

# ROUTE QUEST

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The VORs listed in sections four, five, six and seven as well as the intersections listed in sections four and five are for reference only and not meant to be used for any form of navigation.

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## **Section One**

### **Introduction**

## INTRODUCTION

Route Quest is a list of preferred routes within the 48 contiguous states. The routes are for preflight planning purposes only and not guaranteed to be assigned routing by ATC.

The purpose is to get a route into the system reducing the preflight planning time and filing a route preferred by ATC. Although the routes are a compiled list of preferred routes from ARTCCs across the US, any combination of weather, flow control or TFRs may result in deviations from preferred routing. In addition, some routes listed in section three are not designated preferred routes by the FAA but popular routes and airports that were added by Route Quest.

All routes are designed for high altitude operations and may not apply to low altitude non turbine aircraft. Although many routes preferred by ARTCC have jet and non jet routing, the listed preferred routes are primarily for jet aircraft.

The preferred routes list consists of popular airports across the country; routes that are not listed may be created using the Arrival and Departure Fixes in Section 4, and En-Route Fixes in Section 5.

## DETERMINING YOUR ROUTE

All listed airports are in alphabetical order. To get a preferred route, first find the departure airport found in the **From** column and then move down the list in the **To** column until locating the destination airport. The routing will be listed in the **Route** column which will include fixes, airways, Departure Procedures and ARRIVALS.

### Example:

<b>From</b>	<b>To</b>	<b>Route</b>
ABE	ALB	ETX LHY
ABE	AVP	ABE V93 LVZ
ABE	BDL	FJC V162 HUO
ABE	BWI	ETX V162 DUMMR V93 LRP

## **READING ROUTES**

The routes may use a combination of fixes, airways, Departure Procedures and ARRIVALs. Any fix with three letters is a VOR (example: DFW) and any fixes with five letters are intersections (example: DUMPY). An airway beginning with J is a high altitude airway used above flight level 180 and airways beginning with V are low altitude airways used below flight level 180. The following is an example of a listed route from Albany, NY (KALB) to Rochester, NY (KROC):

**Example:** ALB V2 ROC  
(Albany VOR Vector Airway 2 to Rochester VOR)

Some routes prefer you to file to a DME fix located on a radial from a desired fix. A forward slash separates the radial and DME from the fix.

**Example:** PSB/292DR/60NM  
(Phillipsburg VOR / 292 degree radial / 60 NM DME)

## **DEPARTURE PROCEDURES and ARRIVALS**

Departure Procedures (DP) and ARRIVALs are listed and separated from the rest of the route with a space (example: TEXOMA DP\_ or \_DUMPY ARRIVAL). The current DP and ARRIVAL number (example: TEXOMA 6 ) are not listed for currency purposes, these may be found in the charts or with flight service. The following is an example of a route from KABQ to KVNY including the preferred DP and ARRIVAL:

**Example:** LARGO DP\_ZUN J6 PMD\_LYNXX ARRIVAL  
(Largo departure from Albuquerque to the ZUN VOR then JET AIRWAY 6 to PMD and then the LYNXX ARRIVAL to Van Nuys)

## **AIRPORTS THAT ARE NOT LISTED**

Many airports across the country will not be listed in the preferred routes. However, there is still a way to develop a route without having to refer to other sources.

One option is to find an airport close by in the preferred list and use that route to the destination or departure airport. An example is a route from Pine Bluff, AR (KPBF, located 20 miles northwest of KLIT) to Memphis, TN (KMEM). File from KPBF to LIT VOR then use the routing from KLIT to KMEM. An example for arrival is White Plains, NY (KHPN) to Tampa, FL (KTPA). File from KHPN to ATL VOR then use the route from KATL to KTPA.

Another option is to use reverse routing. You may accomplish this by looking up your destination airport as a departure airport. For example if you are planning a flight from KSBA (Santa Barbara, CA) to KSUN (Sun Valley, ID) and the route is not available, then looking up KSUN to KSBA would be another option. This route is available and you could file the route backwards. This may not always be the preferred route, however, it does get a flight plan in the system.

