

## PALERMO PUNTA RAISI

## STAR RNAV 1 RWY 20

## GIANO 3M

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	GIANO	-	-	-	-	-	-FL200 +FL80	-	RNAV1
TF	LUTES	-	123°(126.2°)	-	33.2	-	+FL80	-230	RNAV1
TF	CJ457	-	111°(113.8°)	-	6.0	-	-FL80 +5000	-230	RNAV1
TF	CJ456	-	021°(023.8°)	-	5.0	L	+5000	-	RNAV1
TF	DOGAK	-	021°(023.8°)	-	5.0	-	+5000	-210	RNAV1
TF	GEVSO	-	111°(113.8°)	-	6.0	R	+5000	-210	RNAV1
TF	CJ459	-	201°(203.9°)	-	5.0	R	+5000	-210	RNAV1
TF	KOLOR	-	201°(203.9°)	-	5.0	-	+5000	-210	RNAV1

## KAPIL 2V (ATC Discretion) (1)

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	KAPIL	-	-	-	-	-	-FL230 +FL100	-	RNAV1
TF	CJ406	-	071°(073.8°)	-	31.6	-	+FL100	-	RNAV1
TF	LUTES	-	076°(079.0°)	-	11.8	-	+5000	-230	RNAV1
TF	CJ457	-	111°(113.8°)	-	6.0	-	-FL80 +5000	-230	RNAV1
TF	CJ456	-	021°(023.8°)	-	5.0	L	+5000	-	RNAV1
TF	DOGAK	-	021°(023.8°)	-	5.0	-	+5000	-210	RNAV1
TF	GEVSO	-	111°(113.8°)	-	6.0	R	+5000	-210	RNAV1
TF	CJ459	-	201°(203.9°)	-	5.0	R	+5000	-210	RNAV1
TF	KOLOR	-	201°(203.9°)	-	5.0	-	+5000	-210	RNAV1

**LURON 3M**

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	LURON	-	-	-	-	-	-FL190 +FL80	-	RNAV1
TF	CJ451	-	180°(183.2°)	-	10.0	-	+FL80	-	RNAV1
TF	CJ452	-	201°(203.9°)	-	5.0	-	+5000	-	RNAV1
TF	LUTES	-	201°(203.9°)	-	5.0	-	+5000	-230	RNAV1
TF	CJ457	-	111°(113.8°)	-	6.0	L	-FL80 +5000	-230	RNAV1
TF	CJ456	-	021°(023.8°)	-	5.0	L	+5000	-	RNAV1
TF	DOGAK	-	021°(023.8°)	-	5.0	-	+5000	-210	RNAV1
TF	GEVSO	-	111°(113.8°)	-	6.0	R	+5000	-210	RNAV1
TF	CJ459	-	201°(203.9°)	-	5.0	R	+5000	-210	RNAV1
TF	KOLOR	-	201°(203.9°)	-	5.0	-	+5000	-210	RNAV1

**PAL 3M**

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	PAL	-	-	-	-	-	-FL190 +FL80	-	RNAV1
TF	CJ468	-	018°(021.1°)	-	10.8	-	+FL80	-	RNAV1
TF	CJ466	-	018°(021.3°)	-	8.9	-	+5000	-230	RNAV1
TF	CJ464	-	018°(021.3°)	-	5.0	-	-FL80 +5000	-	RNAV1
TF	CJ463	-	021°(023.9°)	-	5.0	-	+5000	-	RNAV1
TF	CJ462	-	021°(023.9°)	-	5.0	-	-FL 80 +5000	-210	RNAV1
TF	GEVSO	-	291°294.1°)	-	6.0	L	+5000	-210	RNAV1
TF	CJ459	-	201°(203.9°)	-	5.0	L	+5000	-210	RNAV1
TF	KOLOR	-	201°(203.9°)	-	5.0	-	+5000	-210	RNAV1

**ROSAS 3M**

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	ROSAS	-	-	-	-	-	-FL190 +FL80	-	RNAV1
TF	CJ461	-	186°(189.3°)	-	12.4	-	+FL80	-230	RNAV1
TF	CJ462	-	201°(203.9°)	-	5.0	-	-FL 80 +5000	-210	RNAV1
TF	GEVSO	-	291°294.1°)	-	6.0	R	+5000	-210	RNAV1
TF	CJ459	-	201°(203.9°)	-	5.0	L	+5000	-210	RNAV1
TF	KOLOR	-	201°(203.9°)	-	5.0	-	+5000	-210	RNAV1

