



TO: Owners/Operators of G5000-equipped Cessna Citation Sovereign 680 and Citation X 750 aircraft, and G3000-equipped Cessna Citation M2 and Cessna Citation CJ3 aircraft

DATE: December 10, 2014 **SUBJECT:** LP and LPV Approaches

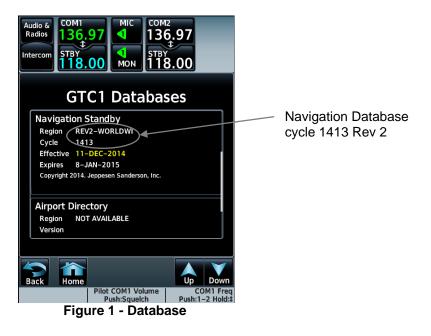
PRODUCTS AFFECTED

G5000-equipped Cessna Citation Sovereign 680 and Citation X 750 aircraft, and G3000-equipped Cessna Citation M2 and Cessna Citation CJ3 aircraft with navigation database cycle 1413 or earlier are affected.



Aircraft with navigation database cycle 1413 Rev 2 and later are not affected by this bulletin.

The navigation database cycle can be viewed on the GTC (see Figure 1). From the Home Screen, touch Utilities > Setup > Avionics Status > Database.



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ISSUE

RNP (Required Navigation Performance) data included in the LP and LPV approaches that are attached to the end of this service alert cause the scale factor of the CDI (Course Deviation Indicator) to be incorrect. The incorrect scale factor affects the displayed course error on the CDI.

PILOT ACTION

Until navigation database cycle 1501 (or later) is loaded, do not fly LP or LPV approaches that annunciate "RNP" near the center of the HSI (see Figure 2) when the active waypoint is the final approach fix (FAF) or the aircraft is on final approach inside the FAF. A list of these approaches is attached to the end of this service alert.



RESOLUTION

This issue will be resolved in navigation database cycle 1501 (and later).

Example:

KAPC R36LZ is the KAPC RNAV (GPS) Z RWY 36L approach KICT R14-Y is the KICT RNAV (GPS) Y RWY 14 approach

