Windsor/Toronto/Montreal Northeast United States Airspace Modernization and Redesign

ROUTE TRANSITION HANDBOOK

Implementation November 13, 2014

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Change Summary:

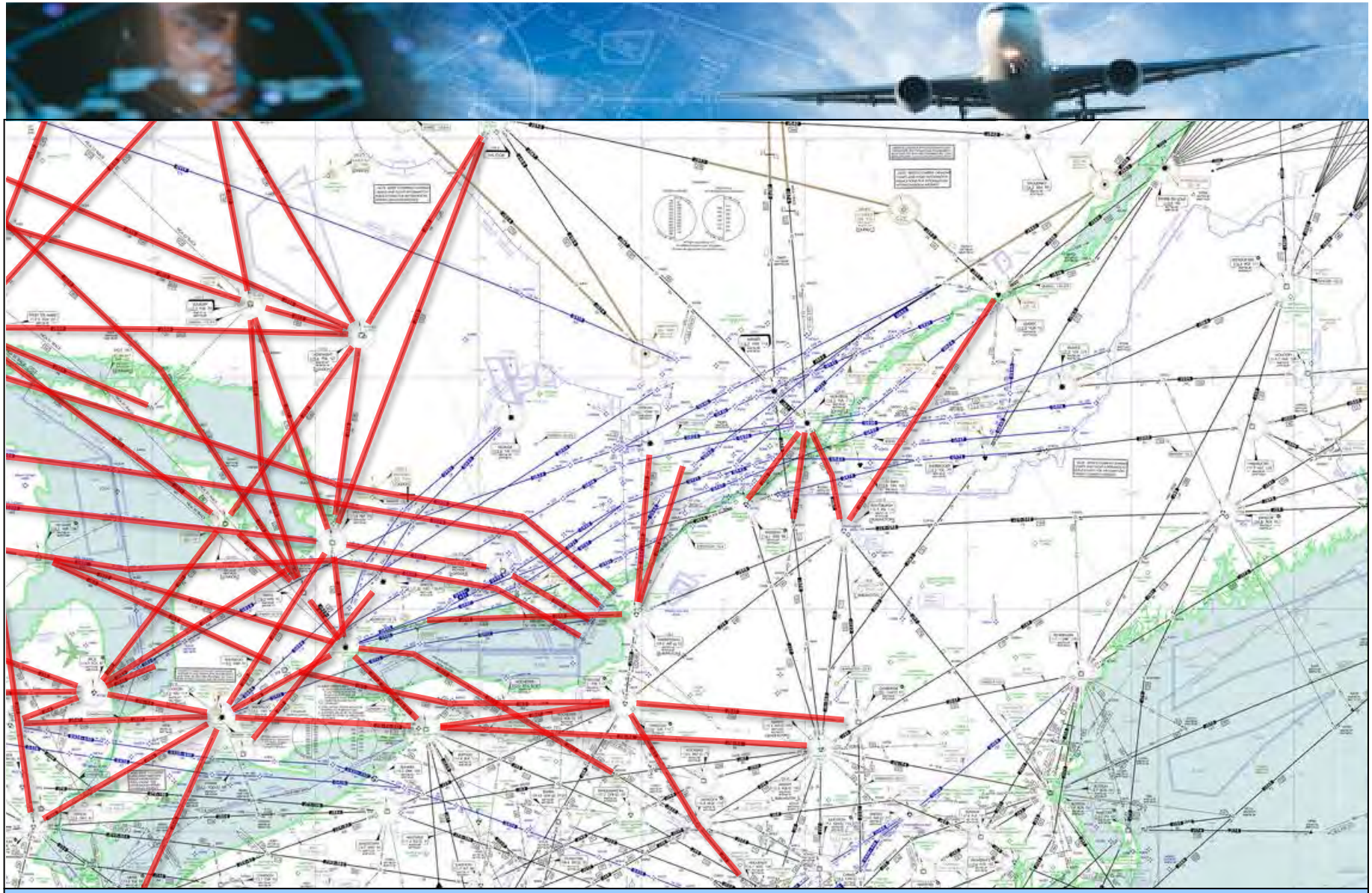
Effective November 13th, 2014

- ECK decommissioned
- ARTCC "Jet" Airway deletions within:
  - Toronto
  - Moncton
  - Boston
  - Cleveland
  - Indianapolis
  - Memphis
  - Minneapolis
  - Washington
- Transition to 'Q' Route network for enroute Navigation
- Associated changes to RNAV SID & STAR procedures at:
  - CYYZ, KBOS, KBED, KBWI, KORD

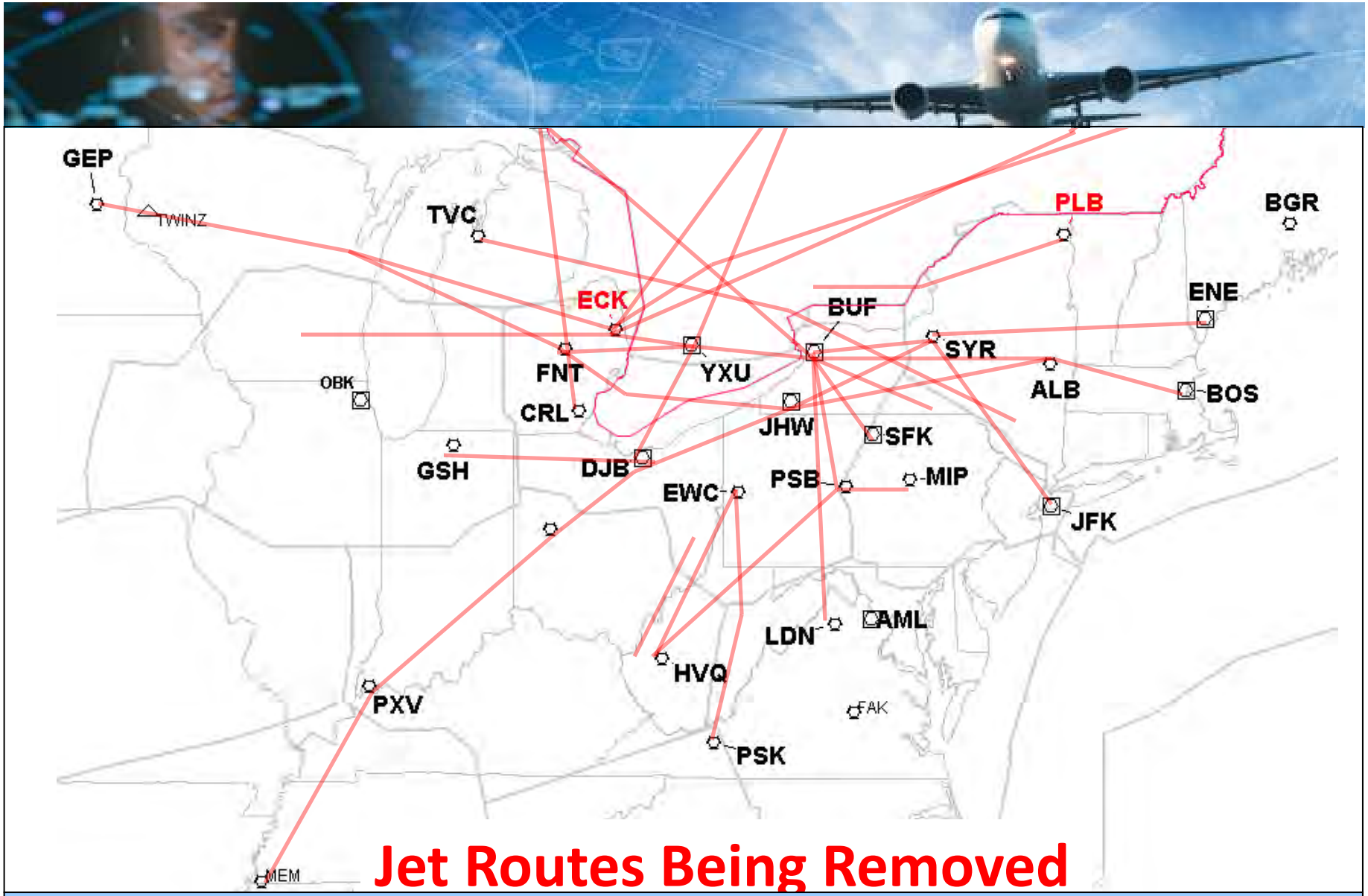
Project Implementation :

- Wed, October 8th — Customer Presentation at KDTW.
- Wed, October 15th — PBN hosted TELECON for affected FAA Facilities.
- Thu, October 16th — Customer Presentation at CYYZ.
- Wed, November 12th — ATSCC advisories published, SPT participation.
- Thu, November 13th — Implementation, Hotline available for routing questions and concerns.

- Automation testing is ongoing at William J Hughes Technical Centre, NAV CANADA Technical Services Centre and local sites

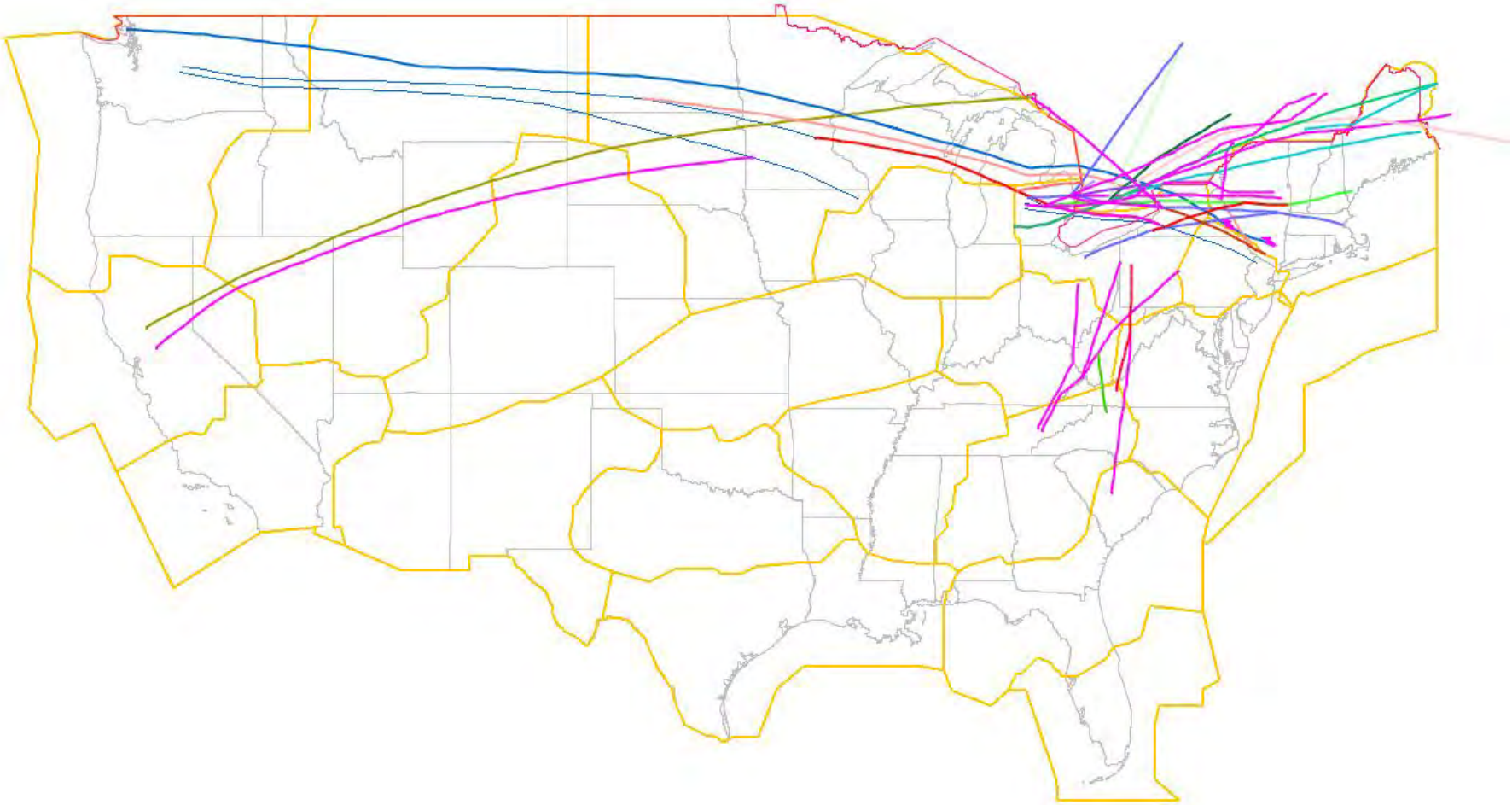


Deletions

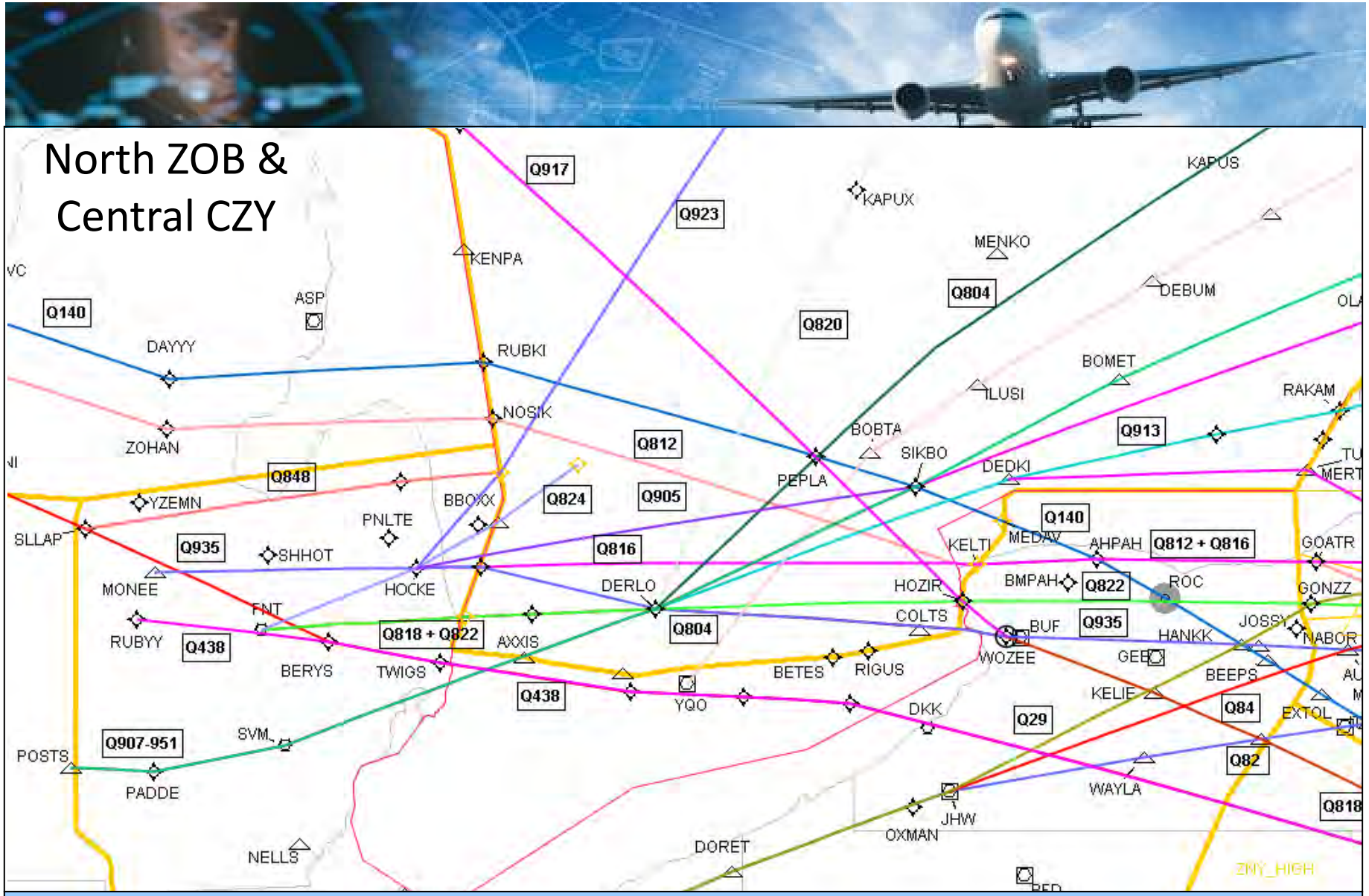


Jet Routes Being Removed

Deletions

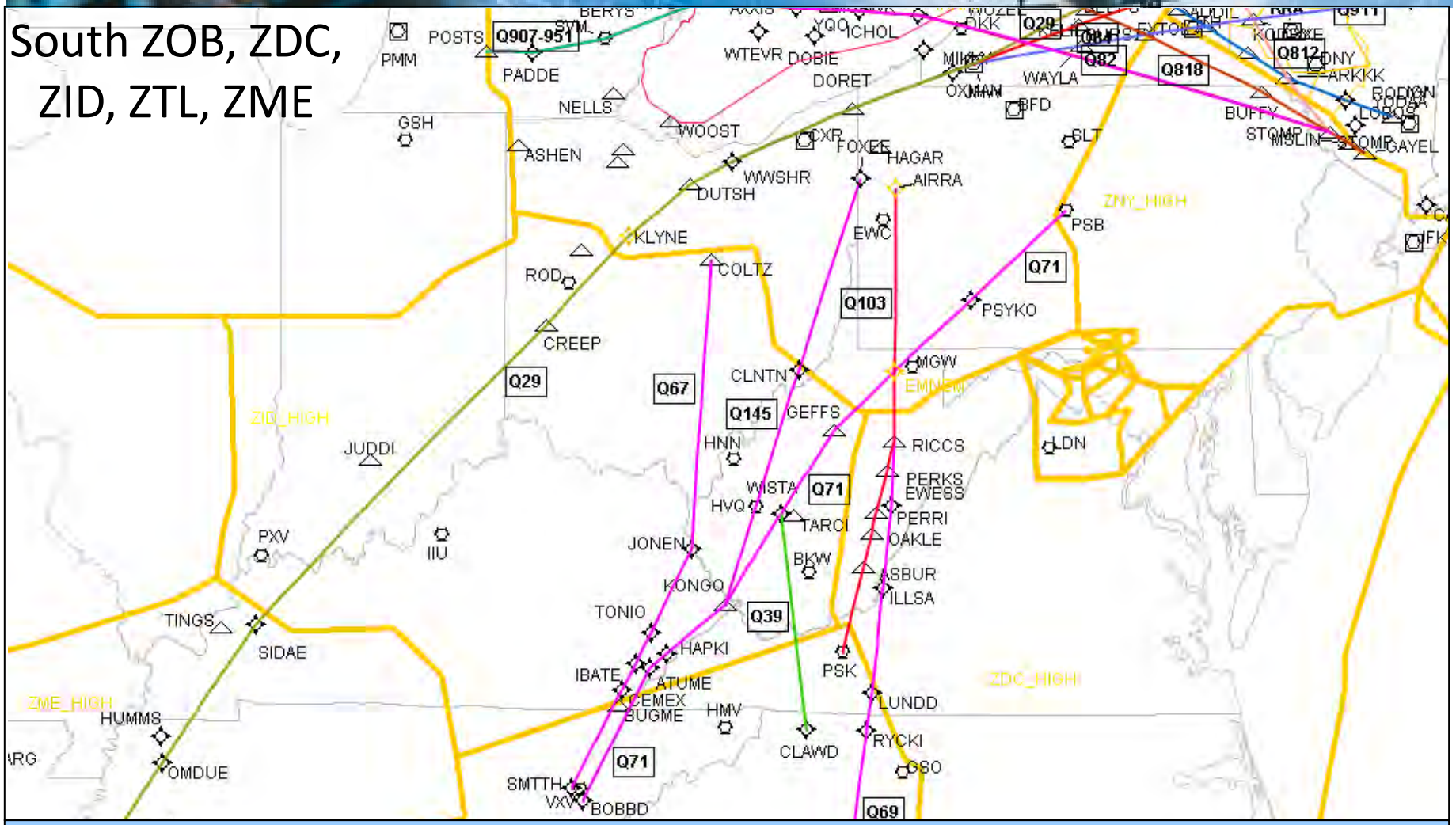


Q Routes

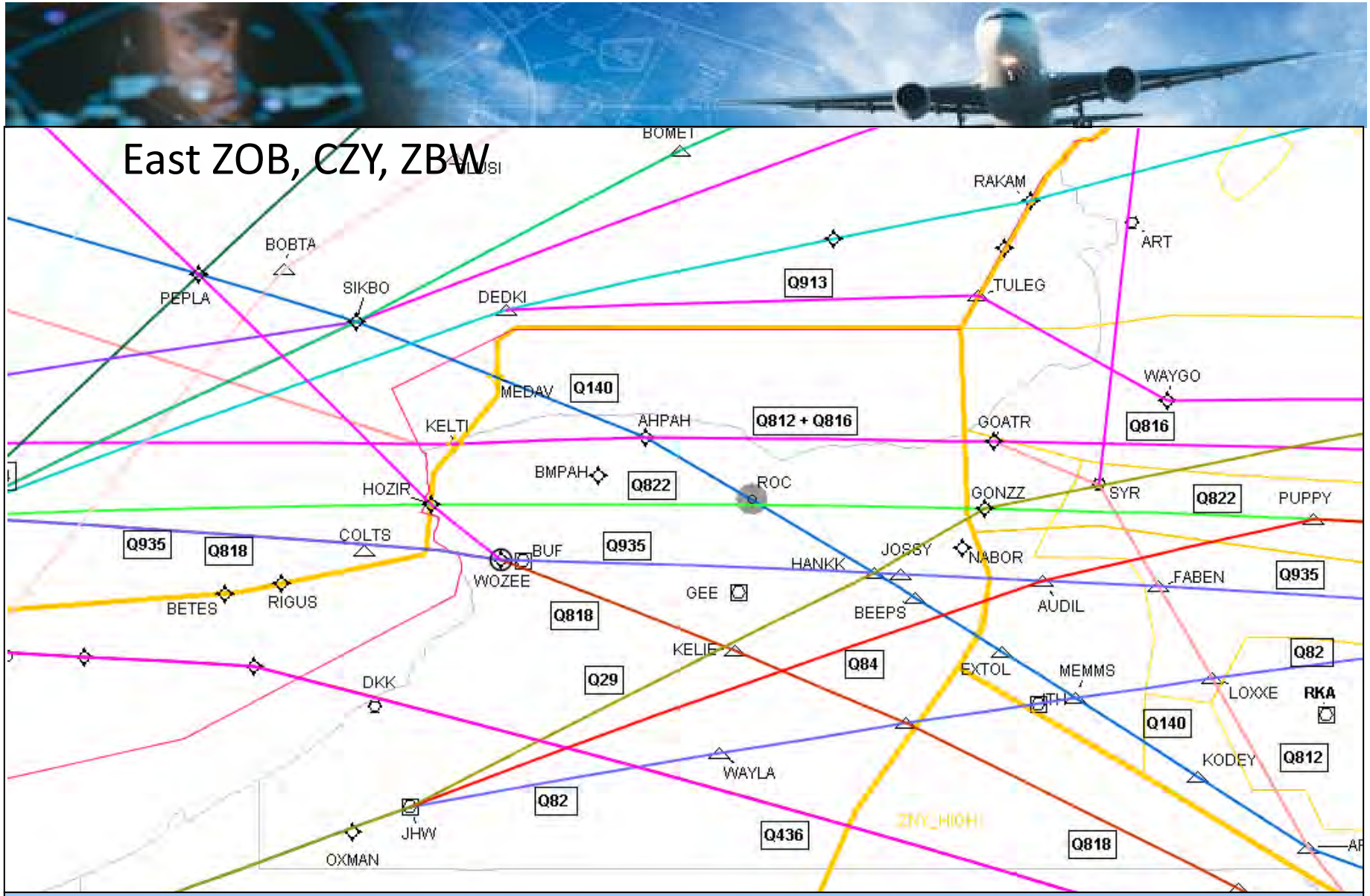

North ZOB &
Central CZY
Q917
Q923
KAPUX
KAPUS
MENKO
KENPA
VC
ASP
Q140
Q804
DEBUM
Q820
DAYYY
RUBKI
BOMET
ILUSI
RAKAM
NOSIK
ZOHAN
Q812
BOBTA
SIKBO
Q913
Q848
DEDKI
PEPLA
YZEMN
BBOXX
Q824
Q905
PNLTE
Q140
SLLAP
Q935
SHHOT
Q816
KELTI
MEDAV
AHPAH
Q812 + Q816
GOATR
MONEE
HOCKE
DERLO
HOZIR
BMPAH
Q822
ROC
GONZZ
FNT
COLTS
BUF
Q935
JOSSY
RUBYY
Q438
Q818 + Q822
AXXIS
Q804
HANKK
NABOR
BERYS
TWIGS
WOZEE
GEB
BETES
RIGUS
BEEPS
Q438
YQO
KELIE
Q84
EXTOL
DKK
Q29
SVM
Q907-951
POSTS
Q82
PADDE
WAYLA
JHW
Q818
OXMAN
NELLS
DORET
ZNY_HIGH

Q Routes

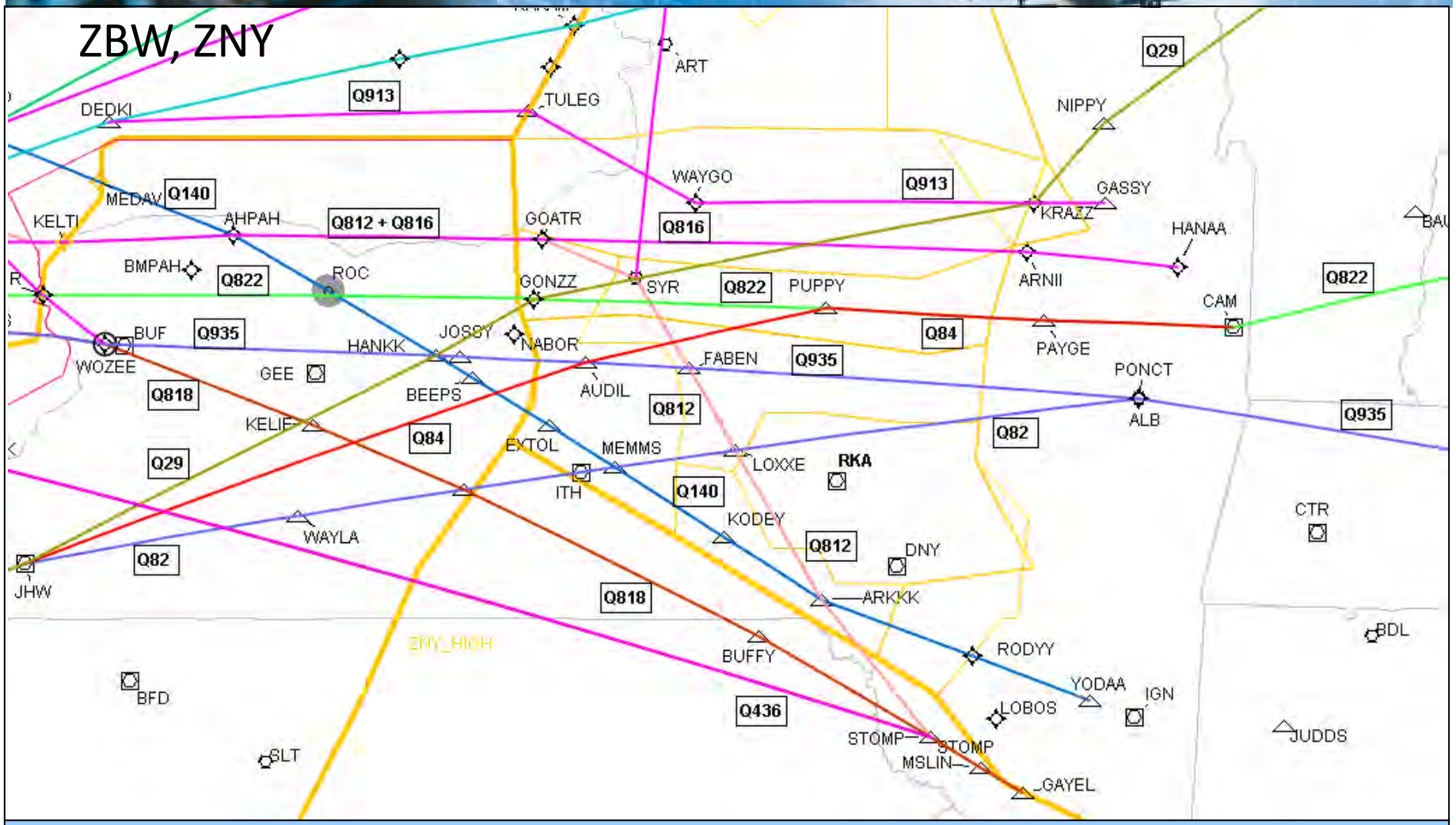
South ZOB, ZDC, ZID, ZTL, ZME



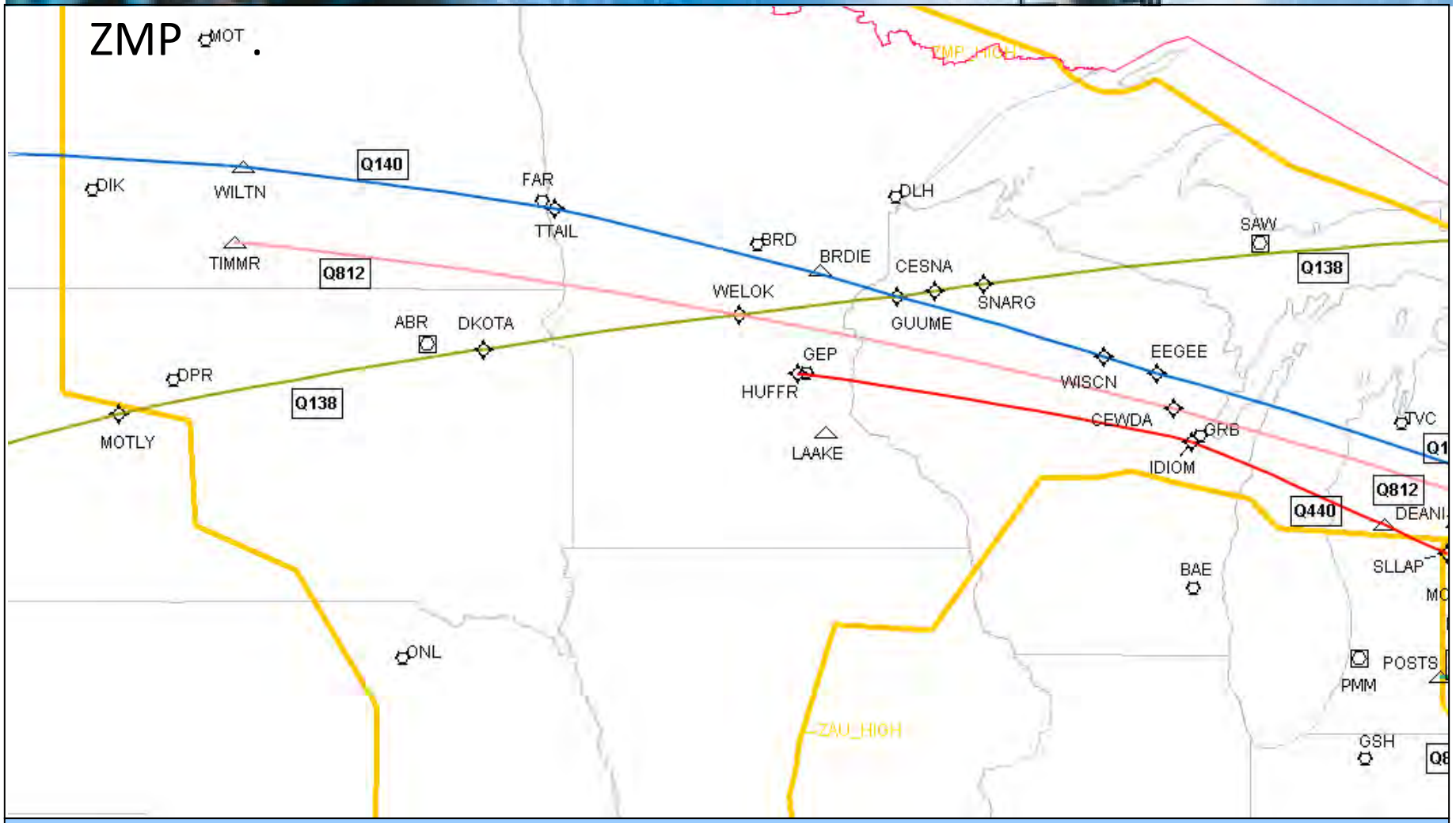
Q Routes


East ZOB, CZY, ZBW
BOMET
RAKAM
ART
BOBTA
PEPLA
SIKBO
DEDKI
Q913
TULEG
WAYGO
MEDAV
Q140
KELTI
AHPAH
Q812 + Q816
GOATR
Q816
BMPAH
Q822
ROC
HOZIR
GONZZ
SYR
Q822
PUPPY
Q935
Q818
COLTS
BUF
Q935
HANKK
JOSSY
NABOR
WOZEE
FABEN
Q935
BETES
RIGUS
GEE
AUDIL
Q818
BEEPS
KELIF
Q82
Q84
EXTOL
MEMMS
DKK
Q29
LOXXE
RKA
Q140
KODEY
Q812
WAYLA
Q82
JHW
Q436
ZNY_HIGH
Q818
OXMAN

Q Routes

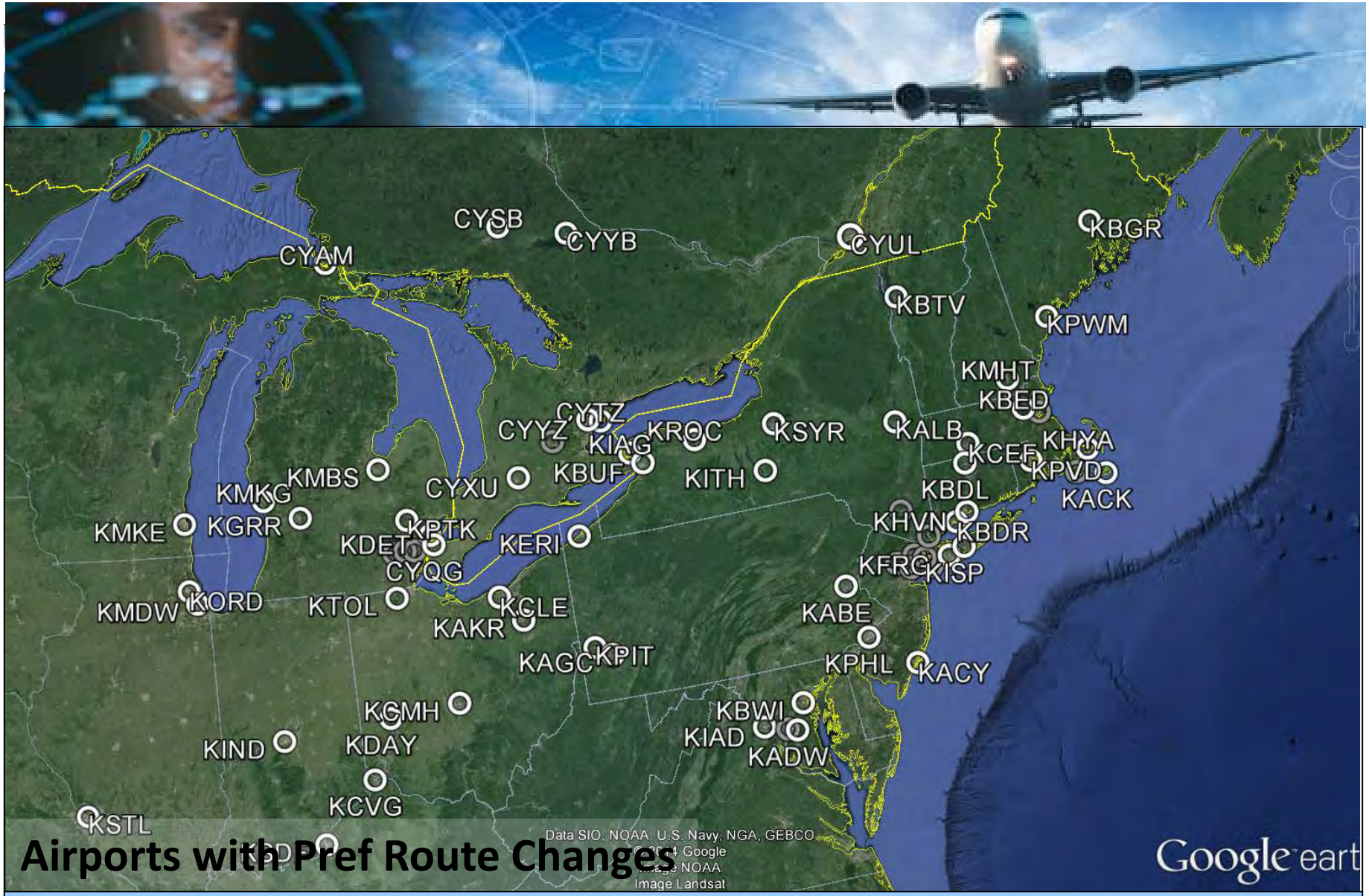

ZBW, ZNY
Q913
DEDKI
TULEG
ART
Q29
NIPPY
WAYGO
Q913
GASSY
MEDAV
Q140
KELTI
AHPAH
Q812 + Q816
GOATR
Q816
KRAZZ
HANAA
BMPAH
Q822
ROC
GONZZ
SYR
Q822
PUPPY
ARNII
Q822
CAM
BUF
Q935
HANKK
JOSSY
NABOR
Q84
PAYGE
WOZEE
GEE
FABEN
Q935
PONCT
Q818
BEEPS
AUDIL
Q812
ALB
Q935
KELIF
Q84
EXTOL
MEMMS
Q82
Q29
LOXXE
RKA
ITH
Q140
CTR
KODEY
WAYLA
Q812
DNY
Q82
JHW
Q818
ARKKK
BDL
ZMY_HIGH
BUFFY
RODYY
BFD
YODAA
IGN
Q436
LOBOS
JUDDS
STOMP
STOMP
SLT
MSLIN
GAYEL

Q Routes


ZMP
MOT
ZMP_HIGH
Q140
DIK
WILTN
FAR
TTAIL
DLH
SAW
TIMMR
Q812
BRD
BRDIE
CESNA
Q138
WELOK
SNARG
GUUME
ABR
DKOTA
GEP
EEGEE
DPR
HUFFR
WISCN
Q138
CEWDA
TVC
MOTLY
LAAKE
GRB
IDIOM
Q812
Q440
DEANI
BAE
SLLAP
ONL
POSTS
PMM
ZAU_HIGH
GSH

Q Routes

Airports with Pref Route Changes



Airports with Pref Route Changes

Legend:

Pref Route Worksheets

▲ 240	Route applicable ‘up to’ FL240
190 ▲	Route applicable FL190 ‘& above’
RNAV (ONLY)	Requires DME/DME/IRU or GPS
CONV	Non-RNAV equipped aircraft only
DDI or GNSS	Requires DME/DME/IRU or GPS

PREFERRED IFR ROUTES

ROUTE DATA

Orig	Dest	Rt Type	Area	Route String	Aircraft
ABE	CVG	H		ABE ETX SEG PSB KODIE CTW TIGRR2 CVG	RNAV ONLY
ALB	BOS	L		ALB TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
ALB	CVG	H		ALB PAYGE Q822 GONZZ JOSSY MAULL KODIE CTW TIGGR2 (RNAV)-STAR CVG	DME/DME/IRU or GNSS required
ALB	DTW	H		ALB ARNII Q816 GOATR BUF SPICA2 DTW	DME/DME/IRU or GNSS required
ALB	ORD	H		ALB PAYGE Q822 FNT WYNDE5 (RNAV)-STAR ORD	DME/DME/IRU or GNSS required
ATL	BOS	H		ATL EATWO GRD J209 RDU J207 FKN J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
ATL	DTW	H		ATL SUMMT7 VXV J91 TONIO Q67 COLTZ WEEDA2 DTW	
BDL	ARB	H		BDL CTR CAM ARNII Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 ARB	DME/DME/IRU or GNSS required
BDL	DEN	H		BDL CTR CAM ARNII Q816 HOCKE FNT J94 ONL ANCHR2 (RNAV)-STAR DEN	DME/DME/IRU or GNSS required
BDL	DET	H	Detroit Satellites	BDL CTR CAM ARNII Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 DET	DME/DME/IRU or GNSS required
BDL	DTW	H		BDL CTR CAM ARNII Q816 GOATR BUF SPICA2 DTW	DME/DME/IRU or GNSS required
BDL	MDW	H		BDL CTR CAM Q822 GONZZ Q29 JHW DJB J60 ASHEN BAGEL PANGG2 (RNAV)-STAR MDW	DME/DME/IRU or GNSS required
BDL	MSP	H		BDL CTR CAM ARNII Q816 KELTI Q812 ZOHAN GRB EAU9 MSP	DME/DME/IRU or GNSS required
BDL	ORD	H		BDL CTR CAM Q822 FNT WYNDE5 (RNAV)-STAR ORD	DME/DME/IRU or GNSS required
BDL	PTK	H	Detroit Satellites	BDL CTR CAM ARNII Q816 GOATR COLTS BOREK LOPVO AXXIS SWWAN2 PTK	DME/DME/IRU or GNSS required
BDL	YIP	H	Detroit Satellites	BDL CTR CAM ARNII Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 YIP	DME/DME/IRU or GNSS required
BDL	YQG	H	Detroit Satellites	BDL CTR CAM ARNII Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 YQG	DME/DME/IRU or GNSS required
BDR	DTW	H		BDR GAYEL J95 CFB TRAAD KOOPR YQO SPICA2 DTW	
BDR	YUL	H		BDR GREKI JUDDS CAM LATTS CARTR (RNAV)-STAR YUL	DME/DME/IRU or GNSS required
BGR	CVG	H		BGR GONZZ JOSSY MAULL KODIE CTW TIGRR2 (RNAV)-STAR CVG	DME/DME/IRU or GNSS required
BGR	DTW	H		BGR GOATR BUF SPICA2 DTW	DME/DME/IRU or GNSS required
BNA	YYZ	H		BNA J39 ROD QWERI NUBER-STAR YYZ	
BOS	ARB	H	Detroit Satellites	BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 ARB	Turbojets Only: DDI or GNSS REQ
BOS	CLE	H		BOS HYLND3 (RNAV)-DP HYLND CAM Q822 GONZZ JOSSY HAGAR CXR CXR3-STAR CLE	Turbojets Only: DDI or GNSS REQ
BOS	DEN	H		BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 HOCKE FNT J94 ONL ANCHR2 (RNAV)-STAR DEN	Turbojets Only: DDI or GNSS REQ
BOS	DET	H	Detroit Satellites	BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 DET	Turbojets Only: DDI or GNSS REQ
BOS	DTW	H		BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 GOATR BUF SPICA2-STAR DTW	Turbojets Only: DDI or GNSS REQ
BOS	LAS	H		BOS HYLND3 (RNAV)-DP HYLND CAM Q822 GONZZ Q29 KLYNE FYLLS J110 RSK J64 PGS TYSSN3 LAS	Turbojets Only: DDI or GNSS REQ
BOS	LAX	H		BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 HOCKE GRB ODI FSD J114 DVV J60 HEC RIIVR2 LAX	Turbojets Only: DDI or GNSS REQ
BOS	MDW	H		BOS HYLND3 (RNAV)-DP HYLND CAM Q822 GONZZ Q29 JHW DJB J60 ASHEN BAGEL PANGG2 (RNAV)-STAR MDW	Turbojets Only: DDI or GNSS REQ
BOS	MKE	H		BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 HOCKE MKG V2 SUDDS MKE	Turbojets Only: DDI or GNSS REQ
BOS	MSP	H		BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 KELTI Q812 ZOHAN GRB EAU9 MSP	Turbojets Only: DDI or GNSS REQ
BOS	ORD	H		BOS HYLND3 (RNAV)-DP HYLND CAM Q822 FNT WYNDE5 (RNAV)-STAR ORD	Turbojets Only: DDI or GNSS REQ
BOS	PDX	H		BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 HOCKE GRB GEP DPR J16 PDT JKNOX HHOOD2 (RNAV)-STAR PDX	Turbojets Only: DDI or GNSS REQ
BOS	PHX	H		BOS HYLND3 (RNAV)-DP HYLND CAM Q822 GONZZ Q29 KLYNE ROD VHP J110 BUM J19 ZUN EAGUL5 (RNAV)-STAR PHX	Turbojets Only: DDI or GNSS REQ
BOS	PTK	H	Detroit Satellites	BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 GOATR COLTS BOREK LOPVO AXXIS SWWAN2 PTK	Turbojets Only: DDI or GNSS REQ
BOS	SEA	H		BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 HOCKE GRB GEP ABR J90 HLN J136 MLP GLASR9 SEA	Turbojets Only: DDI or GNSS REQ
BOS	SFO	H		BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 HOCKE GRB GEP ABR J32 FMG GOLDN6 SFO	Turbojets Only: DDI or GNSS REQ
BOS	SLC	H		BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 HOCKE BAE DBQ J94 OCS NORDK3 (RNAV)-STAR SLC	Turbojets Only: DDI or GNSS REQ
BOS	YIP	H	Detroit Satellites	BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 YIP	Turbojets Only: DDI or GNSS REQ
BOS	YQG	H	Detroit Satellites	BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 YQG	Turbojets Only: DDI or GNSS REQ
BOS	YUL	H		BOS HYLND (RNAV)-DP HYLND LATTS CARTR (RNAV)-STAR YUL	DME/DME/IRU or GNSS required
BOS	YYZ	H		BOS HYLND3 (RNAV)-DP HYLND CAM Q822 GONZZ WOZEE LINNG (RNAV)-STAR CYYZ	Turbojets Only: DDI or GNSS REQ
BTV	CVG	H		BTV GONZZ JOSSY MAULL KODIE CTW TIGRR2 (RNAV)-STAR CVG	Turbojets Only: DDI or GNSS REQ
BTV	DTW	H		BTV GOATR BUF SPICA2 DTW	Turbojets Only: DDI or GNSS REQ
BTV	ORD	H		BTV ALVID DEDKI HOCKE FNT WYNDE5 ORD	Turbojets Only: DDI or GNSS REQ
BUF	ARB	H	DETROIT SATELLITE	BUF COLTS BOREK LOPVO AXXIS GOHMA3 ARB	RNAV ONLY
BUF	BOS	L		BUF V252 GEE PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
BUF	CVG	H		BUF BUF JHW KODIE CTW CINCE7 CVG	
BUF	CVG	H		BUF BUF JHW KODIE CTW TIGRR2 CVG	RNAV ONLY
BUF	DET	H	DETROIT SATELLITE	BUF COLTS BOREK LOPVO AXXIS GOHMA3 DET	RNAV ONLY
BUF	EWR	H		BUF V14 BEEPS Q140 KODEY HNK FLOSI3 (RNAV)-STAR EWR	DME/DME/IRU or GNSS required
BUF	LGA	H		BUF NABOR RKA NOBBI5 LGA	DME/DME/IRU or GNSS required
BUF	MDW	L		BUF BIMRO T608 HOCKE LAN V218 ELX V55 GIJ V156 V92 CGT MDW	RNAV ONLY
BUF	ORD	L		BUF BIMRO T608 HOCKE PAPPI ORD	RNAV ONLY