A final option to determine routing for airports that are not listed would be the Arrival Fixes (AF), Departure (DF) and en-route (EF) Fixes located in section 4 and section 5. If a route is still not available than referring to low or high altitude charts will be required.

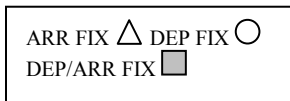
## **USING DEPARTURE AND ARRIVAL FIXES**

Departure Fixes (DF) and Arrival Fixes (AF) are established around high congestion airports to route aircraft over a desired area and then assign a Departure Procedure or ARRIVAL to maintain control of traffic flow. These fixes are usually located in the Northeast, Southeast, Northwest and Southwest corners of the arrival or departure area. An example of an Arrival Fix going into KDFW from the Northwest would be Bowie VOR (UKW). Aircraft departing the Dallas area en route to the Atlanta area may use the Dallas FT. Worth, TX chart and pick a DF east bound to an AF from the west to the Atlanta area from the Atlanta, GA chart. This will allow you to get a flight plan in the system and also establish you on a preferred Arrival or Departure Fix in that area. ATC may then issue you a Departure Procedure or ARRIVAL that is preferred over that specific fix.

DF and AF are mainly VORs and Intersections depending on the airspace around the area. The major cities containing Departure Fixes

and Arrival Fixes are in alphabetical order in Section 4. An Arrival Fix is indicated by a triangle and a Departure Fix is indicated by a circle. Many ARTCCs across the country use the same fix for arrivals and departures, these fixes are indicated by a shaded square. Each fix will have the identifier on the right side labeling the name. A three letter fix is a VOR and a five letter fix is an intersection. A legend is on every page for a quick reference.

**Example:**



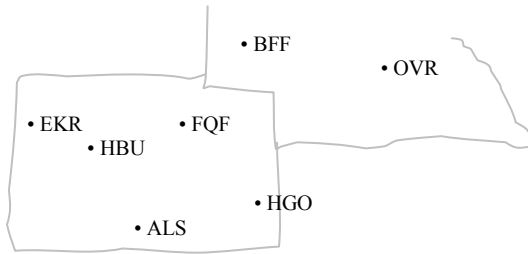
**EN-ROUTE FIXES**

En-Route fixes (EF) are printed in geographical regions across the country. These regions are broken into different pages to make it easier to read. The fixes are a combination of VORs and intersections that are located on popular high and low altitude airways. The regions are broken into six different pages labeled EFNE1, EFSE2, EFNC3, EFSC4, EFNW5 and EFSW6.

If planning a flight that does not have a preferred route, simply use the regions that you will be flying through and pick a few fixes that are along your planned route of flight.

If departing an airport that is listed as a DF and AF area in section 4, pick a DF then file to a couple of en-route fixes (EF) and then to the destination. An example is departing the Dallas area to the Denver area. File to ADM (DF on Dallas Ft Worth Page) to LBL (EF on EFNC-3) to HGO (AF on Denver Page). All the fixes are indicated with a dot, and have the identifier to the right of it. As shown in the example on the following page.

**Example:**



**VOR LIST**

A list of VORs from the contiguous 48 states are listed by Name and Identifier in sections 5 and 6 in alphabetical order. These lists are for quick reference only and are not meant for navigation purposes.

Section 5 lists the VORs by Name which will then provide the identifier, frequency and the state it is located in.

**Example:**

<b>NAME</b>	<b>STATE</b>	<b>ID</b>	<b>FREQ</b>
<b>YAKIMA</b>	WA	<b>YKM</b>	116.00
<b>YANKTON</b>	SD	<b>YKN</b>	111.40

Section 6 lists the VORs by Identifier and then provides the state and full name of the VOR.