Airport_ID	Approach	Airport_Name FINGER LAKES REGL FINGER LAKES REGL CYNTHIANA HARRISON CO CYNTHIANA HARRISON CO MC CREARY CO MC CREARY CO MC CREARY CO MOUNTAIN GROVE MEML MILLEN MARYLAND GENEVA MUN JENNINGS JENNINGS JENNINGS MONTGOMERY CO COPELAND LE ROY BOIS BLANC ISLAND BOIS BLANC ISLAND BOIS BLANC ISLAND BOIS BLANC ISLAND BOIS BLANC ISLAND BOIS BLANC ISLAND SAUK CENTRE MUN LEA CO FRANKLIN MEML LEA CO FRANKLIN MEML LEA CO FRANKLIN MEML JOENSUU EELDE EELDE GARDERMOEN GARDERMOEN GARDERMOEN GARDERMOEN GARDERMOEN GARDERMOEN GARDERMOEN GARDERMOEN GARDENOEN SAVE STORUMAN RUSSELL CO RUSSELL CO RUSSELL CO RUSSELL CO RUSSELL CO RUSSELL CO RUSSELL CO RUSSELL CO RUSSELL CO HENDERSON	Airport_City	State
0G7	RNAV 01	FINGER LAKES REGL	SENECA FALLS	NY
0G7	RNAV 19	FINGER LAKES REGL	SENECA FALLS	NY
OIS	RNAV 11	CYNTHIANA HARRISON CO	CYNTHIANA	KY
OIS	RNAV 29	CYNTHIANA HARRISON CO	CYNTHIANA	KY
181	RNAV 04	MC CREARY CO	PINE KNOT	KY
18T	RNAV 22	MC CREARY CO	PINE KNOT	KY
1MO	RNAV 26	MOUNTAIN GROVE MEMI	MOUNTAIN GROVE	MO
2.15	DNAV 25	MILLEN	MULLEN	67
200	RNAV 35	MILLEN	MILLEN	GA
2W5	RNAV UZ	MARILAND	INDIAN HEAD	MD
330	RNAV 11	GENEVA MUN	GENEVA	AL
3R7	RNAV 08	JENNINGS	JENNINGS	LA
3R7	RNAV 26	JENNINGS	JENNINGS	LA
4 3 A	RNAV 03	MONTGOMERY CO	STAR	NC
4 3 A	RNAV 21	MONTGOMERY CO	STAR	NC
4T2	RNAV 17	COPELAND	FT WORTH	TX
4T2	RNAV 35	COPELAND	FT WORTH	TX
5G0	RNAV 28	LE ROY	LE ROY	NY
6Y1	RNAV 10	BOTS BLANC ISLAND	BOTS BLANC ISLAND	MT
GV1	DNDV 20	DOLG DIANG TGLAND	DOLG DIANG ISLAND	MT
011	RNAV 20	BOIS BLANC ISLAND	BOIS BLANC ISLAND	MI
039	KNAV 14	SAUK CENTRE MUN	SAUK CENTKE	MIN
D39	RNAV 32	SAUK CENTRE MUN	SAUK CENTRE	MN
E06	RNAV 03	LEA CO FRANKLIN MEML	LOVINGTON	NM
E06	RNAV 21	LEA CO FRANKLIN MEML	LOVINGTON	NM
EFJO	RNAV 10	JOENSUU	JOENSUU	
EFJO	RNAV 28	JOENSUU	JOENSUU	
EHGG	RNAV 05	EELDE	GRONTNGEN	
EHGG	RNAV 23	FELDE	GRONINGEN	
SHOG	DNDV 25	meuce	DEVENTED	
BHIE	RNAV 20	TEUGE	DEVENTER	
ENGM	RNAV OIL	GARDERMOEN	OSLO	
ENGM	RNAV 01R	GARDERMOEN	OSLO	
ENGM	RNAV 19L	GARDERMOEN	OSLO	
ENGM	RNAV 19R	GARDERMOEN	OSLO	
ESGP	RNAV 01	SAVE	GOTEBORG	
ESGP	RNAV 19	SAVE	GOTEBORG	
ESUD	RNAV 15	STORUMAN	STORUMAN	
K24	RNAV 17	RUSSELL CO	TAMESTOWN	KV
NZ 4	DNDV 25	RUSSELL CO	TAME STOWN	ICT I
NZ4	KINAV 55	RUSSELL CO	JAMESIOWN	K1
K38	RNAV 17	WASHINGTON CO VETERANS MEML	WASHINGTON	KS
K38	RNAV 35	WASHINGTON CO VETERANS MEML	WASHINGTON	KS
K74	RNAV 11	ODEGAARD	KINDRED	ND
K78	RNAV 17	ABILENE MUN	ABILENE	KS
K78	RNAV 35	ABILENE MUN	ABILENE	KS
KAAS	RNAV 05	TAYLOR CO	CAMPBELLSVILLE	KY
KAAS	RNAV 23	TAYLOR CO	CAMPBELLSVILLE	KY
KAC7	RNAV 09	HENDERSON	WALLACE	NC
KACZ.	RNAV 27	HENDERSON	WALLACE	NC
	NNAV ZI	RENDERSON	NALLACE	NC
NADE:	KNAV 04	FLORENCE MEML	AKKADELPHIA	AR
KADE	KNAV 22	FLORENCE MEML	AKKADELPHIA	AR
kafw	RNAV 34R	FT WORTH ALLIANCE	FT WORTH	TX
KAKR	RNAV 25	AKRON FULTON INTL	AKRON	OH
KALW	RNAV 02	WALLA WALLA REGL	WALLA WALLA	WA
KALW	RNAV 20	WALLA WALLA REGL	WALLA WALLA	WA
KALX	RNAV 36	RUSSELL	ALEXANDER CITY	AL.
KAPC	RNAV 361.7	NAPA CO	NAPA	CA
KATL	RNAV 08LY	HARTSFIELD JACKSON ATLANTA I	ATLANTA	GA
	NNAV UGLI	NARISFIELD JACKSON ATLANTA I		GA
KATL	RNAV 08R	HARTSFIELD JACKSON ATLANTA I	ATLANTA	GA
KATL	RNAV 09L	HARTSFIELD JACKSON ATLANTA I	ATLANTA	GA
KATL	RNAV 09R	HARTSFIELD JACKSON ATLANTA I	ATLANTA	GA
(ATL	RNAV 10 Y	HARTSFIELD JACKSON ATLANTA I	ATLANTA	GA
KATL	RNAV 26L	HARTSFIELD JACKSON ATLANTA I	ATLANTA	GA
KATL	RNAV 26RY	HARTSFIELD JACKSON ATLANTA I	ATLANTA	GA
KATL	RNAV 27L	HARTSFIELD JACKSON ATLANTA I	ATLANTA	GA
KATL	RNAV 27R	HARTSFIELD JACKSON ATLANTA I	ATLANTA	GA
KATL	RNAV 28 Y	HARTSFIELD JACKSON ATLANTA I	ATLANTA	GA
	RNAV 17	HURON CO MEML	BAD AXE	MI
KBAX				
KBAX	RNAV 35	HURON CO MEML	BAD AXE	MI
KBAX KBAX		HURON CO MEML BOCA RATON	BAD AXE BOCA RATON	MI FL
(BAX (BAX (BCT	RNAV 35 RNAV 23 Y	BOCA RATON	BOCA RATON	FL
KBAX KBAX KBCT KBEC KBEC	RNAV 35			

