCT
CNG
N 37°
BWG
MAW
ARG
BNA
DYR
N 36°
JBR
GHM
50 NM
MKL
JKS
SYI
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW29(A	WP	N 38° 44' 48.46" W 90° 22' 59.39"	556.0	VNAV	0.0	Fly Over	TF
RW11(D	WP	N 38° 45' 35.83" W 90° 24' 35.55"	653.0	VNAV	130.0	Fly Over	VA
GH29	WP	N 38° 46' 7.93" W 90° 25' 40.75"	1120.0	VNAV	145.0	Fly Over	DF
DSAPP	WP	N 38° 50' 1.06" W 90° 26' 38.98"	2500.0	VNAV	180.0	Fly By	TF
ANNII	WP	N 38° 52' 52.69" W 90° 23' 22.37"	3267.3	VNAV	180.0	Fly By	TF
LENXX	WP	N 38° 54' 4.00" W 90° 18' 46.99"	4022.3	VNAV	180.0	Fly By	TF
KAEYE	WP	N 38° 53' 23.93" W 90° 13' 43.89"	4822.3	VNAV	180.0	Fly By	TF
TEDDD	WP	N 38° 32' 11.84" W 89° 34' 30.31"	12282.2	VNAV	210.0	Fly By	TF
ENL	WP	N 38° 25' 11.99" W 89° 9' 32.39"	16444.9	VNAV	210.0	Fly By	TF
ZOLLI	WP	N 38° 19' 12.23" W 88° 52' 10.73"	18000.0	VNAV	240.0	Fly By	TF
HILTS	WP	N 38° 7' 45.42" W 88° 19' 30.79"	18000.0	VNAV	240.0	Fly By	TF
IIU	WP	N 38° 6' 12.47" W 85° 34' 38.77"	18000.0	VNAV	240.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL

Climb Gradient: 200 Ft/NM after next to last waypoint up to 18000.0 Ft

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KSTL
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table
200.0 Kts up to **29000.0 Ft.**
280.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Required IAS at Fly-By WP LENXX could not be reached with given A/C acceleration performance

Flight Track comes into contact with terrain. Minimum AGL along route was -47.99 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

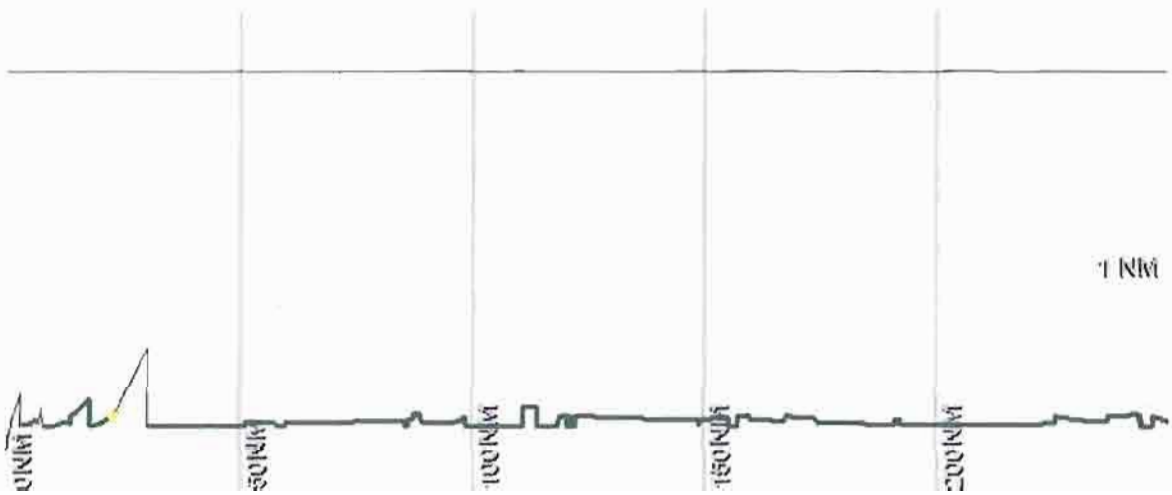
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1661 Ft.

Total Number of DMEs Used: 18

Maximum DME Error: 0.606 NM.

No Critical DMEs were found.

Available DMEs: STL, FTZ, TOY, CSX, SPI, FAM, AXC, ENL, VNN, PXV, MWA, SAM, TTH, BWG, IIU, FLM, EWO, ABB



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	STL	N 38° 51' 38.48" W 90° 28' 56.52"	H + ESV	User	NO	0.628	Enabled	13.9 %	13.0 %
2	FTZ	N 38° 41' 39.58" W 90° 58' 16.17"	L	Database	NO	0.734	Enabled	3.6 %	2.3 %
3	CSX	N 38° 45' 9.88" W 90° 21' 39.46"	H	Database	NO	0.846	Enabled	12.0 %	10.9 %
4	TOY	N 38° 44' 20.97" W 89° 55' 7.06"	L	Database	NO	0.833	Enabled	3.7 %	3.7 %
5	SPI	N 39° 50' 23.04" W 89° 40' 39.83"	H + ESV	User	NO	0.635	Enabled	2.4 %	2.5 %
6	FAM	N 37° 40' 24.39" W 90° 14' 2.53"	H + ESV	User	NO	0.606	Enabled	8.4 %	8.8 %
7	ENL	N 38° 25' 12.00" W 89° 9' 32.39"	H	Database	NO	0.606	Enabled	14.4 %	15.0 %
8	AXC	N 39° 44' 15.08" W 88° 51' 23.15"	H + ESV	User	NO	0.606	Enabled	13.9 %	14.5 %
9	VNN	N 38° 21' 43.03" W 88° 48' 26.41"	L	Database	NO	0.606	Enabled	17.0 %	17.7 %
10	MWA	N 37° 45' 15.32" W 89° 0' 42.00"	L	Database	NO	1.035	Enabled	8.7 %	9.1 %
11	SAM	N 38° 29' 6.68" W 88° 5' 8.93"	L	Database	NO	0.606	Enabled	3.1 %	3.3 %
12	PXV	N 37° 55' 41.95" W 87° 45' 44.56"	H + ESV	User	NO	0.606	Enabled	20.2 %	21.0 %
13	TTH	N 39° 29' 20.19" W 87° 14' 56.47"	H	Database	NO	0.606	Enabled	17.6 %	18.3 %
14	BWG	N 36° 55' 43.47" W 86° 26' 36.36"	H	Database	NO	0.606	Enabled	22.2 %	23.1 %
15	IIU	N 38° 6' 12.47" W 85° 34' 38.77"	H	Database	NO	0.606	Enabled	12.5 %	13.0 %
16	EWO	N 37° 37' 54.52" W 85° 40' 33.16"	L	Database	NO	0.606	Enabled	7.8 %	8.1 %
17	FLM	N 38° 38' 58.16" W 84° 18' 38.27"	H	Database	NO	0.606	Enabled	5.7 %	6.0 %
18	ABB	N 38° 35' 19.82" W 85° 38' 9.57"	L	Database	NO	0.606	Enabled	1.5 %	1.5 %

Flight Check DME Selection

Distance [NM]	Selected DMEs	Alternate
0.0		
1.5	STL	

DME/DME (Continued.)