**Example:**

<b>ID</b>	<b>NAME</b>
<b>ABB</b>	NABB, IN
<b>ABI</b>	ABILENE, TX
<b>ABQ</b>	ALBUQUERQUE, NM

## **Section Two**

### **Flight Plan Form**

<b>FLIGHT PLAN</b>						
1. Type VFR IFR	2. Aircraft Identification	3. Aircraft Type/ Equipment	4. True Airspeed Knots	5. Departure Point	6. Departure Time	7. Cruising Altitude
	8. Route					
9. Destination	10. Est. Time En-route	11. Remarks				
12. Fuel On Board	13. Alternate Airport	14. Pilot's Name, Address, Telephone Number & Home Base			15. Number Aboard	
		17. Destination Contact Telephone Number				
16. Color of Aircraft						

**Section Three**  
**Preferred Routing**

**PREFERRED ROUTING**

<b>FROM</b>	<b>TO</b>	<b>ROUTE</b>
AAO	EGE	ICT CLD FQF
ABE	ACY	ABE V149 MAZIE ARD CYN
ABE	ALB	ETX LHY
ABE	AVP	ABE V93 LVZ
ABE	BDL	FJC V162 HUO
ABE	BWI	ETX V162 DUMMR V93 LRP
ABE	CDW	FJC STW
ABE	CEF	FJC V162 HUO
ABE	EHT	FJC V162 HUO
ABE	EWR	FJC BWZ
ABE	FRG	ETX V30 SBJ
ABE	HFD	FJC V162 HUO
ABE	HZL	ETX WEISS
ABE	ILG	ETX V29 PTW
ABE	IND	ETX J80 KIPPI J80 EMPTY_CLANG ARRIVAL
ABE	LNS	ETX V39 LNS
ABE	MDT	ETX V162 HAR
ABE	PHL	FJC V149 MAZIE
ABE	PIT	ETX V30 SEG
ABE	PNE	FJC V149 MAZIE ARD
ABE	POU	FJC V162 HUO
ABE	RDG	ETX V39 FLOAT RDG

ABE	RIC	LRP BAL V93 PXT V16 RIC
ABE	ROC	ETX V164 FQM
ABE	SWF	FJC V162 HUO
ABI	LAX	CNX SJN J231 DRK J96 PSP CIVET_CIVET ARRIVAL
ABQ	APA	ALS_LARKS ARRIVAL
ABQ	ASE	ALS ELWAY GUILT DBL
ABQ	BWI	LVS J18 SLN J24 MCI J80 VHP ROD APE AIR MGW_EM ARRIVAL
ABQ	DAL	TXO_GREGS ARRIVAL
ABQ	FMN	LARGO DP_FMN
ABQ	LAS	LARGO DP_GUP J72 PGS_LYNSY ARRIVAL
ABQ	LBB	TXO V62 LBB
ABQ	ORD	ABQ J18 GCK J96 IRK_BRADFORD ARRIVAL
ABQ	PHX	LARGO DP_ZUN_BUNTR ARRIVAL
ABQ	RAP	ABQ DP_ALS J13 CYS J17 RAP
ABQ	SAN	SJN J18 IPL_BARET ARRIVAL
ABQ	SNA	LARGO SID_ZUN PSP_KAYOH ARRIVAL
ABQ	SNY	ABQ DP_ALS
ABQ	STL	LVS J19 BUM_TRAKE ARRIVAL
ABQ	VNY	LARGO DP_ZUN J6 PMD_LYNXX ARRIVAL
ABR	MSP	ABR J70 GEP_GEP ARRIVAL
ABY	APF	CTY PIE_ZEILR ARRIVAL
ACK	ACY	ACK V34 SEY HTO V308 BRIGS
ACK	AGC	LFV BOS CTR HNK J217 ETG REC
ACK	ALB	ACK V146 ALB