PREFERRED IFR ROUTES

ROUTE DATA

Orig	Dest	Rt Type	Area	Route String	Aircraft
BWI	BOS	H	FROM WASH- INGTON/ BALTIMORE METRO AREA	BWI SWANN V268 BROSS J42 RBV J222 JFK ROBUC1 (RNAV)-STAR BOS	Turbojets Only: DDI or GNSS REQ
BWI	BUF	H	WASHINTON/BALTIMORE METRO AREA	BWI JERES J220 SFK BUF	
CLE	BOS	H	Cle Metro Area (CLE CGF BKL LNN LPR)	CLE FAILS ERI JHW Q82 PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
CLE	BWI	H	CLE METRO AREA (CLE CGF BKL LNN LPR)	CLE ACO NUSMM ANTHM1 BWI	RNAV ONLY
CLE	CLT	H	CLE METRO AREA CGF BKL LNN LPR	CLE DJB HERAK APE HVQ HMV JOHNS3 CLT	RNAV ONLY
CLE	MDW	H	CLEVELAND METRO AREA: (CLE,CGF,BKL,LNN,LPR)	CLE AMRST3 VWV BAGEL PANGG1 MDW	RNAV ONLY
CLT	BOS	H		CLT MERIL RDU J207 FKN J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
DCA	BOS	H	FROM WASH- INGTON/ BALTIMORE METRO AREA	DCA SWANN V268 BROSS J42 RBV J222 JFK ROBUC1 (RNAV)-STAR BOS	Turbojets Only: DDI or GNSS REQ
DCA	BUF	H	WASHINTON/BALTIMORE METRO AREA	DCA JERES J220 SFK BUF	
DFW	BOS	H		DFW FROCK1 FORCK SQS J52 ATL GRD J209 RDU J207 FKN J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
DFW	BOS	H		DFW ZACHH1 BSKAT J131 PXV KLYNE Q29 JHW Q82 PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
DFW	PIT	H		DFW ZACHH1 BSKAT LIT J131 PXV HNN FEWGA2 PIT	
DSD	BOS	H	DOMINICAN REPUBLIC TERMINALS: (MDSD, MDPC, MDLR, MDST, MDPP, MDJB, MDCT)	MDSD BESAS L464 CERDA L451 OLDEY AR3 CLB ILM KEMPR SBY J79 JFK ROBUC1 (RNAV)-STAR BOS	
DSD	BOS	H	DOMINICAN REPUBLIC TERMINALS: (MDSD, MDPC, MDLR, MDST, MDPP, MDJB, MDCT)	MDSD BESAS L464 CERDA LNHOM L452 OXANA AR8 ECG SBY J79 JFK ROBUC1 (RNAV)-STAR BOS	
DSD	BOS	H	DOMINICAN REPUBLIC TERMINALS: (MDSD, MDPC, MDLR, MDST, MDPP, MDJB, MDCT)	MDSD BESAS L464 LAMER L453 AZEZU BERGH L454 JFK ROBUC1 (RNAV)-STAR BOS	
DSD	BOS	H	DOMINICAN REPUBLIC TERMINALS: (MDSD, MDPC, MDLR, MDST, MDPP, MDJB, MDCT)	MDSD JUELE L463 NUCAR AR3 CLB ILM KEMPR SBY J79 JFK ROBUC1 (RNAV)-STAR BOS	
DSD	YYZ	H	DOMINICAN REPUBLIC TERMINALS: (MDSD, MDPC, MDLR, MDST, MDPP, MDJB, MDCT)	MDSD BESAS L464 CERDA L451 OLDEY AR3 CLB ILM LDN WOZEE LINNG (RNAV) STAR CYYZ	
DSD	YYZ	H	DOMINICAN REPUBLIC TERMINALS: (MDSD, MDPC, MDLR, MDST, MDPP, MDJB, MDCT)	MDSD BESAS L464 LAMER L453 AZEZU BERGH L454 JFK CFB WOZEE LINNG STAR CYYZ	
DSD	YYZ	H	DOMINICAN REPUBLIC TERMINALS: (MDSD, MDPC, MDLR, MDST, MDPP, MDJB, MDCT)	MDSD JUELE L463 NUCAR AR3 CLB ILM LDN WOZEE LINNG (RNAV)-STAR CYYZ	
DTW	BOS	H	Detroit Metro area	DTW MOONN4 JHW Q82 PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
DTW	BWI	H	DETROIT SATELLITES, (DET, YQG, PTK, YIP AND ARB)	DTW ACO3 ACO NUSMM ANTHM1 BWI	RNAV ONLY
DTW	MHT	H	DETROIT SATELLITES, (DET, YQG, PTK, YIP AND ARB)	DTW MOONN4 JHW Q82 PONCT EEN MHT	DME/DME/IRU or GNSS required
DTW	MSP	H		DTW LAYNE DIRKS GRB EAU9 MSP	RNAV ONLY
DTW	PVD	H	DETROIT SATELLITES, (DET, YQG, PTK, YIP AND ARB)	DTW MOONN4 JHW Q82 MEMMS HINGZ WIPOR2 PVD	DME/DME/IRU or GNSS required
DTW	PWM	H	DETROIT SATELLITES, (DET, YQG, PTK, YIP AND ARB)	DTW MOONN4 JHW Q82 PONCT CAM CDOGG2 PWM	DME/DME/IRU or GNSS required
EWC	ZJX	H	TFC OVERFLYING ZDC SBND ORIGINATING NORTH OF ZDC AND LANDING SOUTH OF ZDC	AIRRA Q103 PSK CAE ZJX	TURBOJET
EWR	AGC	H	AND NEWARK SATELLITES	EWR NEWEL J60 PSB HAYNZ3 AGC	RNAV EQUIPPED ONLY
EWR	AGC	H	AND NEWARK SATELLITES	EWR ZIMMZ Q42 MIKYG Q480 VINSE DEMME1 AGC	RNAV EQUIPPED ONLY
EWR	BOS	L		EWR MERIT ROBUC1 (RNAV)-STAR BOS	TURBOJET: DME/DME/IRU or
EWR	DTW	H		EWR GAYEL J95 CFB TRAAD KOOPR YQO SPICA2 DTW	
EWR	IND	H	AND NEWARK SATELLITES	EWR NEWEL J60 DANNR RAV J64 CASIO ROD CLANG5 IND	RNAV AOB FL250 NON-RNAV
EWR	LAX	H		EWR NEWEL J60 DANNR RAV J64 CASIO FYLLS J80 MCI J24 SLN J102 ALS J44 RSK J64 PGS DOWNE4 LAX	NON-RNAV EQUIPPED ONLY
EWR	MDW	H		EWR NEWEL J60 ASHEN BAGEL PANGG2 MDW	
EWR	MKC	H		EWR NEWEL J60 DANNR RAV J64 CASIO FYLLS J80 SPI BQS4 MKC	NON-RNAV EQUIPPED ONLY
EWR	MKE	H	AND NEWARK SATELLITES	EWR COATE Q436 RAAKK Q438 RUBYY MKG V2 SUDDS MKE	RNAV EQUIPPED ONLY
EWR	MSP	H		EWR GAYEL Q818 WOZEE NOSIK Q812 ZOHAN GRB EAU9 MSP	DME/DME/IRU or GNSS required
EWR	PHX	H		EWR NEWEL J60 DANNR RAV J64 CASIO FYLLS J110 STL J19 ZUN BUNTR2 PHX	NON-RNAV EQUIPPED ONLY
EWR	SFO	H		EWR GAYEL Q818 WOZEE Q935 HOCKE GRB GEP ABR J32 FMG GOLDN6 SFO	DME/DME/IRU or GNSS required
EWR	SLC	H	AND NEWARK SATELLITES	EWR GAYEL Q818 WOZEE Q935 HOCKE BAE DBQ J94 OCS NORDK3 SLC	DME/DME/IRU or GNSS required
EWR	STL	H		EWR NEWEL J60 DANNR RAV J64 CASIO FYLLS J80 VHP VLA8 STL	NON-RNAV EQUIPPED ONLY
EWR	YUL	L		EWR BDR V91 BOWAN V487 BTV LATTS CARTR STAR YUL	
EWR	YUL	H		EWR GREKI JUDDS CAM LATTS CARTR (RNAV)-STAR YUL	DME/DME/IRU or GNSS required
EWR	YUL	H	from EWR satellites	EWR GREKI JUDDS CAM LATTS CARTR (RNAV)-STAR YUL	DME/DME/IRU or GNSS required
EWR	YYZ	H	AND NEWARK SATELLITES	EWR GAYEL Q818 WOZEE LINNG-STAR YYZ	RNAV EQUIPPED ONLY
EWR	YYZ	L	NEW YORK METRO AREA	EWR COATE LAAYK ULW WOZEE VERKO- STAR YYZ	
EWR	YYZ	H	AND NEWARK SATELLITES	EWR COATE Q436 MTCAF ULW WOZEE VERKO-STAR YYZ	PROPS
FLL	BOS	H	FT LAUDERDALE METRO AREA: FLL, FXE, PMP	FLL ARKES2 ARKES J113 CRG J51 SAV J55 CHS J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
FLL	BOS	H	FT LAUDERDALE METRO AREA: FLL, FXE, PMP	FLL ARKES2 ARKES ORL J53 CRG J51 SAV J55 CHS J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
FLL	BOS	H	FT LAUDERDALE METRO AREA: FLL, FXE, PMP	FLL ZAPPA2 ZAPPA PERMT AR16 ILM KEMPR SBY J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
FLL	DTW	H	FT LAUDERDALE METRO AREA: FLL. FXE. PMP	FLL ARKES J113 CRG J53 SPA JONEN Q67 COLTZ WEEDA2 DTW	ALL OTHERS
FLL	DTW	H	FT LAUDERDALE METRO AREA: FLL. FXE. PMP	FLL ARKES ORL J53 CRG J53 SPA JONEN Q67 COLTZ WEEDA2 DTW	ALL OTHERS
FLL	DTW	H	FT LAUDERDALE METRO AREA: FLL. FXE. PMP	FLL ARKES2 ARKES J113 CRG J53 SPA JONEN Q67 COLTZ WEEDA2 DTW	GPS OR DME/DME/IRU
FLL	DTW	H	FT LAUDERDALE METRO AREA: FLL. FXE. PMP	FLL ARKES2 ARKES ORL J53 CRG J53 SPA JONEN Q67 COLTZ WEEDA2 DTW	GPS OR DME/DME/IRU
FLL	YYZ	H	FT LAUDERDALE METRO AREA: FLL. FXE. PMP	FLL ARKES J113 CRG J51 CAE RYCKI Q69 RICCS OXMAN LINNG-STAR YYZ	ALL OTHERS
FLL	YYZ	H	FT LAUDERDALE METRO AREA: FLL. FXE. PMP	FLL ARKES2 ARKES J113 CRG J51 CAE RYCKI Q69 RICCS OXMAN LINNG-STAR YYZ	GPS OR DME/DME/IRU

PREFERRED IFR ROUTES

ROUTE DATA

Orig	Dest	Rt Type	Area	Route String	Aircraft
FLL	YYZ	H	FT LAUDERDALE METRO AREA: FLL. FXE. PMP	FLL ARKES2 ARKES ORL J53 CRG J51 CAE RYCKI Q69 RICCS OXMAN LINNG-STAR YYZ	GPS OR DME/DME/IRU
FLL	YYZ	H	FT LAUDERDALE METRO AREA: FLL. FXE. PMP	FLL ZAPPA2 ZAPPA PERMT AR16 ILM LDN WOZEE LINNG-STAR YYZ	GPS OR DME/DME/IRU
GSP	DTW	H		GSP SPA HMV JONEN Q67 COLTZ WEEDA2 DTW	
HOU	BOS	H		HOU ELOCO1 LLA HRV SJI J37 MGM AJFEB GRD J209 RDU J207 FKN J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
HOU	PIT	H		HOU LFK7 LIT J131 PXV ROD BSV JESEY1 PIT	DME/DME/IRU OR GPS
HPN	AGC	H		HPN NEWEL J60 PSB HAYNZ3 AGC	NON-RNAV EQUIPPED ONLY
HPN	AGC	H		HPN ZIMMZ Q42 MIKYG Q480 VINSE DEMME1 AGC	RNAV EQUIPPED ONLY
HPN	BOS	H		HPN MERIT ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
HPN	BOS	L		HPN MERIT ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
HPN	DTW	H		HPN GAYEL J95 CFB TRAAD KOOPR YQO SPICA2 DTW	TURBOJETS
HPN	IND	H		HPN NEWEL J60 DANNR RAV J64 CASIO ROD CLANG5 IND	RNAV AOB FL250 NON-RNAV
HPN	LAX	H		HPN NEWEL J60 DANNR RAV J64 CASIO FYLLS J80 MCI J24 SLN J102 ALS J44 RSK J64 PGS DOWNE4 LAX	NON-RNAV EQUIPPED ONLY
HPN	MDW	H		HPN NEWEL J60 ASHEN BAGEL PANGG2 MDW	
HPN	MKE	H		HPN COATE Q436 RAAKK Q438 RUBYY MKG V2 SUDDS MKE	RNAV EQUIPPED ONLY
HPN	MSP	H		HPN GAYEL Q812 WOZEE NOSIK ZOHAN GRB EAU9 MSP	
HPN	MSP	H		HPN GAYEL Q818 WOZEE NOSIK Q812 ZOHAN GRB EAU9 MSP	DME/DME/IRU or GNSS required
HPN	PHX	H		HPN NEWEL J60 DANNR RAV J64 CASIO FYLLS J110 STL J19 ZUN BUNTR2 PHX	NON-RNAV EQUPPED ONLT
HPN	SLC	H		HPN GAYEL Q818 WOZEE Q935 HOCKE BAE DBQ J94 OCS NORDK3 SLC	
HPN	STL	H		HPN NEWEL J60 DANNR RAV J64 CASIO FYLLS J80 VHP VLA8 STL	NON-RNAV EQUIPPED ONLY
HPN	YUL	H		HPN GREKI JUDDS CAM LATTS CARTR (RNAV)-STAR YUL	DME/DME/IRU or GNSS required
HPN	YUL	L		HPN GREKI V39 SOARS V487 BTV LATTS CARTR STAR YUL	
HPN	YYZ	H		HPN GAYEL Q818 WOZEE LINNG-STAR YYZ	
HPN	YYZ	L		HPN COATE LAAYK ULW WOZEE LINNG-STAR YYZ	
HVN	YUL	H		HVN GREKI JUDDS CAM LATTS CARTR (RNAV)-STAR YUL	DME/DME/IRU or GNSS required
IAD	BOS	H	FROM WASHINGTON/BALTIMORE METRO AREA	IAD SWANN V268 BROSS J42 RBV J222 JFK ROBUC1 (RNAV)-STAR BOS	Turbojets Only: DDI or GNSS REQ
IAD	BUF	H	WASHINTON/BALTIMORE METRO AREA	IAD JERES J220 SFK BUF	
IAH	BOS	H		IAH GUMBY1 GUSTI Q22 CATLN J37 MGM AJFEB GRD J209 RDU J207 FKN J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
IAH	BOS	H		IAH MMUGS1 GUSTI Q22 CATLN J37 MGM AJFEB GRD J209 RDU J207 FKN J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
IAH	PIT	H		IAH INDIE1 TPAKK LIT J131 PXV ROD BSV JESEY1 PIT	DME/DME/IRU OR GPS
ILM	BUF	HSD		ILM LDN BUF	
ISP	BOS	H		ISP MERIT ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
ISP	YUL	H		ISP GREKI JUDDS CAM LATTS CARTR (RNAV)-STAR YUL	DME/DME/IRU or GNSS required
ITH	ARB	H	DETROIT SATELLITE	ITH COLTS BOREK LOPVO AXXIS GOHMA3 ARB	RNAV ONLY
ITH	DET	H	DETROIT SATELLITE	ITH COLTS BOREK LOPVO AXXIS GOHMA3 DET	RNAV ONLY
ITH	PTK	H	DETROIT SATELLITE	ITH COLTS BOREK LOPVO AXXIS SWWAN2 PTK	RNAV ONLY
ITH	YIP	H	DETROIT SATELLITE	ITH COLTS BOREK LOPVO AXXIS GOHMA3 YIP	RNAV ONLY
ITH	YQG	H	DETROIT SATELLITE	ITH COLTS BOREK LOPVO AXXIS GOHMA3 YQG	RNAV ONLY
JAX	DTW	H		JAX ARNEY1 BAXLY IRQ SPA JONEN Q67 COLTZ WEEDA2 DTW	TURBOJETS ONLY:
JAX	DTW	H		JAX NOWAY J53 SPA JONEN Q67 COLTZ WEEDA2 DTW	
JFK	BOS	L		JFK MERIT ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
JFK	CLE	H		JFK COATE Q436 DGRAF J49 PSB YNG CXR3 CLE	NON-RNAV EQUIPPED ONLY
JFK	CMH	H		JFK RBV J230 AIR FRICC BREMN-STAR CMH	
JFK	DET	H	DETROIT SATELLITES, (DET, YQG, PTK, YIP AND ARB)	JFK GAYEL Q818 WOZEE COLTS BOREK LOPVO AXXIS GOHMA3 DET	RNAV ONLY
JFK	DET	H	DETROIT SATELLITES, (DET, YQG, PTK, YIP AND ARB)	JFK GAYEL Q818 WOZEE COLTS BOREK LOPVO AXXIS GOHMA STAR DET	
JFK	DTW	H		JFK GAYEL J95 CFB TRAAD KOOPR YQO SPICA2 DTW	
JFK	MKE	H		JFK COATE Q436 RAAKK Q438 RUBYY MKG V2 SUDDS MKE	RNAV ONLY
JFK	MSP	H		JFK GAYEL Q818 WOZEE NOSIK Q812 ZOHAN GRB EAU9 MSP	DME/DME/IRU or GNSS required
JFK	PTK	H		JFK GAYEL Q818 WOZEE COLTS BOREK LOPVO AXXIS SWWAN2 PTK	RNAV ONLY
JFK	SFO	H		JFK GAYEL Q818 WOZEE Q935 HOCKE GRB GEP ABR J32 FMG GOLDN6 SFO	
JFK	SLC	H		JFK GAYEL Q818 WOZEE Q935 HOCKE BAE DBQ J94 OCS NORDK3 SLC	
JFK	YUL	L		JFK BDR V91 BOWAN V487 BTV LATTS CARTR STAR YUL	
JFK	YUL	H		JFK GREKI JUDDS CAM LATTS CARTR (RNAV)-STAR YUL	DME/DME/IRU or GNSS required
JFK	YYZ	H		JFK GAYLE Q818 WOZEE LINNG-STAR YYZ	
JFK	YYZ	L		JFK COATE LAAYK ULW WOZEE VERKO-STAR YYZ	
JFK	YYZ	L		JFK GAYEL V374 CFB V270 ULW WOZEE VERKO-STAR YYZ	

PREFERRED IFR ROUTES

ROUTE DATA

Orig	Dest	Rt Type	Area	Route String	Aircraft
LAX	BOS	H		LAX MLF J107 DDY J158 ABR GEP GRB HOCKE Q935 PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
LAX	BOS	H		LAX MLF J107 OCS J94 DBQ BAE HOCKE Q935 PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
LAX	PIT	H		LAX J146 DVC J197 GLD J192 IOW J146 WOOST J34 DJB V30 ACO JESEY1 PIT	
LAX	PIT	H		LAX JOT J146 WOOST J34 DJB V30 ACO JESEY1 PIT	
LGA	AGC	H		LGA NEWEL J60 PSB HAYNZ3 AGC	NON-RNAV EQUIPPED ONLY
LGA	AGC	H		LGA ZIMMZ Q42 MIKYG Q480 VINSE DEMME1 AGC	RNAV EQUIPPED ONLY
LGA	BOS	H		LGA MERIT ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
LGA	BOS	L		LGA MERIT ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
LGA	DTW	H		LGA GAYEL J95 CFB TRAAD KOOPR YQO SPICA2 DTW	
LGA	IND	H		LGA NEWEL J60 DANNR RAV J64 CASIO ROD CLANG5 IND	RNAV AOB FL250 NON-RNAV
LGA	MDW	H		LGA NEWEL J60 ASHEN BAGEL PANGG2 MDW	
LGA	MKC	H		LGA NEWEL J60 DANNR RAV J64 CASIO FYLLS J80 SPI BQS4 MKC	NON-RNAV EQUIPPED ONLY
LGA	MKE	H		LGA COATE Q436 RAAKK Q438 RUBYY MKG V2 SUDDS MKE	
LGA	MSP	H		LGA GAYEL Q818 WOZEE NOSIK ZOHAN GRB EAU9 MSP	
LGA	PHX	H		LGA NEWEL J60 DANNR RAV J64 CASIO FYLLS J110 STL J19 ZUN BUNTR2 PHX	NON-RNAV EQUIPPED ONLY
LGA	SLC	H		LGA GAYEL Q818 WOZEE Q935 HOCKE BAE DBQ J94 OCS NORDK3 SLC	
LGA	STL	H		LGA NEWEL J60 DANNR RAV J64 CASIO FYLLS J80 VHP VLA8 STL	NON-RNAV EQUIPPED ONLY
LGA	YUL	L		LGA BDR V91 BOWAN V487 BTV LATTS CARTR STAR YUL	
LGA	YUL	H		LGA GREKI JUDDS CAM LATTS CARTR (RNAV)-STAR YUL	DME/DME/IRU or GNSS required
LGA	YYZ	H		LGA GAYEL Q818 WOZEE LINNG-STAR YYZ	RNAV ONLY
LGA	YYZ	L	NEW YORK METRO AREA	LGA COATE LAAYK ULW WOZEE VERKO-STAR YYZ	
LGA	YYZ	H		LGA COATE Q436 MTCAF ULW WOZEE VERKO-STAR YYZ YYZ	PROPS
MCO	BOS	H	FROM ORLANDO INTL ONLY	MCO MCOY9 SAV J55 CHS J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
MCO	BOS	H	FROM ORLANDO INTL ONLY	MCO MLB LENDS AR16 ILM KEMPR SBY J79 JFK ROBUC1 (RNAV)-STAR BOS	Turbojets Only: DDI or GNSS REQ
MCO	DTW	H	FROM ORLANDO INTL ONLY	MCO JAG4 IRQ J53 SPA JONEN Q67 COLTZ WEEDA2 DTW	
MCO	DTW	H		MCO JAG4 IRQ J53 SPA JONEN Q67 COLTZ WEEDA2 DTW	
MCO	MHT	H		MCO MLB LENDS AR16 ILM KEMPR SBY J79 JFK ALB POPPP1 STAR MHT	TURBOJETS
MCO	PIT	H	FROM ORLANDO INTL ONLY	MCO MCOY9 SAV J51 CAE RYCKI Q69 RICCS IHD DEMME1 PIT	
MCO	YYZ	H		MCO MLB LENDS AR16 ILM KEMPR SBY J79 JFK CFB WOZEE LINNG-STAR YYZ	RNAV ONLY
MCO	YYZ	H		MCO MLB LENDS AR16 ILM KEMPR SBY J79 JFK CFB WOZEE LINNG STAR YYZ	TURBOJETS
MDW	ALB	H		MDW LEWKE GIJ EVOTE NELLS KEEHO JHW Q82 LOXXE ALB	
MDW	BDL	H		MDW LEWKE GIJ EVOTE NELLS KEEHO JHW Q82 MEMMS WILET STELA1 BDL	RNAV ONLY
MDW	BOS	H		MDW LEWKE GIJ EVOTE NELLS KEEHO JHW Q82 PONCT TRUIZ QUABN3 BOS	RNAV ONLY
MDW	BWI	H		MDW LEWKE GIJ OTENS ANEWA JERRI NUSMM ANTHM1 BWI	
MDW	DCA	H		MDW LEWKE GIJ OTENS ANEWA JERRI NUSMM BUCKO FRDMM2 DCA	RNAV
MDW	DCA	H	MDW ONLY	MDW LEWKE GIJ OTENS ANEWA JERRI NUSMM BUCKO NUMMY2 DCA	CONV
MDW	MHT	H		MDW LEWKE GIJ EVOTE NELLS KEEHO JHW Q82 PONCT EEN MHT	
MDW	PIT	L		MDW GIJ V6 DJB V30 ACO JESEY1 PIT	
MDW	PVD	H		MDW LEWKE GIJ EVOTE NELLS KEEHO JHW Q82 MEMMS HINGZ WIPOR2 PVD	
MDW	YTZ	H		LEWKE GIJ EVOTE NELLS YQO SN	NON-JETS , RNAV
MEM	BOS	H		MEM J118 SPA DARRL J209 RDU J207 FKN J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
MEM	BOS	H		MEM J42 BNA J46 VXV SPA DARRL J209 RDU J207 FKN J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
MHT	ARB	H	DETROIT SATELLITES, (DET, YQG, PTK, YIP AND ARB)	MHT HANAA Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 ARB	DME/DME/IRU or GNSS required
MHT	CVG	H		MHT CAM Q822 GONZZ JOSSY MAULL KODIE CTW TIGRR2 STAR CVG	Turbojets Only: DDI or GNSS REQ
MHT	DEN	H		MHT HANAA Q816 HOCKE FNT J94 ONL ANCHR2 (RNAV)-STAR DEN	Turbojets Only: DDI or GNSS REQ
MHT	DET	H	DETROIT SATELLITES, (DET, YQG, PTK, YIP AND ARB)	MHT HANAA Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 DET	DME/DME/IRU or GNSS required
MHT	DTW	H		MHT HANAA Q816 GOATR BUF SPICA2 DTW	Turbojets Only: DDI or GNSS REQ
MHT	MDW	H		MHT CAM Q822 GONZZ Q29 JHW DJB J60 ASHEN BAGEL PANGG2 (RNAV)-STAR MDW	DME/DME/IRU or GNSS required
MHT	ORD	H		MHT CAM Q822 FNT WYND5 (RNAV)-STAR ORD	Turbojets Only: DDI or GNSS REQ
MHT	PTK	H	DETROIT SATELLITES, (DET, YQG, PTK, YIP AND ARB)	MHT HANAA Q816 GOATR COLTS BOREK LOPVO AXXIS SWWAN1 PTK	DME/DME/IRU or GNSS required
MHT	YIP	H	DETROIT SATELLITES, (DET, YQG, PTK, YIP AND ARB)	MHT HANAA Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 YIP	DME/DME/IRU or GNSS required
MHT	YQG	H	DETROIT SATELLITES, (DET, YQG, PTK, YIP AND ARB)	MHT HANAA Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 YQG	DME/DME/IRU or GNSS required
MIA	BOS	H		MIA J53 CRG J51 SAV J55 CHS J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
MIA	BOS	H		MIA VALLY PERMT AR16 ILM KEMPR SBY J79 JFK ROBUC1 (RNAV)-STAR BOS	Turbojets Only: DDI or GNSS REQ
MIA	DTW	H		MIA J53 SPA JONEN Q67 COLTZ WEEDA2 DTW	

PREFERRED IFR ROUTES

ROUTE DATA

Orig	Dest	Rt Type	Area	Route String	Aircraft
MIA	MHT	H	MIAMI METRO AREA (MIA, HWO, OPF, TMB, HST, X51)	MIA VALLY PERMIT AR16 ILM KEMPR SBY J79 JFK ALB POPPP1 STAR MHT	TURBOJETS
MIA	YYZ	H	MIAMI METRO AREA (HWO. OPF. TMB. HST. X51)	MIA VALLY PERMT AR16 ILM LDN WOZEE LINNG-STAR YYZ	TURBOJETS
MKC	BWI	H		MKC LAKES8 COU STL J24 VHP ROD KMACK ANTHM1 BWI	
MKC	JFK	H		MKC LAKES8 COU STL J24 VHP ROD KLYNE Q29 JHW J70 LVZ LENDY6 JFK	
MKE	ADW	H		MKE OBK SAMPL ADIME OTENS ANEWA JERRI NUSMM BUCKO NUMMY2 ADW	
MKE	ALB	H		MKE SQUIB MKG HOCKE Q935 FABEN ALB	
MKE	BDL	H		MKE SQUIB MKG HOCKE Q935 AUDIL STELA1 BDL	
MKE	BED	H	MKE METRO	MKE SQUIB MKG HOCKE Q935 PONCT EEGUL ZELKA1 BED	
MKE	BOS	H	MKE METRO	MKE SQUIB MKG HOCKE Q935 PONCT TRUIZ QUABN3 BOS	
MKE	BTV	H	MKE METRO	MKE SQUIB MKG HOCKE Q935 WOZEE GONZZ LAGGS BTV	
MKE	BWI	H		MKE OBK SAMPL ADIME OTENS ANEWA JERRI NUSMM ANTHM1 BWI	
MKE	DCA	H		MKE OBK SAMPL ADIME OTENS ANEWA JERRI NUSMM BUCKO FRDMM2 DCA	
MKE	DCA	H		MKE OBK SAMPL ADIME OTENS ANEWA JERRI NUSMM BUCKO NUMMY2 DCA	
MKE	EWR	H		MKE SQUIB MKG HOCKE Q935 HANKK Q140 KODEY HNK FLOSI3 EWR	
MKE	HPN	H		MKE SQUIB MKG HOCKE Q935 WOZEE ITH DNY VALRE5 HPN	
MKE	HYA	H		MKE SQUIB MKG HOCKE Q935 WOZEE ENE HYA	
MKE	JFK	H		MKE SQUIB MKG HOCKE Q935 HANKK Q140 YODAA IGN IGN1 JFK	
MKE	LGA	H		MKE SQUIB MKG HOCKE Q935 WOZEE NABOR RKA HAARP3 LGA	
MKE	MMU	H		MKE SQUIB MKG HOCKE Q935 HANKK IGN WEARD V489 COATE MMU	
MKE	PVD	H		MKE SQUIB MKG HOCKE Q935 HANKK Q140 ARKKK HINGZ WIPOR2 PVD	
MKE	PWM	H		MKE SQUIB MKG ECK HOCKE Q935 PONCT CAM CDOGG2 PWM	
MKE	SYR	H		MKE SQUIB MKG HOCKE Q935 WOZEE SYR	
MKE	TEB	H		MKE SQUIB MKG HOCKE Q935 HANKK IGN WEARD V489 COATE TEB	
MKE	YUL	H	MKE Metro	MKE SQUIB MKG HOCKE Q905 SIKBO Q951 SANIN MIGLO HABBS HABBS STAR YUL	DME/DME/IRU or GNSS required
MKE	YYZ	H	MKE Metro	MKE SQUIB MKG MONEE NUBER1 YYZ	
MSP	BWI	H		MSP DLL J34 DJB NUSMM ANTHM STAR BWI	
MSP	LGA	H		MSP DLL BAE J34 WOOST J146 ETG MIP4 LGA	
MSY	BOS	H	NEW ORLEANS METRO AREA (MSY, NEW)	MSY J37 MGM MGM048/138 GRD J209 RDU J207 FKN J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
ONT	PIT	H		ONT DAG J146 DVC J197 GLD J192 IOW J146 WOOST J34 DJB V30 ACO JESEY1 PIT	
ORD	ADW	H		ORD MOBLE ADIME OTENS ANEWA JERRI NUSMM BUCKO NUMMY2 ADW	
ORD	BDL	H		ORD DUFEE ELX HAAKK DOXXY SOSIC JHW Q82 MEMMS WILET STELA1 BDL	RNAV
ORD	BED	H		ORD EBAKE WISMO POSTS PADDE SVM DKK PONCT EEGUL ZELKA1 BED	
ORD	BOS	H		ORD EBAKE WISMO POSTS PADDE SVM DKK PONCT TRUIZ QUABN3 BOS	
ORD	BTV	H		ORD EBAKE WISMO POSTS PADDE SVM DKK GONZZ LAGGS BTV	
ORD	BWI	H		ORD MOBLE ADIME OTENS ANEWA JERRI NUSMM ANTHM1 BWI	
ORD	DCA	H		ORD MOBLE ADIME OTENS ANEWA JERRI NUSMM BUCKO FRDMM2 DCA	ADVANCED RNAV
ORD	DCA	H		ORD MOBLE ADIME OTENS ANEWA JERRI NUSMM BUCKO NUMMY2 DCA	CONV
ORD	IAG	H		ORD EBAKE WISMO POSTS PADDE SVM DERLO IAG	
ORD	MBS	L		ORD PETTY MKG MBS	
ORD	MHT	H		ORD EBAKE WISMO POSTS PADDE SVM DKK PONCT EEN MHT	
ORD	MKG	L		ORD PETTY MKG	
ORD	PIT	L		ORD GIJ V6 DJB V30 ACO JESEY1 PIT	
ORD	PVD	H		ORD DUFEE ELX HAAKK DOXXY SOSIC JHW Q82 MEMMS Q140 KODEY HINGZ WIPOR2 PVD	RNAV ONLY
ORD	YKF	H		EBAKE POST PADDE SVM DERLO	, RNAV
ORL	BOS	H		ORL J53 CRG J51 SAV J55 CHS J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
ORL	BOS	H		ORL MLB LENDS AR16 ILM KEMPR SBY J79 JFK ROBUC1 (RNAV)-STAR BOS	Turbojets Only: DDI or GNSS REQ
ORL	DTW	H		ORL VXV J91 TONIO Q67 COLTZ WEEDA2 DTW	
ORL	MHT	H		ORL MLB LENDS AR16 ILM KEMPR SBY J79 JFK ALB POPPP1 STAR MHT	TURBOJETS
ORL	PIT	H		ORL CRG J51 CAE RYCKI Q69 RICCS IHD DEMME1 PIT	
ORL	YYZ	H		ORL MLB LENDS AR16 ILM LDN WOZEE LINNG-STAR YYZ	RNAV ONLY
PBI	BOS	H		PBI A699 PERMT AR16 KEMPR SBY J79 JFK ROBUC1 (RNAV)-STAR BOS	Turbojets Only: DDI or GNSS REQ
PBI	BOS	H		PBI ORL J53 CRG J51 SAV J55 CHS J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
PBI	DTW	H		PBI ORL J53 SPA JONEN Q67 COLTZ WEEDA2 DTW	
PBI	MHT	H		PBI A699 PERMT AR16 ILM KEMPR SBY J79 JFK ALB POPPP1 STAR MHT	TURBOJETS
PBI	YYZ	H		PBI A699 PERMT AR16 ILM LDN WOZEE LINNG-STAR YYZ	TURBOJETS

PREFERRED IFR ROUTES

ROUTE DATA

Orig	Dest	Rt Type	Area	Route String	Aircraft
PHL	BOS	H		PHL DITCH J225 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
PHL	DTW	H		PHL MXE PENSY J110 FLIRT BRNAN Q42 PSYKO KOZAR DJB GEMNI3 DTW	ADVANCED NAV
PHL	MDW	H		PHL PTW SARAA RAV PSB J60 ASHEN BAGEL PANGG2 MDW	
PHL	MHT	H		PHL DITCH J225 JFK ALB POPPP1 STAR MHT	TURBOJETS
PHL	YUL	H	and PNE	PHL DITCH J225 JFK CMK CAM LATTS CARTR (RNAV)-STAR YUL	DME/DME/IRU or GNSS required
PHL	YYZ	L		PHL PTW CHLSE V499 DIANO V164 FQM V31 ULW WOZEE LINNG-STAR YYZ	
PHL	YYZ	H		PHL PTW SARAA J64 RAV PSB WOZEE LINNG-STAR YYZ	RNAV EQUIPPED
PIE	DTW	H	TAMPA/ST PETERSBURG METRO AREA	PIE TAY J85 SPA JONEN Q67 COLTZ WEEDA2 DTW	
PIT	BOS	H		PIT EWC ZORBO SLT J190 RKA PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
PIT	BWI	H		PIT KMACK ANTHM1 BWI	RNAV EQUIPPED
PIT	MDW	H		PIT BSV MAYZE J60 ASHEN BAGEL PANGG1 MDW	RNAV ONLY
PVD	ARB	H	Detroit Satellites	PVD PUT CTR CAM ARNII Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 ARB	DME/DME/IRU or GNSS required
PVD	DEN	H		PVD PUT CTR CAM ARNII Q816 HOCKE FNT J94 ONL ANCHR2 (RNAV)-STAR DEN	DME/DME/IRU or GNSS required
PVD	DTW	H		PVD PUT CTR CAM ARNII Q816 GOATR BUF SPICA2-STAR DTW	DME/DME/IRU or GNSS required
PVD	MDW	H		PVD PUT CTR CAM Q822 GONZZ Q29 JHW DJB J60 ASHEN BAGEL PANGG2 (RNAV)-STAR MDW	DME/DME/IRU or GNSS required
PVD	MSP	H		PVD PUT CTR CAM ARNII Q816 KELTI Q812 ZOHAN GRB EAU9 MSP	DME/DME/IRU or GNSS required
PVD	ORD	H		PVD PUT CTR CAM Q822 FNT WYNDE5 (RNAV)-STAR ORD	Turbojets Only: DDI or GNSS REQ
PVD	PTK	H	Detroit Satellites	PVD PUT CTR CAM ARNII Q816 GOATR COLTS BOREK LOPVO AXXIS SWWAN2 PTK	DME/DME/IRU or GNSS required
PVD	YIP	H	Detroit Satellites	PVD PUT CTR CAM ARNII Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 YIP	DME/DME/IRU or GNSS required
PVD	YQG	H	Detroit Satellites	PVD PUT CTR CAM ARNII Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 YQG	DME/DME/IRU or GNSS required
PWM	CLE	H		PWM HSKEL1 (RNAV)-DP CAM Q822 GONZZ JOSSY HAGAR CXR CXR3 STAR CLE	DME/DME/IRU or GNSS required
PWM	CVG	H		PWM HSKEL1 (RNAV)-DP CAM Q822 GONZZ JOSSY MAULL KODIE CTW TIGRR2 (RNAV)-STAR CVG	DME/DME/IRU or GNSS required
PWM	DTW	H		PWM HSKEL1 (RNAV)-DP HANAA Q816 GOATR BUF SPICA2 STAR DTW	DME/DME/IRU or GNSS required
PWM	MSP	H		PWM HSKEL1 (RNAV)-DP HANAA Q816 KELTI Q812 ZOHAN GRB EAU9 MSP	DME/DME/IRU or GNSS required
PWM	ORD	H		PWM HSKEL1 (RNAV)-DP CAM Q822 FNT WYNDE5 (RNAV)-STAR ORD	DME/DME/IRU or GNSS required
PWM	PIT	H		PWM HSKEL1 CAM ALB J49 HNK SLT HAYNZ3 PIT	
QG	YYZ	H		PISTN HEMIS APDAX.NAKBO1	NON-JETS , RNAV
RDU	AGC	H		RDU LWOOD1 ROA RICCS IHD DEMME1 AGC	RNAV EQUIPPED
RDU	AGC	H		RDU PACK7 ROA RICCS IHD DEMME1 AGC	
RDU	BOS	H		RDU HURIC1 TYI J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
RDU	DTW	H		RDU PACK7 AZELL HMV JONEN Q67 COLTZ WEEDA2 DTW	
RDU	PIT	H		RDU PACK7 ROA RICCS IHD DEMME1 PIT	
ROC	BOS	H		ROC BEEPS PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
ROC	EWR	H		ROC BEEPS Q140 KODEY HNK FLOSI3 (RNAV)-STAR EWR	DME/DME/IRU or GNSS required
ROC	JFK	H		ROC BEEPS Q140 YODAA IGN IGN1 JFK	DME/DME/IRU or GNSS required
ROC	LGA	H		ROC NABOR RKA HAARP3 LGA	DME/DME/IRU or GNSS required
ROC	YYZ	H		ROC LOKPU.LINNG5	TURBOJETS , RNAV
ROC	YYZ	H		ROC LOKPU.VERKO3	NON-JETS , RNAV
RSW	DTW	H		RSW CSHEL ORL J53 SPA JONEN Q67 COLTZ WEEDA2 DTW	
SAN	PIT	H		SAN DVC J197 GLD J192 IOW J146 WOOST J34 DJB V30 ACO JESEY1 PIT	
SAN	PIT	H		SAN JOT J146 J34 DJB V30 ACO JESEY1 PIT	
SEA	CLE	H	CLEVELAND METRO AREA (CLE.CGF.BKL.LNN.LPR)	SEA BAE J34 VIO HIMEZ2 CLE	
SFO	BOS	H		SFO FMG J94 DBQ BAE HOCKE Q935 PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
SFO	PIT	H		SFO FMG J94 BFF OBH DSM IOW J60 JOT J146 J34 DJB V30 ACO CUTTA PIT	
SFO	YYZ	H		SFO FMG J32 ABR J70 GEP GRB YZEMN NUBER-STAR YYZ	
SLC	BOS	H		SLC OCS J107 DDY J158 ABR GEP GRB HOCKE Q935 PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
SLC	BOS	H		SLC OCS J94 DBQ BAE HOCKE Q935 PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
SLC	BOS	H		SLC TCH MCW HOCKE Q935 PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
SP	MIA	H		MSP RST7 ALO J233 SKBOZ J45 BNA J73 SZW SSCOT1 MIA	
SRQ	DTW	H		SRQ PIE TAY J85 SPA JONEN Q67 COLTZ WEEDA2 DTW	
STL	BOS	H		STL GATWY5 ROD KLYNE Q29 JHW Q82 PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
STL	LGA	H		STL GATWY5 ROD KLYNE Q29 WWSHR TEESY J146 ETG MIP4 LGA	
SYR	BOS	L		SYR V14 ALB TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
TEB	DET	H	DETROIT SATELLITE	TEB GAYEL Q818 WOZEE COLTS BOREK LOPVO AXXIS GOHMA3 DET	RNAV EQUIPPED
TEB	PTK	H	DETROIT SATELLITE	TEB GAYEL Q818 WOZEE COLTS BOREK LOPVO AXXIS SWWAN2 PTK	RNAV EQUIPPED

PREFERRED IFR ROUTES

ROUTE DATA

Orig	Dest	Rt Type	Area	Route String	Aircraft
TEB	YIP	H	DETROIT SATELLITE	TEB GAYEL Q818 WOZEE COLTS BOREK LOPVO AXXIS GOHMA3 YIP	RNAV EQUIPPED
TEB	YUL	H	from TEB only	TEB BREZY CMK GREKI JUDDS CAM LATTS CARTR (RNAV)-STAR YUL	DME/DME/IRU or GNSS required
TPA	BOS	H		TPA TAY J75 DUNKN J210 JOINT J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
TPA	DTW	H	TAMPA/ST PETERSBURG METRO AREA	TPA TAY J85 SPA JONEN Q67 COLTZ WEEDA2 DTW	
TYS	DTW	H		TYS VXV J91 TONIO Q67 COLTZ WEEDA2 DTW	
WAS	BOS	H	FROM WASHINGTON/BALTIMORE METRO AREA	WAS SWANN V268 BROSS J42 RBV J222 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
WAS	BUF	H	WASHINTON/BALTIMORE METRO AREA	WAS JERES J220 SFK BUF	
YQG	YYZ	H		PISTN APDAX.NUBER1	TURBOJETS , RNAV
YUL	EWR	L		YUL FAWNS ALB FLOSI3 EWR	DME/DME/IRU or GNSS required
YUL	EWR	L		YUL FAWNS ALB V489 COATE EWR	
YUL	JFK	H		YUL BUGSY J570 ALB IGN IGN1 JFK	DME/DME/IRU or GNSS required
YUL	LGA	H		YUL BUGSY J570 ALB PWL IGN V157 LGA	DME/DME/IRU or GNSS required
YXU	YYZ	H		NUBER.NAKBO1	NON-JETS , RNAV
YXU	YYZ	H		NUBER.NAKNO1	TURBOJETS , RNAV
YYZ	ABE	H		DUSOM1 PSB MIP	NON-JETS ,
YYZ	ABE	H		RIGUS1 PSB MIP	TURBOJETS ,
YYZ	ACY	H		DUSOM1 PSB HAR DQO ENO SIE	NON-JETS ,
YYZ	ACY	H		RIGUS1 PSB HAR DQO ENO SIE	TURBOJETS ,
YYZ	AKR	H		BETES1 ERI ACO	TURBOJETS ,
YYZ	AKR	H		OAKVL1 ERI ACO	NON-JETS ,
YYZ	ALB	H		KEPTA1 BMPAH AEVON HANKK FABEN	TURBOJETS ,
YYZ	ALB	H		MAVAN1 BMPAH AEVON HANKK FABEN	NON-JETS ,
YYZ	ALB	H		TEVAD1 AHPAH HANKK FABEN	NON-JETS ,
YYZ	ATL	H		YYZ FOXEE Q145 KONGO ODF DIRTY2 ATL	
YYZ	BDL	H		KEPTA1 BMPAH AEVON AUDIL STELA1	TURBOJETS ,
YYZ	BDL	H		MAVAN1 BMPAH AEVON AUDIL STELA1	NON-JETS ,
YYZ	BDL	H		TEVAD1 AHPAH HANKK AUDIL STELA1	NON-JETS ,
YYZ	BOS	H		KEPTA1 BMPAH AEVON HANKK Q935 PONCT TRUIZ QUABN3 (J-RNAV 1)	TURBOJETS 190 ▲,
YYZ	BOS	H		MAVAN1 BMPAH AEVON HANKK FABEN ALB GDM4	NON-JETS ,
YYZ	BOS	H		TEVAD1 AHPAH HANKK Q935 FABEN ALB GDM4	NON-JETS 190 ▲,
YYZ	BOS	H		YYZ KEPTA1 (RNAV)-DP AEVON HANKK Q935 PONCT QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
YYZ	BUF	H		KEPTA1 WOZEE	TURBOJETS ▲ 90, RNAV
YYZ	BUF	H		MAVAN1 WOZEE	NON-JETS ▲ 90, RNAV
YYZ	BWI	H		DUSOM1 PSB SEG V170 KERYN V499 TRISH	NON-JETS , RNAV
YYZ	BWI	H		RIGUS1 PSB SEG RAV V170 KERYN V499 TRISH	TURBOJETS , RNAV
YYZ	CLE	H		BETES1 ERI CXR3	TURBOJETS ▲ 220, RNAV
YYZ	CLE	H		OAKVL1 ERI CXR3	NON-JETS ▲ 220, RNAV
YYZ	CMH	H		MIXUT1 GNTRY APE	TURBOJETS 260 ▲, RNAV
YYZ	CMH	H		MIXUT1 YQO APE	TURBOJETS ▲ 240, RNAV
YYZ	CMH	H		PEMBA1 GNTRY APE	NON-JETS 260 ▲, RNAV
YYZ	CMH	H		PEMBA1 YQO APE	NON-JETS ▲ 220, RNAV
YYZ	CVG	H		MIXUT1 GNTRY APE.TIGRR2 (RNAV 1)	TURBOJETS 260▲, RNAV
YYZ	CVG	H		MIXUT1 YQO APE.TIGRR2 (RNAV 1)	TURBOJETS ▲ 240, RNAV
YYZ	CVG	H		PEMBA1 GNTRY APE.TIGRR2 (RNAV 1)	NON-JETS 260▲, RNAV
YYZ	CVG	H		PEMBA1 YQO APE.TIGRR2 (RNAV 1)	NON-JETS ▲ 240, RNAV
YYZ	DAY	H		MIXUT1 GNTRY ROD	TURBOJETS 260 ▲,
YYZ	DAY	H		MIXUT1 YQO ROD	TURBOJETS ▲ 240,
YYZ	DAY	H		PEMBA1 GNTRY ROD	NON-JETS 260 ▲,
YYZ	DAY	H		PEMBA1 YQO ROD	NON-JETS ▲ 240,
YYZ	DCA	H		DUSOM1 PSB V265 KRANT	NON-JETS , RNAV
YYZ	DCA	H		RIGUS1 PSB SKILS2 (J-RNAV 1)	TURBOJETS , RNAV
YYZ	DTW	H		MIXUT1 YQO SPICA2	TURBOJETS ▲ 220, RNAV
YYZ	DTW	H		PEMBA1 YQO SPICA2	NON-JETS ▲ 220, RNAV
YYZ	ERI	H		BETES1 ERI	TURBOJETS , RNAV
YYZ	ERI	H		OAKVL1 ERI	NON-JETS , RNAV

PREFERRED IFR ROUTES

ROUTE DATA

Orig	Dest	Rt Type	Area	Route String	Aircraft
YYZ	EWR	H		KEPTA1 BMPAH AEVON GEE FLOSI3 (RNAV1)	TURBOJETS , RNAV
YYZ	EWR	H		MAVAN1 BMPAH AEVON EXTOL HNK V167 WEARD V489 COATE	NON-JETS , RNAV
YYZ	EWR	H		MAVAN1 BMPAH AEVON GEE FLOSI3 (RNAV1)	NON-JETS , RNAV
YYZ	EWR	H		TEVAD1 AHPAH GEE FLOSI3 (RNAV1)	NON-JETS , RNAV
YYZ	GRR	H		GOPUP1 HOCKE	TURBOJETS , RNAV
YYZ	GRR	H		TULEK1 HOCKE	NON-JETS , RNAV
YYZ	HPN	H		KEPTA1 BMPAH AEVON EXTOL DNY VALRE5 (250K▲)	TURBOJETS , RNAV
YYZ	HPN	H		MAVAN1 BMPAH AEVON EXTOL DNY VALRE5 (250K▲)	NON-JETS , RNAV
YYZ	HPN	H		MAVAN1 BMPAH AEVON EXTOL RKA NOBBI5 (NJ - ▲250K)	NON-JETS , RNAV
YYZ	HPN	H		TEVAD1 AHPAH Q140 EXTOL DNY VALRE5 (250K▲)	NON-JETS , RNAV
YYZ	IAD	H		MAVAN1 BMPAH AEVON SEG HAR FSTER1	NON-JETS , RNAV
YYZ	IAD	H		MAVAN1 BMPAH AEVON SEG LEGGO GRAVZ1 (RNAV)	NON-JETS , RNAV
YYZ	IAD	H		RIGUS1 PSB FSTER1 (J)	TURBOJETS , RNAV
YYZ	IAD	H		RIGUS1 PSB GRAVZ1 (J-RNAV1)	TURBOJETS , RNAV
YYZ	IAD	H		TEVAD1 AHPAH SEG HAR FSTER1	NON-JETS , RNAV
YYZ	IAD	H		TEVAD1 AHPAH SEG LEGGO GRAVZ1 (RNAV)	NON-JETS , RNAV
YYZ	IND	H		MIXUT1 GNTRY ROD CLANG5	TURBOJETS 260 ▲, RNAV
YYZ	IND	H		MIXUT1 YQO ROD CLANG5	TURBOJETS ▲ 240, RNAV
YYZ	IND	H		PEMBA1 GNTRY ROD CLANG5	NON-JETS 260 ▲, RNAV
YYZ	IND	H		PEMBA1 YQO ROD CLANG5	NON-JETS ▲ 240, RNAV
YYZ	ISP	H		KEPTA1 BMPAH AEVON EXTOL HNK NELIE3 (RNAV 1)	TURBOJETS 190 ▲,
YYZ	ISP	H		KEPTA1 BMPAH AEVON HANKK Q935 FABEN ALB NELIE3 (RNAV 1)	TURBOJETS 190 ▲,
YYZ	ISP	H		MAVAN1 BMPAH AEVON EXTOL HNK NELIE3 (RNAV 1)	NON-JETS ,
YYZ	ISP	H		MAVAN1 BMPAH AEVON HANKK FABEN ALB NELIE3 (RNAV 1)	NON-JETS ,
YYZ	ISP	H		TEVAD1 AHPAH EXTOL HNK NELIE3 (RNAV 1)	NON-JETS 190 ▲,
YYZ	ISP	H		TEVAD1 AHPAH HANKK Q935 FABEN ALB NELIE3(RNAV 1)	NON-JETS 190 ▲,
YYZ	JFK	H		KEPTA1 BMPAH AEVON EXTOL Q140 YODAA IGN IGN1 (F190 ▲- 250K ▲)	TURBOJETS 190 ▲, RNAV
YYZ	JFK	H		MAVAN1 BMPAH AEVON EXTOL ARKKK YODAA IGN IGN1 (F190▲- 250K ▲)	NON-JETS 190 ▲, RNAV
YYZ	JFK	H		MAVAN1 BMPAH AEVON EXTOL DNY PWL2 (NJ - ▲ 250K)	NON-JETS , RNAV
YYZ	JFK	H		TEVAD1 AHPAH Q140 YODAA IGN IGN1 (F190 ▲- 250K ▲)	NON-JETS 190 ▲, RNAV
YYZ	LGA	H		KEPTA1 BMPAH AEVON EXTOL RKA HAARP3 (250K▲)	TURBOJETS , RNAV
YYZ	LGA	H		MAVAN1 BMPAH AEVON EXTOL RKA HAARP3 (250K▲)	NON-JETS , RNAV
YYZ	LGA	H		MAVAN1 BMPAH AEVON EXTOL RKA NOBBI5 (NJ - ▲250K)	NON-JETS , RNAV
YYZ	LGA	H		TEVAD1 AHPAH EXTOL RKA HAARP3 (250K▲)	NON-JETS , RNAV
YYZ	LGA	H		YYZ TEVAD1 AHPAH NABOR RKA HAARP3 LGA	DME/DME/IRU or GNSS required
YYZ	MDW	H		MIXUT1 GNTRY MAYZE J60 ASHEN BAGEL PANGG2 (RNAV 1- 250K▲)	TURBOJETS 260 ▲, RNAV
YYZ	MDW	H		MIXUT1 YQO HAGGA IGROL DROME BAGEL PANGG2	TURBOJETS ▲ 240, RNAV
YYZ	MDW	H		PEMBA1 GNTRY MAYZE J60 ASHEN BAGEL PANGG2 (RNAV1- 250K▲)	NON-JETS 260 ▲, RNAV
YYZ	MDW	H		PEMBA1 YQO HAGGA IGROL DROME BAGEL PANGG2 (RNAV1)	NON-JETS ▲ 240,
YYZ	MHT	H		KEPTA1 BMPAH AEVON HANKK ALB.POPPP1	TURBOJETS ,
YYZ	MHT	H		MAVAN1 BMPAH AEVON HANKK ALB.POPPP1	NON-JETS ,
YYZ	MHT	H		TEVAD1 AHPAH HANKK ALB.POPPP1	NON-JETS ,
YYZ	MKE	H		GOPUP1 SLLAP SUDDS	TURBOJETS , RNAV
YYZ	MKE	H		TULEK1 SLLAP SUDDS	NON-JETS , RNAV
YYZ	MMU	H		KEPTA1 BMPAH AEVON EXTOL HNK V167 WEARD V489 COATE	TURBOJETS , RNAV
YYZ	MMU	H		MAVAN1 BMPAH AEVON EXTOL HNK V167 WEARD V489 COATE	NON-JETS , RNAV
YYZ	MMU	H		TEVAD1 AHPAH EXTOL HNK V167 WEARD V489 COATE	NON-JETS , RNAV
YYZ	MSP	H		NOSIK2 KASED GRB EAU9	NON-JETS , RNAV
YYZ	MSP	H		URSAL2 KASED GRB EAU9	TURBOJETS , RNAV
YYZ	ORD	H		GOPUP1 HOCKE FNT WYNDE6 (RNAV1)	TURBOJETS , RNAV
YYZ	ORD	H		TULEK1 HOCKE FNT WYNDE6 (RNAV1)	NON-JETS , RNAV
YYZ	PHL	H		DUSOM1 PSB BOJID1 (RNAV1)	NON-JETS , RNAV
YYZ	PHL	H		DUSOM1 PSB BUNTS1 (250K▲)	NON-JETS , RNAV
YYZ	PHL	H		DUSOM1 PSB HAR V210 BUNTS	NON-JETS , RNAV
YYZ	PHL	H		RIGUS1 PSB BOJID1 (RNAV1)	TURBOJETS , RNAV

