NORTI 1A 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	CF	PQ101	–	096(095.7)	+0.4	–	–	–	–	–	RNP 1
020	TF	NORTI	–	096(095.6)	+0.4	23.7	–	+1500	–	–	RNP 1

TUNPO 2B TRANSITION

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	IF	NORTI	–	–	+0.4	–	–	+1500	–	–	RNP 1
020	TF	TUNPO	–	108(107.3)	+0.4	26.8	R	-FL110	–	–	RNP 1

NUMDI 1D 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	CF	PQ101	–	096(095.7)	+0.4	–	–	–	-430	–	RNP 1
020	TF	PQ103	–	017(017.0)	+0.4	13.2	L	–	-460	–	RNP 1
030	TF	PQ107	–	294(294.0)	+0.4	11.9	L	+2450	–	–	RNP 1
040	TF	PQ109	–	294(294.0)	+0.4	18.7	–	+2750	–	–	RNP 1
050	TF	NUMDI	–	294(293.9)	+0.4	17.3	–	–	–	–	RNP 1

OSOTA 1D 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	CF	PQ101	–	096(095.7)	+0.4	–	–	–	–	–	RNP 1
020	TF	PQ103	–	017(017.0)	+0.4	13.2	L	–	–	–	RNP 1
030	TF	PQ105	–	017(017.0)	+0.4	13.9	–	+2450	–	–	RNP 1
040	TF	OSOTA	–	017(017.0)	+0.4	18.8	–	–	–	–	RNP 1

2. WAYPOINT LIST

WAYPOINT ID	COORDINATES (WGS-84)	
ADBOP	08°30'00.0"N	104°05'00.0"E
HOTUN	09°48'44.0"N	104°02'56.0"E
MINTU	09°55'56.7"N	104°16'06.7"E
NORTI	10°08'03.0"N	104°21'23.0"E
NUMDI	10°26'43.0"N	103°46'35.0"E
OSOTA	10°33'07.0"N	104°15'49.0"E
PQ101	10°09'18.5"N	104°08'28.1"E
PQ102	10°03'10.3"N	104°11'58.8"E
PQ103	10°16'09.7"N	104°10'34.9"E
PQ104	09°54'32.0"N	104°21'54.0"E
PQ105	10°23'21.6"N	104°12'48.2"E
PQ107	10°18'47.2"N	104°04'37.4"E
PQ109	10°22'54.6"N	103°55'15.0"E