KBFM	RNAV 18	MOBILE DOWNTOWN	MOBILE	AL
KBFM	RNAV 32	MOBILE DOWNTOWN MOBILE DOWNTOWN	MOBILE	AL
KBFM	RNAV 36	MOBILE DOWNTOWN	MOBILE MOBILE	AL
VDFD	DNAV 21	CDT COM MUN	PEDEORD	TM
NDEK	RIVAV SI	GRISSOM MUN	BEDFORD	TIN
KBHK	RNAV 31	BAKER MUN	BAKER	M.L.
KBKX	RNAV 12	BROOKINGS REGL	BROOKINGS	SD
KBKX	RNAV 30	BROOKINGS REGL	BROOKINGS	SD
KBNA	RNAV 02CY	NASHVILLE INTL	NASHVILLE	TN
KBNA	RNAV 02LY	NASHVILLE INTL	NASHVILLE	TN
KDNA	DNAV 02DV	NACUVILLE INTE	NACHVILLE	TN
KDNA	RNAV UZRI	NASHVILLE INIL	NASHVILLE	TIN
KBNA	RNAV ZULY	NASHVILLE INTL	NASHVILLE	TN
KBNA	RNAV 20RY	NASHVILLE INTL	NASHVILLE	TN
KBOI	RNAV 10LY	BOISE AIR TERMINAL GOWEN	BOISE	ID
KBOI	RNAV 10RY	BOISE AIR TERMINAL GOWEN	BOISE	ID
KBST	RNAV 15	BELFAST MUN	BELFAST	ME
VDCT	DNAV 33	DETENCT MUN	DETENCT	ME
KDBI	DNAV 000	VELLOCC	DAMMIE ODEEK	MT
KBIL	RNAV ZSR	KETTOGG	BATTLE CREEK	MT
KBWG	RNAV 03	BOWLING GREEN WARREN CO REGL	BOWLING GREEN	KY
KBWI	RNAV 33LY	BALTIMORE WASHINGTON INTL THUR	BALTIMORE	MD
KCBF	RNAV 18	COUNCIL BLUFFS MUN	COUNCIL BLUFFS	IA
KCBF	RNAV 36	COUNCIL BLUFFS MUN	COUNCIL BLUFFS	TА
KOMU	DNAV 29DV	DOPT COLUMPUS INTI	COLIMPILS	04
KCOM	NNAV ZONI	COMULTA LA CALLE CO	COLUMBOS	mu
KCOT	KNAV 13	COTULLA LA SALLE CO	COTULLA	TX
KCOT	RNAV 31	COTULLA LA SALLE CO	COTULLA	ΤX
KCTB	RNAV 05	CUT BANK INTL	CUT BANK	ΜT
KCTB	RNAV 23	CUT BANK INTL	CUT BANK	MT
KCWI	RNAV 14	MOBILE DOWNTOWN MOBILE DOWNTOWN MOBILE DOWNTOWN GRISSOM MUN BAKER MUN BROOKINGS REGL BROOKINGS REGL BROOKINGS REGL NASHVILLE INTL NASHVILLE INTL NASHVILLE INTL NASHVILLE INTL NASHVILLE INTL NASHVILLE INTL NASHVILLE INTL BOISE AIR TERMINAL GOWEN BOISE AIR TERMINAL GOWEN BOISE AIR TERMINAL GOWEN BELFAST MUN EELFAST MUN EELFAST MUN EELFAST MUN COUNCIL BLUFFS MUN COUNCIL BLUFFS MUN COUNCIL BLUFFS MUN COUNCIL BLUFFS MUN COUNCIL BLUFFS MUN COTULLA LA SALLE CO COTULLA LA SALLE CO CUT BANK INTL CUT BANK INTL CUT BANK INTL CLINTON MUN CLINTON MUN CAPITAL CITY DAYTONA BEACH INTL DALLAS LOVE DALLAS LOVE DALLAS LOVE DALLAS FT WORTH INTL DALLAS FT	CLINTON	IA
KOWT	DNAV 21	CI INTON MUN	CLINTON	ТΔ
NOWI	DNAV 21	CLEINION HON	UADDIGDUDG	TA
NGAI	KNAV US	CAPITAL CITI	HARKISBURG	PA
KDAB	RNAV 25R	DAYTONA BEACH INTL	DAYTONA BEACH	FL
KDAL	RNAV 13RZ	DALLAS LOVE	DALLAS	TΧ
KDAL	RNAV 31LY	DALLAS LOVE	DALLAS	TΧ
KDAL	RNAV 31RY	DALLAS LOVE	DALLAS	TX