PREFERRED IFR ROUTES

ROUTE DATA

Orig	Dest	Rt Type	Area	Route String	Aircraft
YYZ	PHL	H		RIGUS1 PSB BUNTS1	TURBOJETS , RNAV
YYZ	PIT	H		BETES1 ERI YNG JESEY1 (RNAV1)	TURBOJETS , RNAV
YYZ	PIT	H		OAKVL1 ERI YNG JESEY1 (RNAV1)	NON-JETS , RNAV
YYZ	PTK	H		MIXUT1 DERLO AXXIS SWWAN2	TURBOJETS ▲ 220, RNAV
YYZ	PTK	H		PEMBA1 DERLO AXXIS SWWAN2	NON-JETS ▲ 220, RNAV
YYZ	PVD	H		KEPTA1 BMPAH AEVON EXTOL HNK WIPOR2 (RNAV1)	TURBOJETS , RNAV
YYZ	PVD	H		KEPTA1 BMPAH AEVON FABEN ALB WIPOR2 (RNAV1)	TURBOJETS , RNAV
YYZ	PVD	H		MAVAN1 BMPAH AEVON EXTOL HNK WIPOR2 (RNAV1)	NON-JETS , RNAV
YYZ	PVD	H		MAVAN1 BMPAH AEVON HANKK FABEN ALB WIPOR2 (RNAV1)	NON-JETS , RNAV
YYZ	PVD	H		TEVAD1 AHPAH EXTOL HNK WIPOR2 (RNAV1)	NON-JETS , RNAV
YYZ	PVD	H		TEVAD1 AHPAH HANKK FABEN ALB WIPOR2 (RNAV1)	NON-JETS , RNAV
YYZ	ROC	H		KEPTA1 BMPAH	TURBOJETS , RNAV
YYZ	ROC	H		MAVAN1 BMPAH	NON-JETS , RNAV
YYZ	SDF	H		MIXUT1 GNTRY ROD RDSTN4	TURBOJETS 260 ▲,
YYZ	SDF	H		MIXUT1 YQO ROD RDSTN4	TURBOJETS ▲ 240,
YYZ	SDF	H		PEMBA1 GNTRY ROD RDSTN4	NON-JETS 260 ▲,
YYZ	SDF	H		PEMBA1 YQO ROD RDSTN4	NON-JETS ▲ 240,
YYZ	SFO	H		YYZ GRB GEP ABR J32 FMG GOLDN6 SFO	
YYZ	SWF	H		KEPTA1 BMPAH AEVON EXTOL DNY V483 FILPS	TURBOJETS , RNAV
YYZ	SWF	H		MAVAN1 BMPAH AEVON EXTOL DNY V483 FILPS	NON-JETS , RNAV
YYZ	SWF	H		TEVAD1 AHPAH EXTOL DNY V483 FILPS	NON-JETS , RNAV
YYZ	SYR	H		KEPTA1 BMPAH SYR	TURBOJETS , RNAV
YYZ	SYR	H		MAVAN1 BMPAH SYR	NON-JETS , RNAV
YYZ	SYR	H		TEVAD1 AHPAH SYR	NON-JETS , RNAV
YYZ	TEB	H		KEPTA1 BMPAH AEVON EXTOL HNK V167 WEARD V489 COATE	TURBOJETS , RNAV
YYZ	TEB	H		MAVAN1 BMPAH AEVON EXTOL HNK V167 WEARD V489 COATE	NON-JETS , RNAV
YYZ	TEB	H		TEVAD1 AHPAH EXTOL HNK V167 WEARD V489 COATE	NON-JETS , RNAV
YYZ	TOL	H		MIXUT1 YQO TOL	TURBOJETS ▲ 220, RNAV
YYZ	TOL	H		PEMBA1 YQO TOL	NON-JETS ▲ 220, RNAV
YYZ	YAM	H		AVSEP2 ROTMA	TURBOJETS , RNAV
YYZ	YAM	H		NUGOP2 ROTMA	NON-JETS , RNAV
YYZ	YIP	H		MIXUT1 DERLO AXXIS GOHMA3	TURBOJETS ▲ 220, RNAV
YYZ	YIP	H		PEMBA1 DERLO AXXIS GOHMA3	NON-JETS ▲ 220, RNAV
YYZ	YQG	H		MIXUT1 DERLO AXXIS GOHMA3	TURBOJETS ▲ 220,
YYZ	YQG	H		PEMBA1 DERLO AXXIS GOHMA3	NON-JETS ▲ 220,
YYZ	YSB	H		IKLEN1 TONNY	TURBOJETS , RNAV
YYZ	YSB	H		MATES4 TONNY	NON-JETS , RNAV
YYZ	YSB	H		YEE	,
YYZ	YTS	H		IKLEN1 TONNY	TURBOJETS , RNAV
YYZ	YTS	H		MATES4 TONNY	NON-JETS , RNAV
YYZ	YTS	H		YEE YSB	,
YYZ	YWG	H		AVSEP2 LITMO SSM GOVIT GOVIT6 (RNAV)	TURBOJETS , RNAV
YYZ	YWG	H		NUGOP2 LITMO SSM GOVIT GOVIT6 (RNAV)	NON-JETS , RNAV
YYZ	YWG	H		URSAL2 KASED GOVIT GOVIT6 (RNAV)	TURBOJETS , RNAV
YYZ	YXU	H		MIXUT1 DERLO	TURBOJETS , RNAV
YYZ	YXU	H		PEMBA1 DERLO	NON-JETS , RNAV
YYZ	YYB	H		IKLEN1 TONNY	, RNAV
YYZ	YYB	H		MATES4 TONNY	NON-JETS , RNAV
ZBW	ACK	SHD	Traffic entering ZBW originating S & W of a line from HNK to ROC	ZBW Q82 PONCT ENE V167 LFV ACK	DME/DME/IRU or GNSS required
ZBW	ACK	SHD	Traffic entering ZBW originating S & W of a line from HNK to ROC	ZBW Q935 PONCT ENE V167 LFV ACK	DME/DME/IRU or GNSS required
ZBW	ACK	SHD	Traffic entering ZBW originating S & W of a line from HNK to ROC	ZBW Q935 PONCT ENE V167 LFV ACK	DME/DME/IRU or GNSS required
ZBW	HYA	SHD	Traffic entering ZBW originating S & W of a line from HNK to ROC	ZBW Q82 PONCT ENE V167 LFV HYA	DME/DME/IRU or GNSS required
ZBW	HYA	SHD	Traffic entering ZBW originating S & W of a line from HNK to ROC	ZBW Q935 PONCT ENE V167 LFV HYA	DME/DME/IRU or GNSS required
ZBW	HYA	SHD	Traffic entering ZBW originating S & W of a line from HNK to ROC	ZBW Q935 PONCT ENE V167 LFV HYA	DME/DME/IRU or GNSS required
ZBW	MVY	SHD	Traffic entering ZBW originating S & W of a line from HNK to ROC	ZBW Q82 PONCT ENE V167 LFV MVY	DME/DME/IRU or GNSS required

PREFERRED IFR ROUTES

ROUTE DATA

Orig	Dest	Rt Type	Area	Route String	Aircraft
ZBW	**MVY**	SHD	Traffic entering ZBW originating S & W of a line from HNK to ROC	ZBW Q935 PONCT ENE V167 LFV MVY	DME/DME/IRU or GNSS required
ZBW	**MVY**	SHD	Traffic entering ZBW originating S & W of a line from HNK to ROC	ZBW Q935 PONCT ENE V167 LFV MVY	DME/DME/IRU or GNSS required
ZID	**BDL**	SHD	For traffic originating North & West of a line from DFW to JFK	ZID ROD KLYNE Q29 JHW Q82 MEMMS WILET STELA1 BDL	DME/DME/IRU or GNSS required
ZID	**BOS**	SHD	TFC Overflying ZID ARTCC	ZID ROD KLYNE Q29 JHW Q82 PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
ZID	**CEF**	H	For traffic originating North & West of a line from DFW to JFK	ZID ROD KLYNE Q29 JHW Q82 MEMMS WILET STELA1 CEF	DME/DME/IRU or GNSS required
ZID	**EWR**	SHD	TFC OVERFLYING ZID ARTCC	ZID KLYNE Q29 DORET J584 FQM3 EWR	
ZID	**FRG**	SHD	For traffic originating North & West of a line from DFW to JFK	ZID ROD KLYNE Q29 JHW Q82 MEMMS Q140 YODAA IGN V58 DEEDE V44 FRG	DME/DME/IRU or GNSS required
ZID	**HPN**	SHD	For traffic originating North & West of a line from DFW to JFK	ZID ROD KLYNE Q29 JHW Q82 MEMMS WILET DNY NOBBI5 HPN	250 KTS or less: DME/DME/IRU or
ZID	**HPN**	SHD	For traffic originating North & West of a line from DFW to JFK	ZID ROD KLYNE Q29 JHW Q82 MEMMS WILET DNY VALRE5 HPN	Above 250 KTS: DME/DME/IRU or
ZID	**JFK**	SHD	TFC OVERFLYING ZID ARTCC	ZID KLYNE Q29 JHW J70 LVZ LENDY6 JFK	
ZID	**LGA**	SHD	TFC OVERFLYING ZID ARTCC	ZID KLYNE Q29 WWSHR TEESY J146 ETG MIP4 LGA	
ZID	**MMU**	SHD	FOR TRAFFIC ORIGINATING NORTH & WEST OF A LINE FROM DFW TO JFK	ZID KLYNE Q29 JHW LVZ4 MMU	
ZID	**TEB**	SHD	FOR TRAFFIC ORIGINATING NORTH & WEST OF A LINE FROM DFW TO JFK	ZID KLYNE Q29 JHW LVZ4 TEB	
ZOB	**BWI**	SHD	TFC OVERFLYING ZID ARTCC OR ZOB ARTCC LNDG WASHINGTON METRO AREA.	ZOB KMACK ANTHM1 BWI	
ZTL	**BOS**	SHD	TFC OVERFLYING ZTL: ORIGINATING SOUTH OF A LINE FROM DFW TO JFK	ZTL GRD J209 RDU J207 FKN J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required

PREFERRED IFR ROUTES

ROUTE DATA

Orig	Dest	Rt Type	Area	Route String	Aircraft
YYZ	ABE	H		DUSOM1 PSB MIP	NON-JETS ,
YYZ	ABE	H		RIGUS1 PSB MIP	TURBOJETS ,
ZBW	ACK	SHD	Traffic entering ZBW originating S & W of a line from HNK to ROC	ZBW Q82 PONCT ENE V167 LFV ACK	DME/DME/IRU or GNSS required
ZBW	ACK	SHD	Traffic entering ZBW originating S & W of a line from HNK to ROC	ZBW Q935 PONCT ENE V167 LFV ACK	DME/DME/IRU or GNSS required
ZBW	ACK	SHD	Traffic entering ZBW originating S & W of a line from HNK to ROC	ZBW Q935 PONCT ENE V167 LFV ACK	DME/DME/IRU or GNSS required
YYZ	ACY	H		DUSOM1 PSB HAR DQO ENO SIE	NON-JETS ,
YYZ	ACY	H		RIGUS1 PSB HAR DQO ENO SIE	TURBOJETS ,
MKE	ADW	H		MKE OBK SAMPL ADIME OTENS ANEWA JERRI NUSMM BUCKO NUMMY2 ADW	
ORD	ADW	H		ORD MOBLE ADIME OTENS ANEWA JERRI NUSMM BUCKO NUMMY2 ADW	
EWR	AGC	H	AND NEWARK SATELLITES	EWR NEWEL J60 PSB HAYNZ3 AGC	RNAV EQUIPPED ONLY
EWR	AGC	H	AND NEWARK SATELLITES	EWR ZIMMZ Q42 MIKYG Q480 VINSE DEMME1 AGC	RNAV EQUIPPED ONLY
HPN	AGC	H		HPN NEWEL J60 PSB HAYNZ3 AGC	NON-RNAV EQUIPPED ONLY
HPN	AGC	H		HPN ZIMMZ Q42 MIKYG Q480 VINSE DEMME1 AGC	RNAV EQUIPPED ONLY
LGA	AGC	H		LGA NEWEL J60 PSB HAYNZ3 AGC	NON-RNAV EQUIPPED ONLY
LGA	AGC	H		LGA ZIMMZ Q42 MIKYG Q480 VINSE DEMME1 AGC	RNAV EQUIPPED ONLY
RDU	AGC	H		RDU LWOOD1 ROA RICCS IHD DEMME1 AGC	RNAV EQUIPPED
RDU	AGC	H		RDU PACK7 ROA RICCS IHD DEMME1 AGC	
YYZ	AKR	H		BETES1 ERI ACO	TURBOJETS ,
YYZ	AKR	H		OAKVL1 ERI ACO	NON-JETS ,
MDW	ALB	H		MDW LEWKE GIJ EVOTE NELLS KEEHO JHW Q82 LOXXE ALB	
MKE	ALB	H		MKE SQUIB MKG HOCKE Q935 FABEN ALB	
YYZ	ALB	H		KEPTA1 BMPAH AEVON HANKK FABEN	TURBOJETS ,
YYZ	ALB	H		MAVAN1 BMPAH AEVON HANKK FABEN	NON-JETS ,
YYZ	ALB	H		TEVAD1 AHPAH HANKK FABEN	NON-JETS ,
BDL	ARB	H		BDL CTR CAM ARNII Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 ARB	DME/DME/IRU or GNSS required
BOS	ARB	H	Detroit Satellites	BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 ARB	Turbojets Only: DDI or GNSS REQ
BUF	ARB	H	DETROIT SATELLITE	BUF COLTS BOREK LOPVO AXXIS GOHMA3 ARB	RNAV ONLY
ITH	ARB	H	DETROIT SATELLITE	ITH COLTS BOREK LOPVO AXXIS GOHMA3 ARB	RNAV ONLY
MHT	ARB	H	Detroit Satellites	MHT HANAA Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 ARB	DME/DME/IRU or GNSS required
PVD	ARB	H	Detroit Satellites	PVD PUT CTR CAM ARNII Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 ARB	DME/DME/IRU or GNSS required
YYZ	ATL	H		YYZ FOXEE Q145 KONGO ODF DIRTY2 ATL	
MDW	BDL	H		MDW LEWKE GIJ EVOTE NELLS KEEHO JHW Q82 MEMMS WILET STELA1 BDL	RNAV ONLY
MKE	BDL	H		MKE SQUIB MKG HOCKE Q935 AUDIL STELA1 BDL	
ORD	BDL	H		ORD DUFEE ELX HAAKK DOXXY SOSIC JHW Q82 MEMMS WILET STELA1 BDL	RNAV
YYZ	BDL	H		KEPTA1 BMPAH AEVON AUDIL STELA1	TURBOJETS ,
YYZ	BDL	H		MAVAN1 BMPAH AEVON AUDIL STELA1	NON-JETS ,
YYZ	BDL	H		TEVAD1 AHPAH HANKK AUDIL STELA1	NON-JETS ,
ZID	BDL	SHD	For traffic originating North & West of a line from DFW to JFK	ZID ROD KLYNE Q29 JHW Q82 MEMMS WILET STELA1 BDL	DME/DME/IRU or GNSS required
MKE	BED	H	MKE METRO	MKE SQUIB MKG HOCKE Q935 PONCT EEGUL ZELKA1 BED	
ORD	BED	H		ORD EBAKE WISMO POSTS PADDE SVM DKK PONCT EEGUL ZELKA1 BED	
ALB	BOS	L		ALB TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
ATL	BOS	H		ATL EATWO GRD J209 RDU J207 FKN J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
BUF	BOS	L		BUF V252 GEE PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
BWI	BOS	H	FROM WASH- INGTON/ BALTIMORE METRO AREA	BWI SWANN V268 BROSS J42 RBV J222 JFK ROBUC1 (RNAV)-STAR BOS	Turbojets Only: DDI or GNSS REQ
CLE	BOS	H	Cle Metro Area (CLE CGF BKL LNN LPR)	CLE FAILS ERI JHW Q82 PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
CLT	BOS	H		CLT MERIL RDU J207 FKN J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
DCA	BOS	H	FROM WASH- INGTON/ BALTIMORE METRO AREA	DCA SWANN V268 BROSS J42 RBV J222 JFK ROBUC1 (RNAV)-STAR BOS	Turbojets Only: DDI or GNSS REQ
DFW	BOS	H		DFW FROCK1 FORCK SQS J52 ATL GRD J209 RDU J207 FKN J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
DFW	BOS	H		DFW ZACHH1 BSKAT J131 PXV KLYNE Q29 JHW Q82 PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
DSD	BOS	H	DOMINICAN REPUBLIC TERMINALS: (MDSD, MDPC, MDLR, MDST, MDPP, MDJB, MDCT)	MDSD BESAS L464 CERDA L451 OLDEY AR3 CLB ILM KEMPR SBY J79 JFK ROBUC1 (RNAV)-STAR BOS	
DSD	BOS	H	DOMINICAN REPUBLIC TERMINALS: (MDSD, MDPC, MDLR, MDST, MDPP, MDJB, MDCT)	MDSD BESAS L464 CERDA LNHOM L452 OXANA AR8 ECG SBY J79 JFK ROBUC1 (RNAV)-STAR BOS	
DSD	BOS	H	DOMINICAN REPUBLIC TERMINALS: (MDSD, MDPC, MDLR, MDST, MDPP, MDJB, MDCT)	MDSD BESAS L464 LAMER L453 AZEZU BERGH L454 JFK ROBUC1 (RNAV)-STAR BOS	
DSD	BOS	H	DOMINICAN REPUBLIC TERMINALS: (MDSD, MDPC, MDLR, MDST, MDPP, MDJB, MDCT)	MDSD JUELE L463 NUCAR AR3 CLB ILM KEMPR SBY J79 JFK ROBUC1 (RNAV)-STAR BOS	

PREFERRED IFR ROUTES

ROUTE DATA

Orig	Dest	Rt Type	Area	Route String	Aircraft
DTW	BOS	H	Detroit Metro area	DTW MOONN4 JHW Q82 PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
EWR	BOS	L		EWR MERIT ROBUC1 (RNAV)-STAR BOS	TURBOJET: DME/DME/IRU or
FLL	BOS	H	FT LAUDERDALE METRO AREA: FLL, FXE, PMP	FLL ARKES2 ARKES J113 CRG J51 SAV J55 CHS J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
FLL	BOS	H	FT LAUDERDALE METRO AREA: FLL, FXE, PMP	FLL ARKES2 ARKES ORL J53 CRG J51 SAV J55 CHS J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
FLL	BOS	H	FT LAUDERDALE METRO AREA: FLL, FXE, PMP	FLL ZAPPA2 ZAPPA PERMT AR16 ILM KEMPR SBY J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
HOU	BOS	H		HOU ELOCO1 LLA HRV SJI J37 MGM AJFEB GRD J209 RDU J207 FKN J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
HPN	BOS	H		HPN MERIT ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
HPN	BOS	L		HPN MERIT ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
IAD	BOS	H	FROM WASHINGTON/BALTIMORE METRO AREA	IAD SWANN V268 BROSS J42 RBV J222 JFK ROBUC1 (RNAV)-STAR BOS	Turbojets Only: DDI or GNSS REQ
IAH	BOS	H		IAH GUMBY1 GUSTI Q22 CATLN J37 MGM AJFEB GRD J209 RDU J207 FKN J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
IAH	BOS	H		IAH MMUGS1 GUSTI Q22 CATLN J37 MGM AJFEB GRD J209 RDU J207 FKN J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
ISP	BOS	H		ISP MERIT ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
JFK	BOS	L		JFK MERIT ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
LAX	BOS	H		LAX MLF J107 DDY J158 ABR GEP GRB HOCKE Q935 PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
LAX	BOS	H		LAX MLF J107 OCS J94 DBQ BAE HOCKE Q935 PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
LGA	BOS	H		LGA MERIT ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
LGA	BOS	L		LGA MERIT ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
MCO	BOS	H	FROM ORLANDO INTL ONLY	MCO MCOY9 SAV J55 CHS J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
MCO	BOS	H	FROM ORLANDO INTL ONLY	MCO MLB LENDS AR16 ILM KEMPR SBY J79 JFK ROBUC1 (RNAV)-STAR BOS	Turbojets Only: DDI or GNSS REQ
MDW	BOS	H		MDW LEWKE GIJ EVOTE NELLS KEEHO JHW Q82 PONCT TRUIZ QUABN3 BOS	RNAV ONLY
MEM	BOS	H		MEM J118 SPA DARRL J209 RDU J207 FKN J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
MEM	BOS	H		MEM J42 BNA J46 VXV SPA DARRL J209 RDU J207 FKN J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
MIA	BOS	H		MIA J53 CRG J51 SAV J55 CHS J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
MIA	BOS	H		MIA VALLY PERMT AR16 ILM KEMPR SBY J79 JFK ROBUC1 (RNAV)-STAR BOS	Turbojets Only: DDI or GNSS REQ
MKE	BOS	H	MKE METRO	MKE SQUIB MKG HOCKE Q935 PONCT TRUIZ QUABN3 BOS	
MSY	BOS	H	NEW ORLEANS METRO AREA (MSY, NEW)	MSY J37 MGM MGM048/138 GRD J209 RDU J207 FKN J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
ORD	BOS	H		ORD EBAKE WISMO POSTS PADDE SVM DKK PONCT TRUIZ QUABN3 BOS	
ORL	BOS	H		ORL J53 CRG J51 SAV J55 CHS J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
ORL	BOS	H		ORL MLB LENDS AR16 ILM KEMPR SBY J79 JFK ROBUC1 (RNAV)-STAR BOS	Turbojets Only: DDI or GNSS REQ
PBI	BOS	H		PBI A699 PERMT AR16 KEMPR SBY J79 JFK ROBUC1 (RNAV)-STAR BOS	Turbojets Only: DDI or GNSS REQ
PBI	BOS	H		PBI ORL J53 CRG J51 SAV J55 CHS J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
PHL	BOS	H		PHL DITCH J225 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
PIT	BOS	H		PIT EWC ZORBO SLT J190 RKA PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
RDU	BOS	H		RDU HURIC1 TYI J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
ROC	BOS	H		ROC BEEPS PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
SFO	BOS	H		SFO FMG J94 DBQ BAE HOCKE Q935 PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
SLC	BOS	H		SLC OCS J107 DDY J158 ABR GEP GRB HOCKE Q935 PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
SLC	BOS	H		SLC OCS J94 DBQ BAE HOCKE Q935 PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
SLC	BOS	H		SLC TCH MCW HOCKE Q935 PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
STL	BOS	H		STL GATWY5 ROD KLYNE Q29 JHW Q82 PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
SYR	BOS	L		SYR V14 ALB TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
TPA	BOS	H		TPA TAY J75 DUNKN J210 JOINT J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
WAS	BOS	H	FROM WASHINGTON/BALTIMORE METRO AREA	WAS SWANN V268 BROSS J42 RBV J222 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
YYZ	BOS	H		KEPTA1 BMPAH AEVON HANKK Q935 PONCT TRUIZ QUABN3 (J-RNAV 1)	TURBOJETS 190 ▲,
YYZ	BOS	H		MAVAN1 BMPAH AEVON HANKK FABEN ALB GDM4	NON-JETS ,
YYZ	BOS	H		TEVAD1 AHPAH HANKK Q935 FABEN ALB GDM4	NON-JETS 190 ▲,
YYZ	BOS	H		YYZ KEPTA1 (RNAV)-DP AEVON HANKK Q935 PONCT QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
ZID	BOS	SHD	TFC Overflying ZID ARTCC	ZID ROD KLYNE Q29 JHW Q82 PONCT TRUIZ QUABN3 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
ZTL	BOS	SHD	TFC OVERFLYING ZTL: ORIGINATING SOUTH OF A LINE FROM DFW TO JFK	ZTL GRD J209 RDU J207 FKN J79 JFK ROBUC1 (RNAV)-STAR BOS	DME/DME/IRU or GNSS required
MKE	BTV	H	MKE METRO	MKE SQUIB MKG HOCKE Q935 WOZEE GONZZ LAGGS BTV	
ORD	BTV	H		ORD EBAKE WISMO POSTS PADDE SVM DKK GONZZ LAGGS BTV	
BWI	BUF	H	WASHINTON/BALTIMORE METRO AREA	BWI JERES J220 SFK BUF	
DCA	BUF	H	WASHINTON/BALTIMORE METRO AREA	DCA JERES J220 SFK BUF	

PREFERRED IFR ROUTES

ROUTE DATA

Orig	Dest	Rt Type	Area	Route String	Aircraft
IAD	BUF	H	WASHINTON/BALTIMORE METRO AREA	IAD JERES J220 SFK BUF	
ILM	BUF	HSD		ILM LDN BUF	
WAS	BUF	H	WASHINTON/BALTIMORE METRO AREA	WAS JERES J220 SFK BUF	
YYZ	BUF	H		KEPTA1 WOZEE	TURBOJETS ▲ 90, RNAV
YYZ	BUF	H		MAVAN1 WOZEE	NON-JETS ▲ 90, RNAV
CLE	BWI	H	CLE METRO AREA (CLE CGF BKL LNN LPR)	CLE ACO NUSMM ANTHM1 BWI	RNAV ONLY
DTW	BWI	H	DETROIT SATELLITES, (DET, YQG, PTK, YIP AND ARB)	DTW ACO3 ACO NUSMM ANTHM1 BWI	RNAV ONLY
MDW	BWI	H		MDW LEWKE GIJ OTENS ANEWA JERRI NUSMM ANTHM1 BWI	
MKC	BWI	H		MKC LAKES8 COU STL J24 VHP ROD KMACK ANTHM1 BWI	
MKE	BWI	H		MKE OBK SAMPL ADIME OTENS ANEWA JERRI NUSMM ANTHM1 BWI	
MSP	BWI	H		MSP DLL J34 DJB NUSMM ANTHM STAR BWI	
ORD	BWI	H		ORD MOBLE ADIME OTENS ANEWA JERRI NUSMM ANTHM1 BWI	
PIT	BWI	H		PIT KMACK ANTHM1 BWI	RNAV EQUIPPED
YYZ	BWI	H		DUSOM1 PSB SEG V170 KERYN V499 TRISH	NON-JETS , RNAV
YYZ	BWI	H		RIGUS1 PSB SEG RAV V170 KERYN V499 TRISH	TURBOJETS , RNAV
ZOB	BWI	SHD	TFC OVERFLYING ZID ARTCC OR ZOB ARTCC LNDG WASHINGTON METRO AREA.	ZOB KMACK ANTHM1 BWI	
ZID	CEF	H	For traffic originating North & West of a line from DFW to JFK	ZID ROD KLYNE Q29 JHW Q82 MEMMS WILET STELA1 CEF	DME/DME/IRU or GNSS required
BOS	CLE	H		BOS HYLND3 (RNAV)-DP HYLND CAM Q822 GONZZ JOSSY HAGAR CXR CXR3-STAR CLE	Turbojets Only: DDI or GNSS REQ
JFK	CLE	H		JFK COATE Q436 DGRAF J49 PSB YNG CXR3 CLE	NON-RNAV EQUIPPED ONLY
PWM	CLE	H		PWM HSKEL1 (RNAV)-DP CAM Q822 GONZZ JOSSY HAGAR CXR CXR3 STAR CLE	DME/DME/IRU or GNSS required
SEA	CLE	H	CLEVELAND METRO AREA (CLE.CGF.BKL.LNN.LPR)	SEA BAE J34 VIO HIMEZ2 CLE	
YYZ	CLE	H		BETES1 ERI CXR3	TURBOJETS ▲ 220, RNAV
YYZ	CLE	H		OAKVL1 ERI CXR3	NON-JETS ▲ 220, RNAV
CLE	CLT	H	CLE METRO AREA CGF BKL LNN LPR	CLE DJB HERAK APE HVQ HMV JOHNS3 CLT	RNAV ONLY
JFK	CMH	H		JFK RBV J230 AIR FRICC BREMN-STAR CMH	
YYZ	CMH	H		MIXUT1 GNTRY APE	TURBOJETS 260 ▲, RNAV
YYZ	CMH	H		MIXUT1 YQO APE	TURBOJETS ▲ 240, RNAV
YYZ	CMH	H		PEMBA1 GNTRY APE	NON-JETS 260 ▲, RNAV
YYZ	CMH	H		PEMBA1 YQO APE	NON-JETS ▲ 220, RNAV
ABE	CVG	H		ABE ETX SEG PSB KODIE CTW TIGRR2 CVG	RNAV ONLY
ALB	CVG	H		ALB PAYGE Q822 GONZZ JOSSY MAULL KODIE CTW TIGGR2 (RNAV)-STAR CVG	DME/DME/IRU or GNSS required
BGR	CVG	H		BGR GONZZ JOSSY MAULL KODIE CTW TIGRR2 (RNAV)-STAR CVG	DME/DME/IRU or GNSS required
BTV	CVG	H		BTV GONZZ JOSSY MAULL KODIE CTW TIGRR2 (RNAV)-STAR CVG	Turbojets Only: DDI or GNSS REQ
BUF	CVG	H		BUF BUF JHW KODIE CTW CINCE7 CVG	
BUF	CVG	H		BUF BUF JHW KODIE CTW TIGRR2 CVG	RNAV ONLY
MHT	CVG	H		MHT CAM Q822 GONZZ JOSSY MAULL KODIE CTW TIGRR2 STAR CVG	Turbojets Only: DDI or GNSS REQ
PWM	CVG	H		PWM HSKEL1 (RNAV)-DP CAM Q822 GONZZ JOSSY MAULL KODIE CTW TIGRR2 (RNAV)-STAR CVG	DME/DME/IRU or GNSS required
YYZ	CVG	H		MIXUT1 GNTRY APE.TIGRR2 (RNAV 1)	TURBOJETS 260▲, RNAV
YYZ	CVG	H		MIXUT1 YQO APE.TIGRR2 (RNAV 1)	TURBOJETS ▲ 240, RNAV
YYZ	CVG	H		PEMBA1 GNTRY APE.TIGRR2 (RNAV 1)	NON-JETS 260▲, RNAV
YYZ	CVG	H		PEMBA1 YQO APE.TIGRR2 (RNAV 1)	NON-JETS ▲ 240, RNAV
YYZ	DAY	H		MIXUT1 GNTRY ROD	TURBOJETS 260 ▲,
YYZ	DAY	H		MIXUT1 YQO ROD	TURBOJETS ▲ 240,
YYZ	DAY	H		PEMBA1 GNTRY ROD	NON-JETS 260 ▲,
YYZ	DAY	H		PEMBA1 YQO ROD	NON-JETS ▲ 240,
MDW	DCA	H		MDW LEWKE GIJ OTENS ANEWA JERRI NUSMM BUCKO FRDMM2 DCA	RNAV
MDW	DCA	H	MDW ONLY	MDW LEWKE GIJ OTENS ANEWA JERRI NUSMM BUCKO NUMMY2 DCA	CONV
MKE	DCA	H		MKE OBK SAMPL ADIME OTENS ANEWA JERRI NUSMM BUCKO FRDMM2 DCA	
MKE	DCA	H		MKE OBK SAMPL ADIME OTENS ANEWA JERRI NUSMM BUCKO NUMMY2 DCA	
ORD	DCA	H		ORD MOBLE ADIME OTENS ANEWA JERRI NUSMM BUCKO FRDMM2 DCA	ADVANCED RNAV
ORD	DCA	H		ORD MOBLE ADIME OTENS ANEWA JERRI NUSMM BUCKO NUMMY2 DCA	CONV
YYZ	DCA	H		DUSOM1 PSB V265 KRANT	NON-JETS , RNAV
YYZ	DCA	H		RIGUS1 PSB SKILS2 (J-RNAV 1)	TURBOJETS , RNAV

PREFERRED IFR ROUTES

ROUTE DATA

Orig	Dest	Rt Type	Area	Route String	Aircraft
BDL	DEN	H		BDL CTR CAM ARNII Q816 HOCKE FNT J94 ONL ANCHR2 (RNAV)-STAR DEN	DME/DME/IRU or GNSS required
BOS	DEN	H		BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 HOCKE FNT J94 ONL ANCHR2 (RNAV)-STAR DEN	Turbojets Only: DDI or GNSS REQ
MHT	DEN	H		MHT HANAA Q816 HOCKE FNT J94 ONL ANCHR2 (RNAV)-STAR DEN	Turbojets Only: DDI or GNSS REQ
PVD	DEN	H		PVD PUT CTR CAM ARNII Q816 HOCKE FNT J94 ONL ANCHR2 (RNAV)-STAR DEN	DME/DME/IRU or GNSS required
BDL	DET	H	DETROIT SATELLITES, (DET, YQG, PTK, YIP AND ARB)	BDL CTR CAM ARNII Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 DET	DME/DME/IRU or GNSS required
BOS	DET	H	DETROIT SATELLITES, (DET, YQG, PTK, YIP AND ARB)	BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 DET	Turbojets Only: DDI or GNSS REQ
BUF	DET	H	DETROIT SATELLITES, (DET, YQG, PTK, YIP AND ARB)	BUF COLTS BOREK LOPVO AXXIS GOHMA3 DET	RNAV ONLY
ITH	DET	H	DETROIT SATELLITES, (DET, YQG, PTK, YIP AND ARB)	ITH COLTS BOREK LOPVO AXXIS GOHMA3 DET	RNAV ONLY
JFK	DET	H	DETROIT SATELLITES, (DET, YQG, PTK, YIP AND ARB)	JFK GAYEL Q818 WOZEE COLTS BOREK LOPVO AXXIS GOHMA3 DET	RNAV ONLY
JFK	DET	H	DETROIT SATELLITES, (DET, YQG, PTK, YIP AND ARB)	JFK GAYEL Q818 WOZEE COLTS BOREK LOPVO AXXIS GOHMA STAR DET	
MHT	DET	H	DETROIT SATELLITES, (DET, YQG, PTK, YIP AND ARB)	MHT HANAA Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 DET	DME/DME/IRU or GNSS required
TEB	DET	H	DETROIT SATELLITES, (DET, YQG, PTK, YIP AND ARB)	TEB GAYEL Q818 WOZEE COLTS BOREK LOPVO AXXIS GOHMA3 DET	RNAV EQUIPPED
ALB	DTW	H		ALB ARNII Q816 GOATR BUF SPICA2 DTW	DME/DME/IRU or GNSS required
ATL	DTW	H		ATL SUMMT7 VXV J91 TONIO Q67 COLTZ WEEDA2 DTW	
BDL	DTW	H		BDL CTR CAM ARNII Q816 GOATR BUF SPICA2 DTW	DME/DME/IRU or GNSS required
BDR	DTW	H		BDR GAYEL J95 CFB TRAAD KOOPR YQO SPICA2 DTW	
BGR	DTW	H		BGR GOATR BUF SPICA2 DTW	DME/DME/IRU or GNSS required
BOS	DTW	H		BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 GOATR BUF SPICA2-STAR DTW	Turbojets Only: DDI or GNSS REQ
BTV	DTW	H		BTV GOATR BUF SPICA2 DTW	Turbojets Only: DDI or GNSS REQ
EWR	DTW	H		EWR GAYEL J95 CFB TRAAD KOOPR YQO SPICA2 DTW	
FLL	DTW	H	FT LAUDERDALE METRO AREA: FLL. FXE. PMP	FLL ARKES J113 CRG J53 SPA JONEN Q67 COLTZ WEEDA2 DTW	ALL OTHERS
FLL	DTW	H	FT LAUDERDALE METRO AREA: FLL. FXE. PMP	FLL ARKES ORL J53 CRG J53 SPA JONEN Q67 COLTZ WEEDA2 DTW	ALL OTHERS
FLL	DTW	H	FT LAUDERDALE METRO AREA: FLL. FXE. PMP	FLL ARKES2 ARKES J113 CRG J53 SPA JONEN Q67 COLTZ WEEDA2 DTW	GPS OR DME/DME/IRU EQUIPPED
FLL	DTW	H	FT LAUDERDALE METRO AREA: FLL. FXE. PMP	FLL ARKES2 ARKES ORL J53 CRG J53 SPA JONEN Q67 COLTZ WEEDA2 DTW	GPS OR DME/DME/IRU
GSP	DTW	H		GSP SPA HMV JONEN Q67 COLTZ WEEDA2 DTW	
HPN	DTW	H		HPN GAYEL J95 CFB TRAAD KOOPR YQO SPICA2 DTW	TURBOJETS
JAX	DTW	H		JAX ARNEY1 BAXLY IRQ SPA JONEN Q67 COLTZ WEEDA2 DTW	TS ONLY: DME/DME/IRU OR GPS I
JAX	DTW	H		JAX NOWAY J53 SPA JONEN Q67 COLTZ WEEDA2 DTW	
JFK	DTW	H		JFK GAYEL J95 CFB TRAAD KOOPR YQO SPICA2 DTW	
LGA	DTW	H		LGA GAYEL J95 CFB TRAAD KOOPR YQO SPICA2 DTW	
MCO	DTW	H	FROM ORLANDO INTL ONLY	MCO JAG4 IRQ J53 SPA JONEN Q67 COLTZ WEEDA2 DTW	
MCO	DTW	H		MCO JAG4 IRQ J53 SPA JONEN Q67 COLTZ WEEDA2 DTW	
MHT	DTW	H		MHT HANAA Q816 GOATR BUF SPICA2 DTW	Turbojets Only: DDI or GNSS REQ
MIA	DTW	H		MIA J53 SPA JONEN Q67 COLTZ WEEDA2 DTW	
ORL	DTW	H		ORL VXV J91 TONIO Q67 COLTZ WEEDA2 DTW	
PBI	DTW	H		PBI ORL J53 SPA JONEN Q67 COLTZ WEEDA2 DTW	
PHL	DTW	H		PHL MXE PENSY J110 FLIRT BRNAN Q42 PSYKO KOZAR DJB GEMNI3 DTW	ADVANCED NAV
PIE	DTW	H	TAMPA/ST PETERSBURG METRO AREA	PIE TAY J85 SPA JONEN Q67 COLTZ WEEDA2 DTW	
PVD	DTW	H		PVD PUT CTR CAM ARNII Q816 GOATR BUF SPICA2-STAR DTW	DME/DME/IRU or GNSS required
PWM	DTW	H		PWM HSKEL1 (RNAV)-DP HANAA Q816 GOATR BUF SPICA2 STAR DTW	DME/DME/IRU or GNSS required
RDU	DTW	H		RDU PACK7 AZELL HMV JONEN Q67 COLTZ WEEDA2 DTW	
RSW	DTW	H		RSW CSHEL ORL J53 SPA JONEN Q67 COLTZ WEEDA2 DTW	
SRQ	DTW	H		SRQ PIE TAY J85 SPA JONEN Q67 COLTZ WEEDA2 DTW	
TPA	DTW	H	TAMPA/ST PETERSBURG METRO AREA	TPA TAY J85 SPA JONEN Q67 COLTZ WEEDA2 DTW	
TYS	DTW	H		TYS VXV J91 TONIO Q67 COLTZ WEEDA2 DTW	
YYZ	DTW	H		MIXUT1 YQO SPICA2	TURBOJETS ▲ 220, RNAV
YYZ	DTW	H		PEMBA1 YQO SPICA2	NON-JETS ▲ 220, RNAV
YYZ	ERI	H		BETES1 ERI	TURBOJETS , RNAV
YYZ	ERI	H		OAKVL1 ERI	NON-JETS , RNAV
BUF	EWR	H		BUF V14 BEEPS Q140 KODEY HNK FLOSI3 (RNAV)-STAR EWR	DME/DME/IRU or GNSS required
MKE	EWR	H		MKE SQUIB MKG HOCKE Q935 HANKK Q140 KODEY HNK FLOSI3 EWR	
ROC	EWR	H		ROC BEEPS Q140 KODEY HNK FLOSI3 (RNAV)-STAR EWR	DME/DME/IRU or GNSS required
YUL	EWR	L		YUL FAWNS ALB FLOSI3 EWR	DME/DME/IRU or GNSS required

PREFERRED IFR ROUTES

ROUTE DATA

Orig	Dest	Rt Type	Area	Route String	Aircraft
YUL	EWR	L		YUL FAWNS ALB V489 COATE EWR	
YYZ	EWR	H		KEPTA1 BMPAH AEVON GEE FLOSI3 (RNAV1)	TURBOJETS , RNAV
YYZ	EWR	H		MAVAN1 BMPAH AEVON EXTOL HNK V167 WEARD V489 COATE	NON-JETS , RNAV
YYZ	EWR	H		MAVAN1 BMPAH AEVON GEE FLOSI3 (RNAV1)	NON-JETS , RNAV
YYZ	EWR	H		TEVAD1 AHPAH GEE FLOSI3 (RNAV1)	NON-JETS , RNAV
ZID	EWR	SHD	TFC OVERFLYING ZID ARTCC	ZID KLYNE Q29 DORET J584 FQM3 EWR	
ZID	FRG	SHD	For traffic originating North & West of a line from DFW to JFK	ZID ROD KLYNE Q29 JHW Q82 MEMMS Q140 YODAA IGN V58 DEEDE V44 FRG	DME/DME/IRU or GNSS required
YYZ	GRR	H		GOPUP1 HOCKE	TURBOJETS , RNAV
YYZ	GRR	H		TULEK1 HOCKE	NON-JETS , RNAV
MKE	HPN	H		MKE SQUIB MKG HOCKE Q935 WOZEE ITH DNY VALRE5 HPN	
YYZ	HPN	H		KEPTA1 BMPAH AEVON EXTOL DNY VALRE5 (250K▲)	TURBOJETS , RNAV
YYZ	HPN	H		MAVAN1 BMPAH AEVON EXTOL DNY VALRE5 (250K▲)	NON-JETS , RNAV
YYZ	HPN	H		MAVAN1 BMPAH AEVON EXTOL RKA NOBBI5 (NJ - ▲250K)	NON-JETS , RNAV
YYZ	HPN	H		TEVAD1 AHPAH Q140 EXTOL DNY VALRE5 (250K▲)	NON-JETS , RNAV
ZID	HPN	SHD	For traffic originating North & West of a line from DFW to JFK	ZID ROD KLYNE Q29 JHW Q82 MEMMS WILET DNY NOBBI5 HPN	250 KTS or less: DME/DME/IRU or
ZID	HPN	SHD	For traffic originating North & West of a line from DFW to JFK	ZID ROD KLYNE Q29 JHW Q82 MEMMS WILET DNY VALRE5 HPN	Above 250 KTS: DME/DME/IRU or
MKE	HYA	H		MKE SQUIB MKG HOCKE Q935 WOZEE ENE HYA	
ZBW	HYA	SHD	Traffic entering ZBW originating S & W of a line from HNK to ROC	ZBW Q82 PONCT ENE V167 LFV HYA	DME/DME/IRU or GNSS required
ZBW	HYA	SHD	Traffic entering ZBW originating S & W of a line from HNK to ROC	ZBW Q935 PONCT ENE V167 LFV HYA	DME/DME/IRU or GNSS required
ZBW	HYA	SHD	Traffic entering ZBW originating S & W of a line from HNK to ROC	ZBW Q935 PONCT ENE V167 LFV HYA	DME/DME/IRU or GNSS required
YYZ	IAD	H		MAVAN1 BMPAH AEVON SEG HAR FSTER1	NON-JETS , RNAV
YYZ	IAD	H		MAVAN1 BMPAH AEVON SEG LEGGO GRAVZ1 (RNAV)	NON-JETS , RNAV
YYZ	IAD	H		RIGUS1 PSB FSTER1 (J)	TURBOJETS , RNAV
YYZ	IAD	H		RIGUS1 PSB GRAVZ1 (J-RNAV1)	TURBOJETS , RNAV
YYZ	IAD	H		TEVAD1 AHPAH SEG HAR FSTER1	NON-JETS , RNAV
YYZ	IAD	H		TEVAD1 AHPAH SEG LEGGO GRAVZ1 (RNAV)	NON-JETS , RNAV
ORD	IAG	H		ORD EBAKE WISMO POSTS PADDE SVM DERLO IAG	
EWR	IND	H	AND NEWARK SATELLITES	EWR NEWEL J60 DANNR RAV J64 CASIO ROD CLANG5 IND	RNAV AOB FL250 NON-RNAV
HPN	IND	H		HPN NEWEL J60 DANNR RAV J64 CASIO ROD CLANG5 IND	RNAV AOB FL250 NON-RNAV
LGA	IND	H		LGA NEWEL J60 DANNR RAV J64 CASIO ROD CLANG5 IND	RNAV AOB FL250 NON-RNAV
YYZ	IND	H		MIXUT1 GNTRY ROD CLANG5	TURBOJETS 260 ▲, RNAV
YYZ	IND	H		MIXUT1 YQO ROD CLANG5	TURBOJETS ▲ 240, RNAV
YYZ	IND	H		PEMBA1 GNTRY ROD CLANG5	NON-JETS 260 ▲, RNAV
YYZ	IND	H		PEMBA1 YQO ROD CLANG5	NON-JETS ▲ 240, RNAV
YYZ	ISP	H		KEPTA1 BMPAH AEVON EXTOL HNK NELIE3 (RNAV 1)	TURBOJETS 190 ▲,
YYZ	ISP	H		KEPTA1 BMPAH AEVON HANKK Q935 FABEN ALB NELIE3 (RNAV 1)	TURBOJETS 190 ▲,
YYZ	ISP	H		MAVAN1 BMPAH AEVON EXTOL HNK NELIE3 (RNAV 1)	NON-JETS ,
YYZ	ISP	H		MAVAN1 BMPAH AEVON HANKK FABEN ALB NELIE3 (RNAV 1)	NON-JETS ,
YYZ	ISP	H		TEVAD1 AHPAH EXTOL HNK NELIE3 (RNAV 1)	NON-JETS 190 ▲,
YYZ	ISP	H		TEVAD1 AHPAH HANKK Q935 FABEN ALB NELIE3(RNAV 1)	NON-JETS 190 ▲,
MKC	JFK	H		MKC LAKES8 COU STL J24 VHP ROD KLYNE Q29 JHW J70 LVZ LENDY6 JFK	
MKE	JFK	H		MKE SQUIB MKG HOCKE Q935 HANKK Q140 YODAA IGN IGN1 JFK	
ROC	JFK	H		ROC BEEPS Q140 YODAA IGN IGN1 JFK	DME/DME/IRU or GNSS required
YUL	JFK	H		YUL BUGSY J570 ALB IGN IGN1 JFK	DME/DME/IRU or GNSS required
YYZ	JFK	H		KEPTA1 BMPAH AEVON EXTOL Q140 YODAA IGN IGN1 (F190 ▲- 250K ▲)	TURBOJETS 190 ▲, RNAV
YYZ	JFK	H		MAVAN1 BMPAH AEVON EXTOL ARKKK YODAA IGN IGN1 (F190▲- 250K ▲)	NON-JETS 190 ▲, RNAV
YYZ	JFK	H		MAVAN1 BMPAH AEVON EXTOL DNY PWL2 (NJ - ▲ 250K)	NON-JETS , RNAV
YYZ	JFK	H		TEVAD1 AHPAH Q140 YODAA IGN IGN1 (F190 ▲- 250K ▲)	NON-JETS 190 ▲, RNAV
ZID	JFK	SHD	TFC OVERFLYING ZID ARTCC	ZID KLYNE Q29 JHW J70 LVZ LENDY6 JFK	
BOS	LAS	H		BOS HYLND3 (RNAV)-DP HYLND CAM Q822 GONZZ Q29 KLYNE FYLLS J110 RSK J64 PGS TYSSN3 LAS	Turbojets Only: DDI or GNSS REQ
BOS	LAX	H		BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 HOCKE GRB ODI FSD J114 DVV J60 HEC RIIVR2 LAX	Turbojets Only: DDI or GNSS REQ
EWR	LAX	H		EWR NEWEL J60 DANNR RAV J64 CASIO FYLLS J80 MCI J24 SLN J102 ALS J44 RSK J64 PGS DOWNE4 LAX	NON-RNAV EQUIPPED ONLY
HPN	LAX	H		HPN NEWEL J60 DANNR RAV J64 CASIO FYLLS J80 MCI J24 SLN J102 ALS J44 RSK J64 PGS DOWNE4 LAX	NON-RNAV EQUIPPED ONLY