Return To Summary

Flight Check DME Selection (Continued.)

Distance [NM]	Selected DMEs					Alternate
2.5	STL	FTZ	CSX	TOY		
6.2	STL	FTZ	CSX	TOY		
10.1	STL	FTZ	CSX	TOY		
13.5	STL	FTZ	CSX	TOY		
17.5	STL	FTZ	CSX	TOY		
27.5	STL	SPI	CSX	FAM	AXC	ENL
37.6	STL	ENL	CSX	FAM	AXC	TOY
54.9	STL	ENL	TOY	FAM	AXC	VNN
65.4	STL	ENL	VNN	FAM	AXC	SPI
76.0	SPI	CSX	VNN	MWA	AXC	FAM
91.0	PXV	CSX	VNN	MWA	STL	FAM
108.5	SAM	AXC	VNN	MWA	FAM	ENL
118.7	SAM	TTH	VNN	PXV	ENL	BWG
155.6	SAM	TTH	BWG	PXV	ENL	IIU
167.4	IIU	TTH	BWG	PXV	FLM	ENL
221.1	IIU	EWO	BWG	ABB	FLM	PXV
235.2	IIU	EWO	PXV	ABB	FLM	BWG

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 38° 44' 48.46" W 90° 22' 59.39"	N 38° 46' 23.72" W 90° 26' 0.03"	2.9
	VOR: CSX	Available from N 38° 44' 48.46" W 90° 22' 59.39" to N 38° 46' 23.72" W 90° 26' 0.03"	
	VOR: FTZ	Available from N 38° 44' 48.46" W 90° 22' 59.39" to N 38° 46' 23.72" W 90° 26' 0.03"	
	VOR: STL	Available from N 38° 44' 48.46" W 90° 22' 59.39" to N 38° 46' 23.72" W 90° 26' 0.03"	
	VOR: TOY	Available from N 38° 44' 48.46" W 90° 22' 59.39" to N 38° 46' 23.72" W 90° 26' 0.03"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 38° 50' 7.01" W 90° 26' 31.24"	N 38° 50' 49.20" W 90° 25' 44.13"	0.9
	VOR: CSX	Available from N 38° 50' 7.01" W 90° 26' 31.24" to N 38° 50' 49.20" W 90° 25' 44.13"	
	VOR: FTZ	Available from N 38° 50' 7.01" W 90° 26' 31.24" to N 38° 50' 49.20" W 90° 25' 44.13"	
	VOR: STL	Available from N 38° 50' 7.01" W 90° 26' 31.24" to N 38° 50' 49.20" W 90° 25' 44.13"	
	VOR: TOY	Available from N 38° 50' 7.01" W 90° 26' 31.24" to N 38° 50' 49.20" W 90° 25' 44.13"	
3	N 38° 50' 13.54" W 90° 7' 48.20"	N 38° 46' 26.75" W 90° 0' 46.50"	6.7
	VOR: CSX	Available from N 38° 50' 13.54" W 90° 7' 48.20" to N 38° 46' 26.75" W 90° 0' 46.50"	
	VOR: STL	Available from N 38° 50' 13.54" W 90° 7' 48.20" to N 38° 46' 26.75" W 90° 0' 46.50"	
	VOR: TOY	Available from N 38° 50' 13.54" W 90° 7' 48.20" to N 38° 46' 26.75" W 90° 0' 46.50"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	PXV	N 37° 55' 41.95" W 87° 45' 44.56"	H	384.3	113.30	PXV	Used
		ESV: Bearing [True]: 288.0° to 300.0° Bearing [Mag]: 285.0° to 297.0°			Arc Distance: Out to 81.0 NM Altitude: 10000.0 to 17000.0 Ft.		
2	FAM	N 37° 40' 24.39" W 90° 14' 2.53"	H	1220.0	115.70	FAM	Used
		ESV: Bearing [True]: 8.0° to 60.0° Bearing [Mag]: 7.0° to 59.0°			Arc Distance: Out to 80.0 NM Altitude: 6000.0 to 17000.0 Ft.		
3	STL	N 38° 51' 38.48" W 90° 28' 56.52"	H	449.5	117.40	STL	Used
		ESV: Bearing [True]: 108.0° to 126.0° Bearing [Mag]: 107.0° to 125.0°			Arc Distance: Out to 82.0 NM Altitude: 6000.0 to 17000.0 Ft.		
4	AXC	N 39° 44' 15.08" W 88° 51' 23.15"	H	707.5	117.20	AXC	Used
		ESV: Bearing [True]: 181.0° to 222.0° Bearing [Mag]: 178.0° to 219.0°			Arc Distance: Out to 91.0 NM Altitude: 6000.0 to 17000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