**PREFERRED ROUTING**

<b>FROM</b>	<b>TO</b>	<b>ROUTE</b>
ACK	AUG	FREDO BOS PSM ENE
ACK	BDL	ACK V146 PVD V405 BDL
ACK	BDR	ACK V146 MVY V374 CREAM
ACK	BED	ACK FREDO
ACK	BGR	ACK FREDO BOS PSM ENE
ACK	BHB	FREDO BOS PSM ENE
ACK	BOS	FREDO
ACK	BTV	ACK V146 PVD V151 GDM V229 BTV
ACK	BUF	ACK V146 ALB V14 BUF
ACK	BWI	ACK V34 SEY HTO V268 BWI
ACK	CGF	LFV BOS J77 SAX J80 AIR V75 RITZS
ACK	CMH	LFV BOS J77 SAX J80 AIR_BREMN ARRIVAL
ACK	CON	FREDO BOS MHT
ACK	DAL	MVY SEY HTO RBV EMI MRB J6 LIT_FINGR ARRIVAL
ACK	DOV	ACK V34 SEY HTO V268 ENO
ACK	DXR	ACK V146 BAF IGN V157 HAARP
ACK	EEN	ACK V146 PVD V151 GDM
ACK	ELM	ACK V146 CTR V270 ELM
ACK	ERI	ACK V146 CTR V270 ERI
ACK	EWR	ACK V146 PVD V167 HFD V229 SEALL V188 SAX
ACK	FOK	ACK V34 SEY V268 HTO
ACK	FRG	ACK V34 SEY V268 HTO V46 DPK

ACK	GON	DIRECT	
ACK	HFD	ACK V58 HFD	
ACK	HPN	ACK V146 PVD V167 HFD V1 MAD V475 BDR RYMES	
ACK	ISP	ACK V146 MUY V374 TMU CCC	
ACK	JFK	ACK V34 SEY V268 HTO V46 DPK	
ACK	LEB	ACK V146 PVD V151 LEB	
ACK	LGA	ACK V146 PVD V167 HFD V1 MAD V475 LGA	
ACK	MDW	LFV BOS MHT CAM SYR J29 DJB J60 GSH_GSH ARRIVAL	
ACK	MHT	FREDO BOS	
ACK	MMU	ACK V146 BAF V292 SAGES V489 COATE	
ACK	ORH	ACK V146 PUT	
ACK	OWD	FREDO	
ACK	PDK	LFV BOS J77 PTW J48 ODF_AWSON ARRIVAL	
ACK	PHL	ACK V34 SEY HTO V308 BRIGS ACY V184 OOD	
ACK	PNE	ACK V34 SEY HTO V308 MANTA V276 ARD	
ACK	PSM	ACK FREDO BOS	
ACK	PVD	ACK V146 PVD	
ACK	PWM	FREDO BOS PSM ENE	
ACK	RIC	ACK V34 SEY HTO V308 CHOPS V16 RIC	
ACK	SWF	ACK V146 PVD V405 BDL V205 TRESA	
ACK	SYR	ACK V146 ALB	
ACK	TEB	ACK V146 BAF V292 SAGES V489 COATE	
ACK	TTN	ACK V34 SEY HTO V308 MANTA V276 RBV	
ACK	UCA	ACK V146 ALB	

**PREFERRED ROUTING**

<b>FROM</b>	<b>TO</b>	<b>ROUTE</b>
ACK	WRI	ACK V34 SEY HTO V308 DRIFT V312 CYN
ACL	TEB	ACK V146 BAF V292 SAGES V489 COATE
ACY	ABE	ACY V1 DIXIE V276 ARD
ACY	ACK	ACY V1 JFK V229 BDR MAD V475 CARLD V188 TMU V58 NEWBE DEEPO
ACY	ADW	ACY V1 ATR V308 OTT
ACY	BDL	ACY V1 JFK V229 BDR JUDDS
ACY	BDR	ACY HOWIE V1 JFK V229 BDR
ACY	BGR	ACY V1 JFK V229 HFD WITNY CLOWW
ACY	BHB	ACY V1 JFK V229 HFD WITNY CLOWW
ACY	BOS	ACY V1 V229 HFD DREEM
ACY	BWI	ACY LEEAH V268 BAL
ACY	CXY	ACY V184 OOD DQO V469 HAR
ACY	DCA	ACY LEEAH V1 ATR V308 OTT
ACY	DOV	ACY LEEAH V268 ENO
ACY	ELM	ACY V268 ENO V29 LVZ V147 ELM
ACY	EWB	ACY V1 JFK V229 BDR MAD V475 CARLD V188 TMU V374 MINNK
ACY	EWR	ACY V229 DIXIE V276 RBV OWBIE
ACY	GON	ACY V1 JFK BDR MAD MONDI
ACY	HFD	ACY V1 JFK V229 HFD
ACY	HPN	ACY V1 DIXIE V276 RBV V249 SAX V39 BREZY
ACY	HXD	ACY V229 LEEAH V1 SBY J79 CHS
ACY	HYA	ACY V1 JFK V229 HFD V167 PVD V151 GAILS

