1. TABULAR DESCRIPTION

KADUM 2K DEPARTURE

Serial number	Path Descriptor	Waypoint Identifier	Fly-over	Course °M(°T)	Magnetic Variation	Distance (km)	Turn Direction	Altitude (m)	Speed limit (km/h)	Nav Spec
010	CA	–	–	250 (249.1)	+1	–	–	+900	–	RNAV 1
020	CF	TS638	–	053 (052.0)	+1	–	–	-3350	–	RNAV 1
030	TF	TS686	–	053 (052.2)	+1	28.1	–	+3050	–	RNAV 1
040	TF	KADUM	–	053 (052.2)	+1	37.9	–	–	–	RNAV 1

DOVIN TRANSITION

Serial number	Path Descriptor	Waypoint Identifier	Fly-over	Course °M(°T)	Magnetic Variation	Distance (km)	Turn Direction	Altitude (m)	Speed limit (km/h)	Nav Spec
010	IF	KADUM	–	–	+1	–	–	–	–	RNAV 1
020	TF	DOVIN	–	062 (061.5)	+1	130.0	–	–	–	RNAV 1

BIXEX TRANSITION

Serial number	Path Descriptor	Waypoint Identifier	Fly-over	Course °M(°T)	Magnetic Variation	Distance (km)	Turn Direction	Altitude (m)	Speed limit (km/h)	Nav Spec
010	IF	KADUM	–	–	+1	–	–	–	–	RNAV 1
020	TF	BIXEX	–	078 (076.9)	+1	120.9	–	–	–	RNAV 1

PTH TRANSITION

Serial number	Path Descriptor	Waypoint Identifier	Fly-over	Course °M(°T)	Magnetic Variation	Distance (km)	Turn Direction	Altitude (m)	Speed limit (km/h)	Nav Spec
010	IF	KADUM	–	–	+1	–	–	–	–	RNAV 1
020	TF	PTH	–	114 (113.1)	+1	120.4	–	–	–	RNAV 1

PATMA TRANSITION

Serial number	Path Descriptor	Waypoint Identifier	Fly-over	Course °M(°T)	Magnetic Variation	Distance (km)	Turn Direction	Altitude (m)	Speed limit (km/h)	Nav Spec
010	IF	KADUM	–	–	+1	–	–	–	–	RNAV 1
020	TF	PATMA	–	038 (037.0)	+1	135.7	–	–	–	RNAV 1

SAPEN 2K DEPARTURE

Serial number	Path Descriptor	Waypoint Identifier	Fly-over	Course °M(°T)	Magnetic Variation	Distance (km)	Turn Direction	Altitude (m)	Speed limit (km/h)	Nav Spec
010	CA	–	–	250 (249.1)	+1	–	–	+900	–	RNAV 1
020	DF	SAPEN	–	–	+1	–	–	-4250	–	RNAV 1

2. WAYPOINT LIST

WAYPOINT ID	COORDINATES (WGS-84)			WAYPOINT ID	COORDINATES (WGS-84)	
BIXEX	11°36'13.277"N	108°08'19.311"E		PTH	10°55'41.000"N	108°04'19.000"E
DOVIN	11°55'01.000"N	108°06'29.000"E		SAPEN	11°01'12.000"N	106°11'00.000"E
KADUM	11°21'26.000"N	107°03'34.000"E		TS638	10°59'30.540"N	106°34'56.544"E
PATMA	12°20'11.000"N	107°48'36.000"E		TS686	11°08'50.561"N	106°47'06.738"E