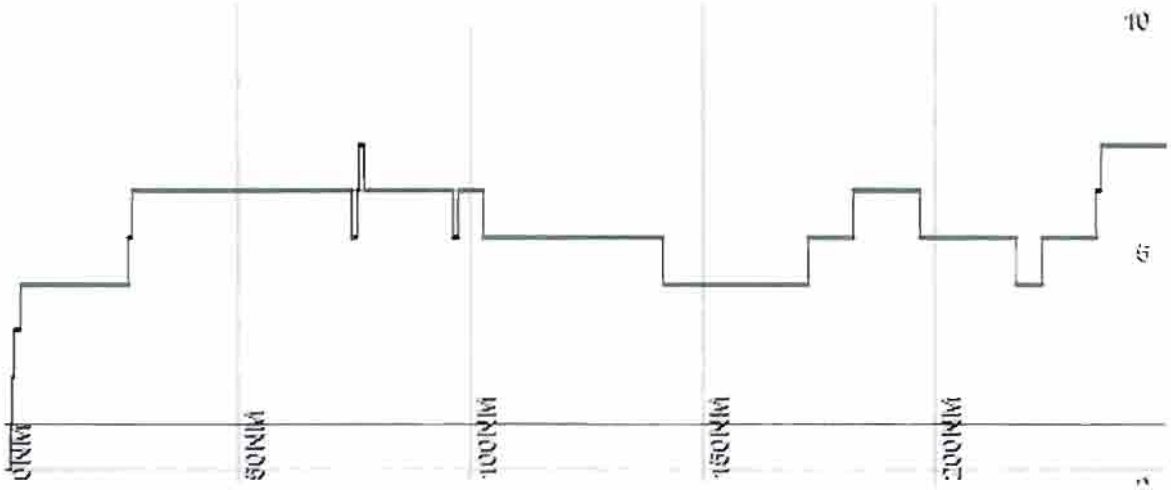
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
5	SPI	N 39° 50' 23.04" W 89° 40' 39.83"	H	586.3	112.70	SPI	Used

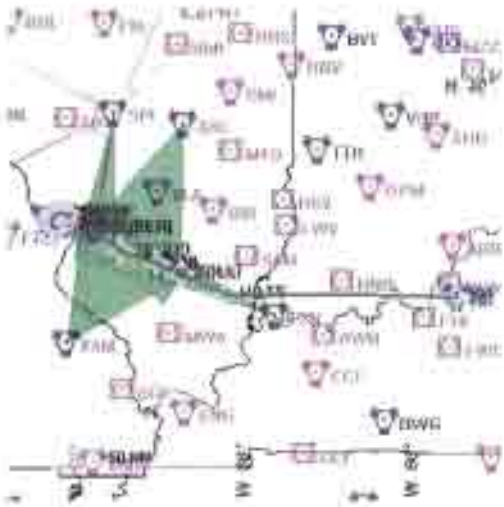
Restriction:	Bearing [True]: 24.0° to 44.0° Bearing [Mag]: 25.0° to 45.0°	Distance: Beyond 15.0 NM Altitude: Below 3000.0 Ft.
Restriction:	Bearing [True]: 189.0° to 243.0° Bearing [Mag]: 190.0° to 244.0°	Distance: Beyond 15.0 NM Altitude: Below 4000.0 Ft.
Restriction:	Bearing [True]: 244.0° to 299.0° Bearing [Mag]: 245.0° to 300.0°	Distance: Beyond 10.0 NM Altitude: Below 99999.0 Ft.
ESV:	Bearing [True]: 180.0° to 195.0° Bearing [Mag]: 181.0° to 196.0°	Arc Distance: Out to 85.0 NM Altitude: 4000.0 to 15000.0 Ft.

Radar Analysis

Return To Summary

Settings: **Radar Types**: ARSR and ASR





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Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	2/21/2012 7:08:11 PM
Input File:	TEDDD RW30L IIU 2012...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔ **Please Check Flyability Results**
DME/DME	✔
Radars	✔
Comms	
TERPS	

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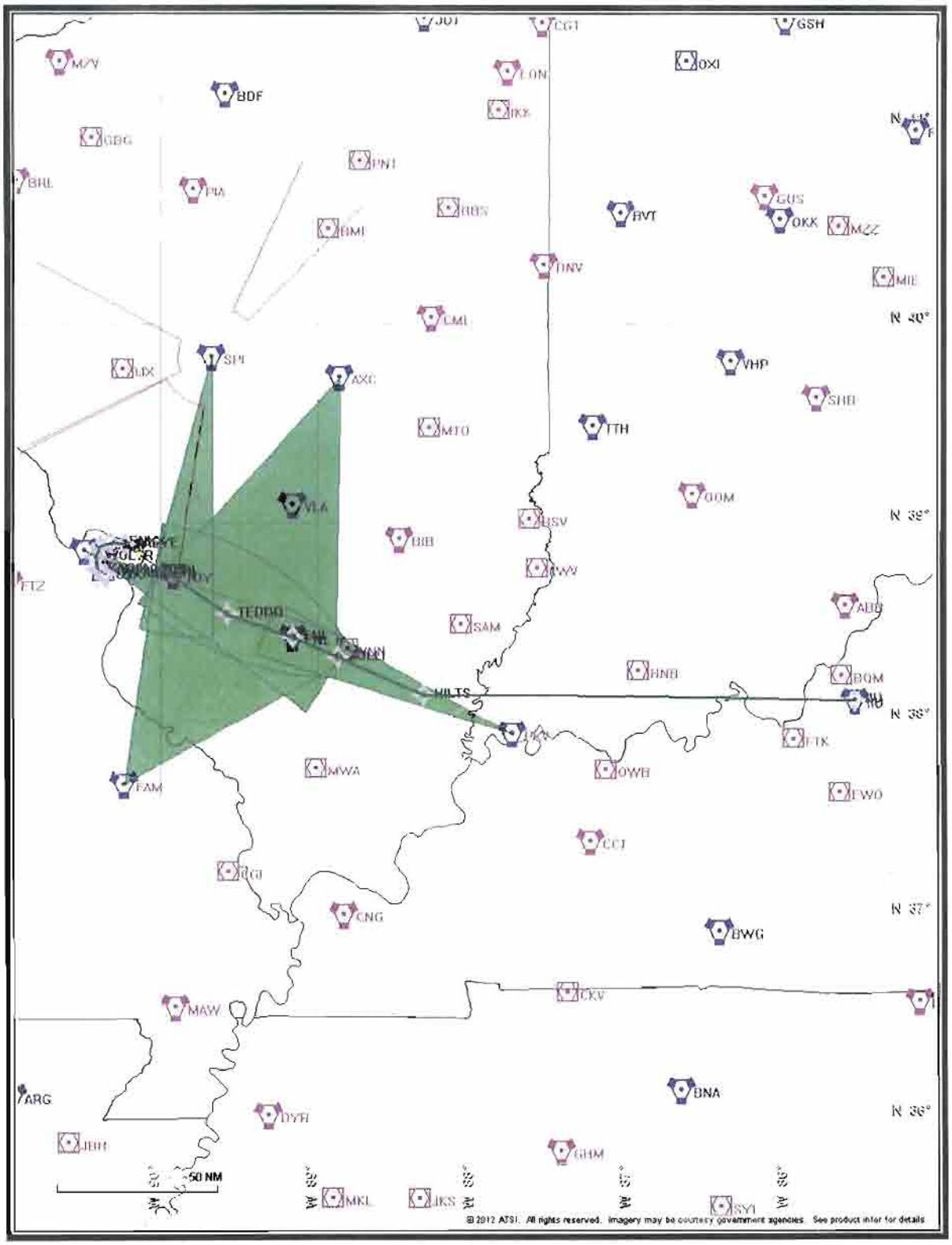
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BNA
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DYR
JBR
GHM
50 NM
MKL
JKS
SYI
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW30L(...	WP	N 38° 44' 17.08" W 90° 20' 49.42"	585.8	VNAV	0.0	Fly Over	TF
RW12R(...	WP	N 38° 45' 14.05" W 90° 22' 44.97"	576.6	VNAV	130.0	Fly Over	VA
GH30L	WP	N 38° 45' 51.05" W 90° 24' 0.07"	1120.0	VNAV	145.0	Fly Over	DF
WOLTR	WP	N 38° 49' 41.32" W 90° 25' 3.02"	2500.0	VNAV	180.0	Fly By	TF
ANNII	WP	N 38° 52' 52.69" W 90° 23' 22.37"	3189.1	VNAV	180.0	Fly By	TF
LENXX	WP	N 38° 54' 4.00" W 90° 18' 46.99"	3944.1	VNAV	180.0	Fly By	TF
KAEYE	WP	N 38° 53' 23.93" W 90° 13' 43.89"	4744.1	VNAV	180.0	Fly By	TF
TEDDD	WP	N 38° 32' 11.84" W 89° 34' 30.31"	12204.0	VNAV	210.0	Fly By	TF
ENL	WP	N 38° 25' 11.99" W 89° 9' 32.39"	16366.7	VNAV	210.0	Fly By	TF
ZOLLI	WP	N 38° 19' 12.23" W 88° 52' 10.73"	18000.0	VNAV	240.0	Fly By	TF
HILTS	WP	N 38° 7' 45.42" W 88° 19' 30.79"	18000.0	VNAV	240.0	Fly By	TF
IIU	WP	N 38° 6' 12.47" W 85° 34' 38.77"	18000.0	VNAV	240.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL

Climb Gradient: 200 Ft/NM after next to last waypoint up to 18000.0 Ft

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KSTL
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **29000.0 Ft.**
280.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Required IAS at Fly-By WP LENXX could not be reached with given A/C acceleration performance.

Flight Track comes into contact with terrain. Minimum AGL along route was -31.97 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

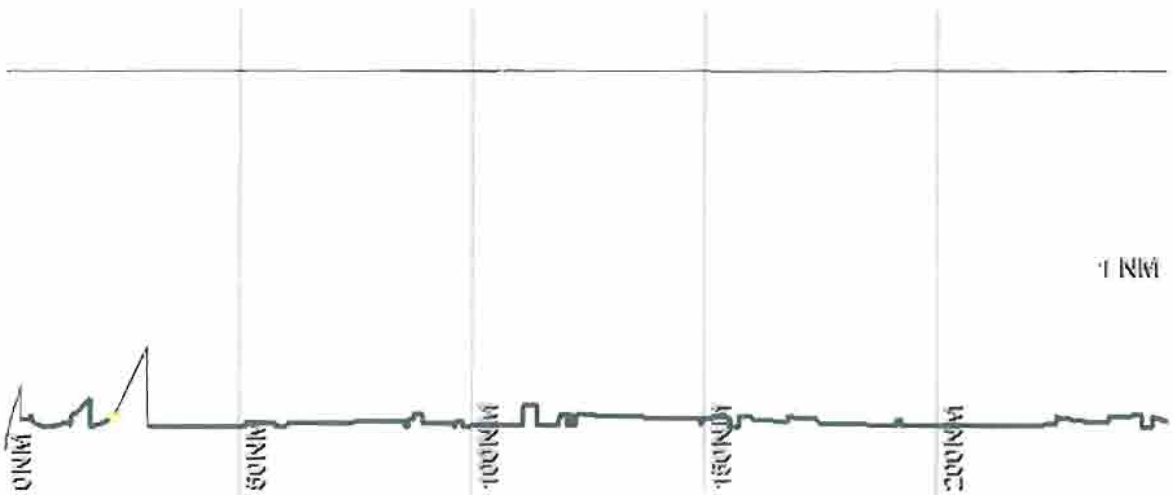
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1662 Ft.

Total Number of DMEs Used: 18

Maximum DME Error: 0.607 NM.

No Critical DMEs were found.

Available DMEs: STL, FTZ, TOY, CSX, SPI, FAM, AXC, ENL, VNN, PXV, MWA, SAM, TTH, BWG, IIU, FLM, EWO, ABB



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	STL	N 38° 51' 38.48" W 90° 28' 56.52"	H + ESV	User	NO	0.630	Enabled	12.7 %	12.1 %
2	FTZ	N 38° 41' 39.58" W 90° 58' 16.17"	L	Database	NO	0.607	Enabled	4.4 %	2.8 %
3	CSX	N 38° 45' 9.88" W 90° 21' 39.46"	H	Database	NO	0.846	Enabled	12.9 %	11.4 %
4	TOY	N 38° 44' 20.97" W 89° 55' 7.06"	L	Database	NO	0.835	Enabled	3.7 %	3.7 %
5	SPI	N 39° 50' 23.04" W 89° 40' 39.83"	H + ESV	User	NO	0.636	Enabled	2.4 %	2.5 %
6	FAM	N 37° 40' 24.39" W 90° 14' 2.53"	H + ESV	User	NO	0.607	Enabled	8.4 %	8.8 %
7	ENL	N 38° 25' 12.00" W 89° 9' 32.39"	H	Database	NO	0.607	Enabled	14.3 %	14.9 %
8	AXC	N 39° 44' 15.08" W 88° 51' 23.15"	H + ESV	User	NO	0.607	Enabled	13.8 %	14.4 %
9	VNN	N 38° 21' 43.03" W 88° 48' 26.41"	L	Database	NO	0.607	Enabled	17.1 %	17.9 %
10	MWA	N 37° 45' 15.32" W 89° 0' 42.00"	L	Database	NO	0.607	Enabled	8.6 %	9.0 %
11	SAM	N 38° 29' 6.68" W 88° 5' 8.93"	L	Database	NO	0.607	Enabled	3.3 %	3.4 %
12	PXV	N 37° 55' 41.95" W 87° 45' 44.56"	H + ESV	User	NO	0.607	Enabled	20.5 %	21.3 %
13	TTH	N 39° 29' 20.19" W 87° 14' 56.47"	H	Database	NO	0.607	Enabled	17.5 %	18.2 %
14	BWG	N 36° 55' 43.47" W 86° 26' 36.36"	H	Database	NO	0.607	Enabled	22.2 %	23.1 %
15	IIU	N 38° 6' 12.47" W 85° 34' 38.77"	H	Database	NO	0.607	Enabled	12.5 %	13.0 %
16	EWO	N 37° 37' 54.52" W 85° 40' 33.16"	L	Database	NO	0.607	Enabled	7.8 %	8.1 %
17	FLM	N 38° 38' 58.16" W 84° 18' 38.27"	H	Database	NO	0.607	Enabled	5.7 %	6.0 %
18	ABB	N 38° 35' 19.82" W 85° 38' 9.57"	L	Database	NO	0.607	Enabled	1.4 %	1.5 %

