

# ***SERVICE ALERT***

**NO.: 1478 Rev A**

**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.

### **NOTE**

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.



Navigation Database  
cycle 1413 Rev 2

**Figure 1 - 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.



**Figure 2 - HSI**

### **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	Airport_City	State
0G7	RNAV 01	FINGER LAKES REGL	SENECA FALLS	NY
0G7	RNAV 19	FINGER LAKES REGL	SENECA FALLS	NY
0I8	RNAV 11	CYNTHIANA HARRISON CO	CYNTHIANA	KY
0I8	RNAV 29	CYNTHIANA HARRISON CO	CYNTHIANA	KY
18I	RNAV 04	MC CREARY CO	PINE KNOT	KY
18I	RNAV 22	MC CREARY CO	PINE KNOT	KY
1MO	RNAV 26	MOUNTAIN GROVE MEML	MOUNTAIN GROVE	MO
2J5	RNAV 35	MILLEN	MILLEN	GA
2W5	RNAV 02	MARYLAND	INDIAN HEAD	MD
33J	RNAV 11	GENEVA MUN	GENEVA	AL
3R7	RNAV 08	JENNINGS	JENNINGS	LA
3R7	RNAV 26	JENNINGS	JENNINGS	LA
43A	RNAV 03	MONTGOMERY CO	STAR	NC
43A	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	BOIS BLANC ISLAND	BOIS BLANC ISLAND	MI
6Y1	RNAV 28	BOIS BLANC ISLAND	BOIS BLANC ISLAND	MI
D39	RNAV 14	SAUK CENTRE MUN	SAUK CENTRE	MN
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	GRONINGEN	
EHGG	RNAV 23	EELDE	GRONINGEN	
EHTE	RNAV 26	TEUGE	DEVENTER	
ENGM	RNAV 01L	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	JAMESTOWN	KY
K24	RNAV 35	RUSSELL CO	JAMESTOWN	KY
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
KACZ	RNAV 09	HENDERSON	WALLACE	NC
KACZ	RNAV 27	HENDERSON	WALLACE	NC
KADF	RNAV 04	FLORENCE MEML	ARKADELPHIA	AR
KADF	RNAV 22	FLORENCE MEML	ARKADELPHIA	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 36LZ	NAPA CO	NAPA	CA
KATL	RNAV 08LY	HARTSFIELD JACKSON ATLANTA I	ATLANTA	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
KATL	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
KBAX	RNAV 17	HURON CO MEML	BAD AXE	MI
KBAX	RNAV 35	HURON CO MEML	BAD AXE	MI
KBCT	RNAV 23 Y	BOCA RATON	BOCA RATON	FL
KBEC	RNAV 01	BEECH FACTORY	WICHITA	KS
KBEC	RNAV 19	BEECH FACTORY	WICHITA	KS
KBEM	RNAV 14	MOBILE DOWNTOWN	MOBILE	AL

