

**RNAV 1 (GNSS)  
STANDARD ARRIVAL CHART  
INSTRUMENT (STAR) - ICAO**

**Katowice - Pyrzowice  
RWY 09**

**MAPIK 2V**

SEQUENCE NUMBER	PATH TERMINATOR	WAYPOINT IDENTIFIER	COURSE/TRACK °M (°T)	DISTANCE (NM)	ALTITUDE	SPEED (kt)	NAV SPEC
001	IF	MAPIK	-	-	-	-	RNAV 1
002	TF	KT762	053 (058.2)	14.27	+FL100	-	RNAV 1
003	TF	INPUM	085 (089.8)	10.99	-FL90	-230	RNAV 1
004	TF	KT757	175 (180.0)	5.30	-	-220	RNAV 1
005	TF	KT756	265 (270.0)	5.00	-	-220	RNAV 1
006	TF	KT738	175 (179.9)	5.20	+4000 ft	-220	RNAV 1
007	TF	KT737	085 (089.9)	5.20	+3000 ft	-220	RNAV 1
008	TF	KT736	085 (090.0)	1.5	+3000 ft	-220	RNAV 1

**BAREX 2V**

SEQUENCE NUMBER	PATH TERMINATOR	WAYPOINT IDENTIFIER	COURSE/TRACK °M (°T)	DISTANCE (NM)	ALTITUDE	SPEED (kt)	NAV SPEC
001	IF	BAREX	-	-	-	-	RNAV 1
002	TF	XONRA	159 (163.9)	9.30	+FL100	-	RNAV 1
003	TF	INPUM	157 (162.5)	5.96	-FL90	-	RNAV 1
004	TF	KT757	175 (180.0)	5.30	-	-220	RNAV 1
005	TF	KT756	265 (270.0)	5.00	-	-220	RNAV 1
006	TF	KT738	175 (179.9)	5.20	+4000 ft	-220	RNAV 1
007	TF	KT737	085 (089.9)	5.20	+3000 ft	-220	RNAV 1
008	TF	KT736	085 (090.0)	1.50	+3000 ft	-220	RNAV 1

**KUKAM 2V**

SEQUENCE NUMBER	PATH TERMINATOR	WAYPOINT IDENTIFIER	COURSE/TRACK °M (°T)	DISTANCE (NM)	ALTITUDE	SPEED (kt)	NAV SPEC
001	IF	KUKAM	-	-	-	-	RNAV 1
002	TF	UPMAK	237 (241.7)	14.61	-	-	RNAV 1
003	TF	KT759	236 (241.4)	16.11	+FL100	-250	RNAV 1
004	TF	KT758	265 (270.4)	4.56	+FL90	-250	RNAV 1
005	TF	KT757	265 (270.3)	14.6	-	-250	RNAV 1
006	TF	KT756	265 (270.0)	5.00	-	-220	RNAV 1
007	TF	KT738	175 (179.9)	5.20	+4000 ft	-220	RNAV 1
008	TF	KT737	085 (089.9)	5.20	+3000 ft	-220	RNAV 1
009	TF	KT736	085 (090.0)	1.50	+3000 ft	-220	RNAV 1

**GOVRI 2V**

SEQUENCE NUMBER	PATH TERMINATOR	WAYPOINT IDENTIFIER	COURSE/TRACK °M (°T)	DISTANCE (NM)	ALTITUDE	SPEED (kt)	NAV SPEC
001	IF	GOVRI	-	-	-	-	RNAV 1
002	TF	XENGO	289 (294.0)	23.93	-	-	RNAV 1
003	TF	KT749	252 (257.5)	31.83	-	-250	RNAV 1
004	TF	KT748	343 (347.7)	14.35	+FL120	-250	RNAV 1
005	TF	KT747	266 (270.6)	27.88	-	-250	RNAV 1
006	TF	KT746	265 (270.0)	5.00	-	-250	RNAV 1
007	TF	KT744	265 (269.9)	5.00	-	-220	RNAV 1
008	TF	KT739	355 (359.7)	5.41	+6000 ft	-220	RNAV 1
009	TF	KT738	085 (089.8)	5.00	+4000 ft	-220	RNAV 1
010	TF	KT737	085 (089.9)	5.20	+3000 ft	-220	RNAV 1
011	TF	KT736	085 (090.0)	1.50	+3000 ft	-220	RNAV 1

**LENOV 2V**

SEQUENCE NUMBER	PATH TERMINATOR	WAYPOINT IDENTIFIER	COURSE/TRACK °M (°T)	DISTANCE (NM)	ALTITUDE	SPEED (kt)	NAV SPEC
001	IF	LENOV	-	-	-	-	RNAV 1
002	TF	MODGU	312 (316.9)	33.84	-	-	RNAV 1
003	TF	ERPOK	311 (316.4)	16.92	-	-	RNAV 1
004	TF	KT752	287 (292.3)	17.82	-	-250	RNAV 1
005	TF	KT749	343 (347.7)	5.44	-	-250	RNAV 1
006	TF	KT748	343 (347.7)	14.35	+FL120	-250	RNAV 1
007	TF	KT747	266 (270.6)	27.88	-	-250	RNAV 1
008	TF	KT746	265 (270.0)	5.00	-	-250	RNAV 1
009	TF	KT744	265 (269.9)	5.00	-	-220	RNAV 1
010	TF	KT739	355 (359.7)	5.41	+6000 ft	-220	RNAV 1
011	TF	KT738	085 (089.8)	5.00	+4000 ft	-220	RNAV 1
012	TF	KT737	085 (089.9)	5.20	+3000 ft	-220	RNAV 1
013	TF	KT736	085 (090.0)	1.50	+3000 ft	-220	RNAV 1