PREFERRED IFR ROUTES

ROUTE DATA

Orig	Dest	Rt Type	Area	Route String	Aircraft
BUF	LGA	H		BUF NABOR RKA NOBBI5 LGA	DME/DME/IRU or GNSS required
MKE	LGA	H		MKE SQUIB MKG HOCKE Q935 WOZEE NABOR RKA HAARP3 LGA	
MSP	LGA	H		MSP DLL BAE J34 WOOST J146 ETG MIP4 LGA	
ROC	LGA	H		ROC NABOR RKA HAARP3 LGA	DME/DME/IRU or GNSS required
STL	LGA	H		STL GATWY5 ROD KLYNE Q29 WWSHR TEESY J146 ETG MIP4 LGA	
YUL	LGA	H		YUL BUGSY J570 ALB PWL IGN V157 LGA	DME/DME/IRU or GNSS required
YYZ	LGA	H		KEPTA1 BMPAH AEVON EXTOL RKA HAARP3 (250K▲)	TURBOJETS , RNAV
YYZ	LGA	H		MAVAN1 BMPAH AEVON EXTOL RKA HAARP3 (250K▲)	NON-JETS , RNAV
YYZ	LGA	H		MAVAN1 BMPAH AEVON EXTOL RKA NOBBI5 (NJ - ▲250K)	NON-JETS , RNAV
YYZ	LGA	H		TEVAD1 AHPAH EXTOL RKA HAARP3 (250K▲)	NON-JETS , RNAV
YYZ	LGA	H		YYZ TEVAD1 AHPAH NABOR RKA HAARP3 LGA	DME/DME/IRU or GNSS required
ZID	LGA	SHD	TFC OVERFLYING ZID ARTCC	ZID KLYNE Q29 WWSHR TEESY J146 ETG MIP4 LGA	
ORD	MBS	L		ORD PETTY MKG MBS	
BDL	MDW	H		BDL CTR CAM Q822 GONZZ Q29 JHW DJB J60 ASHEN BAGEL PANGG2 (RNAV)-STAR MDW	DME/DME/IRU or GNSS required
BOS	MDW	H		BOS HYLND3 (RNAV)-DP HYLND CAM Q822 GONZZ Q29 JHW DJB J60 ASHEN BAGEL PANGG2 (RNAV)-STAR MDW	Turbojets Only: DDI or GNSS REQ
BUF	MDW	L		BUF BIMRO T608 HOCKE LAN V218 ELX V55 GIJ V156 V92 CGT MDW	RNAV ONLY
CLE	MDW	H	CLEVELAND METRO AREA: (CLE,CGF,BKL,LNN,LPR)	CLE AMRST3 VWV BAGEL PANGG1 MDW	RNAV ONLY
EWR	MDW	H		EWR NEWEL J60 ASHEN BAGEL PANGG2 MDW	
HPN	MDW	H		HPN NEWEL J60 ASHEN BAGEL PANGG2 MDW	
LGA	MDW	H		LGA NEWEL J60 ASHEN BAGEL PANGG2 MDW	
MHT	MDW	H		MHT CAM Q822 GONZZ Q29 JHW DJB J60 ASHEN BAGEL PANGG2 (RNAV)-STAR MDW	DME/DME/IRU or GNSS required
PHL	MDW	H		PHL PTW SARAA RAV PSB J60 ASHEN BAGEL PANGG2 MDW	
PIT	MDW	H		PIT BSV MAYZE J60 ASHEN BAGEL PANGG1 MDW	RNAV ONLY
PVD	MDW	H		PVD PUT CTR CAM Q822 GONZZ Q29 JHW DJB J60 ASHEN BAGEL PANGG2 (RNAV)-STAR MDW	DME/DME/IRU or GNSS required
YYZ	MDW	H		MIXUT1 GNTRY MAYZE J60 ASHEN BAGEL PANGG2 (RNAV 1- 250K▲)	TURBOJETS 260 ▲, RNAV
YYZ	MDW	H		MIXUT1 YQO HAGGA IGROL DROME BAGEL PANGG2	TURBOJETS ▲ 240, RNAV
YYZ	MDW	H		PEMBA1 GNTRY MAYZE J60 ASHEN BAGEL PANGG2 (RNAV1- 250K▲)	NON-JETS 260 ▲, RNAV
YYZ	MDW	H		PEMBA1 YQO HAGGA IGROL DROME BAGEL PANGG2 (RNAV1)	NON-JETS ▲ 240,
DTW	MHT	H	Detroit Satellites (DET, YQG, PTK, YIP, ARB)	DTW MOONN4 JHW Q82 PONCT EEN MHT	DME/DME/IRU or GNSS required
MCO	MHT	H		MCO MLB LENDS AR16 ILM KEMPR SBY J79 JFK ALB POPPP1 STAR MHT	TURBOJETS
MDW	MHT	H		MDW LEWKE GIJ EVOTE NELLS KEEHO JHW Q82 PONCT EEN MHT	
MIA	MHT	H	MIAMI METRO AREA (MIA, HWO, OPF, TMB, HST, X51)	MIA VALLY PERMIT AR16 ILM KEMPR SBY J79 JFK ALB POPPP1 STAR MHT	TURBOJETS
ORD	MHT	H		ORD EBAKE WISMO POSTS PADDE SVM DKK PONCT EEN MHT	
ORL	MHT	H		ORL MLB LENDS AR16 ILM KEMPR SBY J79 JFK ALB POPPP1 STAR MHT	TURBOJETS
PBI	MHT	H		PBI A699 PERMT AR16 ILM KEMPR SBY J79 JFK ALB POPPP1 STAR MHT	TURBOJETS
PHL	MHT	H		PHL DITCH J225 JFK ALB POPPP1 STAR MHT	TURBOJETS
YYZ	MHT	H		KEPTA1 BMPAH AEVON HANKK ALB.POPPP1	TURBOJETS ,
YYZ	MHT	H		MAVAN1 BMPAH AEVON HANKK ALB.POPPP1	NON-JETS ,
YYZ	MHT	H		TEVAD1 AHPAH HANKK ALB.POPPP1	NON-JETS ,
SP	MIA	H		MSP RST7 ALO J233 SKBOZ J45 BNA J73 SZW SSCOT1 MIA	
EWR	MKC	H		EWR NEWEL J60 DANNR RAV J64 CASIO FYLLS J80 SPI BQS4 MKC	NON-RNAV EQUIPPED ONLY
LGA	MKC	H		LGA NEWEL J60 DANNR RAV J64 CASIO FYLLS J80 SPI BQS4 MKC	NON-RNAV EQUIPPED ONLY
BOS	MKE	H		BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 HOCKE MKG V2 SUDDS MKE	Turbojets Only: DDI or GNSS REQ
EWR	MKE	H	AND NEWARK SATELLITES	EWR COATE Q436 RAAKK Q438 RUBYY MKG V2 SUDDS MKE	RNAV EQUIPPED ONLY
HPN	MKE	H		HPN COATE Q436 RAAKK Q438 RUBYY MKG V2 SUDDS MKE	RNAV EQUIPPED ONLY
JFK	MKE	H		JFK COATE Q436 RAAKK Q438 RUBYY MKG V2 SUDDS MKE	RNAV ONLY
LGA	MKE	H		LGA COATE Q436 RAAKK Q438 RUBYY MKG V2 SUDDS MKE	
YYZ	MKE	H		GOPUP1 SLLAP SUDDS	TURBOJETS , RNAV
YYZ	MKE	H		TULEK1 SLLAP SUDDS	NON-JETS , RNAV
ORD	MKG	L		ORD PETTY MKG	
MKE	MMU	H		MKE SQUIB MKG HOCKE Q935 HANKK IGN WEARD V489 COATE MMU	
YYZ	MMU	H		KEPTA1 BMPAH AEVON EXTOL HNK V167 WEARD V489 COATE	TURBOJETS , RNAV
YYZ	MMU	H		MAVAN1 BMPAH AEVON EXTOL HNK V167 WEARD V489 COATE	NON-JETS , RNAV

PREFERRED IFR ROUTES

ROUTE DATA

Orig	Dest	Rt Type	Area	Route String	Aircraft
YYZ	MMU	H		TEVAD1 AHPAH EXTOL HNK V167 WEARD V489 COATE	NON-JETS , RNAV
ZID	MMU	SHD	FOR TRAFFIC ORIGINATING NORTH & WEST OF A LINE FROM DFW TO JFK	ZID KLYNE Q29 JHW LVZ4 MMU	
BDL	MSP	H		BDL CTR CAM ARNII Q816 KELTI Q812 ZOHAN GRB EAU9 MSP	DME/DME/IRU or GNSS required
BOS	MSP	H		BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 KELTI Q812 ZOHAN GRB EAU9 MSP	Turbojets Only: DDI or GNSS REQ
DTW	MSP	H		DTW LAYNE DIRKS GRB EAU9 MSP	RNAV ONLY
EWR	MSP	H		EWR GAYEL Q818 WOZEE NOSIK Q812 ZOHAN GRB EAU9 MSP	DME/DME/IRU or GNSS required
HPN	MSP	H		HPN GAYEL Q812 WOZEE NOSIK ZOHAN GRB EAU9 MSP	
HPN	MSP	H		HPN GAYEL Q818 WOZEE NOSIK Q812 ZOHAN GRB EAU9 MSP	DME/DME/IRU or GNSS required
JFK	MSP	H		JFK GAYEL Q818 WOZEE NOSIK Q812 ZOHAN GRB EAU9 MSP	DME/DME/IRU or GNSS required
LGA	MSP	H		LGA GAYEL Q818 WOZEE NOSIK ZOHAN GRB EAU9 MSP	
PVD	MSP	H		PVD PUT CTR CAM ARNII Q816 KELTI Q812 ZOHAN GRB EAU9 MSP	DME/DME/IRU or GNSS required
PWM	MSP	H		PWM HSKEL1 (RNAV)-DP HANAA Q816 KELTI Q812 ZOHAN GRB EAU9 MSP	DME/DME/IRU or GNSS required
YYZ	MSP	H		NOSIK2 KASED GRB EAU9	NON-JETS , RNAV
YYZ	MSP	H		URSAL2 KASED GRB EAU9	TURBOJETS , RNAV
ZBW	MVY	SHD	Traffic entering ZBW originating S & W of a line from HNK to ROC	ZBW Q82 PONCT ENE V167 LFV MVY	DME/DME/IRU or GNSS required
ZBW	MVY	SHD	Traffic entering ZBW originating S & W of a line from HNK to ROC	ZBW Q935 PONCT ENE V167 LFV MVY	DME/DME/IRU or GNSS required
ZBW	MVY	SHD	Traffic entering ZBW originating S & W of a line from HNK to ROC	ZBW Q935 PONCT ENE V167 LFV MVY	DME/DME/IRU or GNSS required
ALB	ORD	H		ALB PAYGE Q822 FNT WYNDE5 (RNAV)-STAR ORD	DME/DME/IRU or GNSS required
BDL	ORD	H		BDL CTR CAM Q822 FNT WYNDE5 (RNAV)-STAR ORD	DME/DME/IRU or GNSS required
BOS	ORD	H		BOS HYLND3 (RNAV)-DP HYLND CAM Q822 FNT WYNDE5 (RNAV)-STAR ORD	Turbojets Only: DDI or GNSS REQ
BTV	ORD	H		BTV ALVID DEDKI HOCKE FNT WYNDE5 ORD	Turbojets Only: DDI or GNSS REQ
BUF	ORD	L		BUF BIMRO T608 HOCKE PAPPI ORD	RNAV ONLY
MHT	ORD	H		MHT CAM Q822 FNT WYND5 (RNAV)-STAR ORD	Turbojets Only: DDI or GNSS REQ
PVD	ORD	H		PVD PUT CTR CAM Q822 FNT WYNDE5 (RNAV)-STAR ORD	Turbojets Only: DDI or GNSS REQ
PWM	ORD	H		PWM HSKEL1 (RNAV)-DP CAM Q822 FNT WYNDE5 (RNAV)-STAR ORD	DME/DME/IRU or GNSS required
YYZ	ORD	H		GOPUP1 HOCKE FNT WYNDE6 (RNAV1)	TURBOJETS , RNAV
YYZ	ORD	H		TULEK1 HOCKE FNT WYNDE6 (RNAV1)	NON-JETS , RNAV
BOS	PDX	H		BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 HOCKE GRB GEP DPR J16 PDT JKNOX HHOOD2 (RNAV)-STAR PDX	Turbojets Only: DDI or GNSS REQ
YYZ	PHL	H		DUSOM1 PSB BOJID1 (RNAV1)	NON-JETS , RNAV
YYZ	PHL	H		DUSOM1 PSB BUNTS1 (250K▲)	NON-JETS , RNAV
YYZ	PHL	H		DUSOM1 PSB HAR V210 BUNTS	NON-JETS , RNAV
YYZ	PHL	H		RIGUS1 PSB BOJID1 (RNAV1)	TURBOJETS , RNAV
YYZ	PHL	H		RIGUS1 PSB BUNTS1	TURBOJETS , RNAV
BOS	PHX	H		BOS HYLND3 (RNAV)-DP HYLND CAM Q822 GONZZ Q29 KLYNE ROD VHP J110 BUM J19 ZUN EAGUL5 (RNAV)-STAR PHX	Turbojets Only: DDI or GNSS REQ
EWR	PHX	H		EWR NEWEL J60 DANNR RAV J64 CASIO FYLLS J110 STL J19 ZUN BUNTR2 PHX	NON-RNAV EQUIPPED ONLY
HPN	PHX	H		HPN NEWEL J60 DANNR RAV J64 CASIO FYLLS J110 STL J19 ZUN BUNTR2 PHX	NON-RNAV EQUPPED ONLT
LGA	PHX	H		LGA NEWEL J60 DANNR RAV J64 CASIO FYLLS J110 STL J19 ZUN BUNTR2 PHX	NON-RNAV EQUIPPED ONLY
DFW	PIT	H		DFW ZACHH1 BSKAT LIT J131 PXV HNN FEWGA2 PIT	
HOU	PIT	H		HOU LFK7 LIT J131 PXV ROD BSV JESEY1 PIT	DME/DME/IRU OR GPS
IAH	PIT	H		IAH INDIE1 TPAKK LIT J131 PXV ROD BSV JESEY1 PIT	DME/DME/IRU OR GPS REQUIRED
LAX	PIT	H		LAX J146 DVC J197 GLD J192 IOW J146 WOOST J34 DJB V30 ACO JESEY1 PIT	
LAX	PIT	H		LAX JOT J146 WOOST J34 DJB V30 ACO JESEY1 PIT	
MCO	PIT	H	FROM ORLANDO INTL ONLY	MCO MCOY9 SAV J51 CAE RYCKI Q69 RICCS IHD DEMME1 PIT	
MDW	PIT	L		MDW GIJ V6 DJB V30 ACO JESEY1 PIT	
ONT	PIT	H		ONT DAG J146 DVC J197 GLD J192 IOW J146 WOOST J34 DJB V30 ACO JESEY1 PIT	
ORD	PIT	L		ORD GIJ V6 DJB V30 ACO JESEY1 PIT	
ORL	PIT	H		ORL CRG J51 CAE RYCKI Q69 RICCS IHD DEMME1 PIT	
PWM	PIT	H		PWM HSKEL1 CAM ALB J49 HNK SLT HAYNZ3 PIT	
RDU	PIT	H		RDU PACK7 ROA RICCS IHD DEMME1 PIT	
SAN	PIT	H		SAN DVC J197 GLD J192 IOW J146 WOOST J34 DJB V30 ACO JESEY1 PIT	
SAN	PIT	H		SAN JOT J146 J34 DJB V30 ACO JESEY1 PIT	
SFO	PIT	H		SFO FMG J94 BFF OBH DSM IOW J60 JOT J146 J34 DJB V30 ACO CUTTA PIT	
YYZ	PIT	H		BETES1 ERI YNG JESEY1 (RNAV1)	TURBOJETS , RNAV

PREFERRED IFR ROUTES

ROUTE DATA

Orig	Dest	Rt Type	Area	Route String	Aircraft
YYZ	PIT	H		OAKVL1 ERI YNG JESEY1 (RNAV1)	NON-JETS , RNAV
BDL	PTK	H	Detroit Satellites	BDL CTR CAM ARNII Q816 GOATR COLTS BOREK LOPVO AXXIS SWWAN2 PTK	DME/DME/IRU or GNSS required
BOS	PTK	H	Detroit Satellites	BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 GOATR COLTS BOREK LOPVO AXXIS SWWAN2 PTK	Turbojets Only: DDI or GNSS REQ
ITH	PTK	H	DETROIT SATELLITE	ITH COLTS BOREK LOPVO AXXIS SWWAN2 PTK	RNAV ONLY
JFK	PTK	H		JFK GAYEL Q818 WOZEE COLTS BOREK LOPVO AXXIS SWWAN2 PTK	RNAV ONLY
MHT	PTK	H	Detroit Satellites	MHT HANAA Q816 GOATR COLTS BOREK LOPVO AXXIS SWWAN1 PTK	DME/DME/IRU or GNSS required
PVD	PTK	H	Detroit Satellites	PVD PUT CTR CAM ARNII Q816 GOATR COLTS BOREK LOPVO AXXIS SWWAN2 PTK	DME/DME/IRU or GNSS required
TEB	PTK	H	DETROIT SATELLITE	TEB GAYEL Q818 WOZEE COLTS BOREK LOPVO AXXIS SWWAN2 PTK	RNAV EQUIPPED
YYZ	PTK	H		MIXUT1 DERLO AXXIS SWWAN2	TURBOJETS ▲ 220, RNAV
YYZ	PTK	H		PEMBA1 DERLO AXXIS SWWAN2	NON-JETS ▲ 220, RNAV
DTW	PVD	H	Detroit Satellites (DET, YQG, PTK, YIP, ARB)	DTW MOONN4 JHW Q82 MEMMS HINGZ WIPOR2 PVD	DME/DME/IRU or GNSS required
MDW	PVD	H		MDW LEWKE GIJ EVOTE NELLS KEEHO JHW Q82 MEMMS HINGZ WIPOR2 PVD	
MKE	PVD	H		MKE SQUIB MKG HOCKE Q935 HANKK Q140 ARKKK HINGZ WIPOR2 PVD	
ORD	PVD	H		ORD DUFEE ELX HAAKK DOXXY SOSIC JHW Q82 MEMMS Q140 KODEY HINGZ WIPOR2 PVD	RNAV ONLY
YYZ	PVD	H		KEPTA1 BMPAH AEVON EXTOL HNK WIPOR2 (RNAV1)	TURBOJETS , RNAV
YYZ	PVD	H		KEPTA1 BMPAH AEVON FABEN ALB WIPOR2 (RNAV1)	TURBOJETS , RNAV
YYZ	PVD	H		MAVAN1 BMPAH AEVON EXTOL HNK WIPOR2 (RNAV1)	NON-JETS , RNAV
YYZ	PVD	H		MAVAN1 BMPAH AEVON HANKK FABEN ALB WIPOR2 (RNAV1)	NON-JETS , RNAV
YYZ	PVD	H		TEVAD1 AHPAH EXTOL HNK WIPOR2 (RNAV1)	NON-JETS , RNAV
YYZ	PVD	H		TEVAD1 AHPAH HANKK FABEN ALB WIPOR2 (RNAV1)	NON-JETS , RNAV
DTW	PWM	H	Detroit Satellites (DET, YQG, PTK, YIP and ARB)	DTW MOONN4 JHW Q82 PONCT CAM CDOGG2 PWM	DME/DME/IRU or GNSS required
MKE	PWM	H		MKE SQUIB MKG ECK HOCKE Q935 PONCT CAM CDOGG2 PWM	
YYZ	ROC	H		KEPTA1 BMPAH	TURBOJETS , RNAV
YYZ	ROC	H		MAVAN1 BMPAH	NON-JETS , RNAV
YYZ	SDF	H		MIXUT1 GNTRY ROD RDSTN4	TURBOJETS 260 ▲,
YYZ	SDF	H		MIXUT1 YQO ROD RDSTN4	TURBOJETS ▲ 240,
YYZ	SDF	H		PEMBA1 GNTRY ROD RDSTN4	NON-JETS 260 ▲,
YYZ	SDF	H		PEMBA1 YQO ROD RDSTN4	NON-JETS ▲ 240,
BOS	SEA	H		BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 HOCKE GRB GEP ABR J90 HLN J136 MLP GLASR9 SEA	Turbojets Only: DDI or GNSS REQ
BOS	SFO	H		BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 HOCKE GRB GEP ABR J32 FMG GOLDN6 SFO	Turbojets Only: DDI or GNSS REQ
EWR	SFO	H		EWR GAYEL Q818 WOZEE Q935 HOCKE GRB GEP ABR J32 FMG GOLDN6 SFO	DME/DME/IRU or GNSS required
JFK	SFO	H		JFK GAYEL Q818 WOZEE Q935 HOCKE GRB GEP ABR J32 FMG GOLDN6 SFO	
YYZ	SFO	H		YYZ GRB GEP ABR J32 FMG GOLDN6 SFO	
BOS	SLC	H		BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 HOCKE BAE DBQ J94 OCS NORDK3 (RNAV)-STAR SLC	Turbojets Only: DDI or GNSS REQ
EWR	SLC	H	AND NEWARK SATELLITES	EWR GAYEL Q818 WOZEE Q935 HOCKE BAE DBQ J94 OCS NORDK3 SLC	DME/DME/IRU or GNSS required
HPN	SLC	H		HPN GAYEL Q818 WOZEE Q935 HOCKE BAE DBQ J94 OCS NORDK3 SLC	
JFK	SLC	H		JFK GAYEL Q818 WOZEE Q935 HOCKE BAE DBQ J94 OCS NORDK3 SLC	
LGA	SLC	H		LGA GAYEL Q818 WOZEE Q935 HOCKE BAE DBQ J94 OCS NORDK3 SLC	
EWR	STL	H		EWR NEWEL J60 DANNR RAV J64 CASIO FYLLS J80 VHP VLA8 STL	NON-RNAV EQUIPPED ONLY
HPN	STL	H		HPN NEWEL J60 DANNR RAV J64 CASIO FYLLS J80 VHP VLA8 STL	NON-RNAV EQUIPPED ONLY
LGA	STL	H		LGA NEWEL J60 DANNR RAV J64 CASIO FYLLS J80 VHP VLA8 STL	NON-RNAV EQUIPPED ONLY
YYZ	SWF	H		KEPTA1 BMPAH AEVON EXTOL DNY V483 FILPS	TURBOJETS , RNAV
YYZ	SWF	H		MAVAN1 BMPAH AEVON EXTOL DNY V483 FILPS	NON-JETS , RNAV
YYZ	SWF	H		TEVAD1 AHPAH EXTOL DNY V483 FILPS	NON-JETS , RNAV
MKE	SYR	H		MKE SQUIB MKG HOCKE Q935 WOZEE SYR	
YYZ	SYR	H		KEPTA1 BMPAH SYR	TURBOJETS , RNAV
YYZ	SYR	H		MAVAN1 BMPAH SYR	NON-JETS , RNAV
YYZ	SYR	H		TEVAD1 AHPAH SYR	NON-JETS , RNAV
MKE	TEB	H		MKE SQUIB MKG HOCKE Q935 HANKK IGN WEARD V489 COATE TEB	
YYZ	TEB	H		KEPTA1 BMPAH AEVON EXTOL HNK V167 WEARD V489 COATE	TURBOJETS , RNAV
YYZ	TEB	H		MAVAN1 BMPAH AEVON EXTOL HNK V167 WEARD V489 COATE	NON-JETS , RNAV
YYZ	TEB	H		TEVAD1 AHPAH EXTOL HNK V167 WEARD V489 COATE	NON-JETS , RNAV
ZID	TEB	SHD	FOR TRAFFIC ORIGINATING NORTH & WEST OF A LINE FROM DFW TO JFK	ZID KLYNE Q29 JHW LVZ4 TEB	

PREFERRED IFR ROUTES

ROUTE DATA

Orig	Dest	Rt Type	Area	Route String	Aircraft
YYZ	TOL	H		MIXUT1 YQO TOL	TURBOJETS ▲ 220, RNAV
YYZ	TOL	H		PEMBA1 YQO TOL	NON-JETS ▲ 220, RNAV
YYZ	YAM	H		AVSEP2 ROTMA	TURBOJETS , RNAV
YYZ	YAM	H		NUGOP2 ROTMA	NON-JETS , RNAV
BDL	YIP	H	Detroit Satellites	BDL CTR CAM ARNII Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 YIP	DME/DME/IRU or GNSS required
BOS	YIP	H	Detroit Satellites	BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 YIP	Turbojets Only: DDI or GNSS REQ
ITH	YIP	H	DETROIT SATELLITE	ITH COLTS BOREK LOPVO AXXIS GOHMA3 YIP	RNAV ONLY
MHT	YIP	H	Detroit Satellites	MHT HANAA Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 YIP	DME/DME/IRU or GNSS required
PVD	YIP	H	Detroit Satellites	PVD PUT CTR CAM ARNII Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 YIP	DME/DME/IRU or GNSS required
TEB	YIP	H	DETROIT SATELLITE	TEB GAYEL Q818 WOZEE COLTS BOREK LOPVO AXXIS GOHMA3 YIP	RNAV EQUIPPED
YYZ	YIP	H		MIXUT1 DERLO AXXIS GOHMA3	TURBOJETS ▲ 220, RNAV
YYZ	YIP	H		PEMBA1 DERLO AXXIS GOHMA3	NON-JETS ▲ 220, RNAV
ORD	YKF	H		EBAKE POST PADDE SVM DERLO	, RNAV
BDL	YQG	H	Detroit Satellites	BDL CTR CAM ARNII Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 YQG	DME/DME/IRU or GNSS required
BOS	YQG	H	Detroit Satellites	BOS HYLND3 (RNAV)-DP HYLND HANAA Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 YQG	Turbojets Only: DDI or GNSS REQ
ITH	YQG	H	DETROIT SATELLITE	ITH COLTS BOREK LOPVO AXXIS GOHMA3 YQG	RNAV ONLY
MHT	YQG	H	Detroit Satellites	MHT HANAA Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 YQG	DME/DME/IRU or GNSS required
PVD	YQG	H	Detroit Satellites	PVD PUT CTR CAM ARNII Q816 GOATR COLTS BOREK LOPVO AXXIS GOHMA3 YQG	DME/DME/IRU or GNSS required
YYZ	YQG	H		MIXUT1 DERLO AXXIS GOHMA3	TURBOJETS ▲ 220,
YYZ	YQG	H		PEMBA1 DERLO AXXIS GOHMA3	NON-JETS ▲ 220,
YYZ	YSB	H		IKLEN1 TONNY	TURBOJETS , RNAV
YYZ	YSB	H		MATES4 TONNY	NON-JETS , RNAV
YYZ	YSB	H		YEE	,
YYZ	YTS	H		IKLEN1 TONNY	TURBOJETS , RNAV
YYZ	YTS	H		MATES4 TONNY	NON-JETS , RNAV
YYZ	YTS	H		YEE YSB	,
MDW	YTZ	H		LEWKE GIJ EVOTE NELLS YQO SN	NON-JETS , RNAV
BDR	YUL	H		BDR GREKI JUDDS CAM LATTS CARTR (RNAV)-STAR YUL	DME/DME/IRU or GNSS required
BOS	YUL	H		BOS HYLND (RNAV)-DP HYLND LATTS CARTR (RNAV)-STAR YUL	DME/DME/IRU or GNSS required
EWR	YUL	L		EWR BDR V91 BOWAN V487 BTV LATTS CARTR STAR YUL	
EWR	YUL	H		EWR GREKI JUDDS CAM LATTS CARTR (RNAV)-STAR YUL	DME/DME/IRU or GNSS required
EWR	YUL	H	from EWR satellites	EWR GREKI JUDDS CAM LATTS CARTR (RNAV)-STAR YUL	DME/DME/IRU or GNSS required
HPN	YUL	H		HPN GREKI JUDDS CAM LATTS CARTR (RNAV)-STAR YUL	DME/DME/IRU or GNSS required
HPN	YUL	L		HPN GREKI V39 SOARS V487 BTV LATTS CARTR STAR YUL	
HVN	YUL	H		HVN GREKI JUDDS CAM LATTS CARTR (RNAV)-STAR YUL	DME/DME/IRU or GNSS required
ISP	YUL	H		ISP GREKI JUDDS CAM LATTS CARTR (RNAV)-STAR YUL	DME/DME/IRU or GNSS required
JFK	YUL	L		JFK BDR V91 BOWAN V487 BTV LATTS CARTR STAR YUL	
JFK	YUL	H		JFK GREKI JUDDS CAM LATTS CARTR (RNAV)-STAR YUL	DME/DME/IRU or GNSS required
LGA	YUL	L		LGA BDR V91 BOWAN V487 BTV LATTS CARTR STAR YUL	
LGA	YUL	H		LGA GREKI JUDDS CAM LATTS CARTR (RNAV)-STAR YUL	DME/DME/IRU or GNSS required
MKE	YUL	H	MKE Metro	MKE SQUIB MKG HOCKE Q905 SIKBO Q951 SANIN MIGLO HABBS HABBS STAR YUL	DME/DME/IRU or GNSS required
PHL	YUL	H	and PNE	PHL DITCH J225 JFK CMK CAM LATTS CARTR (RNAV)-STAR YUL	DME/DME/IRU or GNSS required
TEB	YUL	H	from TEB only	TEB BREZY CMK GREKI JUDDS CAM LATTS CARTR (RNAV)-STAR YUL	DME/DME/IRU or GNSS required
YYZ	YWG	H		AVSEP2 LITMO SSM GOVIT GOVIT6 (RNAV)	TURBOJETS , RNAV
YYZ	YWG	H		NUGOP2 LITMO SSM GOVIT GOVIT6 (RNAV)	NON-JETS , RNAV
YYZ	YWG	H		URSAL2 KASED GOVIT GOVIT6 (RNAV)	TURBOJETS , RNAV
YYZ	YXU	H		MIXUT1 DERLO	TURBOJETS , RNAV
YYZ	YXU	H		PEMBA1 DERLO	NON-JETS , RNAV
YYZ	YYB	H		IKLEN1 TONNY	, RNAV
YYZ	YYB	H		MATES4 TONNY	NON-JETS , RNAV
BNA	YYZ	H		BNA J39 ROD QWERI NUBER-STAR YYZ	
BOS	YYZ	H		BOS HYLND3 (RNAV)-DP HYLND CAM Q822 GONZZ WOZEE LINNG (RNAV)-STAR CYYZ	Turbojets Only: DDI or GNSS REQ
DSD	YYZ	H	DOMINICAN REPUBLIC TERMINALS: (MDSD, MDPC, MDLR, MDST, MDPP, MDJB, MDCT)	MDSD BESAS L464 CERDA L451 OLDEY AR3 CLB ILM LDN WOZEE LINNG (RNAV) STAR CYYZ	

By Arrival

PREFERRED IFR ROUTES

ROUTE DATA

Orig	Dest	Rt Type	Area	Route String	Aircraft
DSD	YYZ	H	DOMINICAN REPUBLIC TERMINALS: (MDSD, MDPC, MDLR, MDST, MDPP, MDJB, MDCT)	MDSD BESAS L464 LAMER L453 AZEZU BERGH L454 JFK CFB WOZEE LINNG STAR CYYZ	
DSD	YYZ	H	DOMINICAN REPUBLIC TERMINALS: (MDSD, MDPC, MDLR, MDST, MDPP, MDJB, MDCT)	MDSD JUELE L463 NUCAR AR3 CLB ILM LDN WOZEE LINNG (RNAV)-STAR CYYZ	
EWR	YYZ	H	AND NEWARK SATELLITES	EWR GAYEL Q818 WOZEE LINNG-STAR YYZ	RNAV EQUIPPED ONLY
EWR	YYZ	L	NEW YORK METRO AREA	EWR COATE LAAYK ULW WOZEE VERKO- STAR YYZ	
EWR	YYZ	H	AND NEWARK SATELLITES	EWR COATE Q436 MTCAF ULW WOZEE VERKO-STAR YYZ	PROPS
FLL	YYZ	H	FT LAUDERDALE METRO AREA: FLL. FXE. PMP	FLL ARKES J113 CRG J51 CAE RYCKI Q69 RICCS OXMAN LINNG-STAR YYZ	ALL OTHERS
FLL	YYZ	H	FT LAUDERDALE METRO AREA: FLL. FXE. PMP	FLL ARKES2 ARKES J113 CRG J51 CAE RYCKI Q69 RICCS OXMAN LINNG-STAR YYZ	GPS OR DME/DME/IRU
FLL	YYZ	H	FT LAUDERDALE METRO AREA: FLL. FXE. PMP	FLL ARKES2 ARKES ORL J53 CRG J51 CAE RYCKI Q69 RICCS OXMAN LINNG-STAR YYZ	GPS OR DME/DME/IRU EQUIPPED
FLL	YYZ	H	FT LAUDERDALE METRO AREA: FLL. FXE. PMP	FLL ZAPPA2 ZAPPA PERMT AR16 ILM LDN WOZEE LINNG-STAR YYZ	GPS OR DME/DME/IRU EQUIPPED
HPN	YYZ	H		HPN GAYEL Q818 WOZEE LINNG-STAR YYZ	
HPN	YYZ	L		HPN COATE LAAYK ULW WOZEE LINNG-STAR YYZ	
JFK	YYZ	H		JFK GAYLE Q818 WOZEE LINNG-STAR YYZ	
JFK	YYZ	L		JFK COATE LAAYK ULW WOZEE VERKO-STAR YYZ	
JFK	YYZ	L		JFK GAYEL V374 CFB V270 ULW WOZEE VERKO-STAR YYZ	
LGA	YYZ	H		LGA GAYEL Q818 WOZEE LINNG-STAR YYZ	RNAV ONLY
LGA	YYZ	L	NEW YORK METRO AREA	LGA COATE LAAYK ULW WOZEE VERKO-STAR YYZ	
LGA	YYZ	H		LGA COATE Q436 MTCAF ULW WOZEE VERKO-STAR YYZ YYZ	PROPS
MCO	YYZ	H		MCO MLB LENDS AR16 ILM KEMPR SBY J79 JFK CFB WOZEE LINNG-STAR YYZ	RNAV ONLY
MCO	YYZ	H		MCO MLB LENDS AR16 ILM KEMPR SBY J79 JFK CFB WOZEE LINNG STAR YYZ	TURBOJETS
MIA	YYZ	H	MIAMI METRO AREA (HWO. OPF. TMB. HST. X51)	MIA VALLY PERMT AR16 ILM LDN WOZEE LINNG-STAR YYZ	TURBOJETS
MKE	YYZ	H	MKE Metro	MKE SQUIB MKG MONEE NUBER1 YYZ	
ORL	YYZ	H		ORL MLB LENDS AR16 ILM LDN WOZEE LINNG-STAR YYZ	RNAV ONLY
PBI	YYZ	H		PBI A699 PERMT AR16 ILM LDN WOZEE LINNG-STAR YYZ	TURBOJETS
PHL	YYZ	L		PHL PTW CHLSE V499 DIANO V164 FQM V31 ULW WOZEE LINNG-STAR YYZ	
PHL	YYZ	H		PHL PTW SARAA J64 RAV PSB WOZEE LINNG-STAR YYZ	RNAV EQUIPPED
QG	YYZ	H		PISTN HEMIS APDAX.NAKBO1	NON-JETS , RNAV
ROC	YYZ	H		ROC LOKPU.LINNG5	TURBOJETS , RNAV
ROC	YYZ	H		ROC LOKPU.VERKO3	NON-JETS , RNAV
SFO	YYZ	H		SFO FMG J32 ABR J70 GEP GRB YZEMN NUBER-STAR YYZ	
YQG	YYZ	H		PISTN APDAX.NUBER1	TURBOJETS , RNAV
YXU	YYZ	H		NUBER.NAKBO1	NON-JETS , RNAV
YXU	YYZ	H		NUBER.NAKNO1	TURBOJETS , RNAV
EWC	ZJX	H	TFC OVERFLYING ZDC SBND ORIGINATING NORTH OF ZDC AND LANDING SOUTH OF ZDC	AIRRA Q103 PSK CAE ZJX	TURBOJET

Windsor-**T**oronto-**M**ontreal Route Equivalency Sheet

LEGACY ROUTE	ACTION	RNAV REPLACEMENT	NOTES
J16	Amended	Q935	The segment east of BAE, WI to BOS, MA is removed
J29	Amended	Q29	The segment northeast of PXV, IN to DUSOM, ME is removed
J38	Decommissioned	NONE	
J43	Amended	NONE	
J53	Amended	Q103	The segment from PSK, VA to EWC, PA is removed
J61	Amended	NONE	The segment from PSB, PA to BUF, NY is removed
J63	Decommissioned	Q812	
J78	Amended	Q71	The segment from HVQ, WV to MIP, PA is removed
J82	Amended	Q82	The segment east of GSH, IN to ALB, NY is removed
J91	Amended	NONE	The segment northeast of HNN, WV to AIR, OH is removed
J94	Amended	Q935	The segment east of FNT, MI to BOS, MA is removed
J95	Amended	Q818	The segment northwest of CFB, NY to YYZ, Canada is removed
J106	Amended	NONE	The segment from GEP, MN to JHW, NY is removed
J109	Amended	NONE	The segment from LDN, VA to BUF, NY is removed
J145	Amended	Q145	The segment northeast of HVQ, WV to EWC, PA is removed
J185	Decommissioned	NONE	
J220	Amended	NONE	The segment from SFK, NY to BUF, NY is removed
J481	Decommissioned	NONE	
J488	Decommissioned	NONE	
J490	Decommissioned	NONE	
J500	Decommissioned	NONE	
J509	Decommissioned	NONE	
J513	Decommissioned	NONE	The segment from YQT to YYB is removed
J522	Decommissioned	Q140	
J524	Decommissioned	NONE	
J525	Decommissioned	BOXUM Arrival - CYYZ	The segment from YSP to YYZ
J531	Decommissioned	Q917	
J545	Decommissioned	NONE	The segment from DJB to YVO

High Level Air Route Deletions

Windsor-**T**oronto-**M**ontreal Route Equivalency Sheet

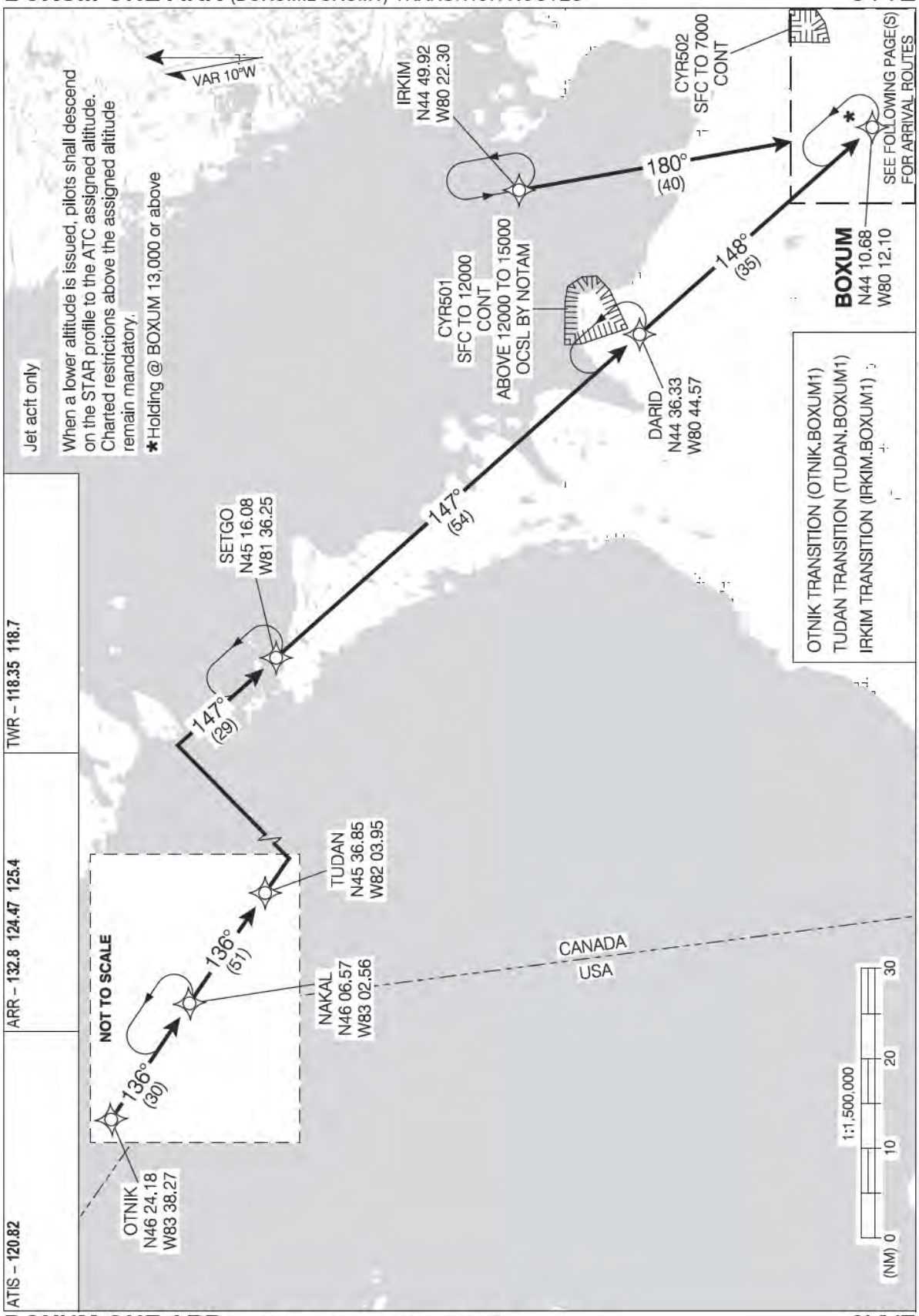
LEGACY ROUTE	ACTION	RNAV REPLACEMENT	NOTES
J547	Amended	Q822	The segment east of FNT, MI to ENE, ME is removed
J548	Amended	NONE	The segment northeast of TVC, MI to YTS, Canada is removed
J551	Decommissioned	Q923	
J553	Decommissioned	Q824	
J556	Decommissioned	NONE	
J557	Decommissioned	NONE	
J559	Decommissioned	NONE	
J560	Decommissioned	NONE	
J564	Decommissioned	NONE	
J566	Decommissioned	NONE	
J567	Decommissioned	NONE	
J581	Decommissioned	NONE	
J586	Decommissioned	NONE	
J587	Decommissioned	NONE	
J588	Decommissioned	NONE	
J594	Decommissioned	NONE	
J595	Decommissioned	NONE	
J596	Decommissioned	NONE	The segment from YSP to YYB
J597	Decommissioned	Q806	
J600	Decommissioned	NONE	
Q501	Decommissioned	CAN ROUTES	
Q502	Decommissioned	CAN ROUTES	
Q504	Decommissioned	CAN ROUTES	
Q505	Decommissioned	CAN ROUTES	
Q975	Decommissioned	Q951	Extension of existing Q951

Pref Route Changes by Airport

KABE	KBWI	KGRR	KLAX	KORD	KSDF	CYSB
KACK	KCEF	KGSP	KLGA	KORL	KSEA	CYTS
KACY	KCLE	KHOU	KMBS	KPBI	KSFO	CYTZ
KADW	KCLT	KHPN	KMCO	KPDX	KSLC	CYUL
KAGC	KCMH	KHVN	KMDW	KPHL	KSRQ	CYWG
KAKR	KCVG	KHYA	KMEM	KPHX	KSTL	CYXU
KALB	KDAY	KIAD	KMHT	KPIE	KSWF	CYYB
KARB	KDCA	KIAG	KMIA	KPIT	KSYR	CYYZ
KATL	KDEN	KIAH	KMKC	KPTK	KTEB	
KBDL	KDET	KILM	KMKE	KPVD	KTOL	
KBDR	KDFW	KIND	KMKG	KPWM	KTPA	
KBED	KDTW	KISP	KMMU	KQG	KTYS	
KBGR	KERI	KITH	KMSP	KRDU	CYAM	
KBNA	KEWR	KJAX	KMSY	KROC	KYIP	
KBOS	KFLL	KJFK	KMVY	KRSW	CYKF	
KBTV	KFRG	KLAS	KONT	KSAN	CYQG	

BOXUM ONE ARR (BOXUM.BOXUM1) TRANSITION ROUTES

CYYZ



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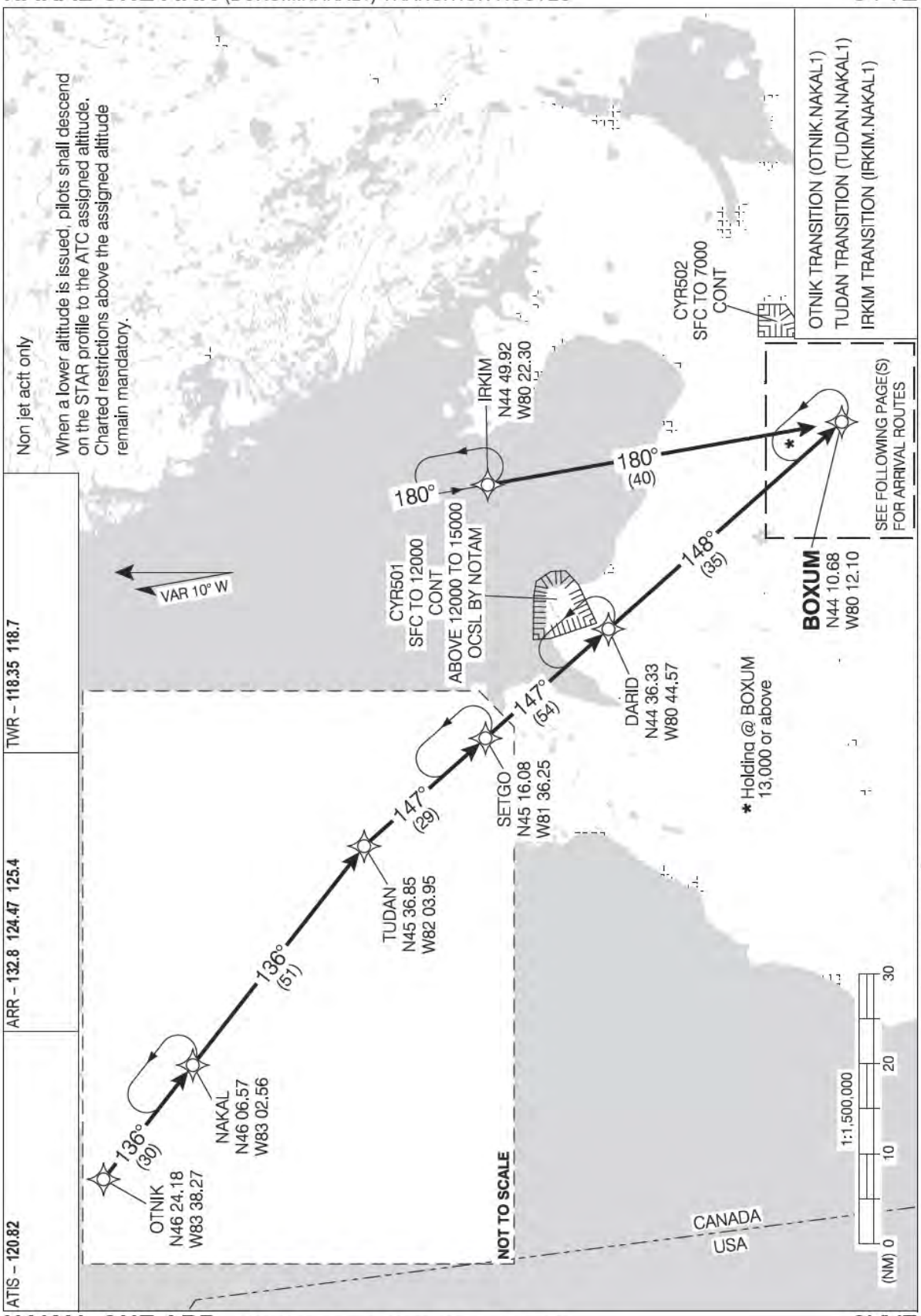
NAKAL ONE ARR (BOXUM.NAKAL1) TRANSITION ROUTES

