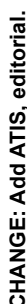


**ATYRAU (UATG)
RNP RWY32**



GS	KT	80	100	120	140	160	180
Rate of descent	FT/MIN	420	530	640	740	850	950
FAF/FAP - THR 6.3 NM	MIN: S	4:44	3:47	3:09	2:42	2:22	2:06

TABULAR DESCRIPTION

RNP RWY 32										
Serial Number	Path Descriptor	Waypoint Identifier	Fly-over	Course °M (°T)	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA / TCH (°) / FT	Navigation Specification
IAF TG430										
001	IF	TG430	-	-	-	-	+3000	-	-	RNP APCH
002	TF	TG420	-	321 (329.9)	5.0	-	+2000	-	-	RNP APCH
003	TF	TG410	-	321 (329.9)	5.0	-	@2000	-	-	RNP APCH
004	TF	RW32	Y	321 (329.9)	6.3	-	-	-	-3.0 / 50	RNP APCH
005	CA	-	-	321 (329.9)	-	-	@2000	-	-	RNP APCH
006	DF	TG440	-	-	-	L	+4000	-	-	RNP APCH
IAF TG440										
001	IF	TG440	-	-	-	-	+3000	-	-	RNP APCH
002	TF	TG420	-	051 (059.9)	5.0	-	+2000	-	-	RNP APCH
003	TF	TG410	-	321 (329.9)	5.0	L	@2000	-	-	RNP APCH
004	TF	RW32	Y	321 (329.9)	6.3	-	-	-	-3.0 / 50	RNP APCH
005	CA	-	-	321 (329.9)	-	-	@2000	-	-	RNP APCH
006	DF	TG440	-	-	-	L	+4000	-	-	RNP APCH
IAF TG450										
001	IF	TG450	-	-	-	-	+3000	-	-	RNP APCH
002	TF	TG420	-	231 (239.9)	5.0	-	+2000	-	-	RNP APCH
003	TF	TG410	-	321 (329.9)	5.0	R	@2000	-	-	RNP APCH
004	TF	RW32	Y	321 (329.9)	6.3	-	-	-	-3.0 / 50	RNP APCH
005	CA	-	-	321 (329.9)	-	-	@2000	-	-	RNP APCH
006	DF	TG440	-	-	-	L	+4000	-	-	RNP APCH

WAYPOINT LIST

Waypoint Identifier	Coordinates	
RW32	470637.41N	0514948.05E
TG410	470110.00N	0515426.00E
TG420	465649.00N	0515807.00E
TG430	465229.00N	0520147.00E
TG440	465418.00N	0515146.00E
TG450	465920.00N	0520427.00E

HOLDINGS

Path Descriptor	Waypoint Identifier	Inbound Course °M (°T)	Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed limit (KT)	Navigation Specification
Hold	TG440	051 (059.9)	1	R	+4000	-	-	RNAV 1