**MEBAN 2V**

SEQUENCE NUMBER	PATH TERMINATOR	WAYPOINT IDENTIFIER	COURSE/TRACK °M (°T)	DISTANCE (NM)	ALTITUDE	SPEED (kt)	NAV SPEC
001	IF	MEBAN	-	-	-	-	RNAV 1
002	TF	EMKUX	003 (008.1)	12.09	-	-	RNAV 1
003	TF	UVRET	003 (008.2)	14.39	-	-	RNAV 1
004	TF	KT752	343 (348.4)	10.46	-	-	RNAV 1
005	TF	KT749	343 (347.7)	5.44	-	-	RNAV 1
006	TF	KT748	343 (347.7)	14.35	+FL120	-250	RNAV 1
007	TF	KT747	266 (270.6)	27.88	-	-250	RNAV 1
008	TF	KT746	265 (270.0)	5.00	-	-250	RNAV 1
009	TF	KT744	265 (269.9)	5.00	-	-220	RNAV 1
010	TF	KT739	355 (359.7)	5.41	+6000 ft	-220	RNAV 1
011	TF	KT738	085 (089.8)	5.00	+4000 ft	-220	RNAV 1
012	TF	KT737	085 (089.9)	5.20	+3000 ft	-220	RNAV 1
013	TF	KT736	085 (090.0)	1.50	+3000 ft	-220	RNAV 1

**BAVOK 2V**

SEQUENCE NUMBER	PATH TERMINATOR	WAYPOINT IDENTIFIER	COURSE/TRACK °M (°T)	DISTANCE (NM)	ALTITUDE	SPEED (kt)	NAV SPEC
001	IF	BAVOK	-	-	-	-	RNAV 1
002	TF	KT754	051 (055.6)	18.66	+FL100	-	RNAV 1
003	TF	INSAB	051 (055.9)	12.03	-	-250	RNAV 1
004	TF	KT747	355 (359.9)	5.80	-	-220	RNAV 1
005	TF	KT746	265 (270.0)	5.00	-	-220	RNAV 1
006	TF	KT744	265 (269.9)	5.00	-	-220	RNAV 1
007	TF	KT739	355 (359.7)	5.41	+6000 ft	-220	RNAV 1
008	TF	KT738	085 (089.8)	5.00	+4000 ft	-220	RNAV 1
009	TF	KT737	085 (089.9)	5.20	+3000 ft	-220	RNAV 1
010	TF	KT736	085 (090.0)	1.50	+3000 ft	-220	RNAV 1

WAYPOINT IDENTIFIER	COORDINATES	
BAREX	50°53'40.0"N	018°44'18.0"E
BAVOK	50°00'10.0"N	018°11'43.0"E
EMKUX	49°39'15.2"N	019°41'26.0"E
ERPOK	49°56'59.8"N	020°06'55.1"E
GOVRI	50°06'25.3"N	021°01'54.0"E
INPUM	50°39'03.7"N	018°51'10.6"E
KT736	50°28'34.6"N	018°53'50.4"E
KT737	50°28'34.6"N	018°51'29.5"E
KT738	50°28'34.5"N	018°43'21.4"E
KT739	50°28'33.8"N	018°35'31.7"E
KT744	50°23'09.8"N	018°35'34.2"E
KT746	50°23'10.5"N	018°43'22.6"E
KT747	50°23'10.6"N	018°51'11.3"E
KT748	50°23'01.7"N	019°34'45.1"E
KT749	50°09'01.6"N	019°39'31.7"E
KT752	50°03'42.7"N	019°41'19.8"E
INSAB	50°17'22.8"N	018°51'12.0"E
KT754	50°10'39.5"N	018°35'39.7"E
KT756	50°33'45.9"N	018°43'20.3"E
KT757	50°33'46.0"N	018°51'10.8"E
KT758	50°33'43.4"N	019°14'04.3"E
KT759	50°33'41.7"N	019°21'13.1"E
KT762	50°39'02.7"N	018°33'54.8"E
KUKAM	50°48'22.0"N	020°03'38.0"E
LENOV	49°20'11.0"N	021°00'37.0"E
MAPIK	50°31'34.0"N	018°14'51.0"E
MEBAN	49°27'18.0"N	019°38'48.0"E
MODGU	49°44'46.5"N	020°24'58.0"E
UPMAK	50°41'25.3"N	019°43'24.5"E
UVRET	49°53'28.9"N	019°44'35.9"E
XENGO	50°16'04.7"N	020°27'50.5"E
XONRA	50°44'44.3"N	018°48'21.4"E