CYYZ



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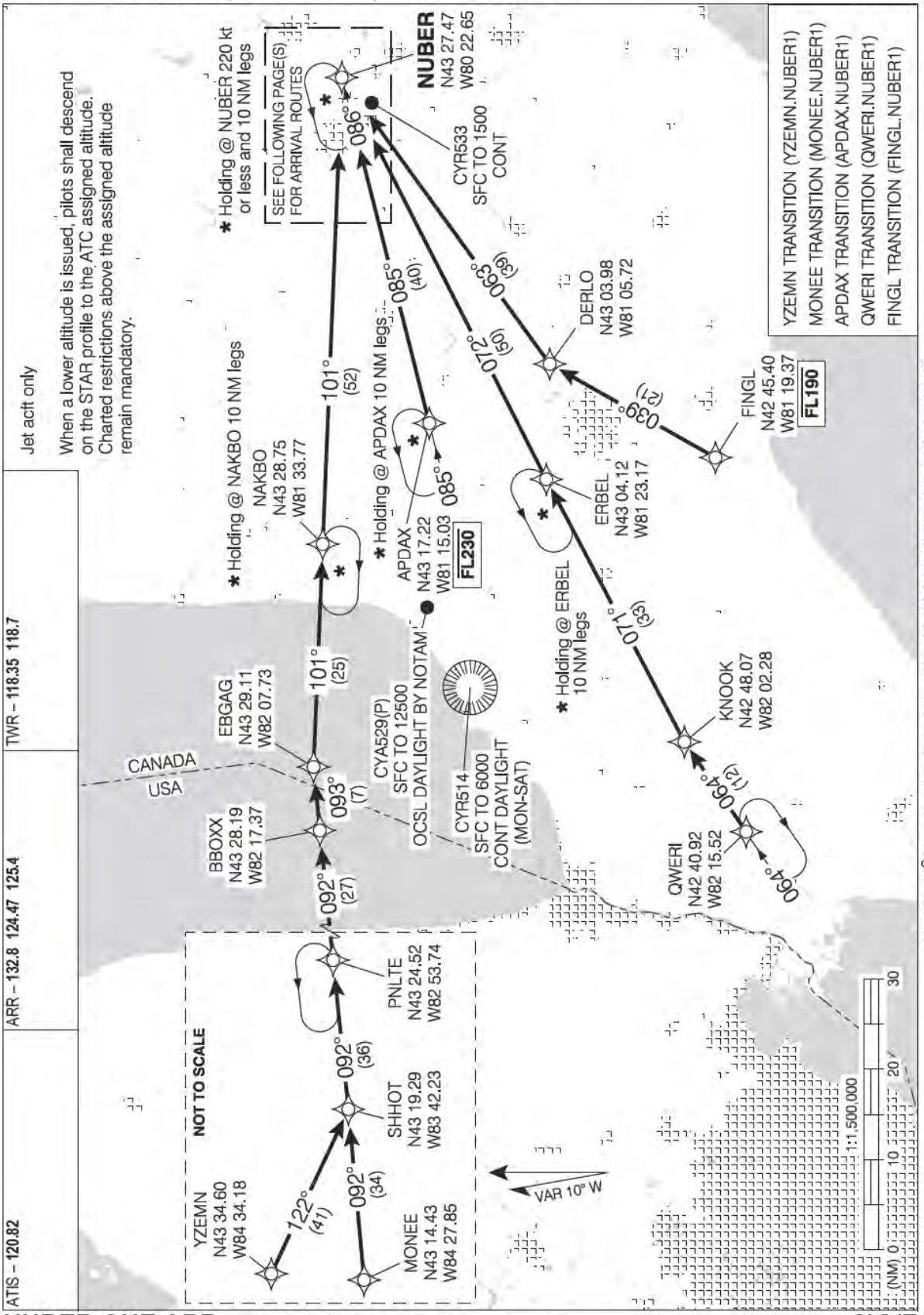
NAKAL ONE ARR (BOXUM.NAKAL1) TRANSITION ROUTES
CYYZ

NUBER ONE ARR (NUBER.NUBER1) TRANSITION ROUTES

CYYZ



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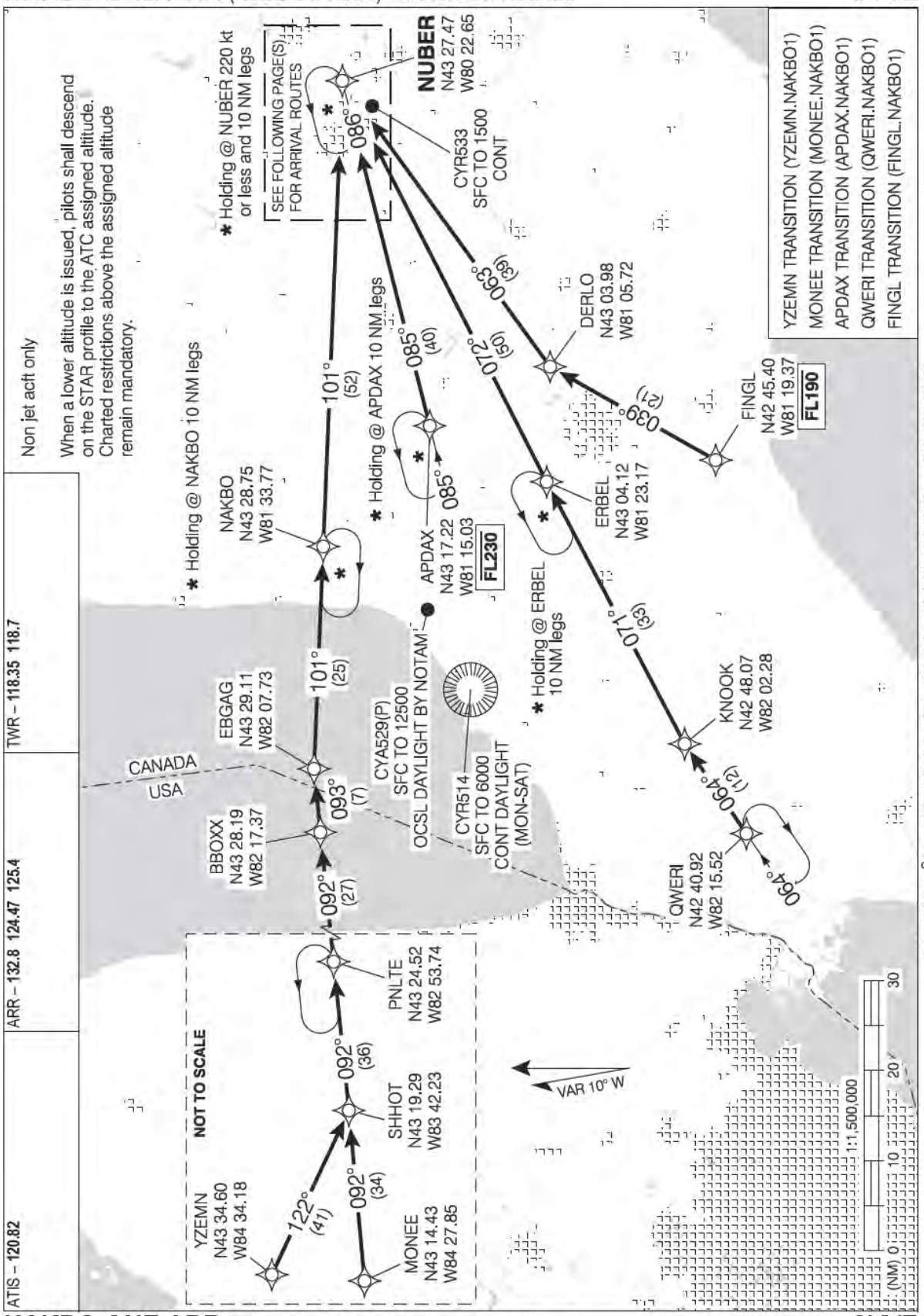
NAKBO ONE ARR (NUBER.NAKBO1) TRANSITION ROUTES

CYYZ



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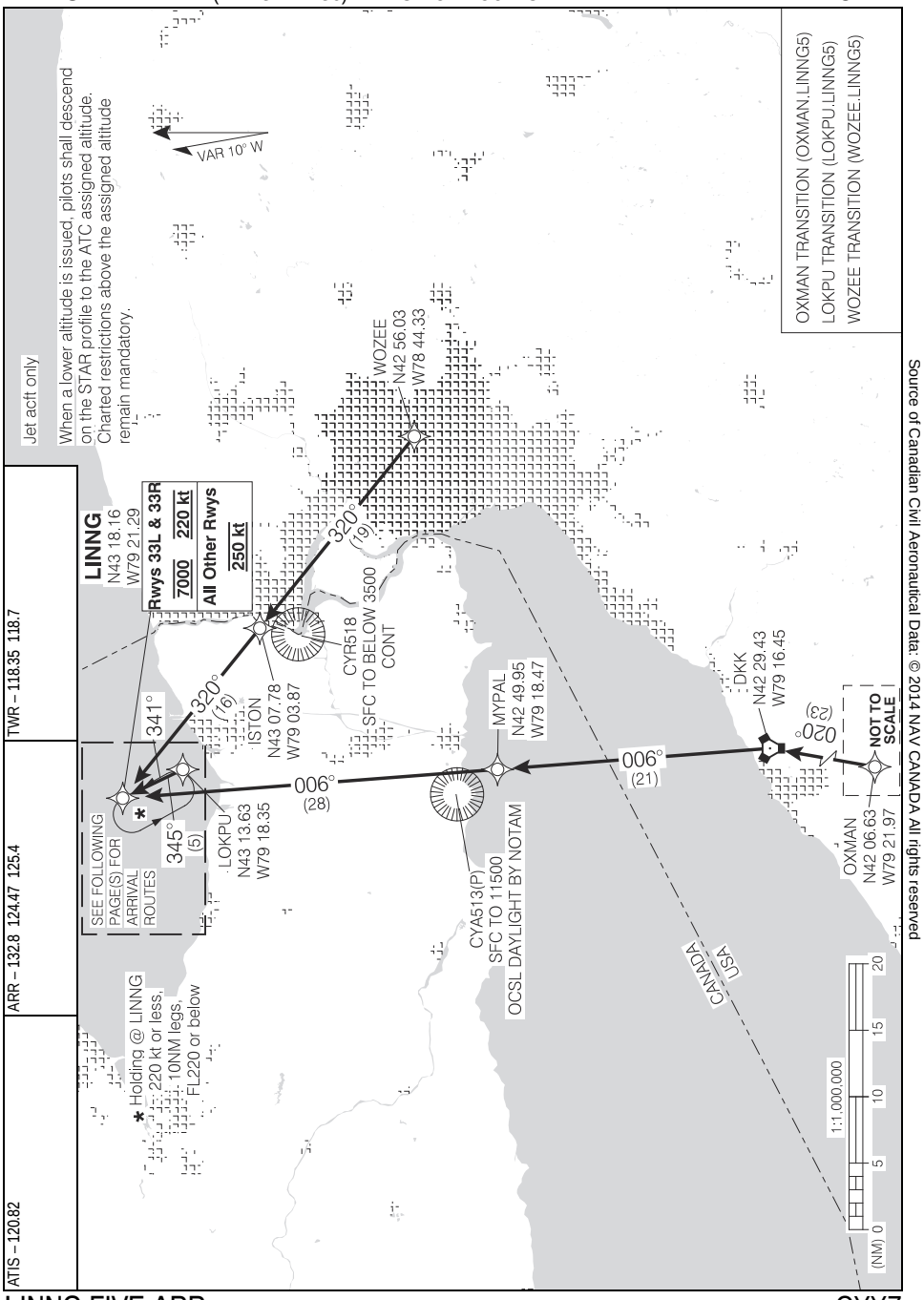
STAR (RNAV) TORONTO/LESTER B. PEARSON INTL, ON

LINNG FIVE ARR (LINNG.LINNG5) TRANSITION ROUTES CYYZ



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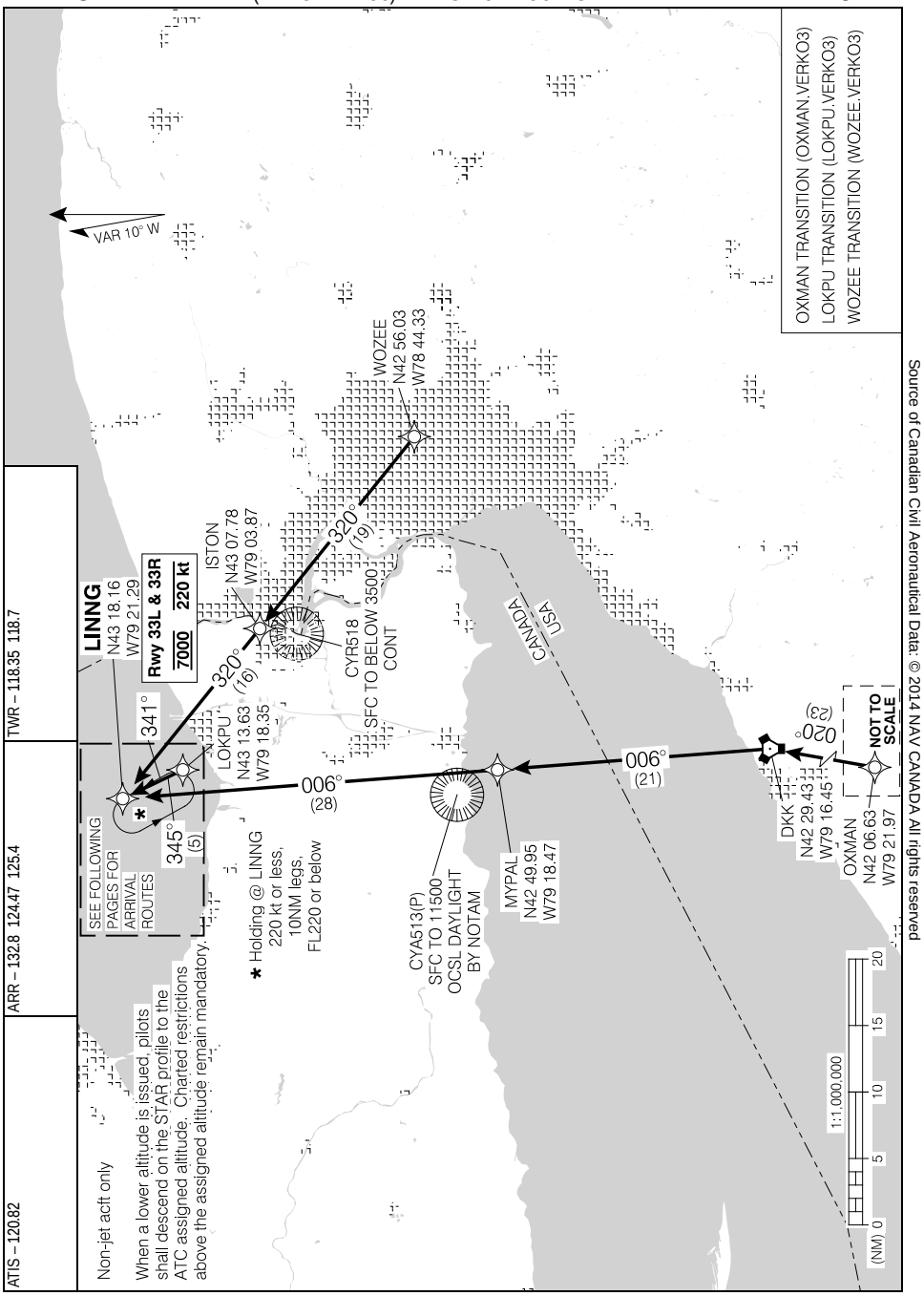
LINNG FIVE ARR (LINNG.LINNG5) TRANSITION ROUTES CYYZ

EFF 13 NOV 14

STAR (RNAV) TORONTO/LESTER B. PEARSON INTL, ON

VERKO THREE ARR (LINNG.VERKO3) TRANSITION ROUTES CYYZ



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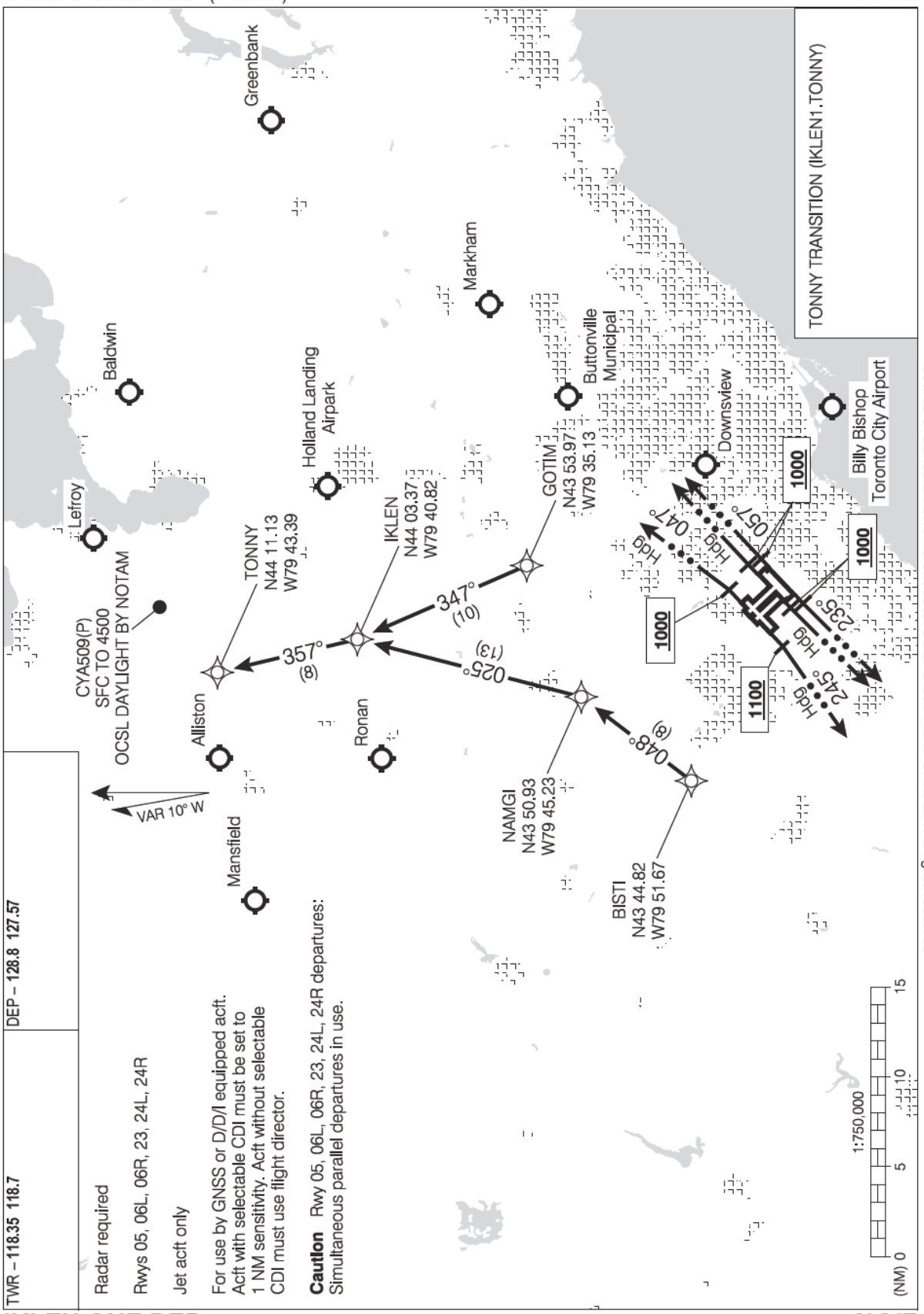
VERKO THREE ARR (LINNG.VERKO3) TRANSITION ROUTES CYYZ

EFF 13 NOV 14

IKLEN ONE DEP (IKLEN1.)

CYYZ



TWR – 118.35 118.7	DEP – 128.8 127.57

Radar required

Rwys 05, 06L, 06R, 23, 24L, 24R

Jet acft only

For use by GNSS or D/D/I equipped acft. Acft with selectable CDI must be set to 1 NM sensitivity. Acft without selectable CDI must use flight director.

Caution Rwy 05, 06L, 06R, 23, 24L, 24R departures: Simultaneous parallel departures in use.

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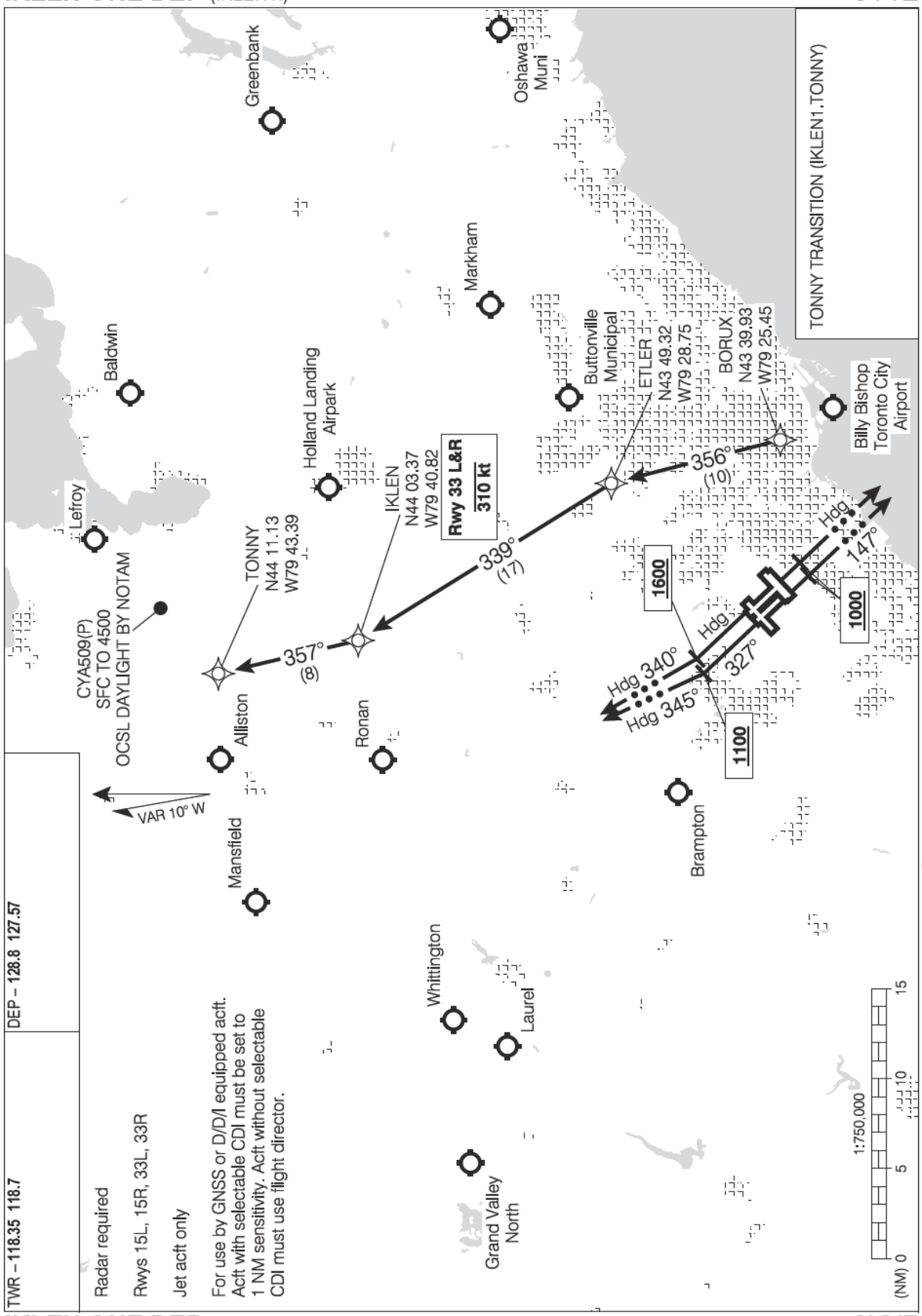
IKLEN ONE DEP (IKLEN1.)

CYYZ



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Departure Route Description

Unless otherwise assigned by ATC:

All rwys: Maintain **5000**.

Rwy 05: Depart rwy 05, climb hdg **057°** to **1000**. Climbing LEFT turn hdg **047°** or as assigned. Expect radar vectors to GOTIM (or as assigned) then proceed via depicted route.

Rwy 06L: Requires a minimum climb gradient of **220** ft/NM to **1100**. Depart rwy 06L, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to GOTIM (or as assigned) then proceed via depicted route.

Rwy 06R: Requires a minimum climb gradient of **210** ft/NM to **1500**. Depart rwy 06R, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to GOTIM (or as assigned) then proceed via depicted route.

Rwy 15L: Requires a minimum climb gradient of **410** ft/NM to **3000**. Depart rwy 15L, climb hdg **147°** or as assigned. Expect radar vectors to BORUX (or as assigned) then proceed via depicted route.

Rwy 15R: Requires a minimum climb gradient of **390** ft/NM to **3000**. Depart rwy 15R, climb hdg **147°** or as assigned. Expect radar vectors to BORUX (or as assigned) then proceed via depicted route.

Rwy 23: Depart rwy 23, climb hdg **237°** to **1100**. Climbing RIGHT turn hdg **245°** or as assigned. Expect radar vectors to BISTI (or as assigned) then proceed via depicted route.

Rwys 24L & 24R: Depart rwy 24L/R, climb hdg **237°** to **1000**. Climbing LEFT turn hdg **235°** or as assigned. Expect radar vectors to BISTI (or as assigned) then proceed via depicted route.

Rwy 33L: Requires a minimum climb gradient of **250** ft/NM to **900**. Depart rwy 33L, climb hdg **327°** to **1100**. Climbing RIGHT turn hdg **345°** or as assigned. Expect radar vectors to IKLEN (or as assigned) then proceed via depicted route.

Rwy 33R: Depart rwy 33R, climb hdg **327°** to **1600**. Climbing RIGHT turn hdg **340°** or as assigned. Expect radar vectors to IKLEN (or as assigned) then proceed via depicted route.

DEPARTURE CLIMB RATE V/V (FPM)

GROUND SPEED	90	120	140	160	180	200	250	300
210 FT/NM	320	420	490	560	630	700	880	1050
220 FT/NM	330	440	520	590	660	740	920	1100
250 FT/NM	380	500	590	670	750	840	1050	1250
390 FT/NM	590	780	910	1040	1170	1300	1630	1950
410 FT/NM	620	820	960	1100	1230	1370	1710	2050

TONNY TRANSITION: **(IKLEN1.TONNY)**

Communication Failure

On recognition of failure 20 minutes or less after take-off and in IFR weather conditions proceed as follows:

1. Select transponder code 7600;
2. Beyond 10 NM from CYYZ proceed directly on course;
3. Do not climb above last assigned altitude for 5 minutes after recognition of failure, then;
4. Climb to flight planned altitude.

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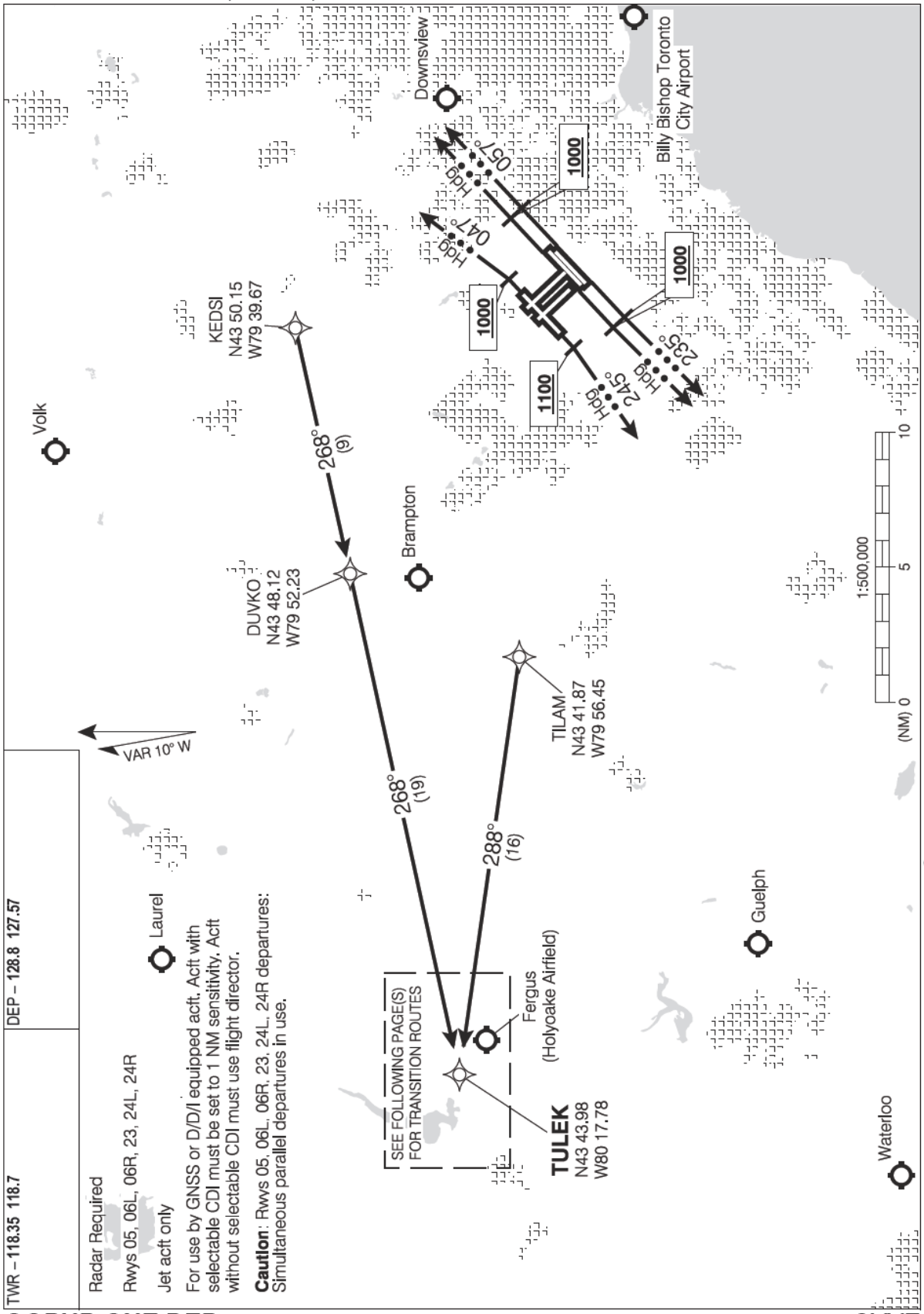
GOPUP ONE DEP (GOPUP1.) DEPARTURE ROUTES

CYYZ



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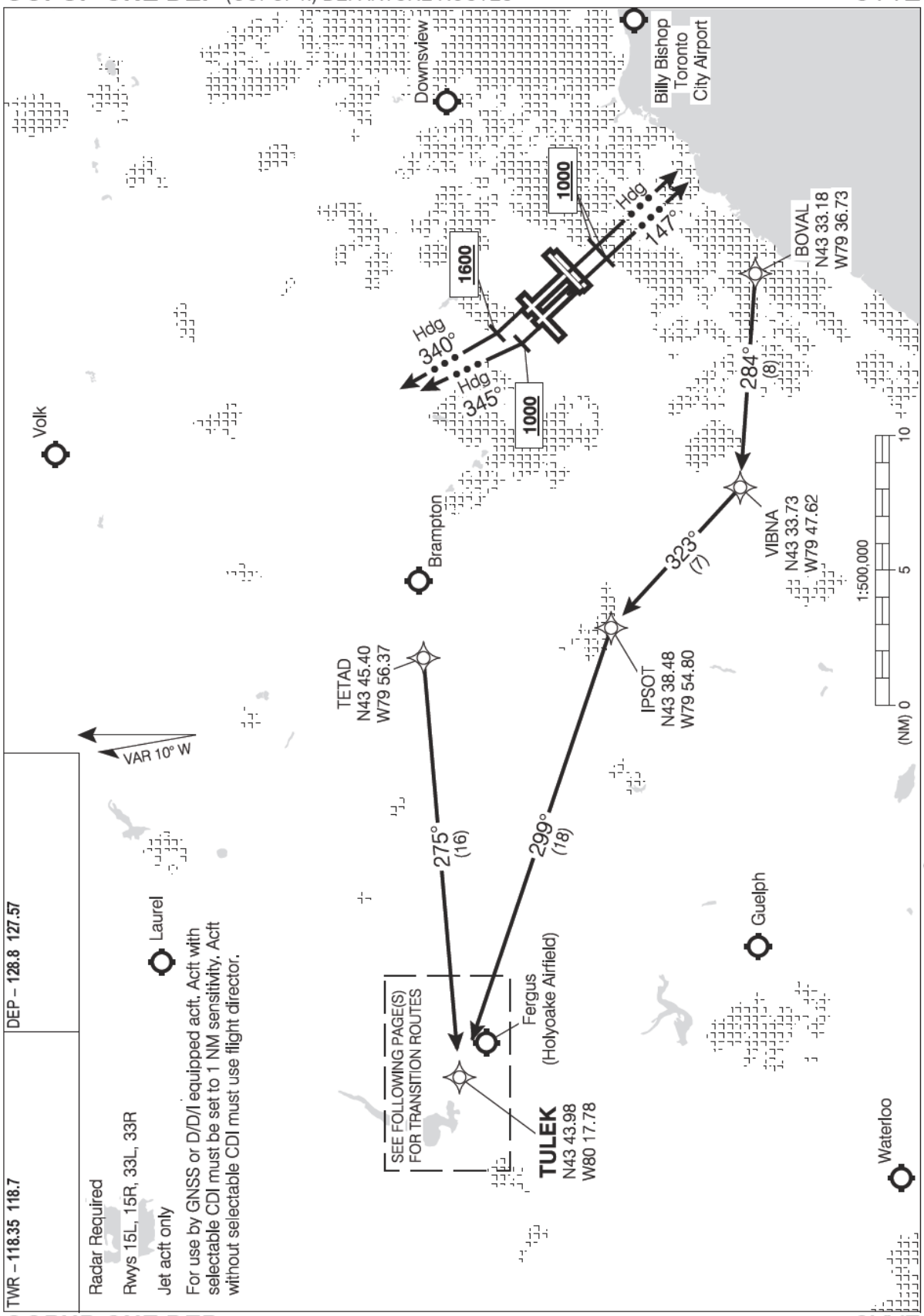
GOPUP ONE DEP (GOPUP1.) DEPARTURE ROUTES

CYYZ



TWR – 118.35 118.7

DEP – 128.8 127.57

Radar Required

Rwys 15L, 15R, 33L, 33R

Jet acft only

For use by GNSS or D/D/I equipped acft. Acft with selectable CDI must be set to 1 NM sensitivity. Acft without selectable CDI must use flight director.

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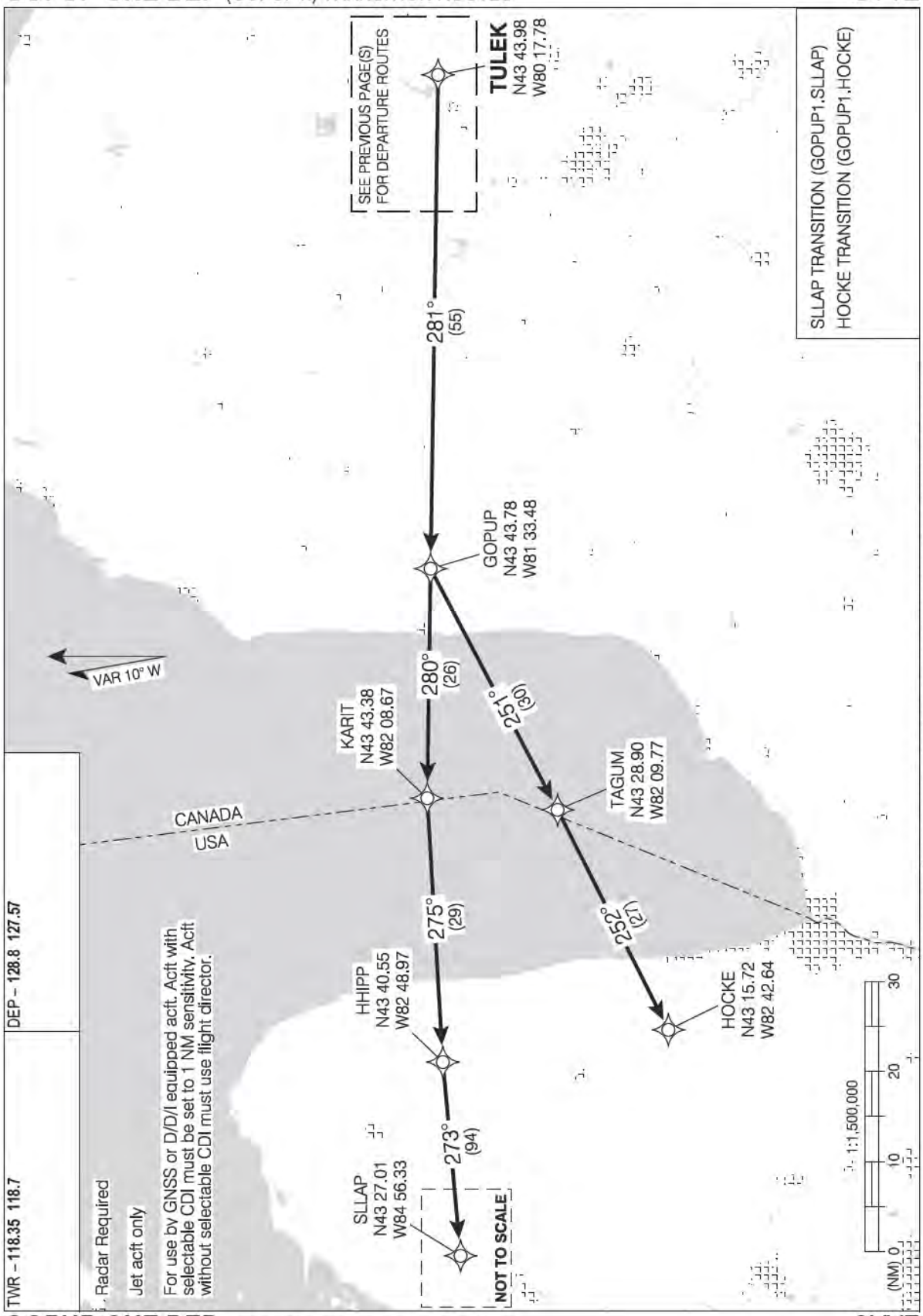
GOPUP ONE DEP (GOPUP1.) TRANSITION ROUTES

CYYZ



TWR – 118.35 118.7

DEP – 128.8 127.57

Radar Required

Jet acft only

For use by GNSS or D/D/I equipped acft. Acft with selectable CDI must be set to 1 NM sensitivity. Acft without selectable CDI must use flight director.

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Departure Route Description

Unless otherwise assigned by ATC:

All rwys: Maintain **5000**.

Rwy 05: Depart rwy 05, climb hdg **057°** to **1000**. Climbing LEFT turn hdg **047°** or as assigned. Expect radar vectors to KEDSI (or as assigned) then proceed via depicted route.

Rwy 06L: Requires a minimum climb gradient of **220** ft/NM to **1100**. Depart rwy 06L, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to KEDSI (or as assigned) then proceed via depicted route.

Rwy 06R: Requires a minimum climb gradient of **210** ft/NM to **1500**. Depart rwy 06R, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to KEDSI (or as assigned) then proceed via depicted route.

Rwy 15L: Requires a minimum climb gradient of **410** ft/NM to **3000**. Depart rwy 15L, climb hdg **147°** or as assigned. Expect radar vectors to BOVAL (or as assigned) then proceed via depicted route.

Rwy 15R: Requires a minimum climb gradient of **390** ft/NM to **3000**. Depart rwy 15R, climb hdg **147°** or as assigned. Expect radar vectors to BOVAL (or as assigned) then proceed via depicted route.

Rwy 23: Depart rwy 23, climb hdg **237°** to **1100**. Climbing RIGHT turn hdg **245°** or as assigned. Expect radar vectors to TILAM (or as assigned) then proceed via depicted route.

Rwys 24L & 24R: Depart rwy 24L/R, climb hdg **237°** to **1000**. Climbing LEFT turn hdg **235°** or as assigned. Expect radar vectors to TILAM (or as assigned) then proceed via depicted route.

Rwy 33L: Requires a minimum climb gradient of **250** ft/NM to **900**. Depart rwy 33L, climb hdg **327°** to **1100**. Climbing RIGHT turn hdg **345°** or as assigned. Expect radar vectors to TETAD (or as assigned) then proceed via depicted route.

Rwy 33R: Depart rwy 33R, climb hdg **327°** to **1600**. Climbing RIGHT turn hdg **340°** or as assigned. Expect radar vectors to TETAD (or as assigned) then proceed via depicted route.

DEPARTURE CLIMB RATE V/V (FPM)

GROUND SPEED	90	120	140	160	180	200	250	300
210 FT/NM	320	420	490	560	630	700	880	1050
220 FT/NM	330	440	520	590	660	740	920	1100
250 FT/NM	380	500	590	670	750	840	1050	1250
390 FT/NM	590	780	910	1040	1170	1300	1630	1950
410 FT/NM	620	820	960	1100	1230	1370	1710	2050

SLLAP TRANSITION: **(GOPUP1.SLLAP)**
HOCKE TRANSITION: **(GOPUP1.HOCKE)**

Communication Failure

On recognition of failure 20 minutes or less after take-off and in IFR weather conditions proceed as follows:

1. Select transponder code 7600;
2. Beyond 10 NM from CYYZ proceed directly on course;
3. Do not climb above last assigned altitude for 5 minutes after recognition of failure, then;
4. Climb to flight planned altitude.

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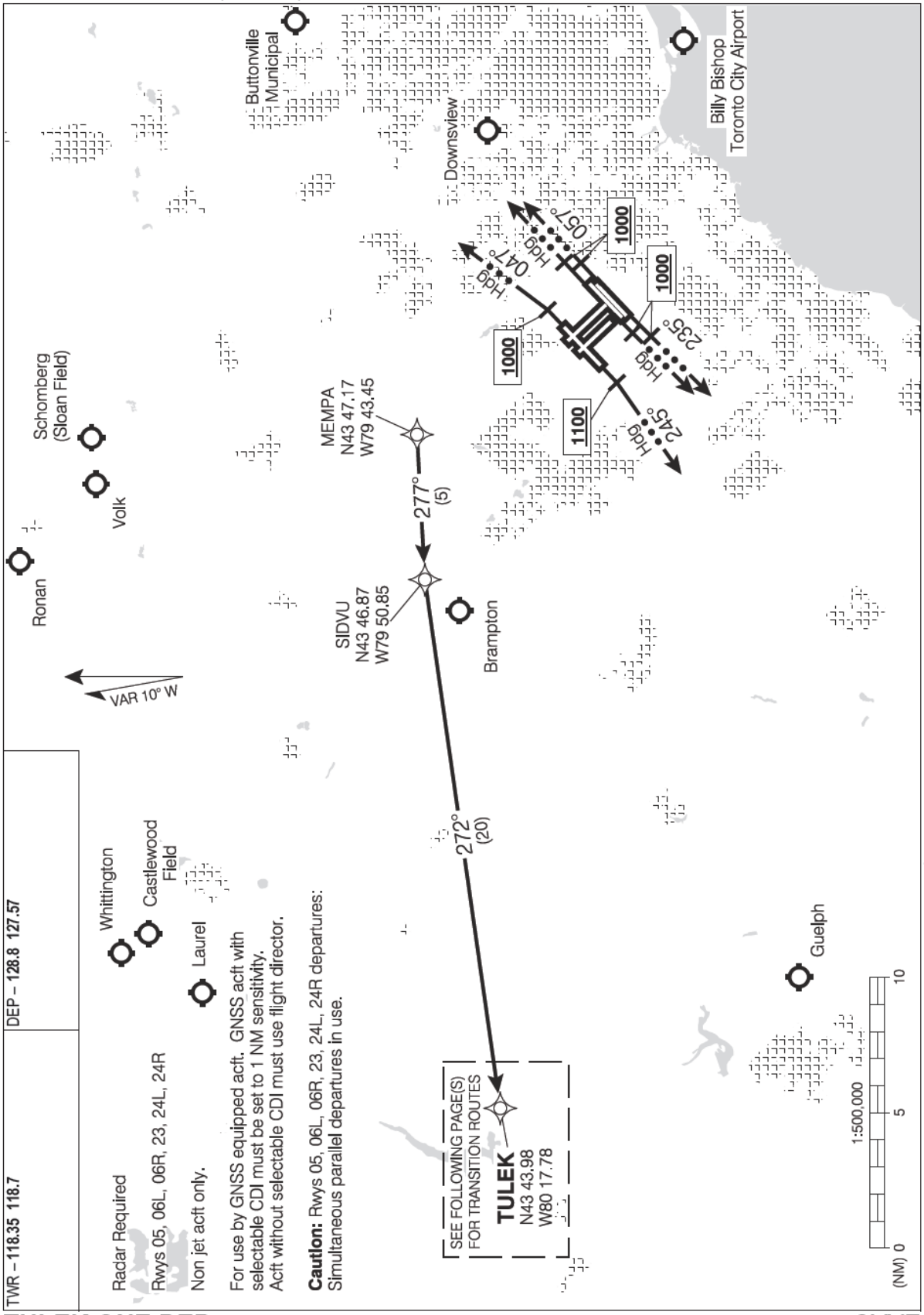
TULEK ONE DEP (TULEK1.) DEPARTURE ROUTES

CYYZ



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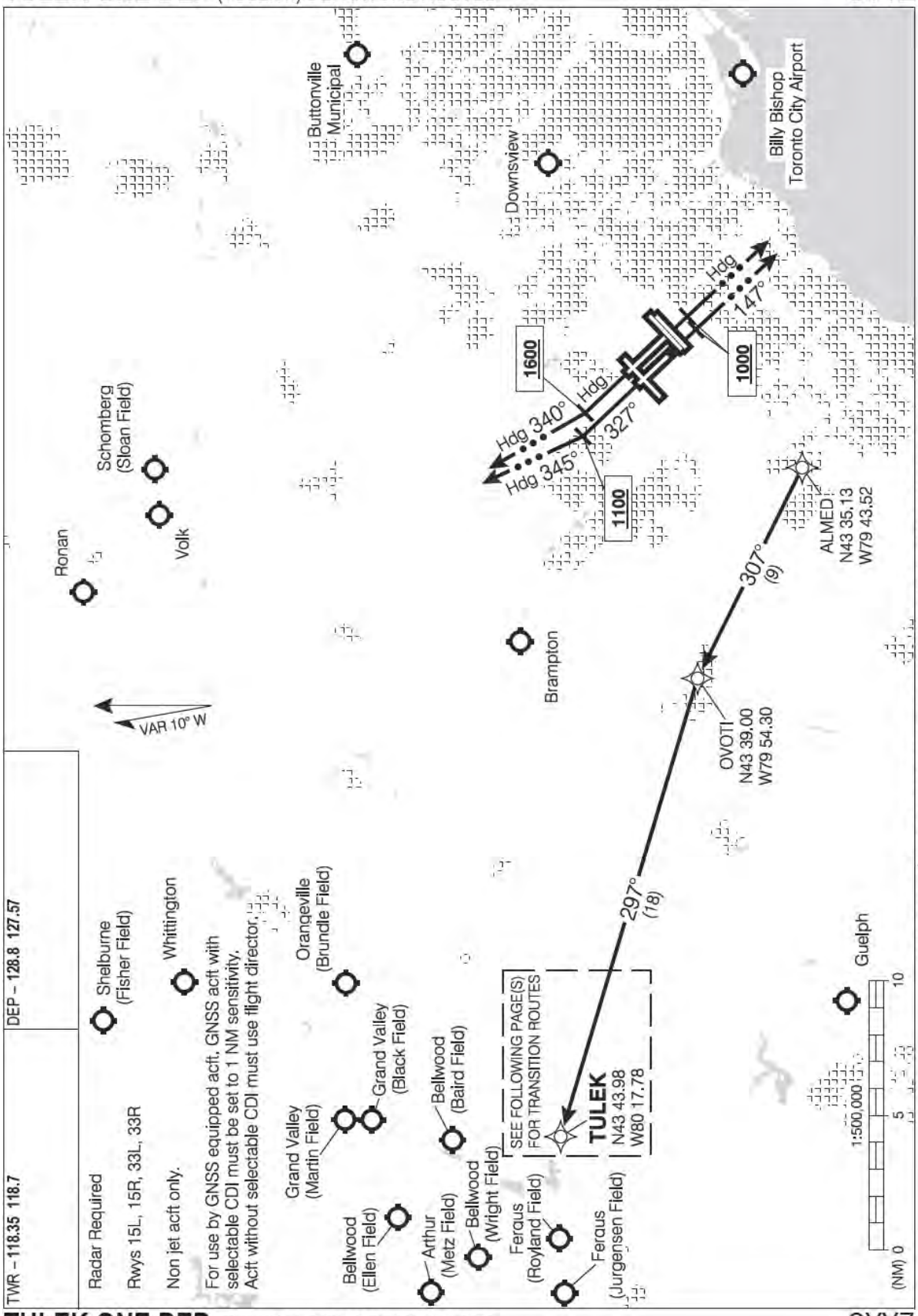
TULEK ONE DEP (TULEK1.) DEPARTURE ROUTES

CYYZ



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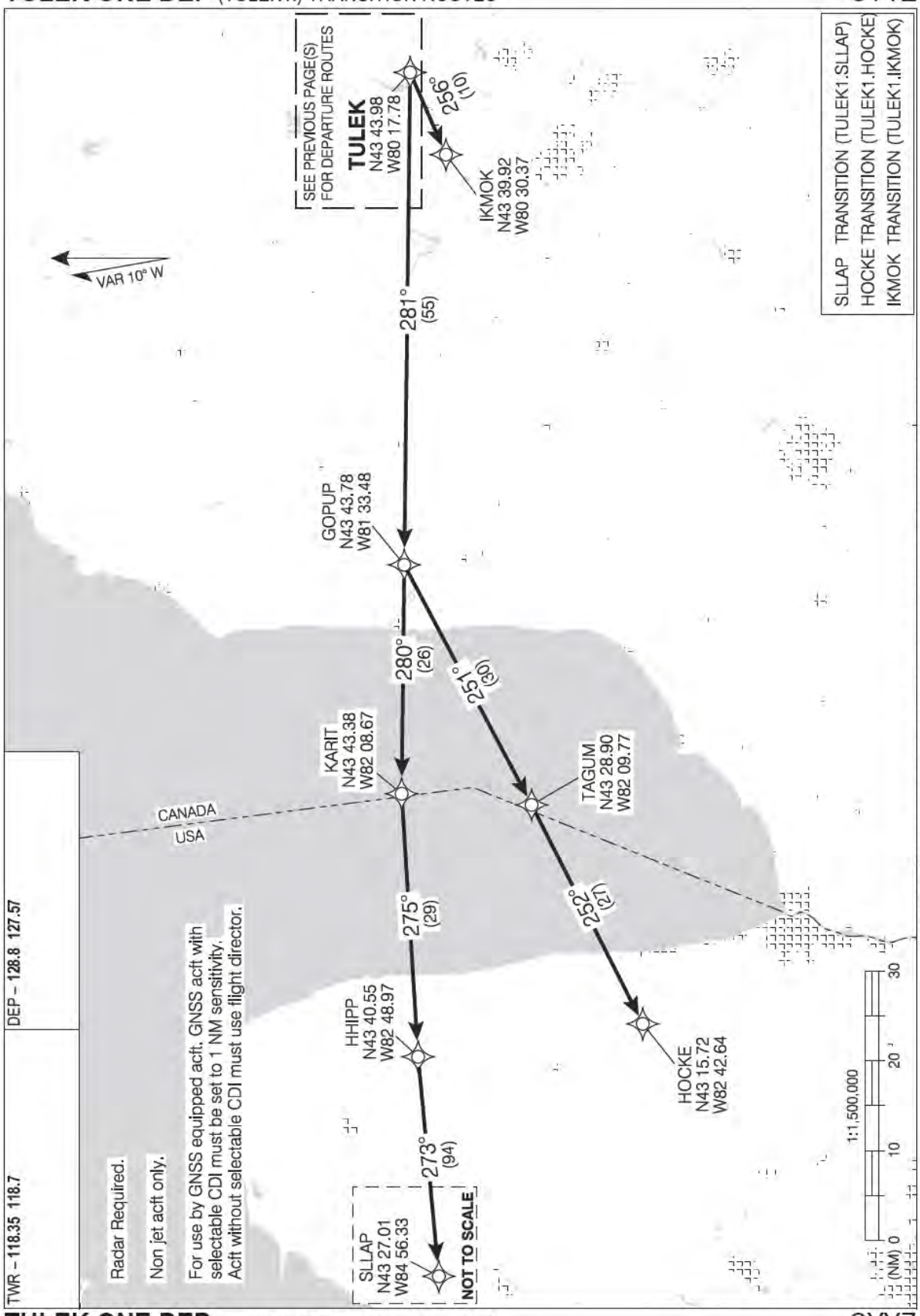
TULEK ONE DEP (TULEK1.) TRANSITION ROUTES



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Departure Route Description

Unless otherwise assigned by ATC:

All rwys: Maintain **3000**. Aircraft assigned a turn at takeoff; commence turn at **1100** ASL.

