

**Bologna / Borgo Panigale
STAR RNAV1 or RNP 1 RWY 30**

TABULAR DESCRIPTION

BAMEK 3W

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	BAMEK	-	-	-	-	-	-	-	RNAV1/RNP1 (1)
TF	KREVA	-	193° (196.5°)	-	8.2	-	+5000	-	RNAV1/RNP1 (1)
TF	PE730	-	193° (196.5°)	-	5.9	-	+4000	-	RNAV1/RNP1 (1)
TF	PE735	-	113° (116.8°)	-	4.8	-	+3000	-	RNAV1/RNP1 (1)
TF	PE928	-	114° (117.1°)	-	8.0	-	+3000	-230	RNAV1/RNP1 (1)
TF	PE920	-	113° (116.7°)	-	8.8	-	+3000	-230	RNAV1/RNP1 (1)
TF	IBNEL	-	204° (207.0°)	-	6.0	R	+3000	-210	RNAV1/RNP1 (1)
TF	ABLEX	-	294° (296.9°)	-	4.1	R	+3000	-210	RNAV1/RNP1 (1)

BENUS 3W

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	BENUS	-	-	-	-	-	-	-	RNAV1/RNP1 (1)
TF	KREVA	-	167° (170.5°)	-	8.1	-	+5000	-	RNAV1/RNP1 (1)
TF	PE730	-	193° (196.5°)	-	5.9	-	+4000	-	RNAV1/RNP1 (1)
TF	PE735	-	113° (116.8°)	-	4.8	-	+3000	-	RNAV1/RNP1 (1)
TF	PE928	-	114° (117.1°)	-	8.0	-	+3000	-230	RNAV1/RNP1 (1)
TF	PE920	-	113° (116.7°)	-	8.8	-	+3000	-230	RNAV1/RNP1 (1)
TF	IBNEL	-	204° (207.0°)	-	6.0	R	+3000	-210	RNAV1/RNP1 (1)
TF	ABLEX	-	294° (296.9°)	-	4.1	R	+3000	-210	RNAV1/RNP1 (1)

LOMED 3W

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	LOMED	-	-	-	-	-	-	-	RNAV1/RNP1 (1)
TF	PE556	-	019° (022.0°)	-	9.7	-	+FL90	-	RNAV1/RNP1 (1)
TF	PE544	-	019° (022.1°)	-	10.9	-	+FL90	-	RNAV1/RNP1 (1)
TF	ELVEB	-	019° (022.1°)	-	6.2	-	+6000	-230	RNAV1/RNP1 (1)
TF	PE543	-	113° (116.5°)	-	5.2	R	+5000	-230	RNAV1/RNP1 (1)
TF	PE820	-	113° (116.6°)	-	8.4	-	+5000	-230	RNAV1/RNP1 (1)
TF	IBNEL	-	024° (027.0°)	-	6.0	L	+3000	-210	RNAV1/RNP1 (1)
TF	ABLEX	-	294° (296.9°)	-	4.1	L	+3000	-210	RNAV1/RNP1 (1)

LUMAV 3W

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	LUMAV	-	-	-	-	-	-	-	RNAV1/RNP1 (1)
TF	PE941	-	242° (244.8°)	-	13.2	-	+4000	-	RNAV1/RNP1 (1)
TF	PE735	-	197° (200.5°)	-	4.9	-	+4000	-	RNAV1/RNP1 (1)
TF	PE928	-	114° (117.1°)	-	8.0	-	+3000	-230	RNAV1/RNP1 (1)
TF	PE920	-	113° (116.7°)	-	8.8	-	+3000	-230	RNAV1/RNP1 (1)
TF	IBNEL	-	204° (207.0°)	-	6.0	R	+3000	-210	RNAV1/RNP1 (1)
TF	ABLEX	-	294° (296.9°)	-	4.1	R	+3000	-210	RNAV1/RNP1 (1)