Flight Check DME Selection

Distance [NM]	Selected DMEs	Alternate
0.0		
1.8		

DME/DME (Continued.)

Return To Summary

Flight Check DME Selection (Continued.)

Distance [NM]	Selected DMEs					Alternate
2.9	STL	FTZ	CSX	TOY		
6.7	TOY	FTZ	CSX			
10.0	TOY	FTZ	CSX	STL		
13.5	TOY	FTZ	CSX	STL		
17.5	TOY	FTZ	CSX	STL		
27.6	SPI	FAM	CSX	STL	AXC	ENL
37.6	ENL	FAM	CSX	STL	AXC	TOY
54.9	ENL	FAM	TOY	STL	AXC	VNN
65.4	ENL	FAM	VNN	STL	AXC	SPI
76.0	SPI	CSX	VNN	MWA	AXC	FAM
91.1	PXV	CSX	VNN	MWA	SAM	AXC
108.5	FAM	AXC	VNN	MWA	SAM	ENL
118.7	ENL	TTH	VNN	PXV	SAM	BWG
155.6	ENL	TTH	BWG	PXV	SAM	IIU
167.5	IIU	TTH	BWG	PXV	FLM	ENL
221.1	IIU	EWO	BWG	ABB	FLM	PXV
235.2	IIU	EWO	PXV	ABB	FLM	BWG

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 38° 44' 17.08" W 90° 20' 49.42"	N 38° 46' 5.15" W 90° 24' 16.02"	3.3
	VOR: CSX	Available from N 38° 44' 17.08" W 90° 20' 49.42" to N 38° 46' 5.15" W 90° 24' 16.02"	
	VOR: FTZ	Available from N 38° 44' 17.08" W 90° 20' 49.42" to N 38° 46' 5.15" W 90° 24' 16.02"	
	VOR: STL	Available from N 38° 44' 17.08" W 90° 20' 49.42" to N 38° 46' 5.15" W 90° 24' 16.02"	
	VOR: TOY	Available from N 38° 44' 17.08" W 90° 20' 49.42" to N 38° 46' 5.15" W 90° 24' 16.02"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 38° 50' 12.89" W 90° 7' 46.99"	N 38° 46' 26.09" W 90° 0' 45.29"	6.7
	VOR: CSX	Available from N 38° 50' 12.89" W 90° 7' 46.99" to N 38° 46' 26.09" W 90° 0' 45.29"	
	VOR: STL	Available from N 38° 50' 12.89" W 90° 7' 46.99" to N 38° 46' 26.09" W 90° 0' 45.29"	
	VOR: TOY	Available from N 38° 50' 12.89" W 90° 7' 46.99" to N 38° 46' 26.09" W 90° 0' 45.29"	