KDCV	RNAV 19	DAVIESS CO	WASHINGTON	TM
KDGI	NIAV 10	DAVIESS CO	DALLAG DE NODELL	114
KDEW	RNAV 17C	DALLAS FT WORTH INTL	DALLAS FT WORTH	ΤX
KDFW	RNAV 17L	DALLAS FT WORTH INTL	DALLAS FT WORTH	ΤX
KDFW	RNAV 17R	DALLAS FT WORTH INTL	DALLAS FT WORTH	TX
KDFW	RNAV 18L	DALLAS FT WORTH INTL	DALLAS FT WORTH	TΧ
KDEW	DNAV 10D	DALLAS PT WORTH INTI	DALLAG ET WORTH	mv
KDEW	RIVAV IOR	DALLAS FI WORTH INTL	DALLAS FI WORTH	1 1
KDFW	RNAV 31LY	DALLAS FT WORTH INTL	DALLAS FT WORTH	ΤX
KDFW	RNAV 35C	DALLAS FT WORTH INTL	DALLAS FT WORTH	ΤX
KDFW	RNAV 35L	DALLAS FT WORTH INTL	DALLAS FT WORTH	TΧ
KDFW	RNAV 35R	DALLAS FT WORTH INTL	DALLAS FT WORTH	TX
KDFW	RNAV 36L	DALLAS FT WORTH INTL	DALLAS FT WORTH	TΥ
KDEW	DNAV 36D	DALLAS ET WORTH INTI	DALLAS ET MORTH	mv
KDEN	DUDU OOD	DALLAS II WORTH INTE	DALLAS EI WORTH	MT
KDTW	RNAV USR	DETROIT METRO WAINE CO	DETROIT	MT
KDTW	RNAV 04R	DETROIT METRO WAYNE CO	DETROIT	MI
KDTW	RNAV 22R	DETROIT METRO WAYNE CO	DETROIT	MI
KDVL	RNAV 03	DEVILS LAKE RGNL	DEVILS LAKE	ND
KEBS	RNAV 32	WEBSTER CITY MUN	WEBSTER CITY	IA
KECS	RNAV 14	MONDELL	NEWCASTLE	WV
KECS	DNAV 20	MONDELL	NEWCASTIE	TATV
REC3	RIVAV JZ	MONDELL	NEWCASILE	VVI
KEVV	KNAV U4	EVANSVILLE REGL	EVANSVILLE	IN
KEVV	RNAV 22	EVANSVILLE REGL	EVANSVILLE	IN
KEWB	NINAV US			MA
KEWB	RNAV 23	NEW BEDFORD REGL	NEW BEDFORD	MA
KEWR	RNAV 04RY	NEWARK LIBERTY INTL	NEWARK	NJ
	RNAV 10L	FLYING CLOUD	MINNEAPOLIS	MN
			MINNEAPOLIS	
				MN
			FRANKFORT	ΚY
			PALM COAST	FL
KFIN	RNAV 11	FLAGLER CO	PALM COAST	FL
	RNAV 10LZ	FT LAUDERDALE HOLLYWOOD INTL FT LAUDERDALE HOLLYWOOD INTL	FT LAUDERDALE	FL
	RNAV 10R	FT LAUDERDALE HOLLYWOOD INTI-	FT LAUDERDALE	FL
		FT LAUDERDALE HOLLYWOOD INTL		FL
		FT LAUDERDALE HOLLYWOOD INTL		FL
				NE
	RNAV 33	BRENNER	FALLS CITY	NE
KFNT	RNAV 18	BISHOP INTL	FLINT	MI
	RNAV 01		RUTHERFORDTON	NC
<i>k.</i>	RNAV 19	RUTHERFORD CO MARCHMAN		NC
			AT AL	
	RNAV 21	FOSS	SIOUX FALLS	SD
	RNAV 34	FT WORTH MEACHAM INTL	FT WORTH	TΧ
KFXE	RNAV 08	FT LAUDERDALE EXECUTIVE	FT LAUDERDALE	FL
KFXE	RNAV 26	FOSS FT WORTH MEACHAM INTL FT LAUDERDALE EXECUTIVE FT LAUDERDALE EXECUTIVE	FT LAUDERDALE	FL
	RNAV 18	SOUTH LAFOURCHE LEONARD MILLER	GALLTANO	LA
		SOUTH LAFOURCHE LEONARD MILLER	CALLTANO	
KGAO	RNAV 36 RNAV 05	ODERNEYTILE ODERNE CONARD MILLER	ODEDNEVILLE	LA
KGCY	KNAV US	GREENEVILLE GREENE CO MUN	GREENEVILLE	ΤN