ACY	IAD	LEEAH V268 BAL KROLL AML IAD
ACY	ISP	ACY V1 JFK CCC
ACY	JFK	ACY V1 JFK
ACY	LAN	LEEAH V268 ENO V29 DQO YNG CXR
ACY	LGA	ACY V1 DIXIE V276 RBV V123 NANCI
ACY	LNS	ACY V184 OOD DQO LRP
ACY	MDT	ACY V184 OOD DQO V469 MDT
ACY	MHT	ACY V1 JFK V229 HFD WITNY CLOWW
ACY	MMK	ACY V1 JFK V229 BDR MAD
ACY	MTH	LEEAH V1 SBY ORF J121 MILIE J103 OMN J79 DHP
ACY	MVY	ACY V1 JFK V229 BDR MAD V475 CARLD V188 TMU V374 MVY
ACY	OQU	ACY V1 JFK V229 BDR MAD V475 CARLD V188 TMU
ACY	ORD	ENO V29 DQO PENSY J110 J518 DJB_OXI ARRIVAL
ACY	ORH	ACY V1 JFK V229 HFD V1 GRAYM
ACY	PNE	ACY V229 DIXIE V276 ARD PNE
ACY	PVC	ACY V1 JFK V229 HFD V167 PVD V151 GAILS PVC
ACY	PVD	ACY V1 JFK V229 BDR MAD V475 CARLD V188 TMU PVD
ACY	PWM	ACY V1 JFK V229 HFD WITNY CLOWW PWM
ACY	RDG	ACY V184 OOD DQO MXE HUMEL RDG
ACY	SBY	ACY V1 SBY
ACY	SWL	ACY SIE V139 SWL
ACY	TAN	ACY V1 JFK V229 BDR MAD V475 CARLD V188 TMU V374 MINNK
ACY	TEB	ACY V229 PANZE V184 ZIGGI V276 RBV V249 METRO
ACY	WRI	ACY SIE V139 HARBO

**PREFERRED ROUTING**

<b>FROM</b>	<b>TO</b>	<b>ROUTE</b>
ADS	APA	TEX DP_ROLLS J52 LAA_QUAIL ARRIVAL
ADS	ASE	SPS J168 LLA DBL
ADS	ATL	TXK J52 ATL
ADS	AUS	JPOOL DP_WINDU_BLEWE ARRIVAL
ADS	BCT	CQY AEX J50 CEW J2 SZW J73 LAL
ADS	BOS	BACH DP_LIT J131 PXV J29 JHW J82 ALB_GDM ARRIVAL
ADS	BWI	TXK J42 BKW J147 CSN_NOTTINGHAM ARRIVAL
ADS	CAK	DALL DP_LIT J131 PXV J29 ROD
ADS	CHS	EIC J20 MGM J40 CHS
ADS	CLT	DALL DP_SQS J52 ATL_UNARM ARRIVAL
ADS	DTW	TTT LIT J131 PXV VHP FWA_MIZAR ARRIVAL
ADS	ELP	WORTH DP_ABI J4 INK LINZY ELP
ADS	FTY	TXK J52 ATL
ADS	HOU	JPOOL DP_CLL_CUGAR ARRIVAL
ADS	IAD	TXK J42 BKW_JASEN ARRIVAL
ADS	ICT	ADM TUL
ADS	JAX	EIC J20 MGM J20 SZW TAY
ADS	LAS	WORTH DP_TXO J72 PGS_MIROK ARRIVAL
ADS	LAX	WORTH DP_CNX J74 PKE J4 TNP_BASET ARRIVAL
ADS	LEX	DALL DP_TXK J42 MEM
ADS	LIT	TXL J131 LIT
ADS	MCO	DALL DP_SWB MCB J50 CEW J2 SZW OTK_LEESE ARRIVAL