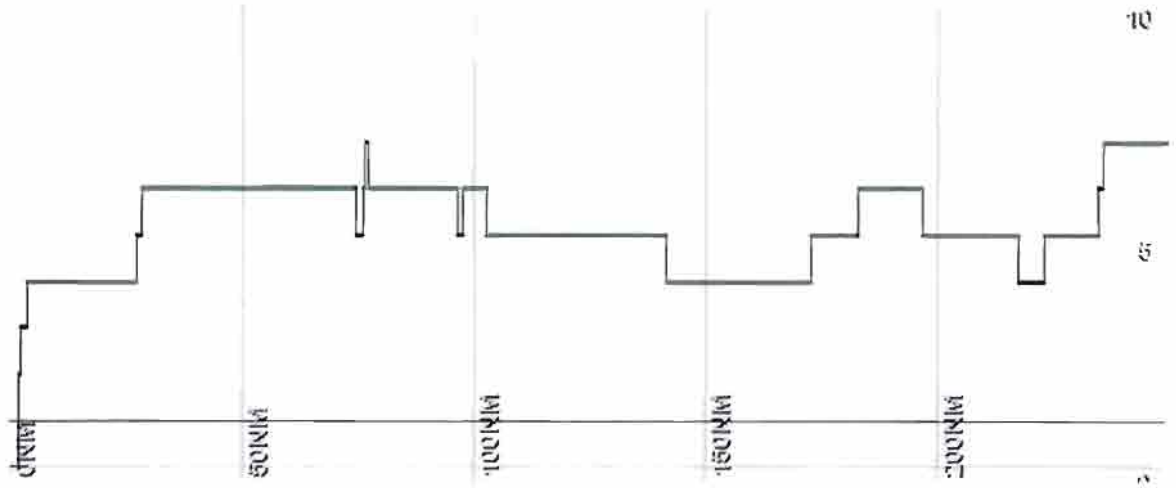
User DMEs

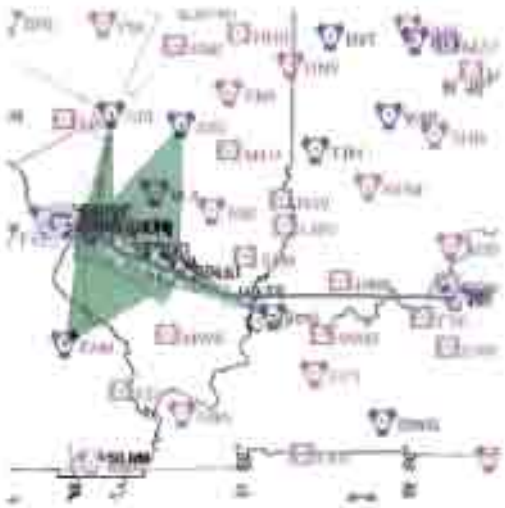
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	PXV	N 37° 55' 41.95" W 87° 45' 44.56"	H	384.3	113.30	PXV	Used
		ESV: Bearing [True]: 288.0° to 300.0° Bearing [Mag]: 285.0° to 297.0°			Arc Distance: Out to 81.0 NM Altitude: 10000.0 to 17000.0 Ft.		
2	FAM	N 37° 40' 24.39" W 90° 14' 2.53"	H	1220.0	115.70	FAM	Used
		ESV: Bearing [True]: 8.0° to 60.0° Bearing [Mag]: 7.0° to 59.0°			Arc Distance: Out to 80.0 NM Altitude: 6000.0 to 17000.0 Ft.		
3	STL	N 38° 51' 38.48" W 90° 28' 56.52"	H	449.5	117.40	STL	Used
		ESV: Bearing [True]: 108.0° to 126.0° Bearing [Mag]: 107.0° to 125.0°			Arc Distance: Out to 82.0 NM Altitude: 6000.0 to 17000.0 Ft.		
4	AXC	N 39° 44' 15.08" W 88° 51' 23.15"	H	707.5	117.20	AXC	Used
		ESV: Bearing [True]: 181.0° to 222.0° Bearing [Mag]: 178.0° to 219.0°			Arc Distance: Out to 91.0 NM Altitude: 6000.0 to 17000.0 Ft.		
5	SPI	N 39° 50' 23.04" W 89° 40' 39.83"	H	586.3	112.70	SPI	Used
		Restriction: Bearing [True]: 24.0° to 44.0° Bearing [Mag]: 25.0° to 45.0°			Distance: Beyond 15.0 NM Altitude: Below 3000.0 Ft.		
		Restriction: Bearing [True]: 189.0° to 243.0° Bearing [Mag]: 190.0° to 244.0°			Distance: Beyond 15.0 NM Altitude: Below 4000.0 Ft.		
		Restriction: Bearing [True]: 244.0° to 299.0° Bearing [Mag]: 245.0° to 300.0°			Distance: Beyond 10.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 180.0° to 195.0° Bearing [Mag]: 181.0° to 196.0°			Arc Distance: Out to 85.0 NM Altitude: 4000.0 to 15000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Project Name:	
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	2/21/2012 7:35:21 PM
Input File:	TEDDD RW30R IIU 2012..
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✔	**Please Check Flyability Results**
DME/DME	✔	
Radars	✔	
Comms		
TERPS		

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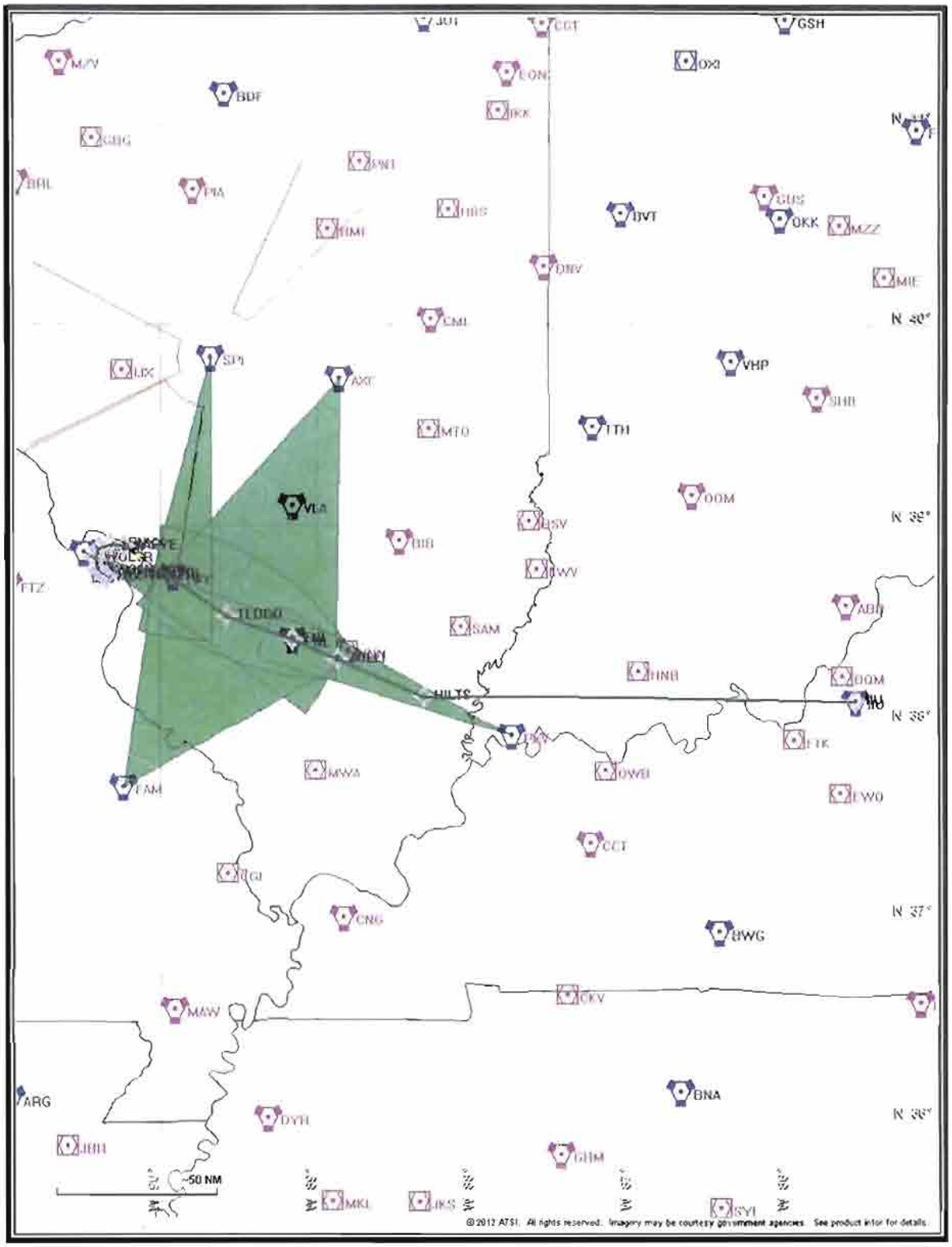
GSH
BDF
BVT
OKK
VHP
SPI
AXT
VLA
TTH
TEDDD
HILTS
FAM
CCT
BWG
BNA
ARG
~50 NM
N 40°
N 39°
N 38°
N 37°
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW30R(...	WP	N 38° 44' 18.99" W 90° 20' 22.51"	604.5	VNAV	0.0	Fly Over	TF
RW12L(...	WP	N 38° 45' 6.41" W 90° 21' 58.66"	563.3	VNAV	130.0	Fly Over	VA
GH30R	WP	N 38° 45' 44.26" W 90° 23' 15.48"	1120.0	VNAV	145.0	Fly Over	DF
WOLTR	WP	N 38° 49' 41.32" W 90° 25' 3.02"	2500.0	VNAV	180.0	Fly By	TF
ANNII	WP	N 38° 52' 52.69" W 90° 23' 22.37"	3189.1	VNAV	180.0	Fly By	TF
LENXX	WP	N 38° 54' 4.00" W 90° 18' 46.99"	3944.1	VNAV	180.0	Fly By	TF
KAEYE	WP	N 38° 53' 23.93" W 90° 13' 43.89"	4744.1	VNAV	180.0	Fly By	TF
TEDDD	WP	N 38° 32' 11.84" W 89° 34' 30.31"	12204.0	VNAV	210.0	Fly By	TF
ENL	WP	N 38° 25' 11.99" W 89° 9' 32.39"	16366.7	VNAV	210.0	Fly By	TF
ZOLLI	WP	N 38° 19' 12.23" W 88° 52' 10.73"	18000.0	VNAV	240.0	Fly By	TF
HILTS	WP	N 38° 7' 45.42" W 88° 19' 30.79"	18000.0	VNAV	240.0	Fly By	TF
IIU	WP	N 38° 6' 12.47" W 85° 34' 38.77"	18000.0	VNAV	240.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL

Climb Gradient: 200 Ft/NM after next to last waypoint up to 18000.0 Ft

Flyability

Return To Summary

Settings:

Flight Type: Departure
Selected Airport: KSTL
Aircraft Category: Cat D
Climb Gradient: 500.0 Ft/NM up to 1120.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **29000.0 Ft.**
280.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Required IAS at Fly-By WP LENXX could not be reached with given A/C acceleration performance.

Flight Track comes into contact with terrain. Minimum AGL along route was -19.95 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

Return To Summary

Settings:

RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.165 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated
Minimum MSL DMEs Avail: 1773 Ft

Total Number of DMEs Used: 18

Maximum DME Error: 0.605 NM.

No Critical DMEs were found.

Available DMEs: STL, FTZ, TOY, CSX, SPI, FAM, AXC, ENL, VNN, PXV, MWA, SAM, TTH, BWG, IIU, FLM, EWO, ABB

DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	STL	N 38° 51' 38.48" W 90° 28' 56.52"	H + ESV	User	NO	0.628	Enabled	12.9 %	12.2 %
2	FTZ	N 38° 41' 39.58" W 90° 58' 16.17"	L	Database	NO	0.605	Enabled	4.5 %	2.8 %
3	CSX	N 38° 45' 9.88" W 90° 21' 39.46"	H	Database	NO	0.846	Enabled	12.7 %	11.4 %
4	TOY	N 38° 44' 20.97" W 89° 55' 7.06"	L	Database	NO	0.833	Enabled	3.7 %	3.7 %
5	SPI	N 39° 50' 23.04" W 89° 40' 39.83"	H + ESV	User	NO	0.636	Enabled	2.4 %	2.5 %
6	FAM	N 37° 40' 24.39" W 90° 14' 2.53"	H + ESV	User	NO	0.605	Enabled	8.4 %	8.7 %
7	ENL	N 38° 25' 12.00" W 89° 9' 32.39"	H	Database	NO	0.605	Enabled	14.4 %	14.9 %
8	AXC	N 39° 44' 15.08" W 88° 51' 23.15"	H + ESV	User	NO	0.605	Enabled	13.9 %	14.4 %
9	VNN	N 38° 21' 43.03" W 88° 48' 26.41"	L	Database	NO	0.605	Enabled	17.1 %	17.8 %
10	MWA	N 37° 45' 15.32" W 89° 0' 42.00"	L	Database	NO	0.605	Enabled	8.7 %	9.0 %
11	SAM	N 38° 29' 6.68" W 88° 5' 8.93"	L	Database	NO	0.605	Enabled	3.2 %	3.4 %
12	PXV	N 37° 55' 41.95" W 87° 45' 44.56"	H + ESV	User	NO	0.605	Enabled	20.5 %	21.3 %
13	TTH	N 39° 29' 20.19" W 87° 14' 56.47"	H	Database	NO	0.605	Enabled	17.5 %	18.2 %
14	BWG	N 36° 55' 43.47" W 86° 26' 36.36"	H	Database	NO	0.605	Enabled	22.2 %	23.1 %
15	IIU	N 38° 6' 12.47" W 85° 34' 38.77"	H	Database	NO	0.605	Enabled	12.4 %	12.9 %
16	EWO	N 37° 37' 54.52" W 85° 40' 33.16"	L	Database	NO	0.605	Enabled	7.8 %	8.1 %
17	FLM	N 38° 38' 58.16" W 84° 18' 38.27"	H	Database	NO	0.605	Enabled	5.7 %	6.0 %
18	ABB	N 38° 35' 19.82" W 85° 38' 9.57"	L	Database	NO	0.605	Enabled	1.4 %	1.5 %

Flight Check DME Selection

Distance [NM]	Selected DMEs	Alternate
0.0		
1.5		

DME/DME (Continued.)

Return To Summary

Flight Check DME Selection (Continued.)