Rwy 05: Depart rwy 05, climb hdg **057°** to **1000**. Climbing LEFT turn hdg **047°** or as assigned. Expect radar vectors to MEMPA (or as assigned) then proceed via depicted route.

Rwy 06L: Requires a minimum climb gradient of **220** ft/NM to **1100**. Depart rwy 06L, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to MEMPA (or as assigned) then proceed via depicted route.

Rwy 06R: Requires a minimum climb gradient of **210** ft/NM to **1500**. Depart rwy 06R, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to MEMPA (or as assigned) then proceed via depicted route.

Rwy 15L: Requires a minimum climb gradient of **410** ft/NM to **3000**. Depart rwy 15L, climb hdg **147°** or as assigned. Expect radar vectors to ALMED (or as assigned) then proceed via depicted route.

Rwy 15R: Requires a minimum climb gradient of **390** ft/NM to **3000**. Depart rwy 15R, climb hdg **147°** or as assigned. Expect radar vectors to ALMED (or as assigned) then proceed via depicted route.

Rwy 23: Depart rwy 23, climb hdg **237°** to **1100**. Climbing RIGHT turn hdg **245°** or as assigned. Expect radar vectors to TULEK (or as assigned) then proceed via depicted route.

Rwys 24L & 24R: Depart rwy 24L/R, climb hdg **237°** to **1000**. Climbing LEFT turn hdg **235°** or as assigned. Expect radar vectors to TULEK (or as assigned) then proceed via depicted route.

Rwy 33L: Requires a minimum climb gradient of **250** ft/NM to **900**. Depart rwy 33L, climb hdg **327°** to **1100**. Climbing RIGHT turn hdg **345°** or as assigned. Expect radar vectors to TULEK (or as assigned) then proceed via depicted route.

Rwy 33R: Depart rwy 33R, climb hdg **327°** to **1600**. Climbing RIGHT turn hdg **340°** or as assigned. Expect radar vectors to TULEK (or as assigned) then proceed via depicted route.

DEPARTURE CLIMB RATE V/V (FPM)

GROUND SPEED	90	120	140	160	180	200	250	300
210 FT/NM	320	420	490	560	630	700	880	1050
220 FT/NM	330	440	520	590	660	740	920	1100
250 FT/NM	380	500	590	670	750	840	1050	1250
390 FT/NM	590	780	910	1040	1170	1300	1630	1950
410 FT/NM	620	820	960	1100	1230	1370	1710	2050

SLLAP TRANSITION: **(TULEK1.SLLAP)**
HOCKE TRANSITION: **(TULEK1.HOCKE)**
IKMOK TRANSITION: **(TULEK1.IKMOK)**

Communication Failure

On recognition of failure 20 minutes or less after take-off and in IFR weather conditions proceed as follows:

1. Select transponder code 7600;
2. Beyond 10 NM from CYYZ proceed directly on course;
3. Do not climb above last assigned altitude for 5 minutes after recognition of failure, then;
4. Climb to flight planned altitude.

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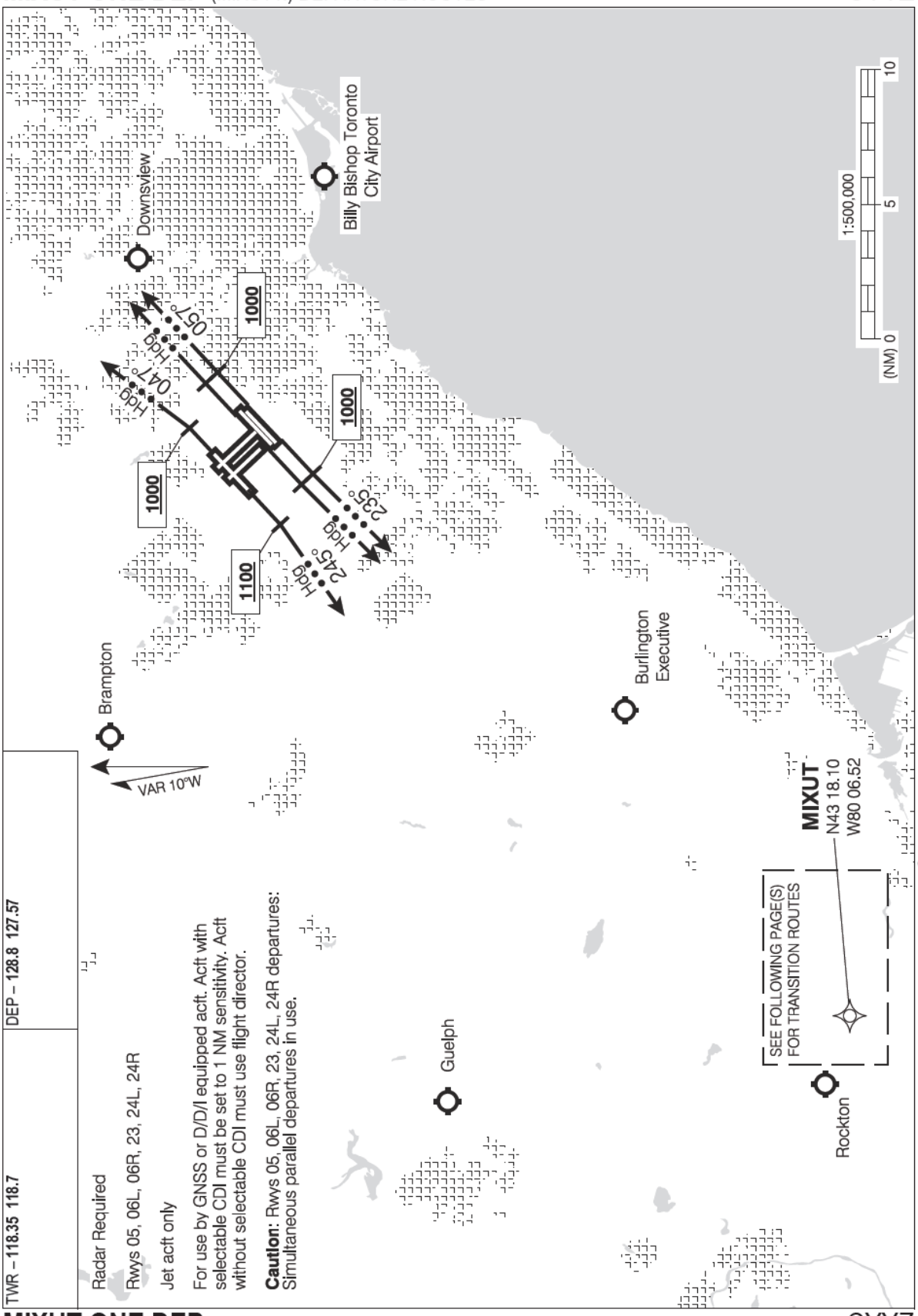
MIXUT ONE DEP (MIXUT1.) DEPARTURE ROUTES

CYYZ



TWR – 118.35 118.7

DEP – 128.8 127.57

Radar Required

Rwys 05, 06L, 06R, 23, 24L, 24R

Jet acft only

For use by GNSS or D/D/I equipped acft. Acft with selectable CDI must be set to 1 NM sensitivity. Acft without selectable CDI must use flight director.

Caution: Rwys 05, 06L, 06R, 23, 24L, 24R departures: Simultaneous parallel departures in use.

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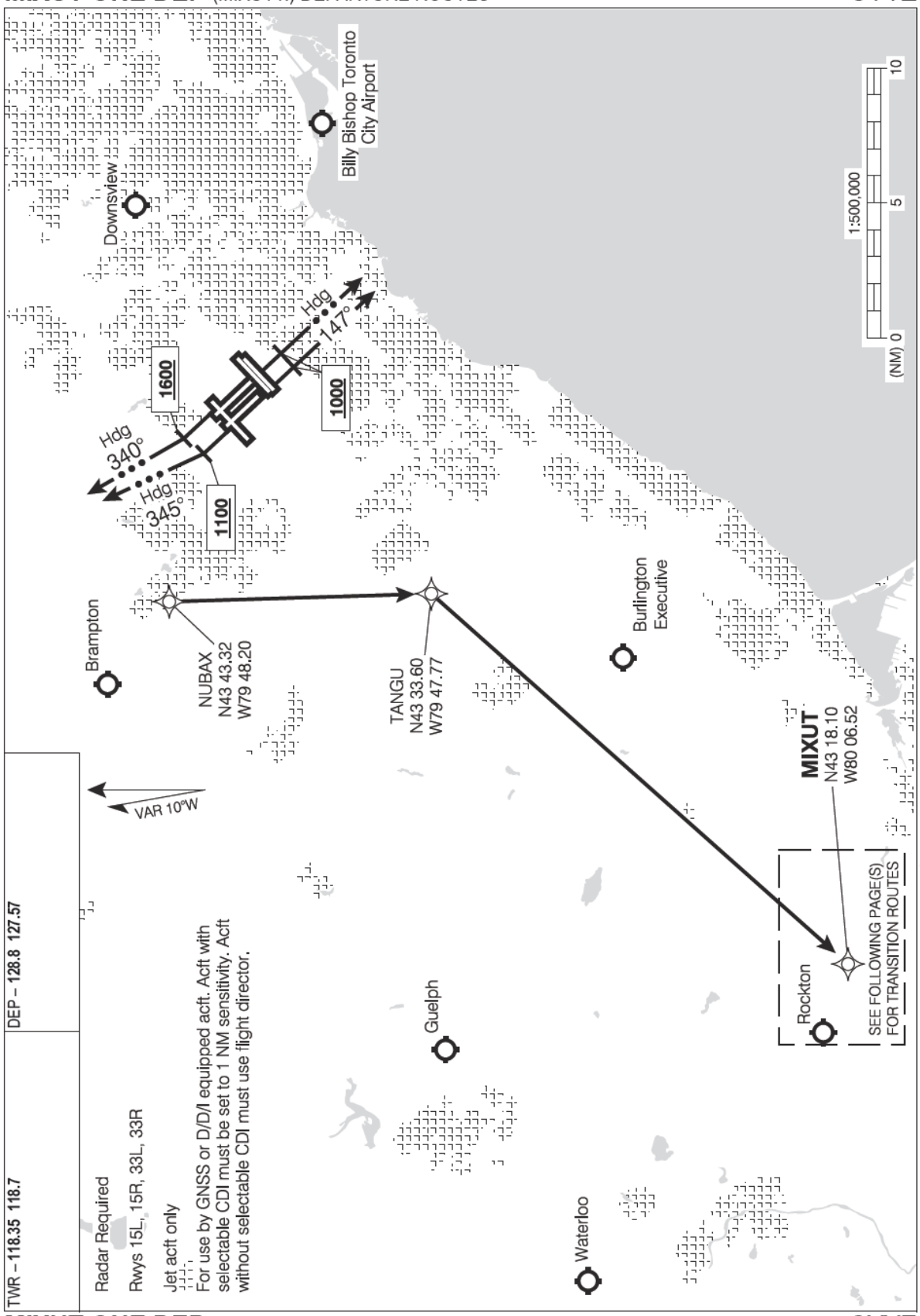
MIXUT ONE DEP (MIXUT1.) DEPARTURE ROUTES

CYYZ



TWR – 118.35 118.7

DEP – 128.8 127.57

Radar Required

Rwys 15L, 15R, 33L, 33R

Jet acft only

For use by GNSS or D/D/I equipped acft. Acft with selectable CDI must be set to 1 NM sensitivity. Acft without selectable CDI must use flight director.

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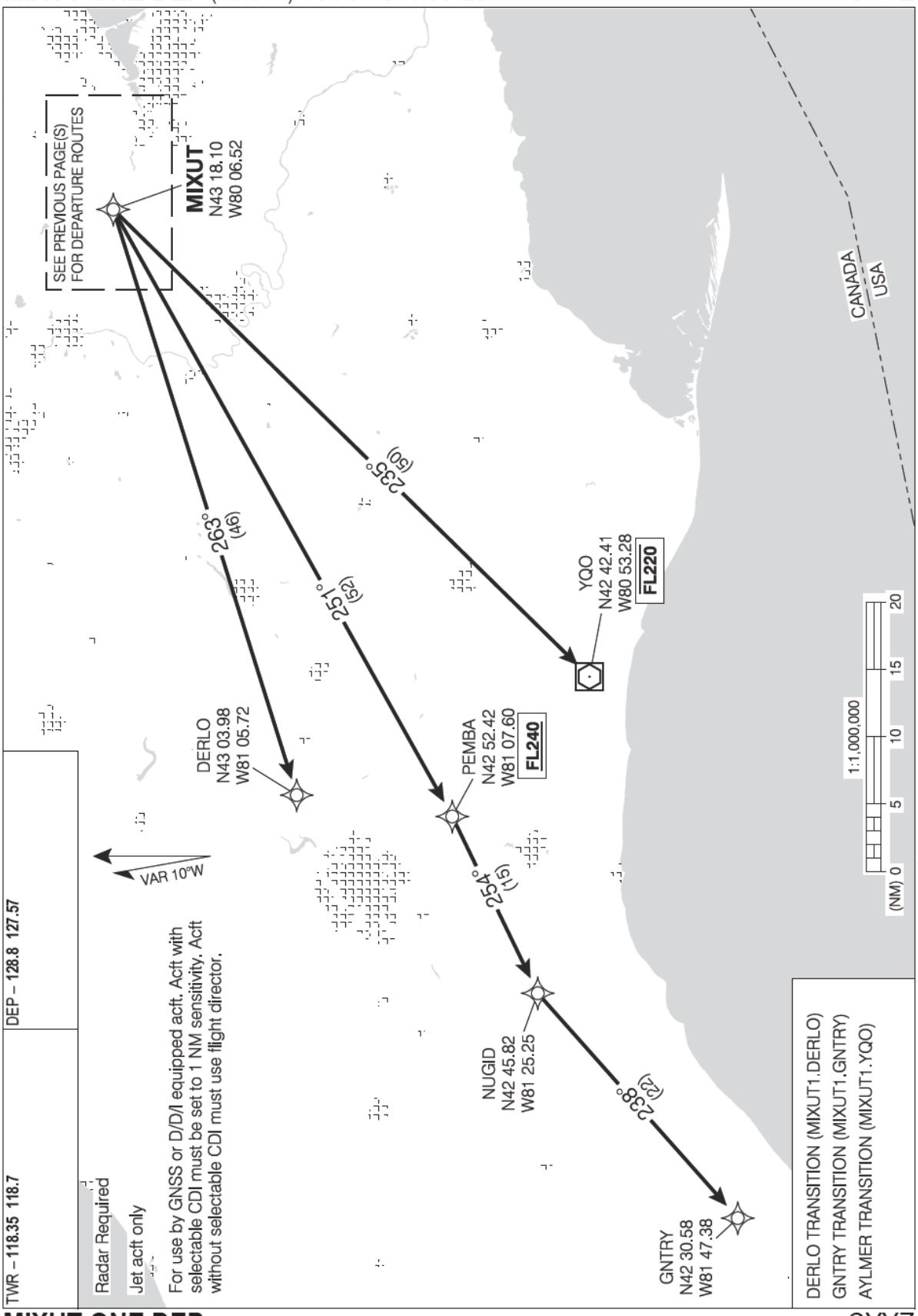
MIXUT ONE DEP (MIXUT1.) TRANSITION ROUTES

CYYZ



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Departure Route Description

Unless otherwise assigned by ATC

All rwys: Maintain **5000**.

Rwy 05: Depart rwy 05, climb hdg **057°** to **1000**. Climbing LEFT turn hdg **047°** or as assigned. Expect radar vectors to MIXUT (or as assigned) then proceed via depicted route.

Rwy 06L: Requires a minimum climb gradient of **220** ft/NM to **1100**. Depart rwy 06L, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to MIXUT (or as assigned) then proceed via depicted route.

Rwy 06R: Requires a minimum climb gradient of **210** ft/NM to **1500**. Depart rwy 06R, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to MIXUT (or as assigned) then proceed via depicted route.

Rwy 15L: Requires a minimum climb gradient of **410** ft/NM to **3000**. Depart rwy 15L, climb hdg **147°** or as assigned. Expect radar vectors to MIXUT (or as assigned) then proceed via depicted route.

Rwy 15R: Requires a minimum climb gradient of **390** ft/NM to **3000**. Depart rwy 15R, climb hdg **147°** or as assigned. Expect radar vectors to MIXUT (or as assigned) then proceed via depicted route.

Rwy 23: Depart rwy 23, climb hdg **237°** to **1100**. Climbing RIGHT turn hdg **245°** or as assigned. Expect radar vectors to MIXUT (or as assigned) then proceed via depicted route.

Rwys 24L & 24R: Depart rwy 24L/R, climb hdg **237°** to **1000**. Climbing LEFT turn hdg **235°** or as assigned. Expect radar vectors to MIXUT (or as assigned) then proceed via depicted route.

Rwy 33L: Requires a minimum climb gradient of **250** ft/NM to **900**. Depart rwy 33L, climb hdg **327°** to **1100**. Climbing RIGHT turn hdg **345°** or as assigned. Expect radar vectors to NUBAX (or as assigned) then proceed via depicted route.

Rwy 33R: Depart rwy 33R, climb hdg **327°** to **1600**. Climbing RIGHT turn hdg **340°** or as assigned. Expect radar vectors to NUBAX (or as assigned) then proceed via depicted route.

DEPARTURE CLIMB RATE V/V (FPM)

GROUND SPEED	90	120	140	160	180	200	250	300
210 FT/NM	320	420	490	560	630	700	880	1050
220 FT/NM	330	440	520	590	660	740	920	1100
250 FT/NM	380	500	590	670	750	840	1050	1250
390 FT/NM	590	780	910	1040	1170	1300	1630	1950
410 FT/NM	620	820	960	1100	1230	1370	1710	2050

DERLO TRANSITION: **(MIXUT1.DERLO)**
GNTRY TRANSITION: **(MIXUT1.GNTRY)**
AYLMER TRANSITION: **(MIXUT1.YQO)**

Communication Failure

On recognition of failure 20 minutes or less after take-off and in IFR weather conditions proceed as follows:

1. Select transponder code 7600;
2. Beyond 10 NM from CYYZ proceed directly on course;
3. Do not climb above last assigned altitude for 5 minutes after recognition of failure, then;
4. Climb to flight planned altitude.

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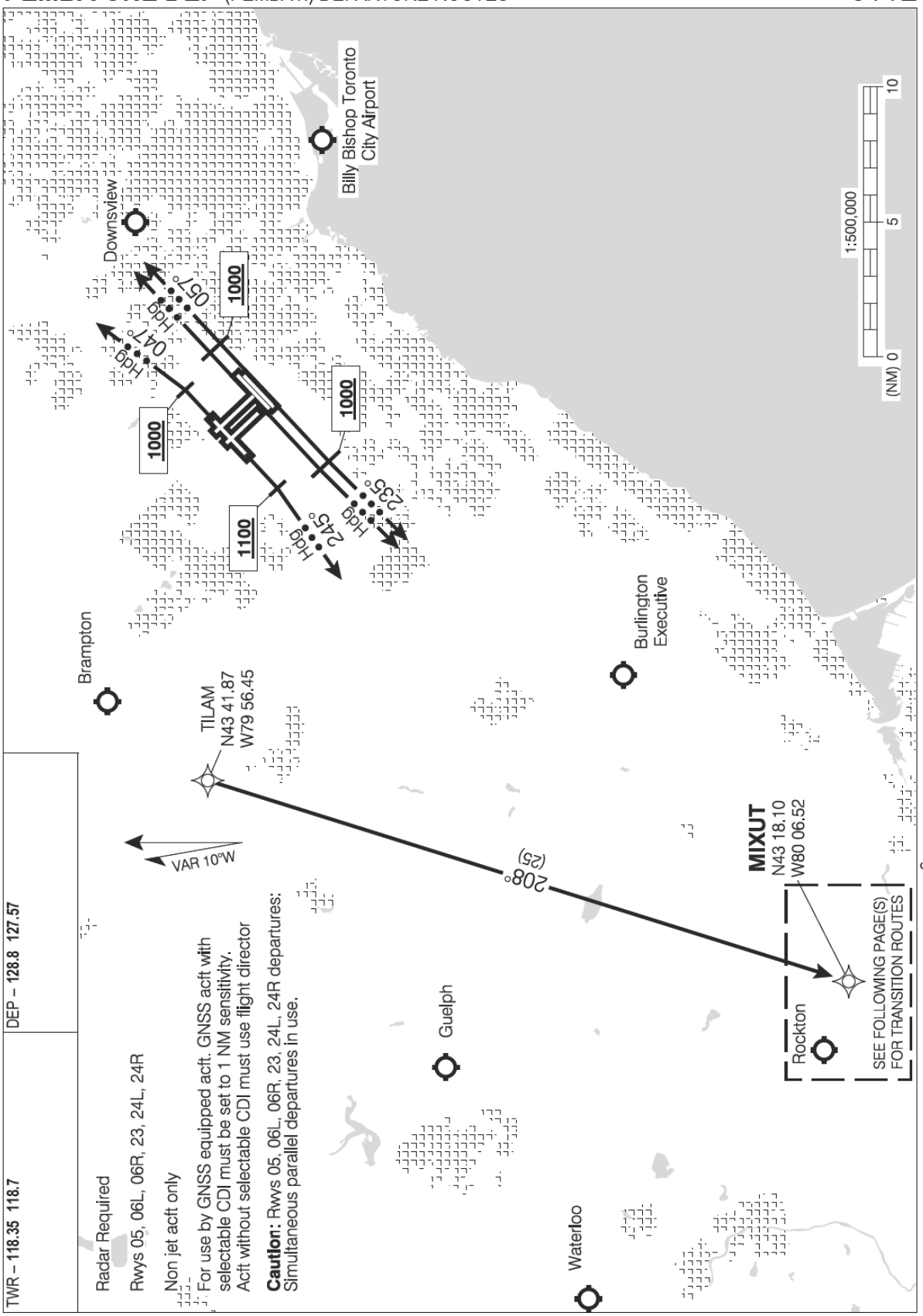
PEMBA ONE DEP (PEMBA1.) DEPARTURE ROUTES

CYYZ



TWR – 118.35 118.7

DEP – 128.8 127.57

Radar Required

Rwys 05, 06L, 06R, 23, 24L, 24R

Non jet acft only

For use by GNSS equipped acft. GNSS acft with selectable CDI must be set to 1 NM sensitivity. Acft without selectable CDI must use flight director

Caution: Rwys 05, 06L, 06R, 23, 24L, 24R departures: Simultaneous parallel departures in use.

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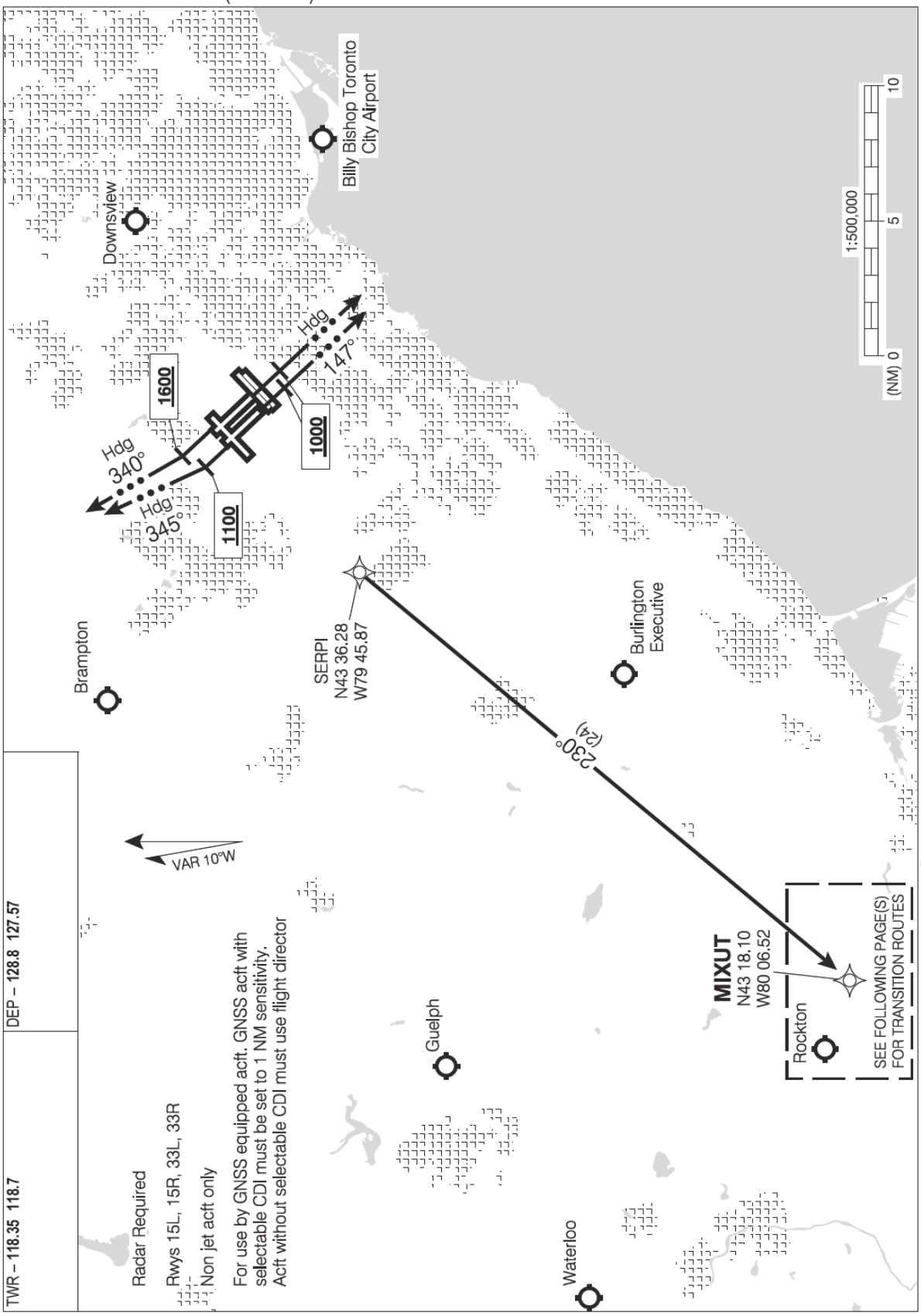
PEMBA ONE DEP (PEMBA1.) DEPARTURE ROUTES

CYYZ



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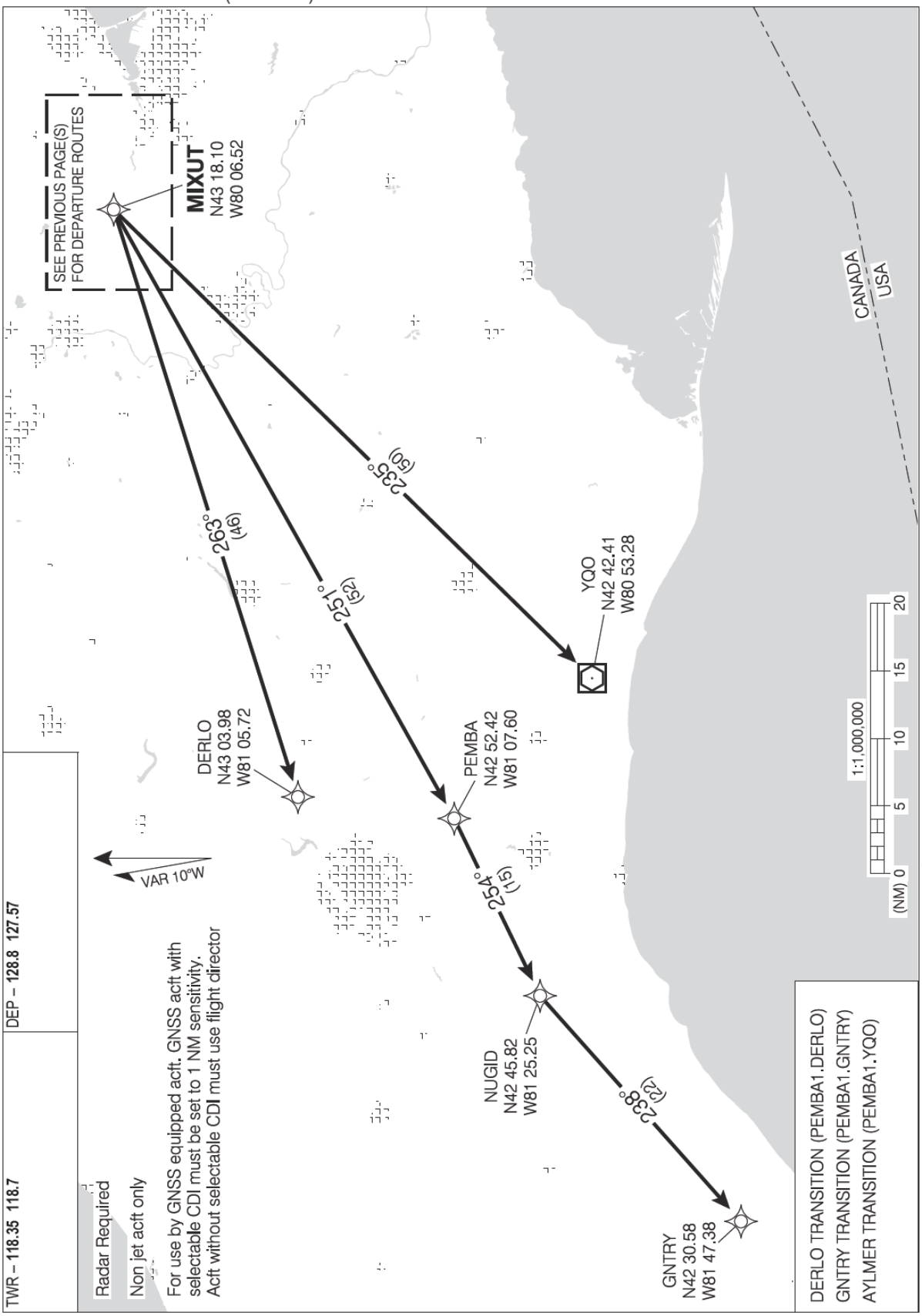
PEMBA ONE DEP (PEMBA1.) TRANSITION ROUTES

CYYZ



Source of Canadian Civil Aeronautical Data: © 2014 NAV CANADA All rights reserved

Departure Route Description

Unless otherwise assigned by ATC:

All rwys: Maintain **3000**. Aircraft assigned a turn at takeoff; commence turn at **1100** ASL.

Rwy 05: Depart rwy 05, climb hdg **057°** to **1000**. Climbing LEFT turn hdg **047°** or as assigned. Expect radar vectors to MIXUT (or as assigned) then proceed via depicted route.

Rwy 06L: Requires a minimum climb gradient of **220** ft/NM to **1100**. Depart rwy 06L, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to MIXUT (or as assigned) then proceed via depicted route.

Rwy 06R: Requires a minimum climb gradient of **210** ft/NM to **1500**. Depart rwy 06R, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to MIXUT (or as assigned) then proceed via depicted route.

Rwy 15L: Requires a minimum climb gradient of **410** ft/NM to **3000**. Depart rwy 15L, climb hdg **147°** or as assigned. Expect radar vectors to MIXUT (or as assigned) then proceed via depicted route.

Rwy 15R: Requires a minimum climb gradient of **390** ft/NM to **3000**. Depart rwy 15R, climb hdg **147°** or as assigned. Expect radar vectors to MIXUT (or as assigned) then proceed via depicted route.

Rwy 23: Depart rwy 23, climb hdg **237°** to **1100**. Climbing RIGHT turn hdg **245°** or as assigned. Expect radar vectors to TILAM (or as assigned) then proceed via depicted route.

Rwys 24L & 24R: Depart rwy 24L/R, climb hdg **237°** to **1000**. Climbing LEFT turn hdg **235°** or as assigned. Expect radar vectors to TILAM (or as assigned) then proceed via depicted route.

Rwy 33L: Requires a minimum climb gradient of **250** ft/NM to **900**. Depart rwy 33L, climb hdg **327°** to **1100**. Climbing RIGHT turn hdg **345°** or as assigned. Expect radar vectors to SERPI (or as assigned) then proceed via depicted route.

Rwy 33R: Depart rwy 33R, climb hdg **327°** to **1600**. Climbing RIGHT turn hdg **340°** or as assigned. Expect radar vectors to SERPI (or as assigned) then proceed via depicted route.

DEPARTURE CLIMB RATE V/V (FPM)

GROUND SPEED	90	120	140	160	180	200	250	300
210 FT/NM	320	420	490	560	630	700	880	1050
220 FT/NM	330	440	520	590	660	740	920	1100
250 FT/NM	380	500	590	670	750	840	1050	1250
390 FT/NM	590	780	910	1040	1170	1300	1630	1950
410 FT/NM	620	820	960	1100	1230	1370	1710	2050

DERLO TRANSITION: **(PEMBA1.DERLO)**
GNTRY TRANSITION: **(PEMBA1.GNTRY)**
AYLMER TRANSITION: **(PEMBA1.YQO)**

Communication Failure

On recognition of failure 20 minutes or less after take-off and in IFR weather conditions proceed as follows:

1. Select transponder code 7600;
2. Beyond 10 NM from CYYZ proceed directly on course;
3. Do not climb above last assigned altitude for 5 minutes after recognition of failure, then;
4. Climb to flight planned altitude.

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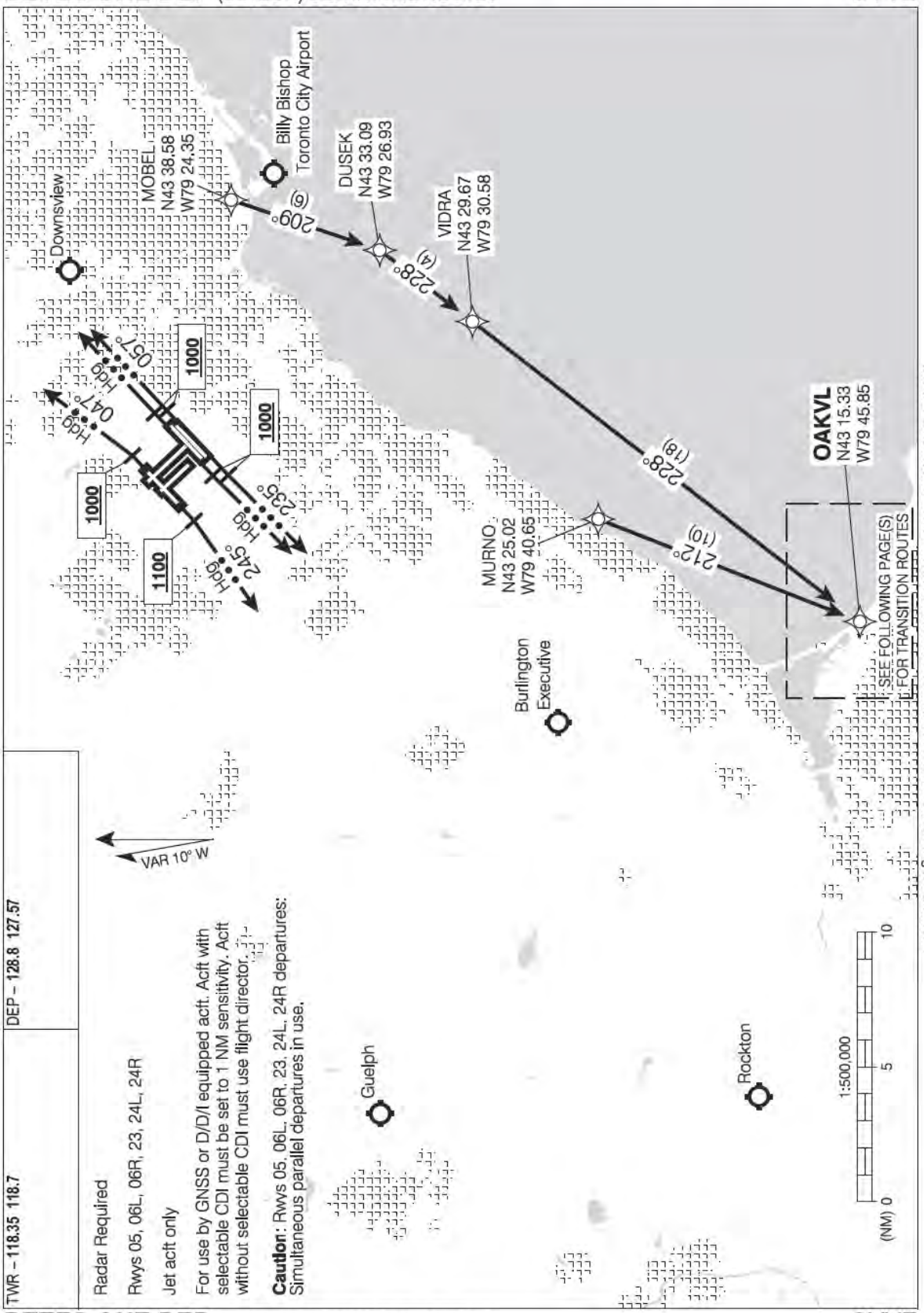
BETES ONE DEP (BETES1.) DEPARTURE ROUTES

CYYZ



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TWR – 118.35 118.7

DEP – 128.8 127.57

Radar Required

Rwys 05, 06L, 06R, 23, 24L, 24R

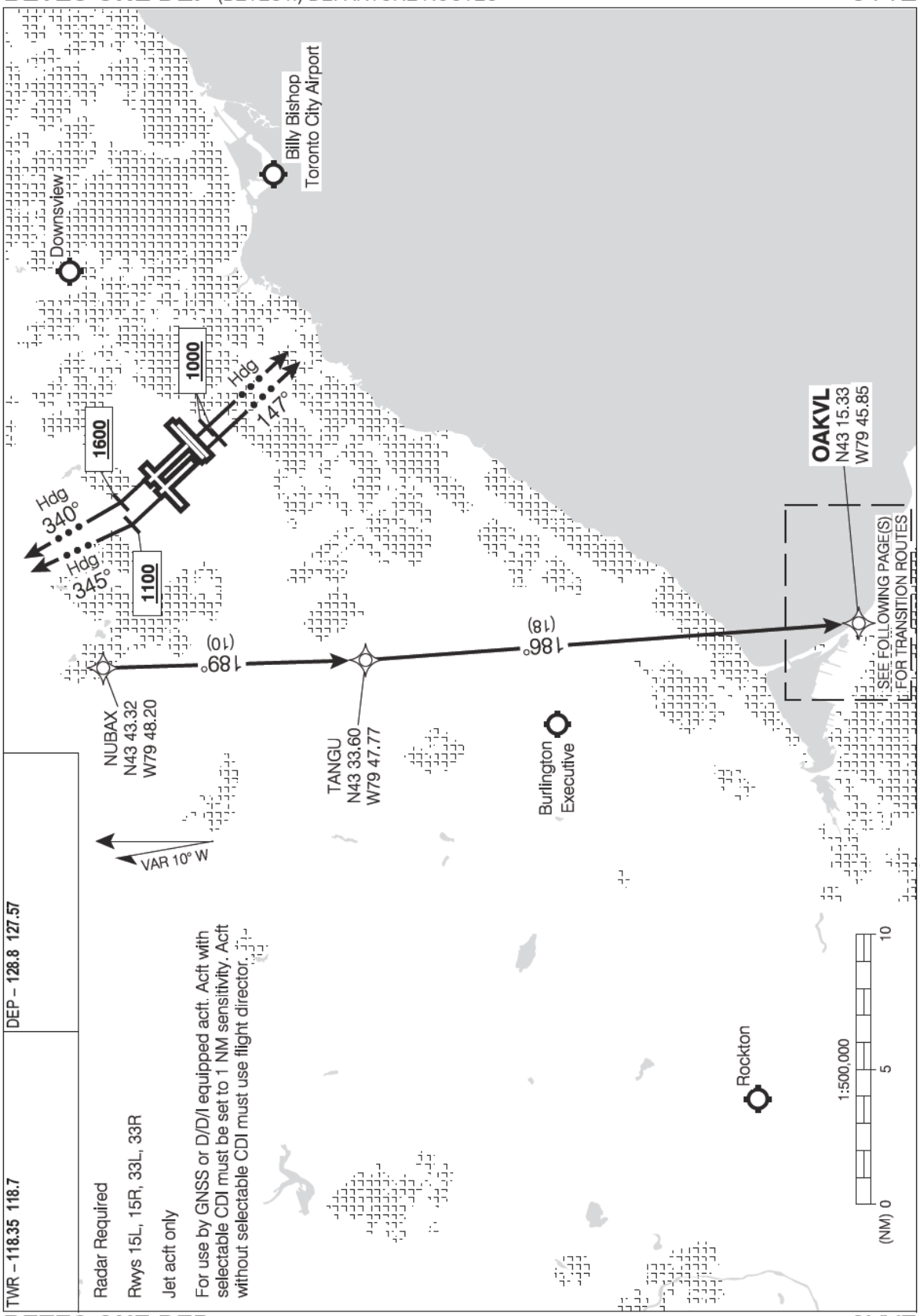
Jet acft only

For use by GNSS or D/D/I equipped acft. Acft with selectable CDI must be set to 1 NM sensitivity. Acft without selectable CDI must use flight director.

Caution: Rwys 05, 06L, 06R, 23, 24L, 24R departures: Simultaneous parallel departures in use.

BETES ONE DEP (BETES1.) DEPARTURE ROUTES

CYYZ



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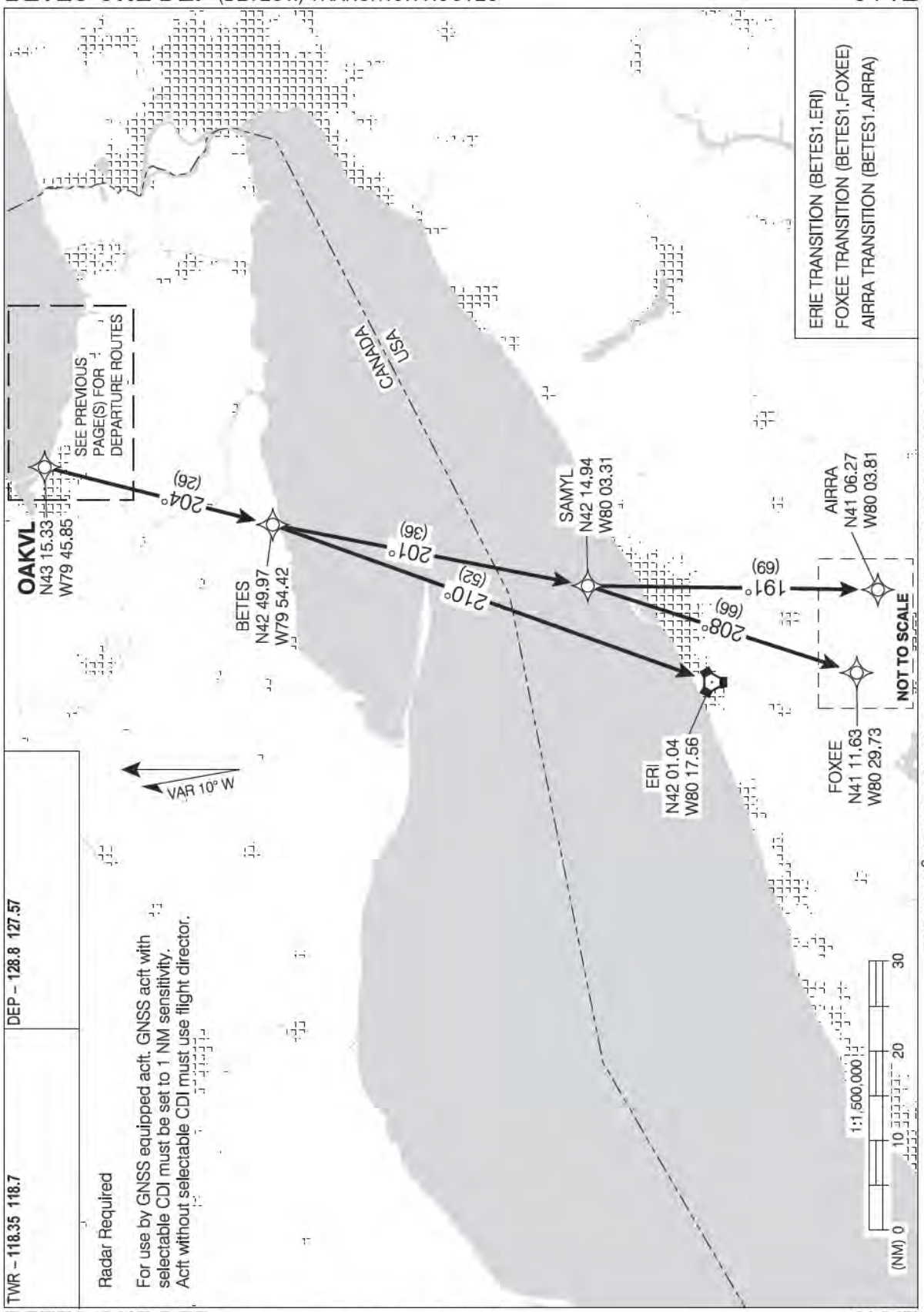
BETES ONE DEP (BETES1.) TRANSITION ROUTES

CYYZ



TWR – 118.35 118.7

DEP – 128.8 127.57

Radar Required

For use by GNSS equipped acft. GNSS acft with selectable CDI must be set to 1 NM sensitivity. Acft without selectable CDI must use flight director.

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Departure Route Description

Unless otherwise assigned by ATC:

All rwys: Maintain **5000**.

Rwy 05: Depart rwy 05, climb hdg **057°** to **1000**. Climbing LEFT turn hdg **047°** or as assigned. Expect radar vectors to MOBEL (or as assigned) then proceed via depicted route.

Rwy 06L: Requires a minimum climb gradient of **220** ft/NM to **1100**. Depart rwy 06L, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to MOBEL (or as assigned) then proceed via depicted route.

Rwy 06R: Requires a minimum climb gradient of **210** ft/NM to **1500**. Depart rwy 06R, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to MOBEL (or as assigned) then proceed via depicted route.

Rwy 15L: Requires a minimum climb gradient of **410** ft/NM to **3000**. Depart rwy 15L, climb hdg **147°** or as assigned. Expect radar vectors to OAKVL (or as assigned) then proceed via depicted route.

Rwy 15R: Requires a minimum climb gradient of **390** ft/NM to **3000**. Depart rwy 15R, climb hdg **147°** or as assigned. Expect radar vectors to OAKVL (or as assigned) then proceed via depicted route.

Rwy 23: Depart rwy 23, climb hdg **237°** to **1100**. Climbing RIGHT turn hdg **245°** or as assigned. Expect radar vectors to MURNO (or as assigned) then proceed via depicted route.

Rwys 24L & 24R: Depart rwy 24L/R, climb hdg **237°** to **1000**. Climbing LEFT turn hdg **235°** or as assigned. Expect radar vectors to MURNO (or as assigned) then proceed via depicted route.

Rwy 33L: Requires a minimum climb gradient of **250** ft/NM to **900**. Depart rwy 33L, climb hdg **327°** to **1100**. Climbing RIGHT turn hdg **345°** or as assigned. Expect radar vectors to NUBAX (or as assigned) then proceed via depicted route.

