

**1. TABULAR DESCRIPTION**

**DAN 1E DEPARTURE**

Serial number	Path Descriptor	Waypoint Identifier	Fly-over	Course °M(°T)	Magnetic Variation	Distance (km)	Turn Direction	Altitude (m)	Speed limit (km/h)	Min CG (%)	Nav Spec
010	CA	-	-	316(314.5)	+1	-	-	+150	-	4.9	RNP 1
020	CF	CA611	-	316(314.5)	+1	-	-	-	-	4.9	RNP 1
030	TF	MUMLU	-	006(005.2)	+1	21.72	-	-	-	4.9	RNP 1
040	TF	CA612	-	312(311.1)	+1	19.84	-	@2450	-	4.9	RNP 1
050	TF	DAN	-	312(311.1)	+1	44.38	-	+2750	-	-	RNP 1

**BANSU 1E DEPARTURE**

Serial number	Path Descriptor	Waypoint Identifier	Fly-over	Course °M(°T)	Magnetic Variation	Distance (km)	Turn Direction	Altitude (m)	Speed limit (km/h)	Min CG (%)	Nav Spec
010	CA	-	-	316(314.5)	+1	-	-	+150	-	6.7	RNP 1
020	CF	CA613	-	316(314.5)	+1	-	-	-1500	-	6.7	RNP 1
030	TF	CA614	-	226(224.5)	+1	13.04	-	-2450 +1800	-465	6.7	RNP 1
040	TF	CA615	-	165(164.2)	+1	23.72	-	+2750	-	4.1	RNP 1
050	TF	TASON	-	165(164.2)	+1	7.42	-	+FL100	-	4.1	RNP 1
060	TF	MEXAX	-	206(205.2)	+1	19.47	-	+FL120	-	-	RNP 1
070	TF	BANSU	-	206(205.2)	+1	87.68	-	-	-	-	RNP 1

**KUMUN 1P DEPARTURE**

Serial number	Path Descriptor	Waypoint Identifier	Fly-over	Course °M(°T)	Magnetic Variation	Distance (km)	Turn Direction	Altitude (m)	Speed limit (km/h)	Min CG (%)	Nav Spec
010	CA	-	-	316(314.5)	+1	-	-	+150	-	6.7	RNP 1
020	CF	CA613	-	316(314.5)	+1	-	-	-1500	-	6.7	RNP 1
030	TF	CA614	-	226(224.5)	+1	13.04	-	-2450 +1800	-465	6.7	RNP 1
040	TF	CA615	-	165(164.2)	+1	23.72	-	+2750	-	4.1	RNP 1
050	TF	TASON	-	165(164.2)	+1	7.42	-	+FL100	-	4.1	RNP 1
060	TF	KUMUN	-	132(131.2)	+1	32.09	-	-	-	-	RNP 1

**2. WAYPOINT LIST**

WAYPOINT ID	COORDINATES (WGS-84)	
BANSU	14°17'10"N	108°09'35"E
CA611	15°28'34"N	108°37'56"E
CA612	15°47'22"N	108°30'39"E
CA613	15°31'02"N	108°35'21"E
CA614	15°25'60"N	108°30'15"E
CA615	15°13'37"N	108°33'51"E
DAN	16°03'10"N	108°11'54"E
KUMUN	14°58'17"N	108°48'27"E
MEXAX	15°00'12"N	108°30'21"E
MUMLU	15°40'18"N	108°39'02"E
TASON	15°09'45"N	108°34'59"E