KBFM	RNAV 18	MOBILE DOWNTOWN	MOBILE	AL
KBFM	RNAV 32	MOBILE DOWNTOWN	MOBILE	AL
KBFM	RNAV 36	MOBILE DOWNTOWN	MOBILE	AL
KBFR	RNAV 31	GRISSOM MUN	BEDFORD	IN
KBHK	RNAV 31	BAKER MUN	BAKER	MT
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
KBNA	RNAV 02RY	NASHVILLE INTL	NASHVILLE	TN
KBNA	RNAV 20LY	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
KBST	RNAV 33	BELFAST MUN	BELFAST	ME
KBTL	RNAV 23R	KELLOGG	BATTLE CREEK	MI
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	IA
KCMH	RNAV 28RY	PORT COLUMBUS INTL	COLUMBUS	OH
KCOT	RNAV 13	COTULLA LA SALLE CO	COTULLA	TX
KCOT	RNAV 31	COTULLA LA SALLE CO	COTULLA	TX
KCTB	RNAV 05	CUT BANK INTL	CUT BANK	MT
KCTB	RNAV 23	CUT BANK INTL	CUT BANK	MT
KCWI	RNAV 14	CLINTON MUN	CLINTON	IA
KCWI	RNAV 21	CLINTON MUN	CLINTON	IA
KCCY	RNAV 08	CAPITAL CITY	HARRISBURG	PA
KDAB	RNAV 25R	DAYTONA BEACH INTL	DAYTONA BEACH	FL
KDAL	RNAV 13RZ	DALLAS LOVE	DALLAS	TX
KDAL	RNAV 31LY	DALLAS LOVE	DALLAS	TX
KDAL	RNAV 31RY	DALLAS LOVE	DALLAS	TX
KDCY	RNAV 18	DAVIESS CO	WASHINGTON	IN
KDFW	RNAV 17C	DALLAS FT WORTH INTL	DALLAS FT WORTH	TX
KDFW	RNAV 17L	DALLAS FT WORTH INTL	DALLAS FT WORTH	TX
KDFW	RNAV 17R	DALLAS FT WORTH INTL	DALLAS FT WORTH	TX
KDFW	RNAV 18L	DALLAS FT WORTH INTL	DALLAS FT WORTH	TX
KDFW	RNAV 18R	DALLAS FT WORTH INTL	DALLAS FT WORTH	TX
KDFW	RNAV 31LY	DALLAS FT WORTH INTL	DALLAS FT WORTH	TX
KDFW	RNAV 35C	DALLAS FT WORTH INTL	DALLAS FT WORTH	TX
KDFW	RNAV 35L	DALLAS FT WORTH INTL	DALLAS FT WORTH	TX
KDFW	RNAV 35R	DALLAS FT WORTH INTL	DALLAS FT WORTH	TX
KDFW	RNAV 36L	DALLAS FT WORTH INTL	DALLAS FT WORTH	TX
KDFW	RNAV 36R	DALLAS FT WORTH INTL	DALLAS FT WORTH	TX
KDTW	RNAV 03R	DETROIT METRO WAYNE CO	DETROIT	MI
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	WY
KECS	RNAV 32	MONDELL	NEWCASTLE	WY
KEVV	RNAV 04	EVANSVILLE REGL	EVANSVILLE	IN
KEVV	RNAV 22	EVANSVILLE REGL	EVANSVILLE	IN
KEWB	RNAV 05	NEW BEDFORD REGL	NEW BEDFORD	MA
KEWB	RNAV 23	NEW BEDFORD REGL	NEW BEDFORD	MA
KEWR	RNAV 04RY	NEWARK LIBERTY INTL	NEWARK	NJ
KFCM	RNAV 10L	FLYING CLOUD	MINNEAPOLIS	MN
KFCM	RNAV 28R	FLYING CLOUD	MINNEAPOLIS	MN
KFFT	RNAV 25	CAPITAL CITY	FRANKFORT	KY
KFIN	RNAV 06	FLAGLER CO	PALM COAST	FL
KFIN	RNAV 11	FLAGLER CO	PALM COAST	FL
KFLL	RNAV 10LZ	FT LAUDERDALE HOLLYWOOD INTL	FT LAUDERDALE	FL
KFLL	RNAV 10R	FT LAUDERDALE HOLLYWOOD INTL	FT LAUDERDALE	FL
KFLL	RNAV 28L	FT LAUDERDALE HOLLYWOOD INTL	FT LAUDERDALE	FL
KFLL	RNAV 28RY	FT LAUDERDALE HOLLYWOOD INTL	FT LAUDERDALE	FL
KFNB	RNAV 15	BRENNER	FALLS CITY	NE
KFNB	RNAV 33	BRENNER	FALLS CITY	NE
KENT	RNAV 18	BISHOP INTL	FLINT	MI
KFQD	RNAV 01	RUTHERFORD CO MARCHMAN	RUTHERFORDTON	NC
KFQD	RNAV 19	RUTHERFORD CO MARCHMAN	RUTHERFORDTON	NC
KFSD	RNAV 21	FOSS	SIOUX FALLS	SD
KFTW	RNAV 34	FT WORTH MEACHAM INTL	FT WORTH	TX
KFXE	RNAV 08	FT LAUDERDALE EXECUTIVE	FT LAUDERDALE	FL
KFXE	RNAV 26	FT LAUDERDALE EXECUTIVE	FT LAUDERDALE	FL
KGAO	RNAV 18	SOUTH LAFOURCHE LEONARD MILLER	GALLIANO	LA
KGAO	RNAV 36	SOUTH LAFOURCHE LEONARD MILLER	GALLIANO	LA
KGCY	RNAV 05	GREENEVILLE GREENE CO MUN	GREENEVILLE	TN