Rwy 33R: Depart rwy 33R, climb hdg **327°** to **1600**. Climbing RIGHT turn hdg **340°** or as assigned. Expect radar vectors to NUBAX (or as assigned) then proceed via depicted route.

DEPARTURE CLIMB RATE V/V (FPM)

GROUND SPEED	90	120	140	160	180	200	250	300
210 FT/NM	320	420	490	560	630	700	880	1050
220 FT/NM	330	440	520	590	660	740	920	1100
250 FT/NM	380	500	590	670	750	840	1050	1250
390 FT/NM	590	780	910	1040	1170	1300	1630	1950
410 FT/NM	620	820	960	1100	1230	1370	1710	2050

ERIE TRANSITION: **(BETES1.ERIE)**
FOXEE TRANSITION: **(BETES1.FOXEE)**
AIRRA TRANSITION: **(BETES1.AIRRA)**

Communication Failure

On recognition of failure 20 minutes or less after take-off and in IFR weather conditions proceed as follows:

1. Select transponder code 7600;
2. Beyond 10 NM from CYYZ proceed directly on course;
3. Do not climb above last assigned altitude for 5 minutes after recognition of failure, then;
4. Climb to flight planned altitude.

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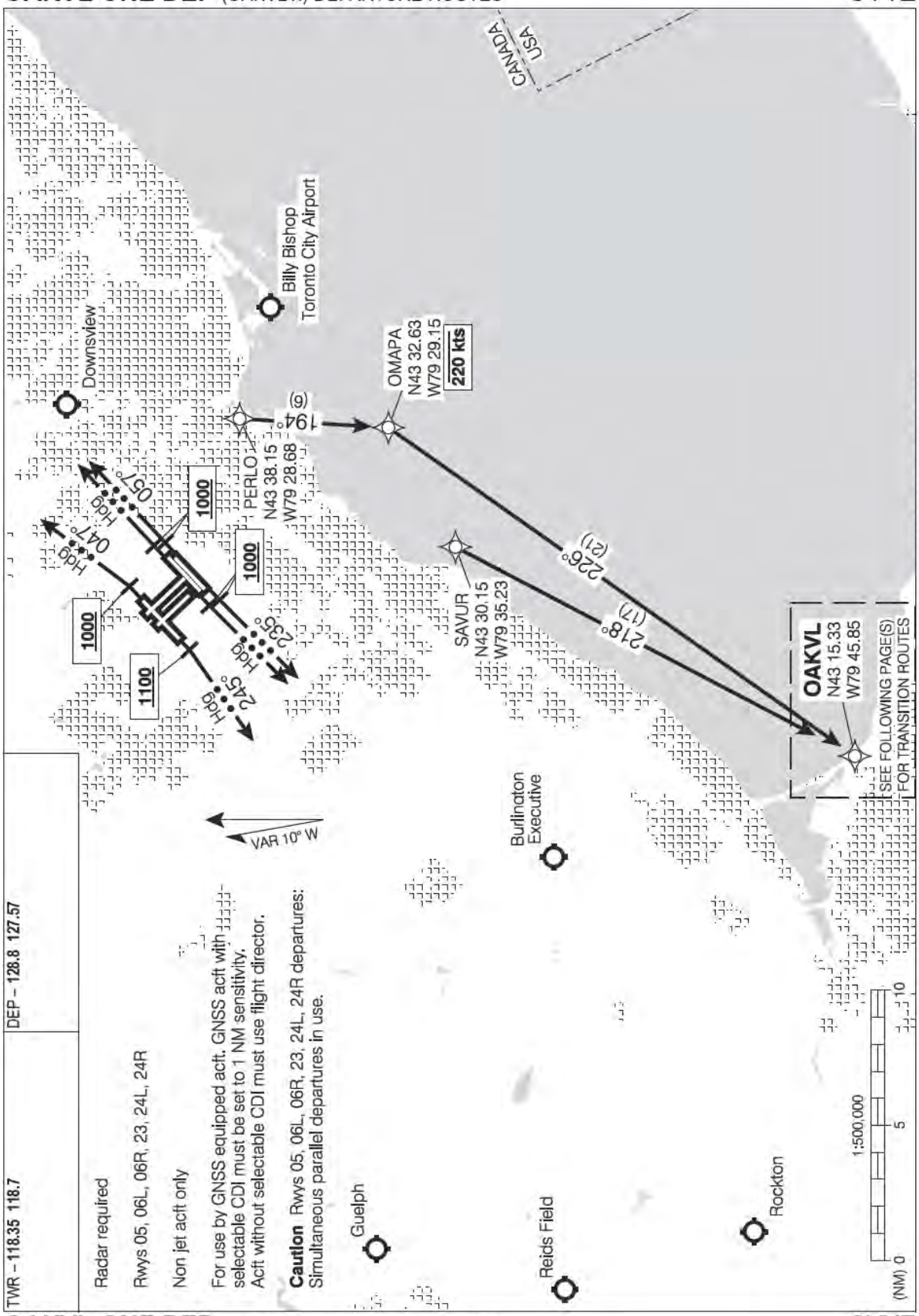
OAKVL ONE DEP (OAKVL1.) DEPARTURE ROUTES

CYYZ



TWR – 118.35 118.7

DEP – 128.8 127.57

Radar required

Rwys 05, 06L, 06R, 23, 24L, 24R

Non jet acft only

For use by GNSS equipped acft. GNSS acft with selectable CDI must be set to 1 NM sensitivity. Acft without selectable CDI must use flight director.

Caution Rwys 05, 06L, 06R, 23, 24L, 24R departures: Simultaneous parallel departures in use.

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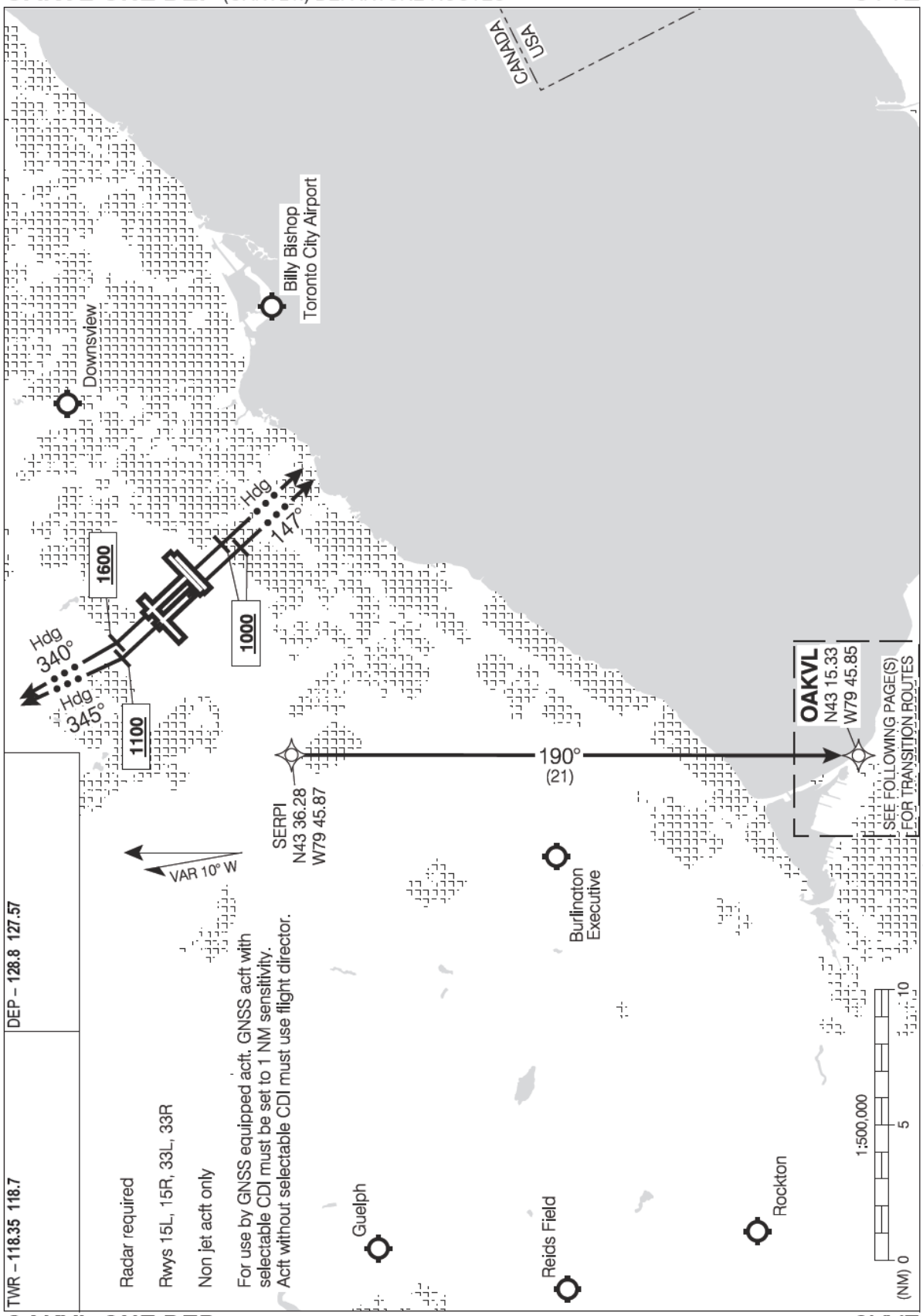
OAKVL ONE DEP (OAKVL1.) DEPARTURE ROUTES



TWR – 118.35 118.7

DEP – 128.8 127.57

Radar required

Rwys 15L, 15R, 33L, 33R

Non jet acft only

For use by GNSS equipped acft. GNSS acft with selectable CDI must be set to 1 NM sensitivity. Acft without selectable CDI must use flight director.

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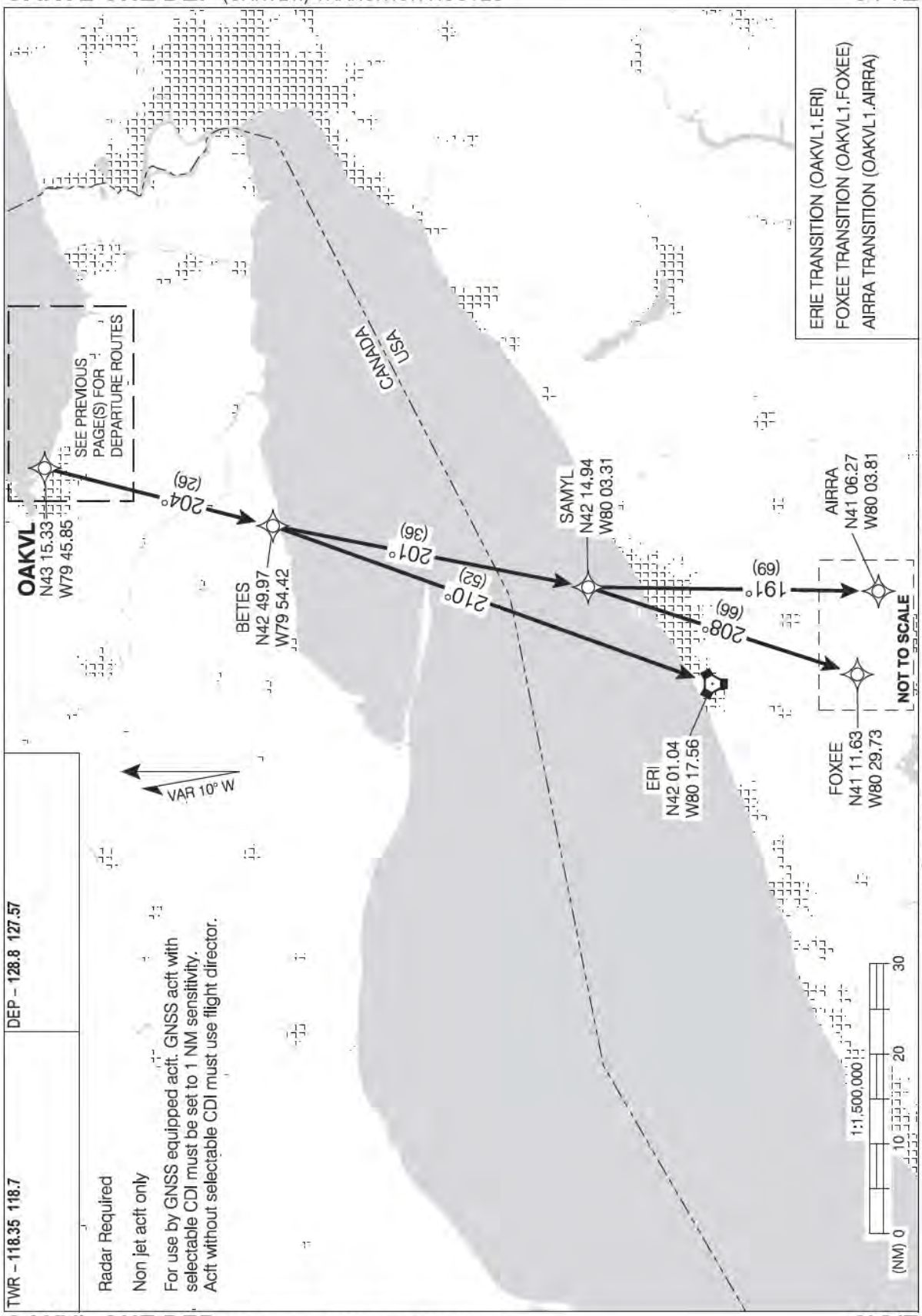
OAKVL ONE DEP (OAKVL1.) TRANSITION ROUTES

CYYZ



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Departure Route Description

Unless otherwise assigned by ATC:

All rwys: Maintain **3000**. Aircraft assigned a turn at takeoff; commence turn at **1100** ASL.

Rwy 05: Depart rwy 05, climb hdg **057°** to **1000**. Climbing LEFT turn hdg **047°** or as assigned. Expect radar vectors to PERLO (or as assigned) then proceed via depicted route.

Rwy 06L: Requires a minimum climb gradient of **220** ft/NM to **1100**. Depart rwy 06L, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to PERLO (or as assigned) then proceed via depicted route.

Rwy 06R: Requires a minimum climb gradient of **210** ft/NM to **1500**. Depart rwy 06R, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to PERLO (or as assigned) then proceed via depicted route.

Rwy 15L: Requires a minimum climb gradient of **410** ft/NM to **3000**. Depart rwy 15L, climb hdg **147°** or as assigned. Expect radar vectors to OAKVL (or as assigned) then proceed via depicted route.

Rwy 15R: Requires a minimum climb gradient of **390** ft/NM to **3000**. Depart rwy 15R, climb hdg **147°** or as assigned. Expect radar vectors to OAKVL (or as assigned) then proceed via depicted route.

Rwy 23: Depart rwy 23, climb hdg **237°** to **1100**. Climbing RIGHT turn hdg **245°** or as assigned. Expect radar vectors to SAVUR (or as assigned) then proceed via depicted route.

Rwys 24L & 24R: Depart rwy 24L/R, climb hdg **237°** to **1000**. Climbing LEFT turn hdg **235°** or as assigned. Expect radar vectors to SAVUR (or as assigned) then proceed via depicted route.

Rwy 33L: Requires a minimum climb gradient of **250** ft/NM to **900**. Depart rwy 33L, climb hdg **327°** to **1100**. Climbing RIGHT turn hdg **345°** or as assigned. Expect radar vectors to SERPI (or as assigned) then proceed via depicted route.

Rwy 33R: Depart rwy 33R, climb hdg **327°** to **1600**. Climbing RIGHT turn hdg **340°** or as assigned. Expect radar vectors to SERPI (or as assigned) then proceed via depicted route.

DEPARTURE CLIMB RATE V/V (FPM)

GROUND SPEED	90	120	140	160	180	200	250	300
210 FT/NM	320	420	490	560	630	700	880	1050
220 FT/NM	330	440	520	590	660	740	920	1100
250 FT/NM	380	500	590	670	750	840	1050	1250
390 FT/NM	590	780	910	1040	1170	1300	1630	1950
410 FT/NM	620	820	960	1100	1230	1370	1710	2050

ERIE TRANSITION: **(OAKVL1.ERI)**
FOXEE TRANSITION: **(OAKVL1.FOXEE)**
AIRRA TRANSITION: **(OAKVL1.AIRRA)**

Communication Failure

On recognition of failure 20 minutes or less after take-off and in IFR weather conditions proceed as follows:

1. Select transponder code 7600;
2. Beyond 10 NM from CYYZ proceed directly on course;
3. Do not climb above last assigned altitude for 5 minutes after recognition of failure, then;
4. Climb to flight planned altitude.

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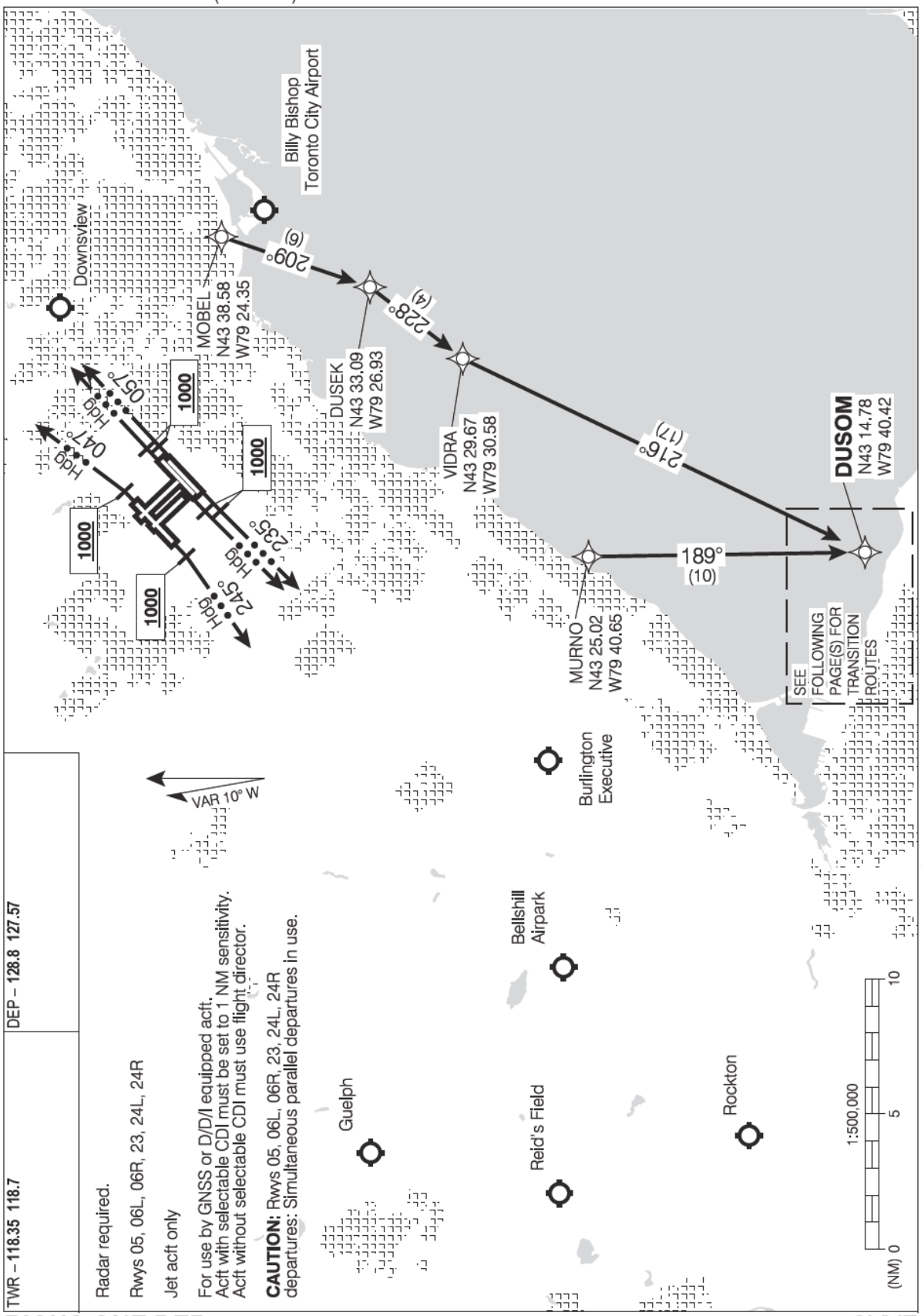
RIGUS ONE DEP (RIGUS1.) DEPARTURE ROUTES

CYYZ



TWR – 118.35 118.7	DEP – 128.8 127.57
Radar required. Rwys 05, 06L, 06R, 23, 24L, 24R Jet acft only For use by GNSS or D/D/I equipped acft. Acft with selectable CDI must be set to 1 NM sensitivity. Acft without selectable CDI must use flight director. **CAUTION:** Rwys 05, 06L, 06R, 23, 24L, 24R departures: Simultaneous parallel departures in use.	

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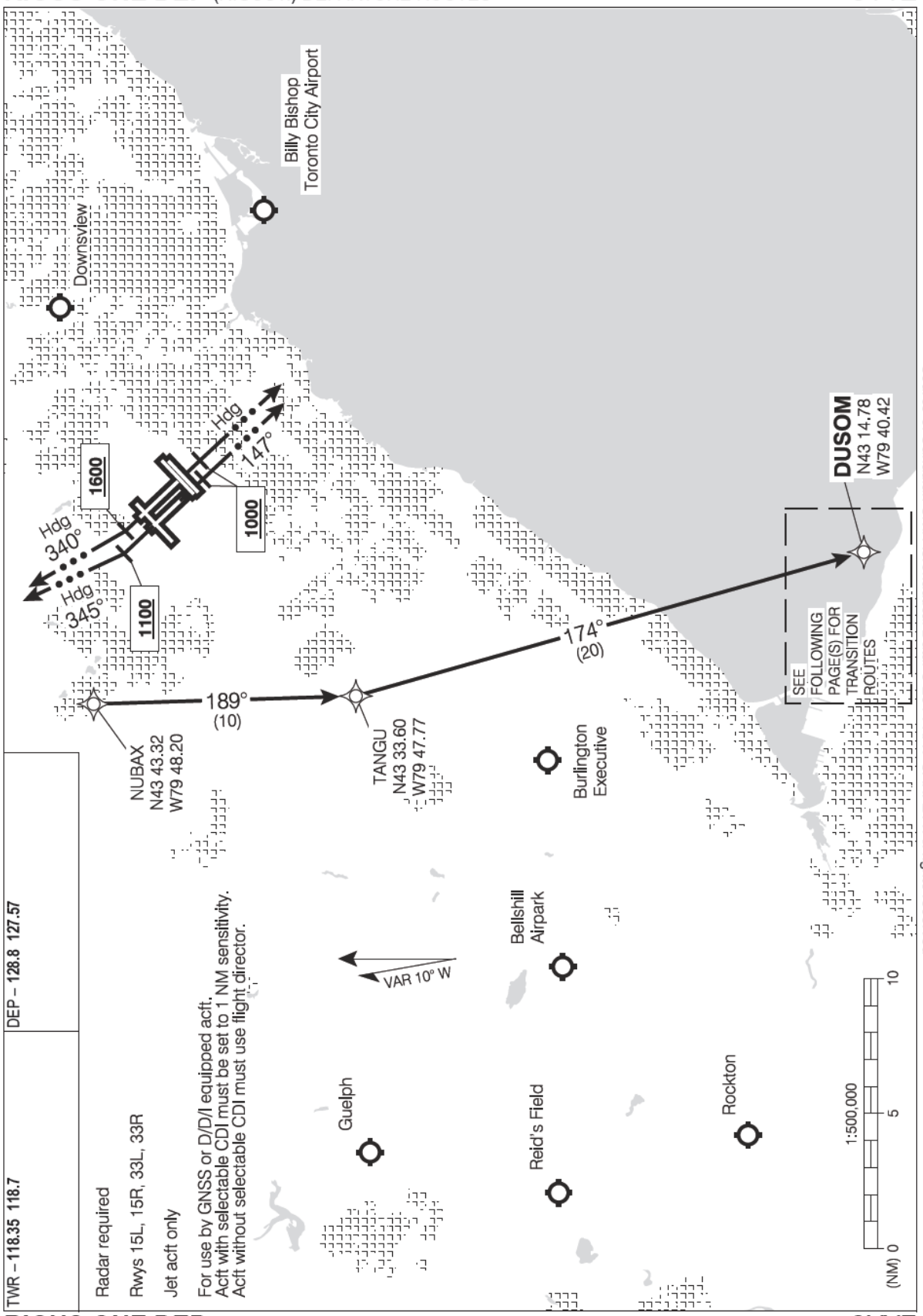
RIGUS ONE DEP (RIGUS1.) DEPARTURE ROUTES

CYYZ



TWR – 118.35 118.7

DEP – 128.8 127.57

Radar required

Rwys 15L, 15R, 33L, 33R

Jet acft only

For use by GNSS or D/D/I equipped acft.
Acft with selectable CDI must be set to 1 NM sensitivity.
Acft without selectable CDI must use flight director.

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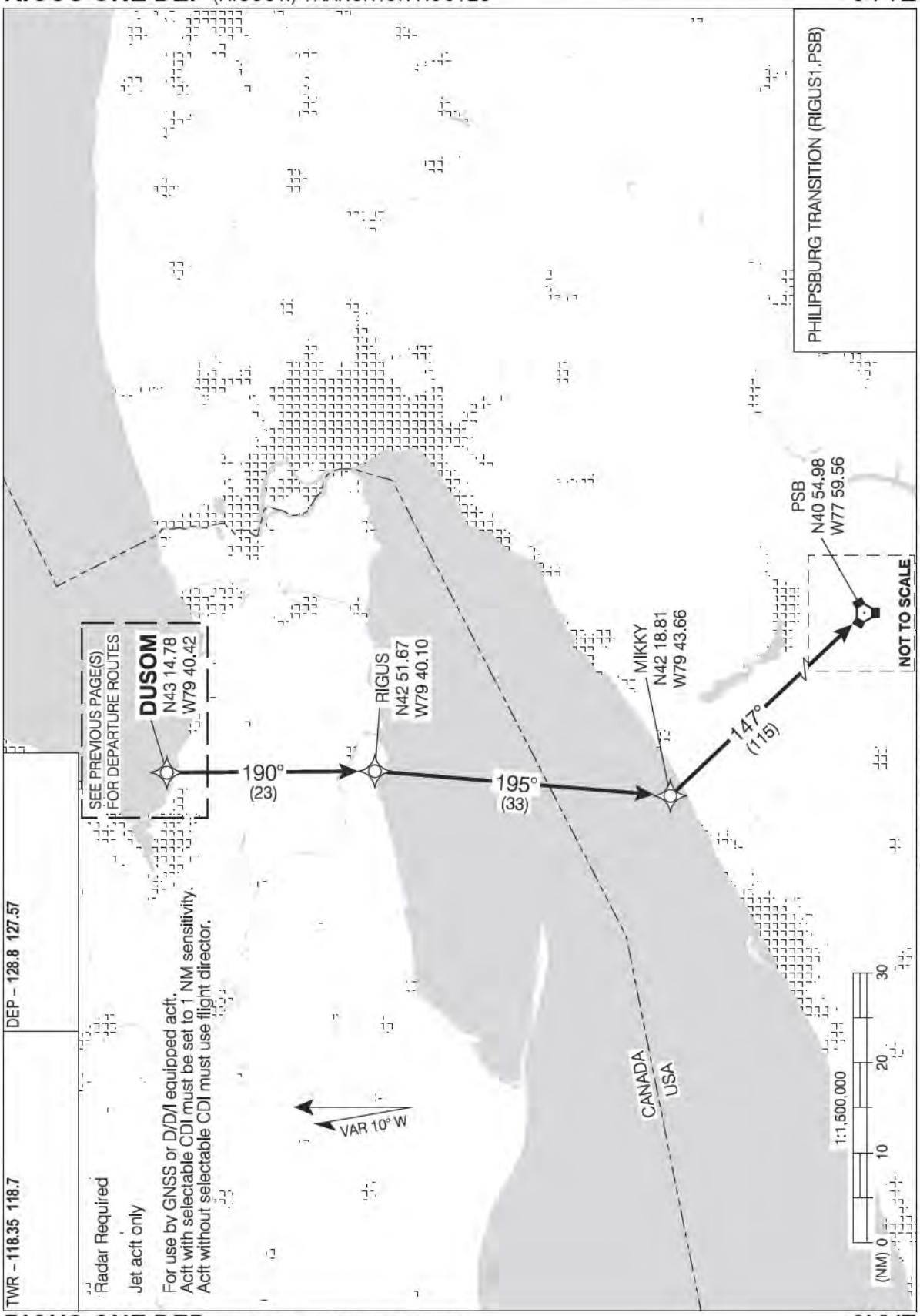
RIGUS ONE DEP (RIGUS1.) TRANSITION ROUTES



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Departure Route Description

Unless otherwise assigned by ATC:

All rwys: Maintain **5000**.

Rwy 05: Depart rwy 05, climb hdg **057°** to **1000**. Climbing LEFT turn hdg **047°** or as assigned. Expect radar vectors to MOBEL (or as assigned) then proceed via depicted route.

Rwy 06L: Requires a minimum climb gradient of **220** ft/NM to **1100**. Depart rwy 06L, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to MOBEL (or as assigned) then proceed via depicted route.

Rwy 06R: Requires a minimum climb gradient of **210** ft/NM to **1500**. Depart rwy 06R, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to MOBEL (or as assigned) then proceed via depicted route.

Rwy 15L: Requires a minimum climb gradient of **410** ft/NM to **3000**. Depart rwy 15L, climb hdg **147°** or as assigned. Expect radar vectors to DUSOM (or as assigned) then proceed via depicted route.

Rwy 15R: Requires a minimum climb gradient of **390** ft/NM to **3000**. Depart rwy 15R, climb hdg **147°** or as assigned. Expect radar vectors to DUSOM (or as assigned) then proceed via depicted route.

Rwy 23: Depart rwy 23, climb hdg **237°** to **1100**. Climbing RIGHT turn hdg **245°** or as assigned. Expect radar vectors to MURNO (or as assigned) then proceed via depicted route.

Rwys 24L & 24R: Depart rwy 24L/R, climb hdg **237°** to **1000**. Climbing LEFT turn hdg **235°** or as assigned. Expect radar vectors to MURNO (or as assigned) then proceed via depicted route.

Rwy 33L: Requires a minimum climb gradient of **250** ft/NM to **900**. Depart rwy 33L, climb hdg **327°** to **1100**. Climbing RIGHT turn hdg **345°** or as assigned. Expect radar vectors to NUBAX (or as assigned) then proceed via depicted route.

Rwy 33R: Depart rwy 33R, climb hdg **327°** to **1600**. Climbing RIGHT turn hdg **340°** or as assigned. Expect radar vectors to NUBAX (or as assigned) then proceed via depicted route.

DEPARTURE CLIMB RATE V/V (FPM)

GROUND SPEED	90	120	140	160	180	200	250	300
210 FT/NM	320	420	490	560	630	700	880	1050
220 FT/NM	330	440	520	590	660	740	920	1100
250 FT/NM	380	500	590	670	750	840	1050	1250
390 FT/NM	590	780	910	1040	1170	1300	1630	1950
410 FT/NM	620	820	960	1100	1230	1370	1710	2050

PHILIPSBURG TRANSITION: (RIGUS1.BSP)

Communication Failure

On recognition of failure 20 minutes or less after take-off and in IFR weather conditions proceed as follows:

1. Select transponder code 7600;
2. Beyond 10 NM from CYYZ proceed directly on course;
3. Do not climb above last assigned altitude for 5 minutes after recognition of failure, then;
4. Climb to flight planned altitude.

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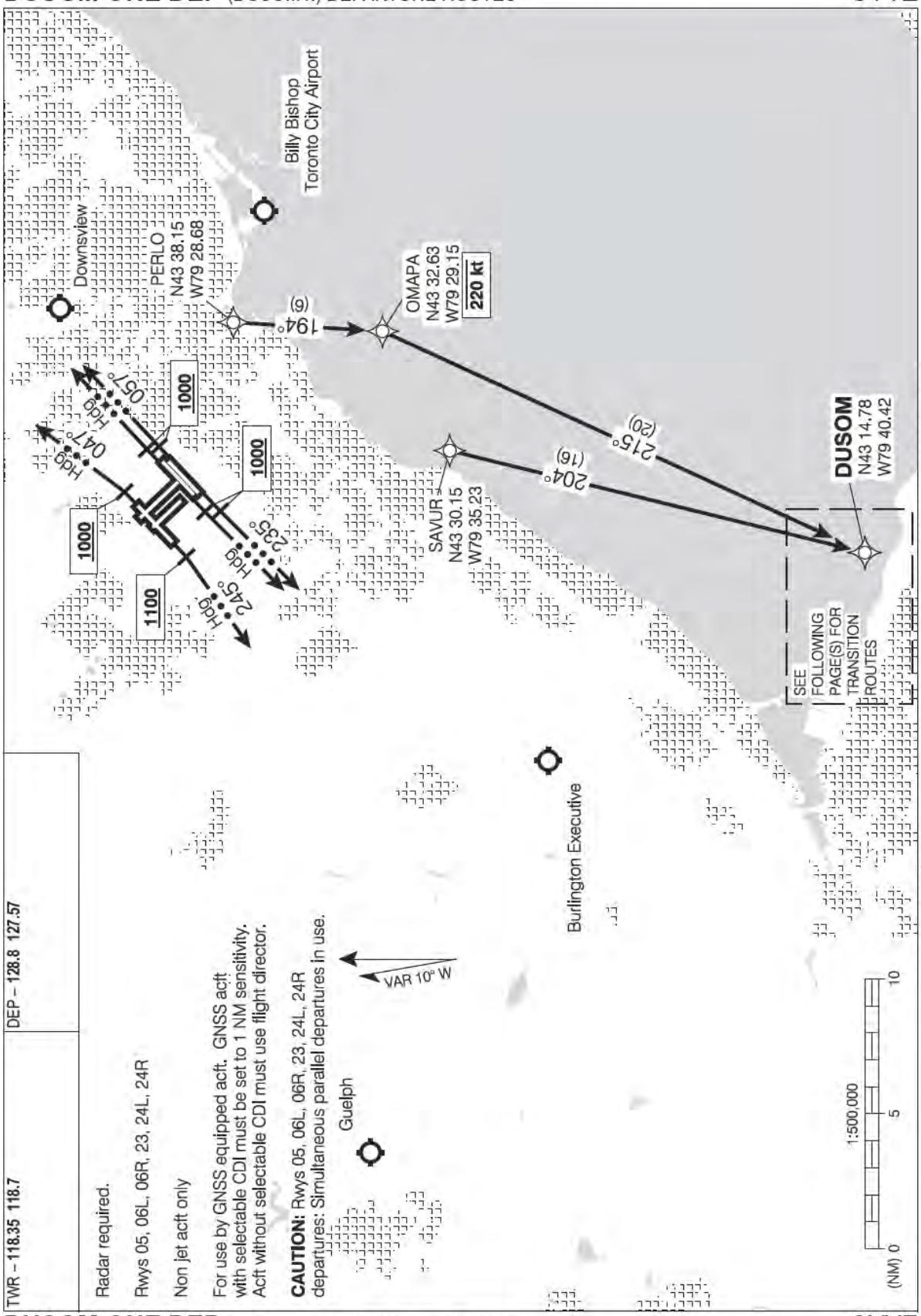
DUSOM ONE DEP (DUSOM1.) DEPARTURE ROUTES

CYYZ



TWR – 118.35 118.7

DEP – 128.8 127.57

Radar required.

Rwys 05, 06L, 06R, 23, 24L, 24R

Non jet acft only

For use by GNSS equipped acft. GNSS acft with selectable CDI must be set to 1 NM sensitivity. Acft without selectable CDI must use flight director.

CAUTION: Rwys 05, 06L, 06R, 23, 24L, 24R departures: Simultaneous parallel departures in use.

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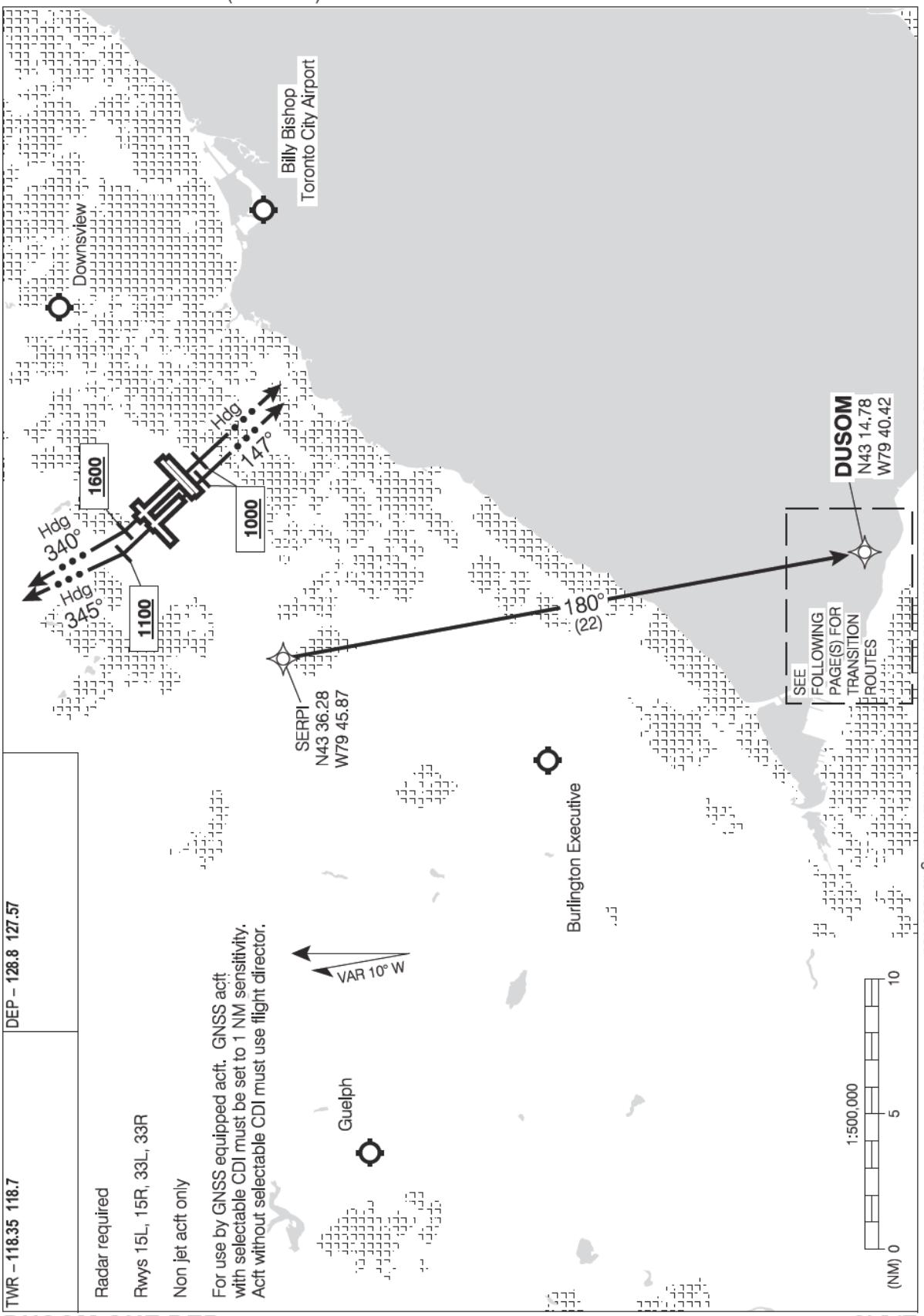
DUSOM ONE DEP (DUSOM1.) DEPARTURE ROUTES



TWR – 118.35 118.7

DEP – 128.8 127.57

Radar required

Rwys 15L, 15R, 33L, 33R

Non jet acft only

For use by GNSS equipped acft. GNSS acft with selectable CDI must be set to 1 NM sensitivity. Acft without selectable CDI must use flight director.

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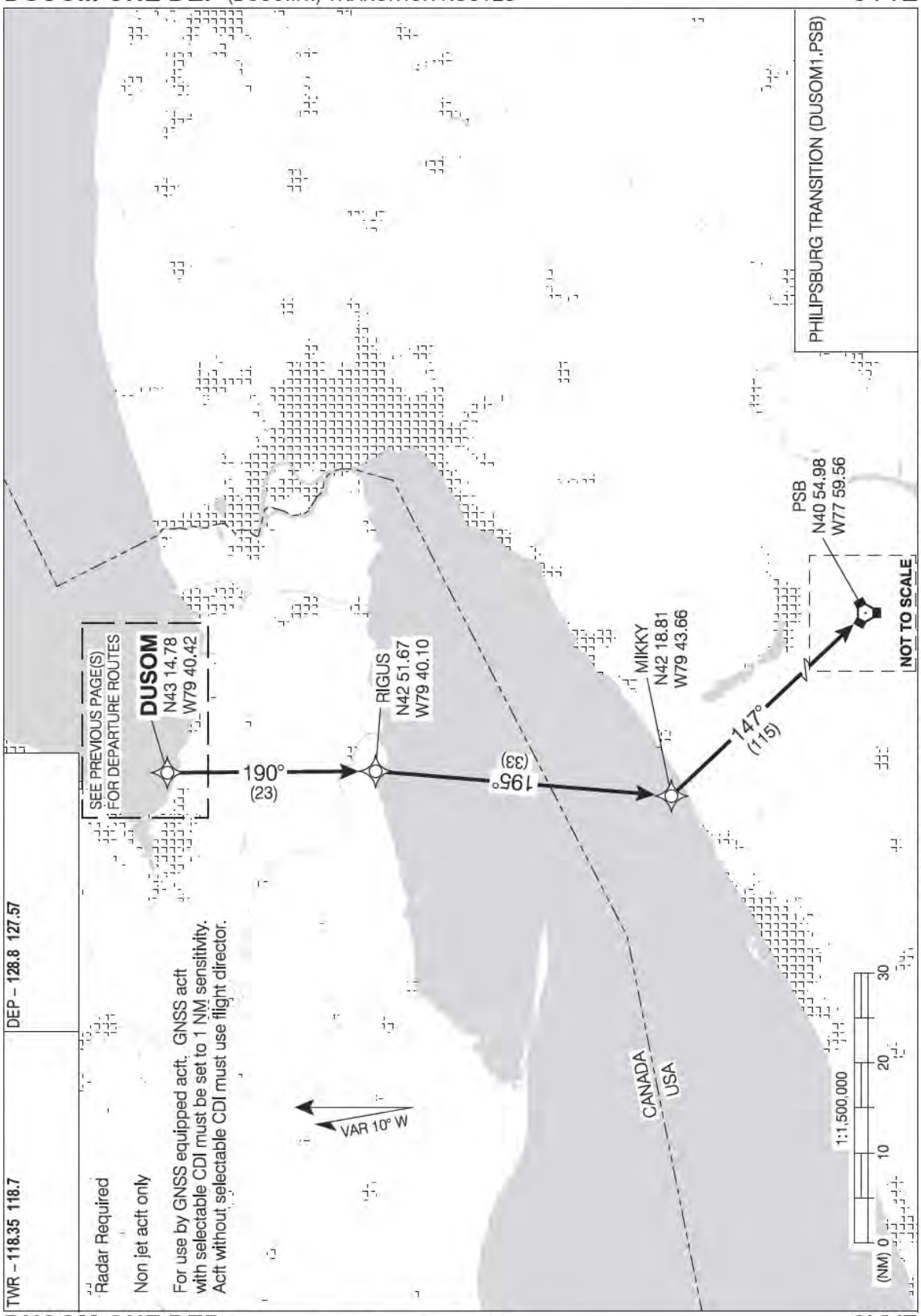
DUSOM ONE DEP (DUSOM1.) TRANSITION ROUTES

CYYZ



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Departure Route Description

Unless otherwise assigned by ATC:

All rwys: Maintain **3000**. Aircraft assigned a turn at takeoff; commence turn at **1100** ASL.

Rwy 05: Depart rwy 05, climb hdg **057°** to **1000**. Climbing LEFT turn hdg **047°** or as assigned. Expect radar vectors to PERLO (or as assigned) then proceed via depicted route.

Rwy 06L: Requires a minimum climb gradient of **220** ft/NM to **1100**. Depart rwy 06L, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to PERLO (or as assigned) then proceed via depicted route.

Rwy 06R: Requires a minimum climb gradient of **210** ft/NM to **1500**. Depart rwy 06R, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to PERLO (or as assigned) then proceed via depicted route.

Rwy 15L: Requires a minimum climb gradient of **410** ft/NM to **3000**. Depart rwy 15L, climb hdg **147°** or as assigned. Expect radar vectors to DUSOM (or as assigned) then proceed via depicted route.

Rwy 15R: Requires a minimum climb gradient of **390** ft/NM to **3000**. Depart rwy 15R, climb hdg **147°** or as assigned. Expect radar vectors to DUSOM (or as assigned) then proceed via depicted route.

Rwy 23: Depart rwy 23, climb hdg **237°** to **1100**. Climbing RIGHT turn hdg **245°** or as assigned. Expect radar vectors to SAVUR (or as assigned) then proceed via depicted route.

Rwys 24L & 24R: Depart rwy 24L/R, climb hdg **237°** to **1000**. Climbing LEFT turn hdg **235°** or as assigned. Expect radar vectors to SAVUR (or as assigned) then proceed via depicted route.

Rwy 33L: Requires a minimum climb gradient of **250** ft/NM to **900**. Depart rwy 33L, climb hdg **327°** to **1100**. Climbing RIGHT turn hdg **345°** or as assigned. Expect radar vectors to SERPI (or as assigned) then proceed via depicted route.

Rwy 33R: Depart rwy 33R, climb hdg **327°** to **1600**. Climbing RIGHT turn hdg **340°** or as assigned. Expect radar vectors to SERPI (or as assigned) then proceed via depicted route.

DEPARTURE CLIMB RATE V/V (FPM)

GROUND SPEED	90	120	140	160	180	200	250	300
210 FT/NM	320	420	490	560	630	700	880	1050
220 FT/NM	330	440	520	590	660	740	920	1100
250 FT/NM	380	500	590	670	750	840	1050	1250
390 FT/NM	590	780	910	1040	1170	1300	1630	1950
410 FT/NM	620	820	960	1100	1230	1370	1710	2050

PHILIPSBURG TRANSITION: (DUSOM1.PSB)

Communication Failure

On recognition of failure 20 minutes or less after take-off and in IFR weather conditions proceed as follows:

1. Select transponder code 7600;
2. Beyond 10 NM from CYYZ proceed directly on course;
3. Do not climb above last assigned altitude for 5 minutes after recognition of failure, then;
4. Climb to flight planned altitude.