**SALAP 2V (ATC Discretion)**

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	SALAP	-	-	-	-	-	-	-	RNAV1
TF	CJ457	-	053°(056.5°)	-	13.4	-	-FL80 +5000	-230	RNAV1
TF	CJ456	-	021°(023.8°)	-	5.0	-	+5000	-	RNAV1
TF	DOGAK	-	021°(023.8°)	-	5.0	-	+5000	-210	RNAV1
TF	GEVSO	-	111°(113.8°)	-	6.0	R	+5000	-210	RNAV1
TF	CJ459	-	201°(203.9°)	-	5.0	R	+5000	-210	RNAV1
TF	KOLOR	-	201°(203.9°)	-	5.0	-	+5000	-210	RNAV1

**TRP 3M (ATC Discretion) (1)**

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	TRP	-	-	-	-	-	-	-	RNAV1
TF	CJ367	-	055°(058.2°)	-	21.5	-	+FL100	-	RNAV1
TF	PRS	-	055°(058.4°)	-	10.0	-	+5000	-	RNAV1
TF	CJ466	-	046°(049.3°)	-	15.5	-	+5000	-230	RNAV1
TF	CJ464	-	018°(021.3°)	-	5.0	-	-FL80 +5000	-	RNAV1
TF	CJ463	-	021°(023.9°)	-	5.0	-	+5000	-	RNAV1
TF	CJ462	-	021°(023.9°)	-	5.0	-	-FL 80 +5000	-210	RNAV1
TF	GEVSO	-	291°294.1°)	-	6.0	L	+5000	-210	RNAV1
TF	CJ459	-	201°(203.9°)	-	5.0	L	+5000	-210	RNAV1
TF	KOLOR	-	201°(203.9°)	-	5.0	-	+5000	-210	RNAV1

**TRP 1V (ATC Discretion) (1)**

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	TRP	-	-	-	-	-	-	-	RNAV1
TF	CJ367	-	055°(058.2°)	-	21.5	-	+FL100	-	RNAV1
TF	CJ457	-	021°(023.8°)	-	27.2	-	-FL80 +5000	-230	RNAV1
TF	CJ456	-	021°(023.8°)	-	5.0	-	+5000	-	RNAV1
TF	DOGAK	-	021°(023.8°)	-	5.0	-	+5000	-210	RNAV1
TF	GEVSO	-	111°(113.8°)	-	6.0	R	+5000	-210	RNAV1
TF	CJ459	-	201°(203.9°)	-	5.0	R	+5000	-210	RNAV1
TF	KOLOR	-	201°(203.9°)	-	5.0	-	+5000	-210	RNAV1

**REMARK**

(1) Levels up to FL 160 are usable subject to TRAPANI APP clearance. Due to traffic to/from TRAPANI Birgi Aerodrome, the lowest usable level is FL 100. FL 80 and FL 90 may be flown under specific ATC clearance only.

**HOLDING RNAV 1**

Path Terminator	Waypoint Identifier	Inbound Course °M (°T)	Leg Distance (NM) (2)	Timing(min.)/Waypoint Distance (NM) (3)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Specification
HM	LUTES	123°(126.2°)	4.2	5.8	R	5000		-230	3°	RNAV1
HM	KOLOR	201°(204.0°)	4.2	5.8	L	5000	-	-	3°	RNAV1

(2) RNAV system with holding functionality

(3) RNAV system without holding functionality

**WAYPOINT LIST**

Waypoint Identifier	Coordinates
CJ367	38°05'05.60" N 012°53'59.55" E
CJ406	38°30'07.15" N 012°46'15.08" E
CJ451	38°41'31.48" N 013°06'13.88" E
CJ452	38°36'56.87" N 013°03'38.83" E
CJ456	38°34'31.27" N 013°10'37.40" E
CJ457	38°29'56.32" N 013°08'03.55" E
CJ459	38°32'04.80" N 013°17'36.77" E
CJ461	38°38'46.19" N 013°29'48.30" E
CJ462	38°34'12.07" N 013°27'11.82" E
CJ463	38°29'40.42" N 013°24'37.11" E
CJ464	38°25'03.67" N 013°21'59.84" E
CJ466	38°20'23.87" N 013°19'41.15" E
CJ468	38°12'04.50" N 013°15'34.37" E