NIGSO 3W

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	NIGSO	-	-	-	-	-	-	-	RNAV1/RNP1 (1)
TF	PE532	-	068° (071.7°)	-	18.0	-	+6000	-	RNAV1/RNP1 (1)
TF	ELVEB	-	114° (117.2°)	-	6.2	-	+6000	-230	RNAV1/RNP1 (1)
TF	PE543	-	113° (116.5°)	-	5.2	-	+5000	-230	RNAV1/RNP1 (1)
TF	PE820	-	113° (116.6°)	-	8.4	-	+5000	-230	RNAV1/RNP1 (1)
TF	IBNEL	-	024° (027.0°)	-	6.0	L	+3000	-210	RNAV1/RNP1 (1)
TF	ABLEX	-	294° (296.9°)	-	4.1	L	+3000	-210	RNAV1/RNP1 (1)

PELEG 6W

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	PELEG	-	-	-	-	-	-	-	RNAV1/RNP1 (1)
TF	PE557	-	311° (314.2°)	-	7.2	-	+FL90	-	RNAV1/RNP1 (1)
TF	PE852	-	241° (244.2°)	-	8.0	-	+FL90	-	RNAV1/RNP1 (1)
TF	PE845	-	293° (295.7°)	-	7.2	-	+FL90	-	RNAV1/RNP1 (1)
TF	PE544	-	292° (295.6°)	-	5.6	-	+FL90	-	RNAV1/RNP1 (1)
TF	ELVEB	-	019° (022.1°)	-	6.2	R	+6000	-230	RNAV1/RNP1 (1)
TF	PE543	-	113° (116.5°)	-	5.2	R	+5000	-230	RNAV1/RNP1 (1)
TF	PE820	-	113° (116.6°)	-	8.4	-	+5000	-230	RNAV1/RNP1 (1)
TF	IBNEL	-	024° (027.0°)	-	6.0	L	+3000	-210	RNAV1/RNP1 (1)
TF	ABLEX	-	294° (296.9°)	-	4.1	L	+3000	-210	RNAV1/RNP1 (1)

RIPDU 3W

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	RIPDU	-	-	-	-	-	-	-	RNAV1/RNP1 (1)
TF	ABTIM	-	086 ° (088.7°)	-	6.0	-	+FL90	-	RNAV1/RNP1 (1)
TF	PE527	-	097 ° (100.5°)	-	7.6	-	+6000	-	RNAV1/RNP1 (1)
TF	PE521	-	113 ° (116.5°)	-	5.0	-	+6000	-	RNAV1/RNP1 (1)
TF	PE532	-	113 ° 116.6°	-	10.3	-	+6000	-	RNAV1/RNP1 (1)
TF	ELVEB	-	114° (117.2°)	-	6.2	-	+6000	-230	RNAV1/RNP1 (1)
TF	PE543	-	113° (116.5°)	-	5.2	-	+5000	-230	RNAV1/RNP1 (1)
TF	PE820	-	113° (116.6°)	-	8.4	-	+5000	-230	RNAV1/RNP1 (1)
TF	IBNEL	-	024° (027.0°)	-	6.0	L	+3000	-210	RNAV1/RNP1 (1)
TF	ABLEX	-	294° (296.9°)	-	4.1	L	+3000	-210	RNAV1/RNP1 (1)

(1) For “monitoring and alerting” reasons, RNP1 specification is required in case of radar service unavailability or degradation.

HOLDING RNAV1

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	ABLEX	294 (296.8)	3.7	4.9	R	+3000	-	210	+3	RNAV
HM	ELVEB	019° (022.1°)	3.9	5.2	L	+6000	-	230	+3	RNAV

(2) RNAV system with holding functionality

(3) RNAV system without holding functionality

WAYPOINT LIST

Waypoint Identifier	Coordinates
PE521	44°33'54.0"N 010°53'36.2"E
PE527	44°36'07.6"N 010°47'20.3"E
PE532	44°29'17.6"N 011°06'29.8"E
PE543	44°24'09.8"N 011°20'39.7"E
PE544	44°20'43.7"N 011°10'55.9"E
PE556	44°10'37.5"N 011°05'14.4"E
PE557	44°18'40.9"N 011°36'57.0"E
PE730	44°40'50.0"N 011°11'45.4"E
PE735	44°38'39.5"N 011°17'48.5"E
PE920	44°31'05.8"N 011°38'44.8"E
PE928	44°35'01.7"N 011°27'47.3"E
PE941	44°43'16.0"N 011°20'13.8"E
PE820	44°20'24.0"N 011°31'09.4"E
PE845	44°18'19.0"N 011°17'55.3"E
PE852	44°15'12.3"N 011°26'54.1"E