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KGED	RNAV 04	SUSSEX CO SUSSEX CO SOUTH BIG HORN CO GEORGETOWN CO GEORGETOWN CO MARSHFIELD MUN HARLOW MARSHFIELD MUN HARLOW	GEORGETOWN	DE
KGED	RNAV 22	SUSSEX CO	GEORGETOWN	DE
KGEY	RNAV 07	SOUTH BIG HORN CO	GREYBULL	WY
KGGE	RNAV 05	GEORGETOWN CO	GEORGETOWN	SC
KGGE	RNAV 23	GEORGETOWN CO	GEORGETOWN	SC
KGHG	RNAV 06	MARGUETET D MIN HARLOW	MARGUETELD	MA
KGHG	DNAV 00	MARCHETELD MUN HARLOW	MADQUETELD	MA
KGHG	RNAV 24	MARSHFIELD MUN HARLOW	MARSHFIELD	
KGRR	RNAV 17	GERALD R FORD INTL	GRAND RAPIDS	MI
KGWR	RNAV 16	GWINNER MELROE	GWINNER	ND
KGWR	RNAV 34	GWINNER MELROE	GWINNER	ND
KGXY	RNAV 10	GREELEY WELD CO	GREELEY	CO
KGXY	RNAV 17	GREELEY WELD CO	GREELEY	CO
KGXY	DNAV 00	CREELEY WELD CO	CDEELEY	CO
NGAI	RINAV 28	GREELEI WELD CO	GREELEI	
KGXY	RNAV 35	GREELEY WELD CO	GREELEY	CO
KHEG	RNAV 25	HERLONG RECREATIONAL	JACKSONVILLE	FL
KHFJ	RNAV 18	MONETT REGL	MONETT	MO
KHFJ	RNAV 36	MONETT REGL	MONETT	MO
KHHF	RNAV 04	HEMPHILL CO	CANADIAN	TX
KHHF	RNAV 22	HEMPHILL CO	CANADIAN	TX
КНОВ	DNAV 02	LEA CO DECL	UODDG	NM
KHOD	RIVAV 05	LEA CO REGL	HODDS	
KHOB	RNAV 21	LEA CO REGL	HOBBS	NM
KHOB	RNAV 30	LEA CO REGL	HOBBS	NM
KHQU	RNAV 28	THOMSON MC DUFFIE CO	THOMSON	GA
KICT	RNAV 01LY	WICHITA EISENHOWER NATL	WICHITA	KS
KICT	RNAV 01R	MARSHFIELD MUN HARLOW GERALD R FORD INTL GWINNER MELROE GWINNER MELROE GREELEY WELD CO GREELEY WELD CO GREELEY WELD CO HERLONG RECREATIONAL MONETT REGL MONETT REGL HEMPHILL CO LEA CO REGL LEA CO REGL LEA CO REGL LEA CO REGL LEA CO REGL MICHITA EISENHOWER NATL WICHITA EISENHOWER NATL WICHITA EISENHOWER NATL	WICHITA	KS
KICT	RNAV 14 V	WICHITA EIGENHOWED NAMI	WICHITA	KS
KTOT	NINTY 19 1	WICHITA EISENHOWER NATL WICHITA EISENHOWER NATL WICHITA EISENHOWER NATL WICHITA EISENHOWER NATL	NICHIN	
KICT	KNAV 19LY	WICHITA EISENHOWER NATL	WICHITA	KS
KICT	RNAV 19RY	WICHITA EISENHOWER NATL	WICHITA	KS
KICT	RNAV 32	WICHITA EISENHOWER NATL	WICHITA	KS
KIPJ	RNAV 23	LINCOLNTON LINCOLN CO REGL KINSTON REGL JETPORT AT STALLI	LINCOLNTON	NC
KISO	RNAV 05	KINSTON REGL JETPORT AT STALLI	KINSTON	NC
KISO	RNAV 23	KINSTON REGL JETPORT AT STALLI	KINSTON	NC
KIZG	DNAV 20	ENGREDN GLODEG DEGI	EDVEDUDC	ME
KI2G	RIVAV 52	EASIERN SLOPES REGL	FRIEBURG	
KJAU	RNAV 23	CAMPBELL CO	JACKSBORO	TN
KJFK	RNAV 22R	KENNEDY INTL	NEW YORK	NY
KJTC	RNAV 21	SPRINGERVILLE MUN	SPRINGERVILLE	AZ
KLAN	RNAV 28L	CAPITAL REGION INTL	LANSING	MI
KLNA	RNAV 33	PALM BEACH CO PARK	WEST PALM REACH	FL
KLOU	DNAV 04	DOMAN	LOUTQUILLE	KY
KT00	RNAV Z4	KINSTON REGL JETPORT AT STALLI KINSTON REGL JETPORT AT STALLI EASTERN SLOPES REGL CAMPBELL CO KENNEDY INTL SPRINGERVILLE MUN CAPITAL REGION INTL PALM BEACH CO PARK BOMMAN LINCOLN REGL LAS CRUCES INTL LAS CRUCES INTL LAS CRUCES INTL SOUTH HAVEN AREA REGL SOUTH HAVEN AREA REGL MARION CO MANISTEE CO BLACKER MANISTEE CO BLACKER MUSTEE CO	LOUISVILLE	
KLRG	RNAV 35	LINCOLN REGL	LINCOLN	ME
KLRU	RNAV 12	LAS CRUCES INTL	LAS CRUCES	NM
KLRU	RNAV 30	LAS CRUCES INTL	LAS CRUCES	NM
KLWA	RNAV 05	SOUTH HAVEN AREA REGL	SOUTH HAVEN	MI
KLWA	RNAV 23	SOUTH HAVEN AREA REGL	SOUTH HAVEN	MI
KMAO	RNAV 04	MARTON CO	MARTON	SC
INNAU	DNAV 10	MANIGREE CO. DIAGKED	MANTON	
KMBL	RNAV 10	MANISTEE CO BLACKER	MANISTEE	MI
KMBL	RNAV 28	MANISTEE CO BLACKER	MANISTEE	MI
KMBT	RNAV 18	MURFREESBORO MUN	MURFREESBORO	TN
KMDW	RNAV 04RZ	CHICAGO MIDWAY INTL	CHICAGO	IL
KMDW	RNAV 221.7	CHICAGO MIDWAY INTL	CHICAGO	IL
KMDW	DNAV 31C7	CHICAGO MIDWAY INTL	CHICAGO	IL
NHDW	DNAV 12	CHICAGO HIDWAI INIL	MADQUALIMONN	
KMIW	KINAV 13	MARSHALLTOWN MUN MARSHALLTOWN MUN	MARSHALLTOWN	IA
KMIW	RNAV 31	MARSHALLTOWN MUN	MARSHALLTOWN	IA
KMKY	RNAV 35	MARCO I	MARCO I	FL
KMPV	RNAV 17	KNAPP STATE	BARRE MONTPELIER	VT
KMQY	RNAV 14	SMYRNA		TN
KMOY	RNAV 32	SMYRNA	SMYRNA	TN
KMUT	RNAV 12	MUSCATINE MUN	MUSCATINE	IA
KMUT	RNAV 30		MUSCATINE	IA
KMVL	RNAV 19 Y		MORRISVILLE	VT
KMVL	RNAV 19 Z	MORRISVILLE STOWE STATE	MORRISVILLE	VT
KNUW	RNAV 14	WHIDBEY I NAS	OAK HARBOR	WA
KNUW	RNAV 25		OAK HARBOR	WA
KOAK	RNAV 12 Y		OAKLAND	CA
KOAK			OAKLAND	CA
KOJA	RNAV 17		WEATHERFORD	OK
KOJA	RNAV 35	STAFFORD	WEATHERFORD	OK
KOKC	RNAV 13	WILL ROGERS WORLD	OKLAHOMA CITY	OK
KOKC	RNAV 17LY	WILL ROGERS WORLD WILL ROGERS WORLD WILL ROGERS WORLD	OKLAHOMA CITY	OK
KOKC		WILL ROCERS WORLD	OKLAHOMA CITY	OK
	RNAV 17RY	HINGURGERS WORLD		
KOKV	RNAV 14	WINCHESTER REGL	WINCHESTER	VA
KORS	RNAV 16	ORCAS I	EASTSOUND	WA
KPBH	RNAV 01	PRICE CO	PHILLIPS	WI
	RNAV 28	PLANT CITY	EASTSOUND PHILLIPS PLANT CITY	FL
KPCM	***** × 20	ST CLAIR CO INTL	PORT HURON	MI
	DNDV 04			IM T
KPHN	RNAV 04			
KPHN KPHN	RNAV 22	ST CLAIR CO INTL	PORT HURON	MI
KPCM KPHN KPHN KPMP		ST CLAIR CO INTL POMPANO BEACH		

KPMP	RNAV 24	POMPANO BEACH	POMPANO BEACH	FL
KPMP	RNAV 33	POMPANO BEACH	POMPANO BEACH	FL
KPRC	RNAV 21L	LOVE	PRESCOTT	AZ
KPSC	RNAV 03LY	TRI CITIES	PASCO	WA
KPSC	RNAV 12 Y	TRI CITIES	PASCO	WA
KPSC	RNAV 21RY	TRI CITIES	PASCO	WA
KPSC	RNAV 30 V	TRI CITIES	PASCO	WD.
KEBC	DNAV SO I	DIMERCETELD MUN	DIMMODIPI D	11/2
NPSE	RNAV US	PITISFIELD MON	PITTSFIELD	MA
KPSF	RNAV 26	PITTSFIELD MUN	PITTSFIELD	MA
KPTW	RNAV 28	HERITAGE	POTTSTOWN	PA
KPVG	RNAV 10	HAMPTON ROADS EXECUTIVE	NORFOLK	VA
KRAW	RNAV 18	WARSAW MUN	WARSAW	MO
KRAW	RNAV 36	WARSAW MUN	WARSAW	MO
KRDM	RNAV 04 Y	ROBERTS	REDMOND	OR
KRDM	RNAV 10	ROBERTS	REDMOND	OR
VDDM	DNAV 22 V	DOPENTO	REDHOND	OP
KRDN	DNDV 00 7	ROBERIS DICUMOND INUT	REDITOND	UR
KRIC	RNAV 02 Z	RICHMOND INTL	RICHMOND	VA
KRIC	RNAV 16 Z	RICHMOND INTL	RICHMOND	VA
KRIC	RNAV 20 Z	RICHMOND INTL	RICHMOND	VA
KRIC	RNAV 34 Z	RICHMOND INTL	RICHMOND	VA
KRLD	RNAV 26	RICHLAND	RICHLAND	WA
KRYW	RNAV 15	LAGO VISTA ALLEN	LAGO VISTA	TΧ
KSDF	RNAV 35RY	LOUISVILLE INTL STANDIFORD	LOUISVILLE	KY
KSED	RNAV 16CV	SEATTLE TACOMA INTL	SEATTLE	WD
KGEA	RNAV 161V	SEATTLE TACOMA INTI	SEATIBE SEATTE	6775
KODA	DNAV 10D1	CENTRE TROOMA INTE	ODATILL ODAMMI D	5175
KSEA	KNAV 16KI	SEATTLE TACOMA INTL	SEATTLE	WA
KSEM	RNAV 15	CRAIG	SELMA	AL
KSEM	RNAV 33	CRAIG	SELMA	AL
KSER	RNAV 05	FREEMAN MUN	SEYMOUR	IN
KSER	RNAV 14	FREEMAN MUN	SEYMOUR	IN
KSER	RNAV 23	FREEMAN MUN	SEYMOUR	IN
KSER	RNAV 32	FREEMAN MUN	SEYMOUR	TN
KSFO	RNAV 191.	SAN FRANCISCO INTL	SAN FRANCISCO	CA
KGEO	DNAV 19D	CAN FRANCISCO INTL	SAN FRANCISCO	CD
KOTU	DNDV 10	SAN FRANCISCO INTE	SAN FRANCISCO	TN
KSIV	RNAV 18	SULLIVAN CO	SULLIVAN	TN
KSIV	RNAV 36	SULLIVAN CO	SULLIVAN	IN
KSJS	RNAV 03	BIG SANDY REGL	PRESTONSBURG	KY
KSJS	RNAV 21	BIG SANDY REGL	PRESTONSBURG	KY
KSNA	RNAV 20RY	JOHN WAYNE ORANGE CO	SANTA ANA	CA
KSVH	RNAV 10	STATESVILLE REGL	STATESVILLE	NC
KSVH	RNAV 28	STATESVILLE REGL	STATESVILLE	NC
KSVM	RNAV 02	MOREHEAD ROWAN CO CLYDE A THO	MOREHEAD	KV
KOTH	DNAV 02	MOREHEAD ROWAN CO CLIDE A THO	MOREHEAD	1CL
NSIM	RNAV 20	MOREHEAD ROWAN CO CLIDE A THO	MOREHEAD	L I
KTBR	RNAV 32	STATESBORO BULLOCH CO	STATESBORO	GA
KTEB	RNAV 19 Y	TETERBORO	TETERBORO	NJ
KTNU	RNAV 14	NEWTON MUN	NEWTON	IA
KTNU	RNAV 32	NEWTON MUN	NEWTON	IA
KTPA	RNAV 01R	TAMPA INTL	TAMPA	FL
KTPF	RNAV 36	KNIGHT	TAMPA	FL
KTVF	RNAV 04	THIEF RIVER FALLS REGL	THIEF RIVER FALLS	MN