KGED	RNAV 04	SUSSEX CO	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	MARSHFIELD MUN HARLOW	MARSHFIELD	MA
KGHG	RNAV 24	MARSHFIELD MUN HARLOW	MARSHFIELD	MA
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	RNAV 28	GREELEY WELD CO	GREELEY	CO
KGXY	RNAV 35	GREELEY WELD CO	GREELEY	CO
KHEG	RNAV 25	HERLONG RECREATIONAL	JACKSONVILLE	FL
KHEJ	RNAV 18	MONETT REGL	MONETT	MO
KHEJ	RNAV 36	MONETT REGL	MONETT	MO
KHHF	RNAV 04	HEMPHILL CO	CANADIAN	TX
KHHF	RNAV 22	HEMPHILL CO	CANADIAN	TX
KHOB	RNAV 03	LEA CO REGL	HOBBS	NM
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	WICHITA EISENHOWER NATL	WICHITA	KS
KICT	RNAV 14 Y	WICHITA EISENHOWER NATL	WICHITA	KS
KICT	RNAV 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	LINCOLNTON	NC
KISO	RNAV 05	KINSTON REGL JETPORT AT STALLI	KINSTON	NC
KISO	RNAV 23	KINSTON REGL JETPORT AT STALLI	KINSTON	NC
KIZG	RNAV 32	EASTERN SLOPES REGL	FRYEBURG	ME
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 BEACH	FL
KLOU	RNAV 24	BOWMAN	LOUISVILLE	KY
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	MARION CO	MARION	SC
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 22LZ	CHICAGO MIDWAY INTL	CHICAGO	IL
KMDW	RNAV 31CZ	CHICAGO MIDWAY INTL	CHICAGO	IL
KMIW	RNAV 13	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	SMYRNA	TN
KMQY	RNAV 32	SMYRNA	SMYRNA	TN
KMUT	RNAV 12	MUSCATINE MUN	MUSCATINE	IA
KMUT	RNAV 30	MUSCATINE MUN	MUSCATINE	IA
KMVL	RNAV 19 Y	MORRISVILLE STOWE STATE	MORRISVILLE	VT
KMVL	RNAV 19 Z	MORRISVILLE STOWE STATE	MORRISVILLE	VT
KNUW	RNAV 14	WHIDBEY I NAS	OAK HARBOR	WA
KNUW	RNAV 25	WHIDBEY I NAS	OAK HARBOR	WA
KOAK	RNAV 12 Y	METRO OAKLAND INTL	OAKLAND	CA
KOAK	RNAV 30 Y	METRO OAKLAND INTL	OAKLAND	CA
KOJA	RNAV 17	STAFFORD	WEATHERFORD	OK
KOJA	RNAV 35	STAFFORD	WEATHERFORD	OK
KOKC	RNAV 13	WILL ROGERS WORLD	OKLAHOMA CITY	OK
KOKC	RNAV 17LY	WILL ROGERS WORLD	OKLAHOMA CITY	OK
KOKC	RNAV 17RY	WILL ROGERS WORLD	OKLAHOMA CITY	OK
KOKV	RNAV 14	WINCHESTER REGL	WINCHESTER	VA
KORS	RNAV 16	ORCAS I	EASTSOUND	WA
KPBH	RNAV 01	PRICE CO	PHILLIPS	WI
KPCM	RNAV 28	PLANT CITY	PLANT CITY	FL
KPHN	RNAV 04	ST CLAIR CO INTL	PORT HURON	MI
KPHN	RNAV 22	ST CLAIR CO INTL	PORT HURON	MI
KPMP	RNAV 06	POMPANO BEACH	POMPANO BEACH	FL
KPMP	RNAV 15	POMPANO BEACH	POMPANO BEACH	FL

KMPF	RNAV 24	POMPANO BEACH	POMPANO BEACH	FL
KMPF	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 Y	TRI CITIES	PASCO	WA
KPSF	RNAV 08	PITTSFIELD MUN	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
KRDM	RNAV 22 Y	ROBERTS	REDMOND	OR
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	TX
KSDF	RNAV 35RY	LOUISVILLE INTL STANDIFORD	LOUISVILLE	KY
KSEA	RNAV 16CY	SEATTLE TACOMA INTL	SEATTLE	WA
KSEA	RNAV 16LY	SEATTLE TACOMA INTL	SEATTLE	WA
KSEA	RNAV 16RY	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	IN
KSFO	RNAV 19L	SAN FRANCISCO INTL	SAN FRANCISCO	CA
KSFO	RNAV 19R	SAN FRANCISCO INTL	SAN FRANCISCO	CA
KSIV	RNAV 18	SULLIVAN CO	SULLIVAN	IN
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
KSYM	RNAV 02	MOREHEAD ROWAN CO CLYDE A THO	MOREHEAD	KY
KSYM	RNAV 20	MOREHEAD ROWAN CO CLYDE A THO	MOREHEAD	KY
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	THIEF RIVER FALLS REGL	THIEF RIVER FALLS	MN
KTVF	RNAV 22	THIEF RIVER FALLS REGL	THIEF RIVER FALLS	MN
KTVF	RNAV 31	THIEF RIVER FALLS REGL	THIEF RIVER FALLS	MN
KTWT	RNAV 01	STURGIS MUN	STURGIS	KY
KUOX	RNAV 09	UNIVERSITY OXFORD	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
KVQQ	RNAV 18R	CECIL	JACKSONVILLE	FL
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 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	

LFMH	RNAV 18 Z	BOUTHEON	ST ETIENNE	
LFPT	RNAV 05 Y	CORMEILLES EN VEXIN	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	
O02	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