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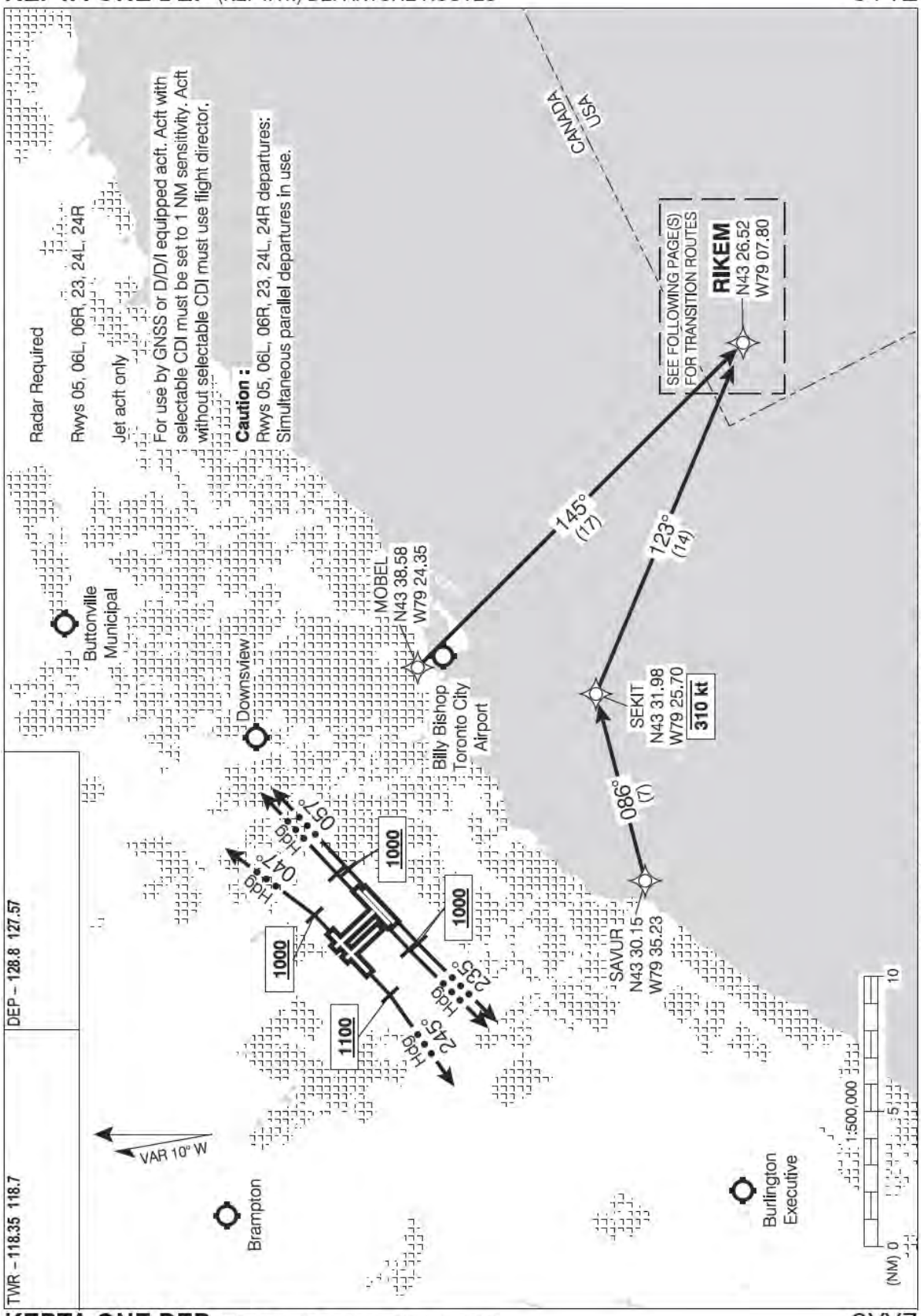
KEPTA ONE DEP (KEPTA1.) DEPARTURE ROUTES

CYYZ



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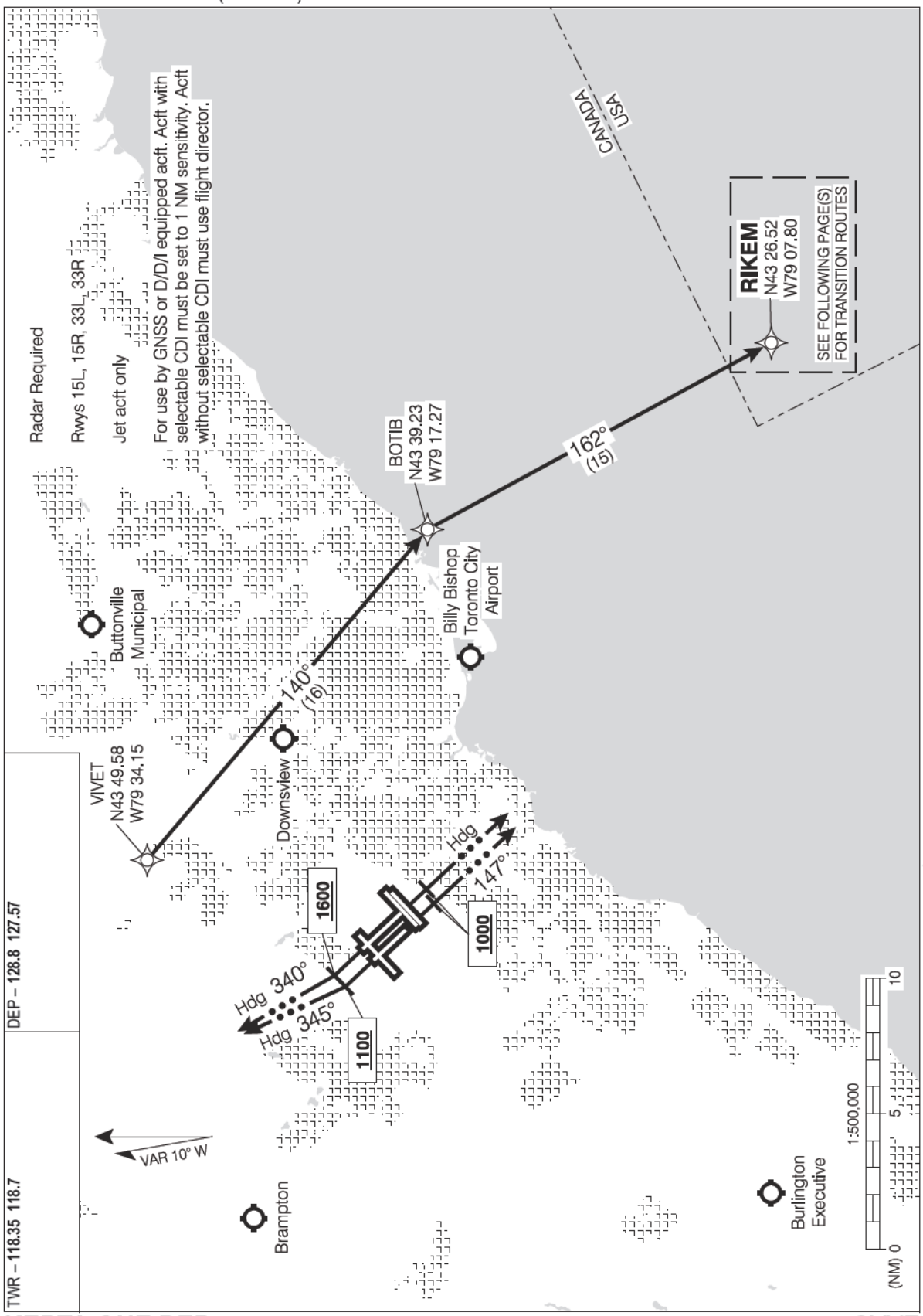
KEPTA ONE DEP (KEPTA1.) DEPARTURE ROUTES

CYYZ



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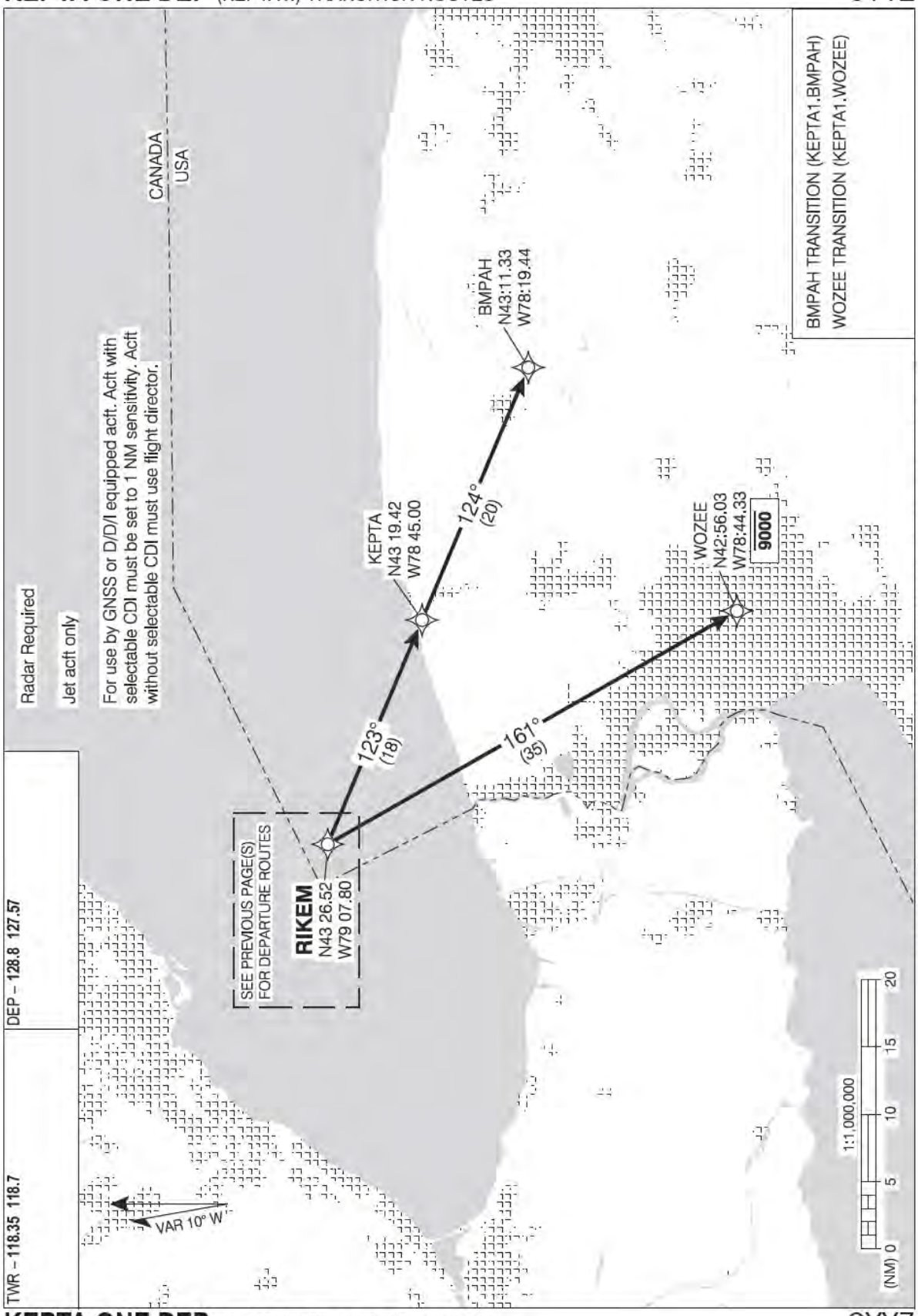
KEPTA ONE DEP (KEPTA1.) TRANSITION ROUTES

CYYZ



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Departure Route Description

Unless otherwise assigned by ATC:

All rwys: Maintain **5000**.

Rwy 05: Depart rwy 05, climb hdg **057°** to **1000**. Climbing LEFT turn hdg **047°** or as assigned. Expect radar vectors to MOBEL (or as assigned) then proceed via depicted route.

Rwy 06L: Requires a minimum climb gradient of **220** ft/NM to **1100**. Depart rwy 06L, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to MOBEL (or as assigned) then proceed via depicted route.

Rwy 06R: Requires a minimum climb gradient of **210** ft/NM to **1500**. Depart rwy 06R, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to MOBEL (or as assigned) then proceed via depicted route.

Rwy 15L: Requires a minimum climb gradient of **410** ft/NM to **3000**. Depart rwy 15L, climb hdg **147°** or as assigned. Expect radar vectors to RIKEM (or as assigned) then proceed via depicted route.

Rwy 15R: Requires a minimum climb gradient of **390** ft/NM to **3000**. Depart rwy 15R, climb hdg **147°** or as assigned. Expect radar vectors to RIKEM (or as assigned) then proceed via depicted route.

Rwy 23: Depart rwy 23, climb hdg **237°** to **1100**. Climbing RIGHT turn hdg **245°** or as assigned. Expect radar vectors to SAVUR (or as assigned) then proceed via depicted route.

Rwys 24L & 24R: Depart rwy 24L/R, climb hdg **237°** to **1000**. Climbing LEFT turn hdg **235°** or as assigned. Expect radar vectors to SAVUR (or as assigned) then proceed via depicted route.

Rwy 33L: Requires a minimum climb gradient of **250** ft/NM to **900**. Depart rwy 33L, climb hdg **327°** to **1100**. Climbing RIGHT turn hdg **345°** or as assigned. Expect radar vectors to VIVET (or as assigned) then proceed via depicted route.

Rwy 33R: Depart rwy 33R, climb hdg **327°** to **1600**. Climbing RIGHT turn hdg **340°** or as assigned. Expect radar vectors to VIVET (or as assigned) then proceed via depicted route.

DEPARTURE CLIMB RATE V/V (FPM)

GROUND SPEED	90	120	140	160	180	200	250	300
210 FT/NM	320	420	490	560	630	700	880	1050
220 FT/NM	330	440	520	590	660	740	920	1100
250 FT/NM	380	500	590	670	750	840	1050	1250
390 FT/NM	590	780	910	1040	1170	1300	1630	1950
410 FT/NM	620	820	960	1100	1230	1370	1710	2050

WOZEE TRANSITION: **(KEPTA1.WOZEE)**
BMPAH TRANSITION: **(KEPTA1.BMPAH)**

Communication Failure

On recognition of failure 20 minutes or less after take-off and in IFR weather conditions proceed as follows:

1. Select transponder code 7600;
2. Beyond 10 NM from CYYZ proceed directly on course;
3. Do not climb above last assigned altitude for 5 minutes after recognition of failure, then;
4. Climb to flight planned altitude.

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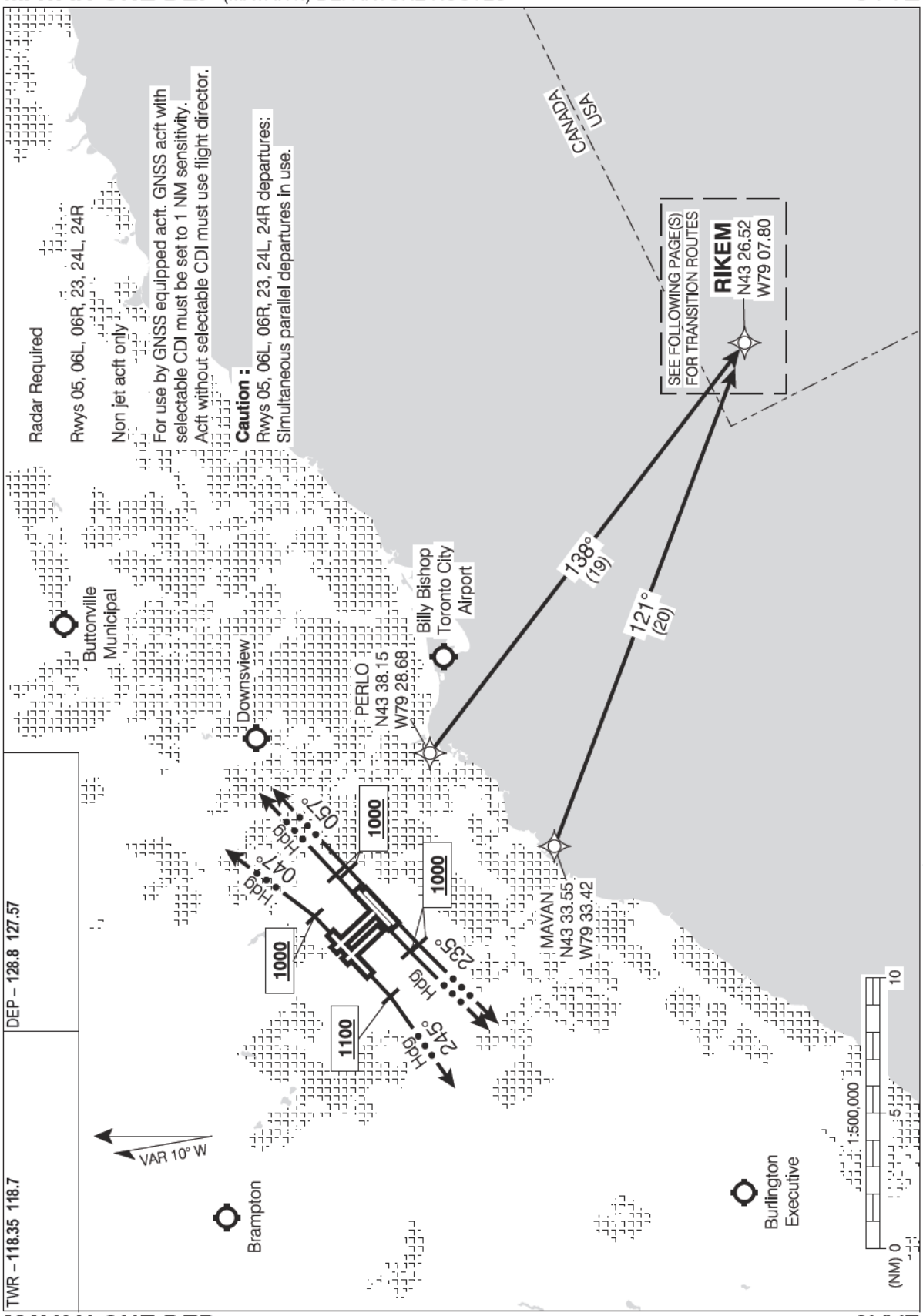
MAVAN ONE DEP (MAVAN1.) DEPARTURE ROUTES

CYYZ



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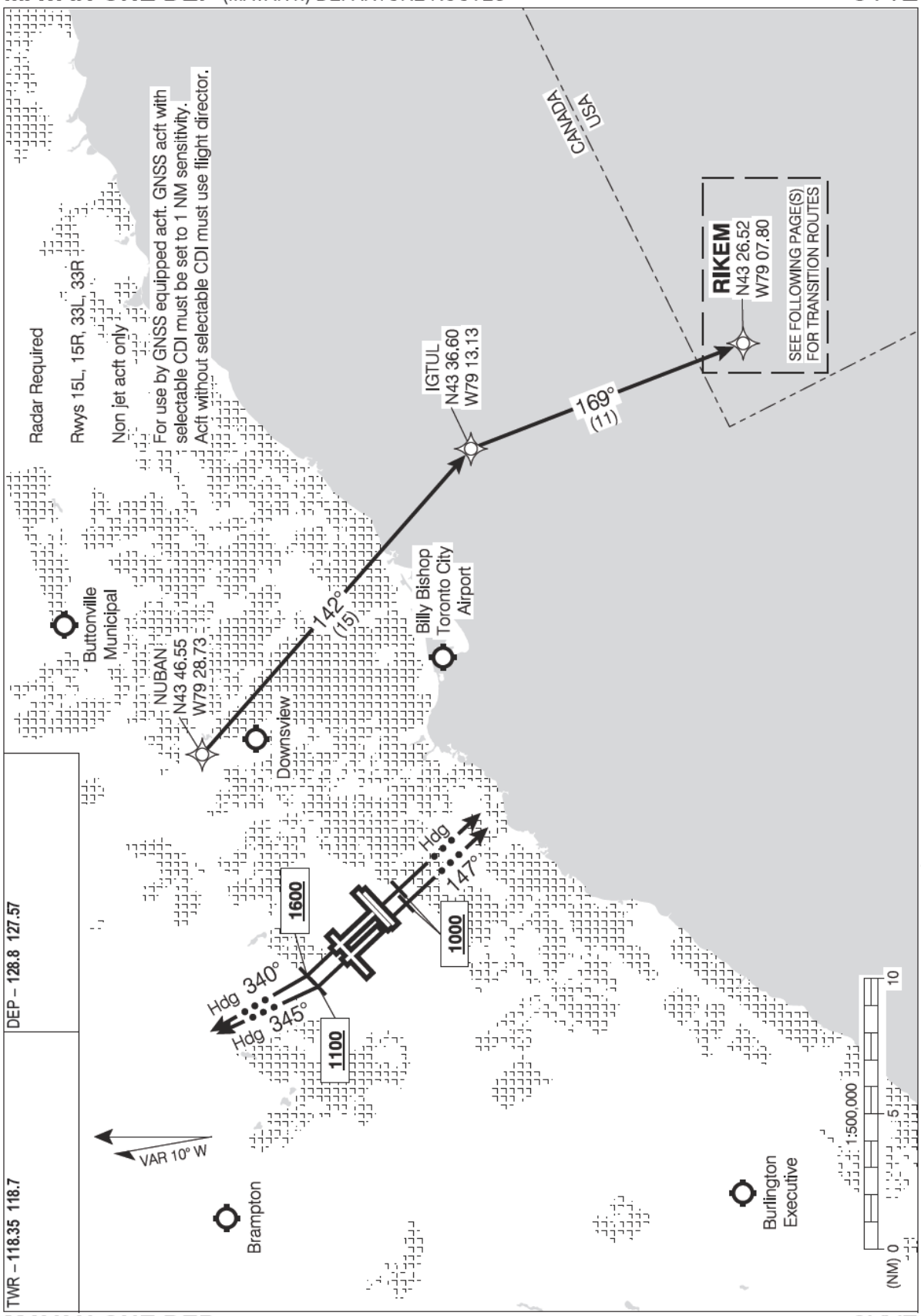
MAVAN ONE DEP (MAVAN1.) DEPARTURE ROUTES

CYYZ



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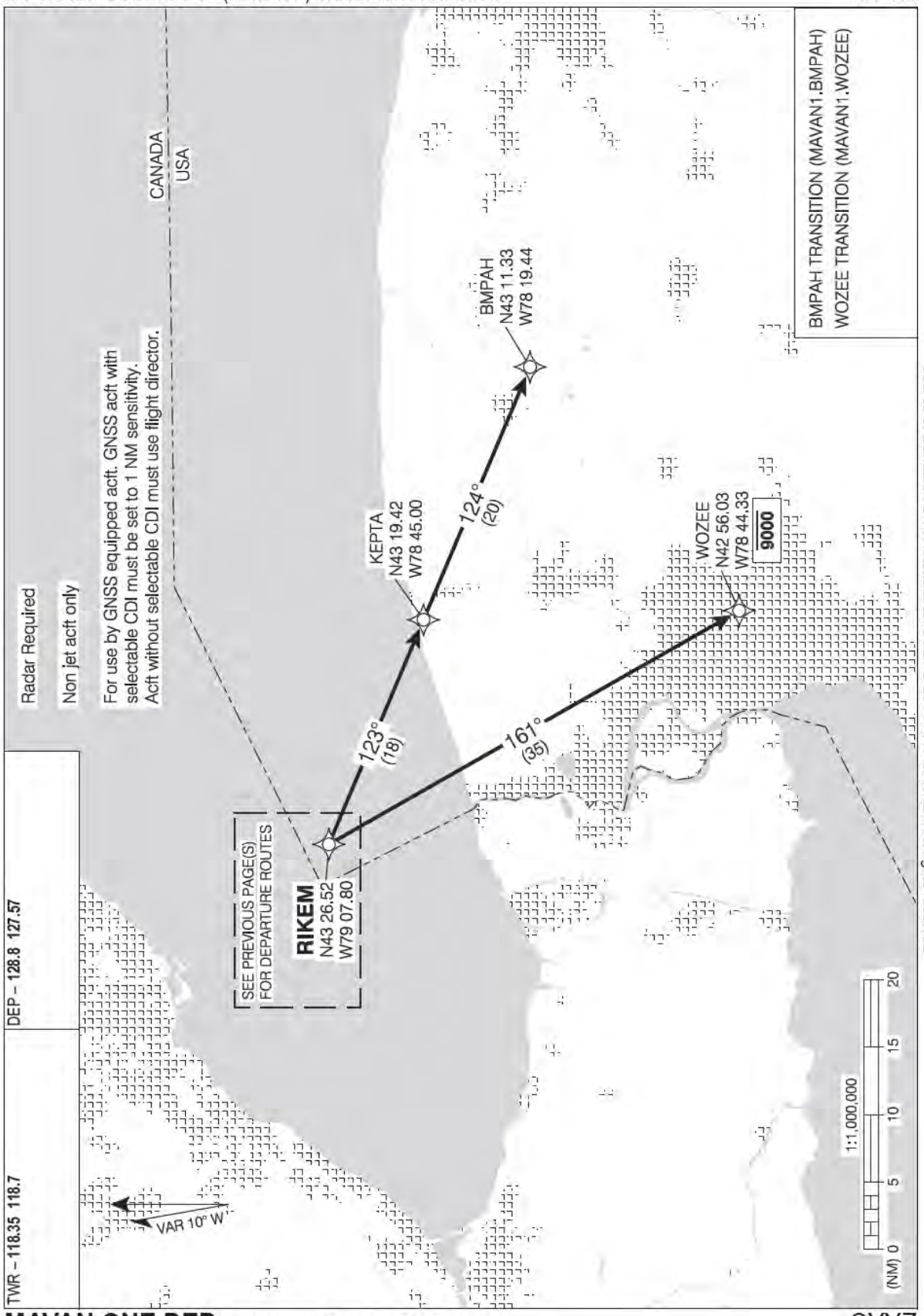
MAVAN ONE DEP (MAVAN1.) TRANSITION ROUTES



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Departure Route Description

Unless otherwise assigned by ATC:

All rwys: Maintain **3000**. Aircraft assigned a turn at takeoff; commence turn at **1100** ASL.

Rwy 05: Depart rwy 05, climb hdg **057°** to **1000**. Climbing LEFT turn hdg **047°** or as assigned. Expect radar vectors to PERLO (or as assigned) then proceed via depicted route.

Rwy 06L: Requires a minimum climb gradient of **220** ft/NM to **1100**. Depart rwy 06L, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to PERLO (or as assigned) then proceed via depicted route.

Rwy 06R: Requires a minimum climb gradient of **210** ft/NM to **1500**. Depart rwy 06R, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to PERLO (or as assigned) then proceed via depicted route.

Rwy 15L: Requires a minimum climb gradient of **410** ft/NM to **3000**. Depart rwy 15L, climb hdg **147°** or as assigned. Expect radar vectors to RIKEM (or as assigned) then proceed via depicted route.

Rwy 15R: Requires a minimum climb gradient of **390** ft/NM to **3000**. Depart rwy 15R, climb hdg **147°** or as assigned. Expect radar vectors to RIKEM (or as assigned) then proceed via depicted route.

Rwy 23: Depart rwy 23, climb hdg **237°** to **1100**. Climbing RIGHT turn hdg **245°** or as assigned. Expect radar vectors to MAVAN (or as assigned) then proceed via depicted route.

Rwys 24L & 24R: Depart rwy 24L/R, climb hdg **237°** to **1000**. Climbing LEFT turn hdg **235°** or as assigned. Expect radar vectors to MAVAN (or as assigned) then proceed via depicted route.

Rwy 33L: Requires a minimum climb gradient of **250** ft/NM to **900**. Depart rwy 33L, climb hdg **327°** to **1100**. Climbing RIGHT turn hdg **345°** or as assigned. Expect radar vectors to NUBAN (or as assigned) then proceed via depicted route.

Rwy 33R: Depart rwy 33R, climb hdg **327°** to **1600**. Climbing RIGHT turn hdg **340°** or as assigned. Expect radar vectors to NUBAN (or as assigned) then proceed via depicted route.

DEPARTURE CLIMB RATE V/V (FPM)

GROUND SPEED	90	120	140	160	180	200	250	300
210 FT/NM	320	420	490	560	630	700	880	1050
220 FT/NM	330	440	520	590	660	740	920	1100
250 FT/NM	380	500	590	670	750	840	1050	1250
390 FT/NM	590	780	910	1040	1170	1300	1630	1950
410 FT/NM	620	820	960	1100	1230	1370	1710	2050

BMPAH TRANSITION: **(MAVAN1.BMPAH)**
WOZEE TRANSITION: **(MAVAN1.WOZEE)**

Communication Failure

On recognition of failure 20 minutes or less after take-off and in IFR weather conditions proceed as follows:

1. Select transponder code 7600;
2. Beyond 10 NM from CYYZ proceed directly on course;
3. Do not climb above last assigned altitude for 5 minutes after recognition of failure, then;
4. Climb to flight planned altitude.

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TEVAD ONE DEP (TEVAD1.)

CYYZ

TWR – 118.35 118.7

DEP – 128.8 127.57

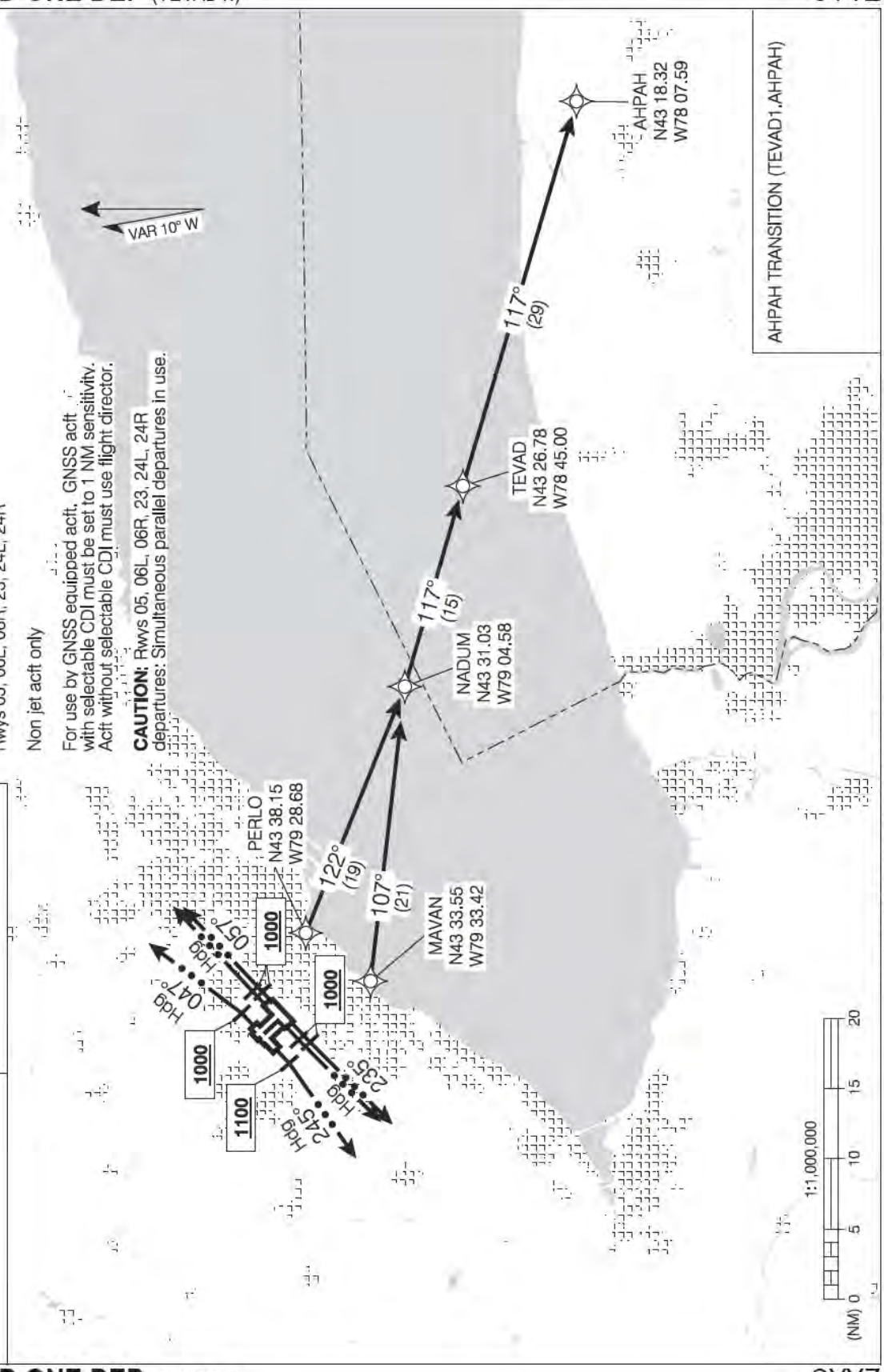
Radar required.

Rwys 05, 06L, 06R, 23, 24L, 24R

Non jet acft only

For use by GNSS equipped acft. GNSS acft with selectable CDI must be set to 1 NM sensitivity. Acft without selectable CDI must use flight director.

CAUTION: Rwys 05, 06L, 06R, 23, 24L, 24R departures: Simultaneous parallel departures in use.



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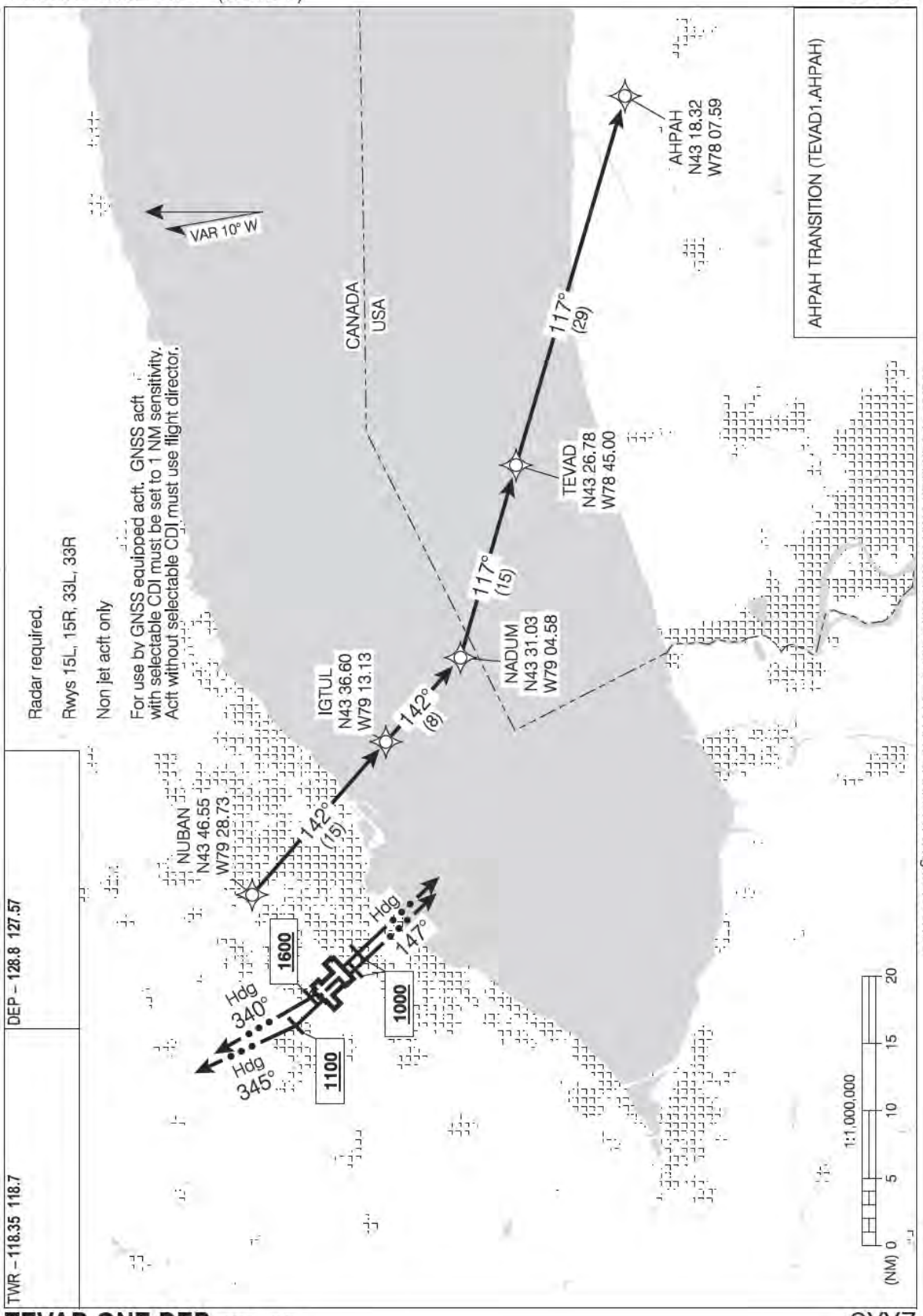
TEVAD ONE DEP (TEVAD1.)

CYYZ



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Departure Route Description

Unless otherwise assigned by ATC:

All rwys: Maintain **3000**. Aircraft assigned a turn at takeoff; commence turn at **1100** ASL.

Rwy 05: Depart rwy 05, climb hdg **057°** to **1000**. Climbing LEFT turn hdg **047°** or as assigned. Expect radar vectors to PERLO (or as assigned) then proceed via depicted route.

Rwy 06L: Requires a minimum climb gradient of **220** ft/NM to **1100**. Depart rwy 06L, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to PERLO (or as assigned) then proceed via depicted route.

Rwy 06R: Requires a minimum climb gradient of **210** ft/NM to **1500**. Depart rwy 06R, climb hdg **057°** to **1000**. Continue climb hdg **057°** or as assigned. Expect radar vectors to PERLO (or as assigned) then proceed via depicted route.

Rwy 15L: Requires a minimum climb gradient of **410** ft/NM to **3000**. Depart rwy 15L, climb hdg **147°** or as assigned. Expect radar vectors to NADUM (or as assigned) then proceed via depicted route.

Rwy 15R: Requires a minimum climb gradient of **390** ft/NM to **3000**. Depart rwy 15R, climb hdg **147°** or as assigned. Expect radar vectors to NADUM (or as assigned) then proceed via depicted route.

Rwy 23: Depart rwy 23, climb hdg **237°** to **1100**. Climbing RIGHT turn hdg **245°** or as assigned. Expect radar vectors to MAVAN (or as assigned) then proceed via depicted route.

Rwys 24L & 24R: Depart rwy 24L/R, climb hdg **237°** to **1000**. Climbing LEFT turn hdg **235°** or as assigned. Expect radar vectors to MAVAN (or as assigned) then proceed via depicted route.

Rwy 33L: Requires a minimum climb gradient of **250** ft/NM to **900**. Depart rwy 33L, climb hdg **327°** to **1100**. Climbing RIGHT turn hdg **345°** or as assigned. Expect radar vectors to NUBAN (or as assigned) then proceed via depicted route.

Rwy 33R: Depart rwy 33R, climb hdg **327°** to **1600**. Climbing RIGHT turn hdg **340°** or as assigned. Expect radar vectors to NUBAN (or as assigned) then proceed via depicted route.

DEPARTURE CLIMB RATE V/V (FPM)

GROUND SPEED	90	120	140	160	180	200	250	300
210 FT/NM	320	420	490	560	630	700	880	1050
220 FT/NM	330	440	520	590	660	740	920	1100
250 FT/NM	380	500	590	670	750	840	1050	1250
390 FT/NM	590	780	910	1040	1170	1300	1630	1950
410 FT/NM	620	820	960	1100	1230	1370	1710	2050

AHPAH TRANSITION: **(TEVAD1.AHPAH)**

Communication Failure

On recognition of failure 20 minutes or less after take-off and in IFR weather conditions proceed as follows:

1. Select transponder code 7600;
2. Beyond 10 NM from CYYZ proceed directly on course;
3. Do not climb above last assigned altitude for 5 minutes after recognition of failure, then;
4. Climb to flight planned altitude.

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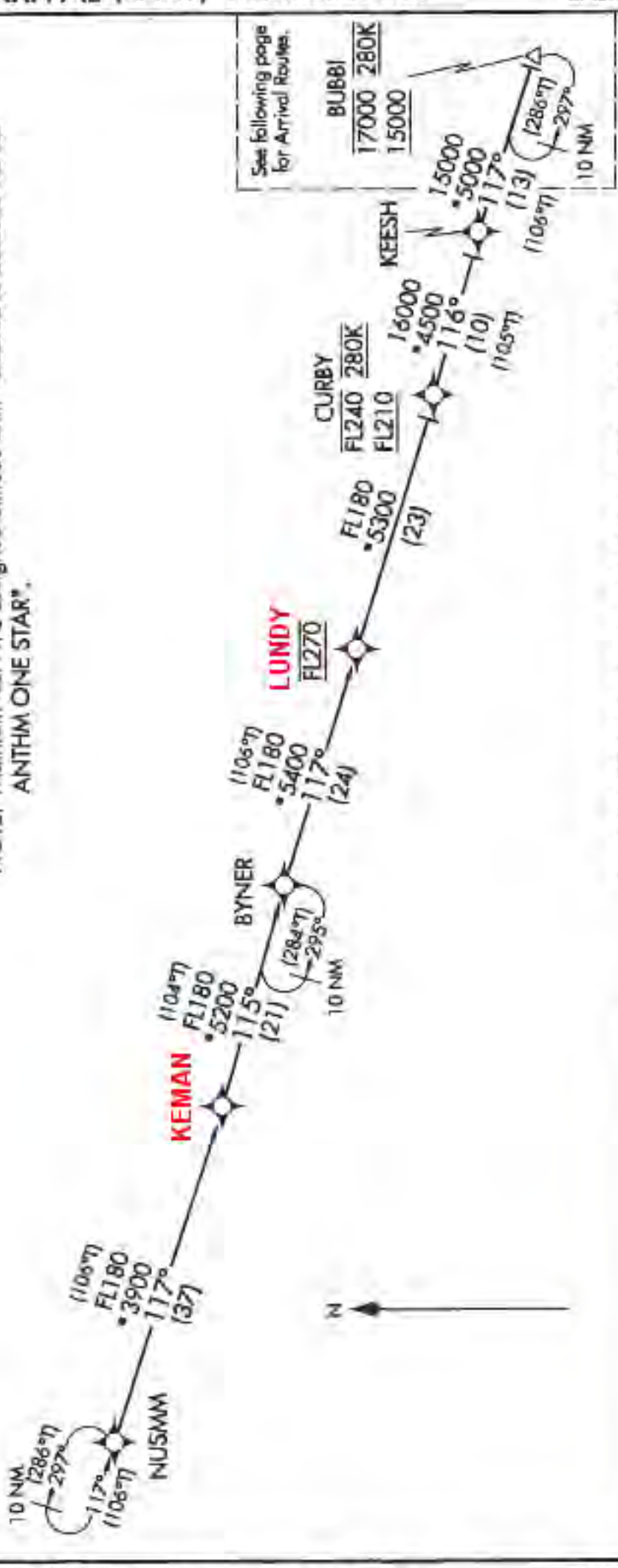
ANTHM ONE ARRIVAL (RNAV) Transition Routes

BALTIMORE, MARYLAND

NOTE: RADAR required
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS Required.
NOTE: Turbojet aircraft only.
NOTE: Prohibited (P56) 1.5 NM north of DCA avoid surface to 18000 MSL
NOTE: Maintain last ATC assigned altitude until "Cleared to descend via the ANTHM ONE STAR".



PROTOTYPE-NOT FOR NAVIGATION

(CONTINUED ON FOLLOWING PAGE)

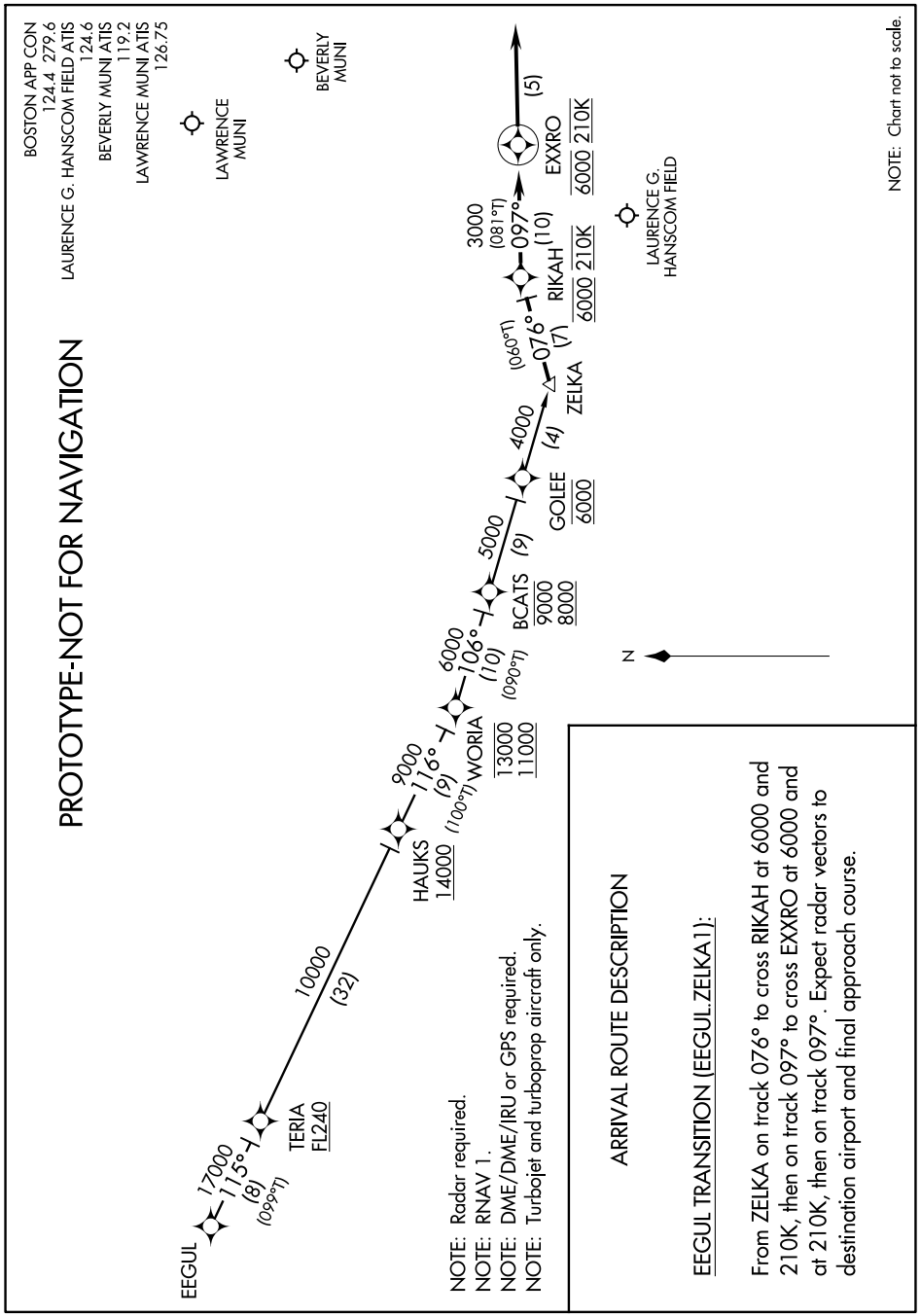
NOTE: Chart not to scale.

BALTIMORE ATIS
115.1
POTOMAC APP CON
133.85 254.25

KEMAN TRANSITION (KEMAN.ANTHM1)
NUSMM TRANSITION (NUSMM.ANTHM1)

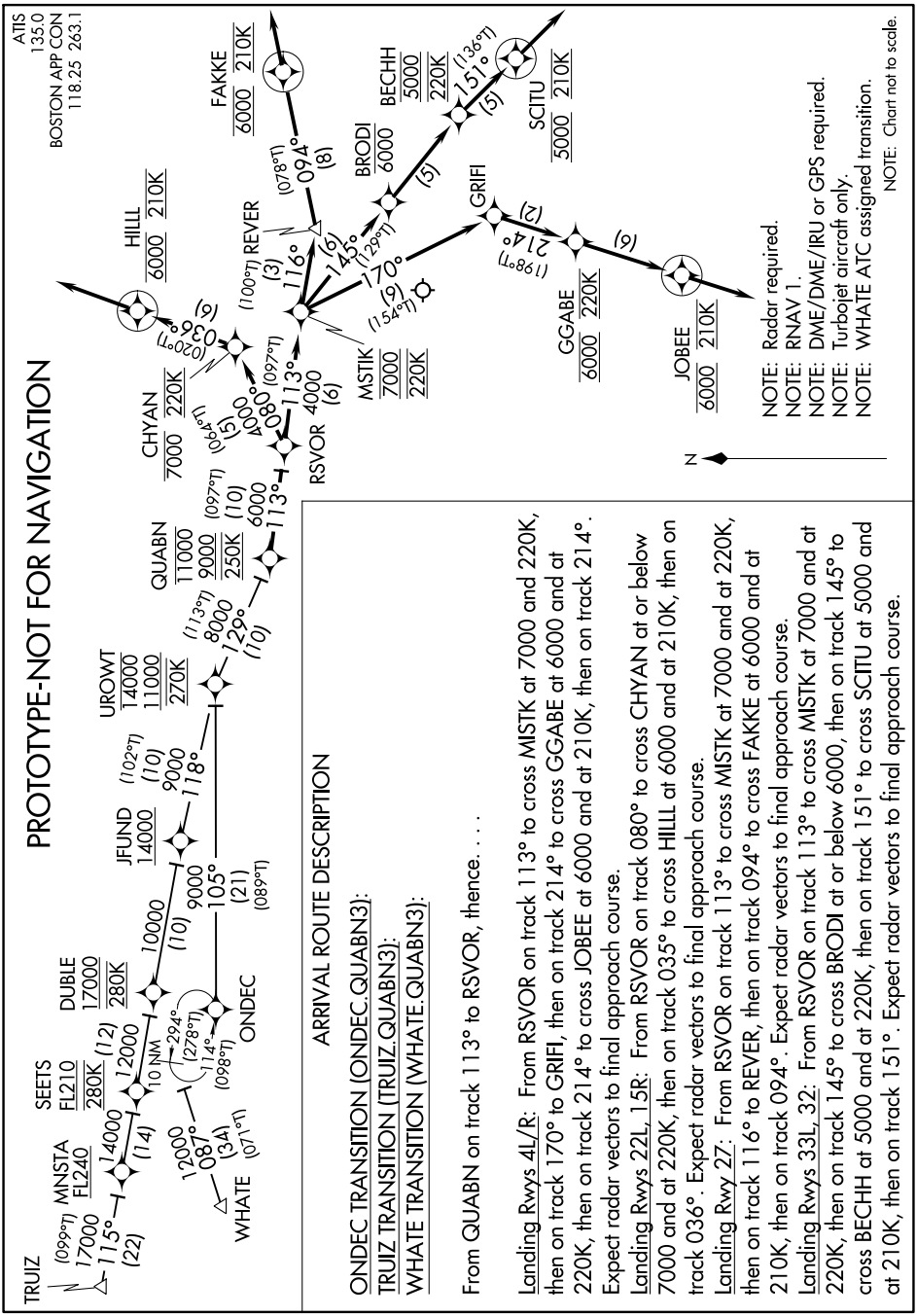
ZELKA ONE ARRIVAL (RNAV)

BEFORD, MASSACHUSETTS



QUABN THREE ARRIVAL (RNAV)

BOSTON, MASSACHUSETTS



ARRIVAL ROUTE DESCRIPTION

ONDEC TRANSITION (ONDEC.QUABN3):
TRUIZ TRANSITION (TRUIZ.QUABN3):
WHATE TRANSITION (WHATE.QUABN3):

From QUABN on track 113° to RSVOR, thence. . . .

Landing Rwys 4L/R: From RSVOR on track 113° to cross MISTK at 7000 and 220K, then on track 170° to GRIFI, then on track 214° to cross GGABE at 6000 and at 220K, then on track 214° to cross JOBEE at 6000 and at 210K, then on track 214°. Expect radar vectors to final approach course.

Landing Rwys 22L, 15R: From RSVOR on track 080° to cross CHYAN at or below 7000 and at 220K, then on track 035° to cross HILLL at 6000 and at 210K, then on track 036°. Expect radar vectors to final approach course.

Landing Rwy 27: From RSVOR on track 113° to cross MISTK at 7000 and at 220K, then on track 116° to REVER, then on track 094° to cross FAKKE at 6000 and at 210K, then on track 094°. Expect radar vectors to final approach course.

Landing Rwys 33L, 32: From RSVOR on track 113° to cross MISTK at 7000 and at 220K, then on track 145° to cross BRODI at or below 6000, then on track 145° to cross BECHH at 5000 and at 220K, then on track 151° to cross SCITU at 5000 and at 210K, then on track 151°. Expect radar vectors to final approach course.

Questions:

For assistance in transitioning to this new route structure before November 13th, please contact:

NAV CAN Routes

National Operations Centre

nocmanagers@navcanada.ca
1-613-563-5626

For Questions that arise after the transition on November 13th, please use normal communication channels for route inquiries