KTVF	RNAV 13	THIFF RIVER FALLS REGI	THIEF RIVER FALLS	MN
VITUE	DNAV 22	THIEF DIVED FALLS DECL	THILE RIVER FALLS	MNI
I I V E	RIVAV 22	THIEF RIVER FALLS REGL	THIEF KIVER FALLS	PIN
K.T.V.F.	RNAV 31	THIEF RIVER FALLS REGL	THIEF RIVER FALLS	MN
K.I.W.I.	RNAV UI	STURGIS MUN	STURGIS	Κĭ
KUOX	RNAV 09	POMPANO BEACH POMPANO BEACH LOVE TRI CITIES TRI CITIES TRI CITIES PITTSFIELD MUN PITTSFIELD MUN HERITAGE HAMPTON ROADS EXECUTIVE WARSAW MUN WARSAW MUN WARSAW MUN WARSAW MUN WARSAW MUN WARSAW MUN ROBERTS ROBERTS ROBERTS ROBERTS RICHMOND INTL RICHMOND INTL RICHMOND INTL RICHMOND INTL RICHLAND LAGO VISTA ALLEN LOUISVILLE INTL STANDIFORD SEATTLE TACOMA INTL SEATTLE TACOMA INTL SAN FRANCISCO INTL SULLIVAN CO SULLIVAN CO SULLI SUN SUN SUN SUN SUN SUN SUN SUN	OXFORD	MS
KUOX	RNAV 27	UNIVERSITY OXFORD	OXFORD	MS
KUWL	RNAV 09	NEW CASTLE HENRY CO MUN	NEW CASTLE	IN
KUWL	RNAV 27	NEW CASTLE HENRY CO MUN	NEW CASTLE	IN
KUZA	RNAV 02	ROCK HILL YORK CO BRYANT	ROCK HILL	SC
KVQQ	RNAV 09R	CECIL	JACKSONVILLE	FL
KVQQ	RNAV 18L	CECIL	JACKSONVILLE	FL
64.64	RNAV 18R	CECIL	JACKSONVILLE	FL
KVQQ				
KVQQ	RNAV 27L	CECIL	JACKSONVILLE	FL
KVQQ	RNAV 36L	CECIL	JACKSONVILLE	FL
KVQQ	RNAV 36R	CECIL	JACKSONVILLE	FL
KWDR	RNAV 31	BARROW CO	WINDER	GA
KWLD	RNAV 17	STROTHER	WINFIELD ARKANSAS CITY	KS
KWLD	RNAV 35	STROTHER	WINFIELD ARKANSAS CITY	KS
KZEF	RNAV 07	ELKIN MUN	ELKIN	NC
KZEF	RNAV 25	ELKIN MUN	ELKIN	NC
KZPH	RNAV 25 RNAV 01	ZEPHYRHILLS MUN	ZEPHYRHILLS	FL
KZPH	RNAV 05	ZEPHYRHILLS MUN	ZEPHYRHILLS	FL
KZPH	RNAV 19	ZEPHYRHILLS MUN	ZEPHYRHILLS	FL
KZPH	RNAV 23	ZEPHYRHILLS MUN	ZEPHYRHILLS	FL
L35	RNAV 26	BIG BEAR CITY	BIG BEAR	CA
LFEC	RNAV 05	OUESSANT	OUESSANT	
LFEC	RNAV 23	OUESSANT	OUESSANT	
LFGA	RNAV 01	HOUSSEN	COLMAR	
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LFMH LFPT	RNAV 18 Z RNAV 05 Y	BOUTHEON CORMEILLES EN VEXIN	ST ETIENNE PONTOISE	
LFPT	RNAV 05 Z	CORMEILLES EN VEXIN	PONTOISE	
LFPT	RNAV 23	CORMEILLES EN VEXIN	PONTOISE	
LFQM	RNAV 23 Z	LA VEZE	BESANCON	
LOWG	RNAV 35C	GRAZ	GRAZ	
002	RNAV 26 Z	NERVINO	BECKWOURTH	CA
P20	RNAV 01	AVI SUQUILLA	PARKER	AZ
PAKW	RNAV 02	KLAWOCK	KLAWOCK	AK
PAOM	RNAV 10	NOME	NOME	AK
PAOM	RNAV 28	NOME	NOME	AK
PAWS	RNAV 04	WASILLA	WASILLA	AK
PAWS	RNAV 22	WASILLA	WASILLA	AK
PFSH	RNAV 14	SHAKTOOLIK	SHAKTOOLIK	AK
S24	RNAV 24	SANDUSKY CO REGL	FREMONT	OH