Distance [NM]	Selected DMEs					Alternate
2.6	STL	FTZ	CSX	TOY		
6.6	STL	FTZ	CSX	TOY		
10.0	STL	FTZ	CSX	TOY		
13.5	STL	FTZ	CSX	TOY		
17.5	STL	FTZ	CSX	TOY		
27.5	STL	SPI	CSX	FAM	AXC	ENL
37.6	STL	ENL	CSX	FAM	AXC	TOY
54.9	STL	ENL	TOY	FAM	AXC	VNN
65.4	STL	ENL	VNN	FAM	AXC	SPI
75.9	SPI	CSX	VNN	MWA	AXC	FAM
91.0	PXV	CSX	VNN	MWA	SAM	AXC
108.5	FAM	AXC	VNN	MWA	SAM	ENL
118.7	ENL	TTH	VNN	PXV	SAM	BWG
155.5	ENL	TTH	BWG	PXV	SAM	IIU
167.4	IIU	TTH	BWG	PXV	FLM	ENL
221.1	IIU	EWO	BWG	ABB	FLM	PXV
235.2	IIU	EWO	PXV	ABB	FLM	BWG

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 38° 44' 18.99" W 90° 20' 22.51"	N 38° 46' 2.45" W 90° 23' 33.64"	3.1
	VOR: CSX	Available from N 38° 44' 18.99" W 90° 20' 22.51" to N 38° 46' 2.45" W 90° 23' 33.64"	
	VOR: FTZ	Available from N 38° 44' 18.99" W 90° 20' 22.51" to N 38° 46' 2.45" W 90° 23' 33.64"	
	VOR: STL	Available from N 38° 44' 18.99" W 90° 20' 22.51" to N 38° 46' 2.45" W 90° 23' 33.64"	
	VOR: TOY	Available from N 38° 44' 18.99" W 90° 20' 22.51" to N 38° 46' 2.45" W 90° 23' 33.64"	

DME/DME (Continued.)

Return To Summary

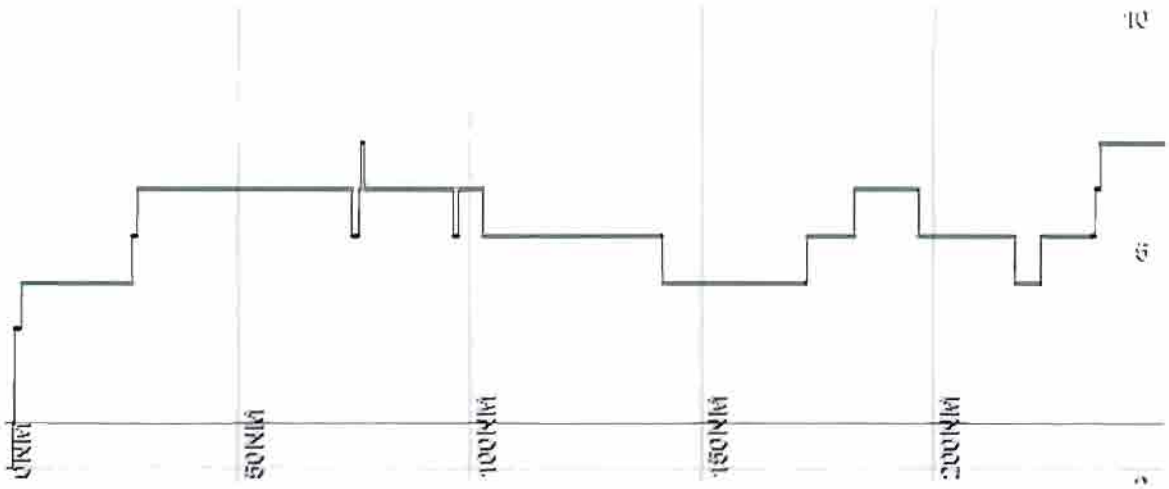
Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 38° 50' 12.52" W 90° 7' 46.30"	N 38° 46' 27.62" W 90° 0' 48.12"	6.6
	VOR: CSX	Available from N 38° 50' 12.52" W 90° 7' 46.30" to N 38° 46' 27.62" W 90° 0' 48.12"	
	VOR: STL	Available from N 38° 50' 12.52" W 90° 7' 46.30" to N 38° 46' 27.62" W 90° 0' 48.12"	
	VOR: TOY	Available from N 38° 50' 12.52" W 90° 7' 46.30" to N 38° 46' 27.62" W 90° 0' 48.12"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	PXV	N 37° 55' 41.95" W 87° 45' 44.56"	H	384.3	113.30	PXV	Used
		ESV: Bearing [True]: 288.0° to 300.0° Bearing [Mag]: 285.0° to 297.0°			Arc Distance: Out to 81.0 NM Altitude: 10000.0 to 17000.0 Ft.		
2	FAM	N 37° 40' 24.39" W 90° 14' 2.53"	H	1220.0	115.70	FAM	Used
		ESV: Bearing [True]: 8.0° to 60.0° Bearing [Mag]: 7.0° to 59.0°			Arc Distance: Out to 80.0 NM Altitude: 6000.0 to 17000.0 Ft.		
3	STL	N 38° 51' 38.48" W 90° 28' 56.52"	H	449.5	117.40	STL	Used
		ESV: Bearing [True]: 108.0° to 126.0° Bearing [Mag]: 107.0° to 125.0°			Arc Distance: Out to 82.0 NM Altitude: 6000.0 to 17000.0 Ft.		
4	AXC	N 39° 44' 15.08" W 88° 51' 23.15"	H	707.5	117.20	AXC	Used
		ESV: Bearing [True]: 181.0° to 222.0° Bearing [Mag]: 178.0° to 219.0°			Arc Distance: Out to 91.0 NM Altitude: 6000.0 to 17000.0 Ft.		
5	SPI	N 39° 50' 23.04" W 89° 40' 39.83"	H	586.3	112.70	SPI	Used
		Restriction: Bearing [True]: 24.0° to 44.0° Bearing [Mag]: 25.0° to 45.0°			Distance: Beyond 15.0 NM Altitude: Below 3000.0 Ft.		
		Restriction: Bearing [True]: 189.0° to 243.0° Bearing [Mag]: 190.0° to 244.0°			Distance: Beyond 15.0 NM Altitude: Below 4000.0 Ft.		
		Restriction: Bearing [True]: 244.0° to 299.0° Bearing [Mag]: 245.0° to 300.0°			Distance: Beyond 10.0 NM Altitude: Below 99999.0 Ft.		
		ESV: Bearing [True]: 180.0° to 195.0° Bearing [Mag]: 181.0° to 196.0°			Arc Distance: Out to 85.0 NM Altitude: 4000.0 to 15000.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR