

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

**WARSAW CHOPIN AIPORT  
RWY 15**

**BIMPA 3P**

SEQUENCE NUMBER	PATH TERMINATOR	WAYPOINT IDENTIFIER	COURSE / TRACK °M (°T)	DISTANCE (NM)	ALTITUDE	SPEED (kt)	NAV SPEC
001	IF	BIMPA			-FL170	280	RNAV 1
002	TF	INREN	105 (109.5)	20.5	-FL110	250	RNAV 1
003	TF	WA448	109 (114.0)	4.0			RNAV 1
004	TF	LUGEL	109 (114.1)	3.8		220	RNAV 1
005	TF	AMLAS	109 (114.2)	6.4			RNAV 1
006	TF	RILSU	023 (028.1)	6.4			RNAV 1
007	TF	MARUP	327 (331.6)	3.0		220	RNAV 1
008	TF	LUXIB	327 (331.5)	4.0			RNAV 1
009	TF	NANOM	327 (331.5)	4.0			RNAV 1
010	TF	RONIR	326 (331.4)	4.0		220	RNAV 1
011	TF	WA618	056 (061.4)	5.0			RNAV 1
012	TF	WA617	147 (151.5)	4.0			RNAV 1
013	TF	WA616	147 (151.5)	4.0			RNAV 1
014	TF	WA614	147 (151.6)	4.0			RNAV 1
015	TF	OSNUT	147 (151.6)	2.6			RNAV 1
016	TF	FAF	147 (151.6)	1.5	3000 ft		RNAV 1

**SORIX 3P**

SEQUENCE NUMBER	PATH TERMINATOR	WAYPOINT IDENTIFIER	COURSE / TRACK °M (°T)	DISTANCE (NM)	ALTITUDE	SPEED (kt)	NAV SPEC
001	IF	SORIX			-FL150	280	RNAV 1
002	TF	INREN	141 (146.0)	31.5	-FL110	250	RNAV 1
003	TF	WA448	109 (114.0)	4.0			RNAV 1
004	TF	LUGEL	109 (114.1)	3.8		220	RNAV 1
005	TF	AMLAS	109 (114.2)	6.4			RNAV 1
006	TF	RILSU	023 (028.1)	6.4			RNAV 1
007	TF	MARUP	327 (331.6)	3.0		220	RNAV 1
008	TF	LUXIB	327 (331.5)	4.0			RNAV 1
009	TF	NANOM	327 (331.5)	4.0			RNAV 1
010	TF	RONIR	326 (331.4)	4.0		220	RNAV 1
011	TF	WA618	056 (061.4)	5.0			RNAV 1
012	TF	WA617	147 (151.5)	4.0			RNAV 1
013	TF	WA616	147 (151.5)	4.0			RNAV 1
014	TF	WA614	147 (151.6)	4.0			RNAV 1
015	TF	OSNUT	147 (151.6)	2.6			RNAV 1
016	TF	FAF	147 (151.6)	1.5	3000 ft		RNAV 1

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**NEPOX 3P**

SEQUENCE NUMBER	PATH TERMINATOR	WAYPOINT IDENTIFIER	COURSE / TRACK °M (°T)	DISTANCE (NM)	ALTITUDE	SPEED (kt)	NAV SPEC
001	IF	NEPOX			-FL210	280	RNAV 1
002	TF	INPAL	235 (239.6)	13.0			RNAV 1
003	TF	DETOR	246 (250.7)	3.1		250	RNAV 1
004	TF	EMKEN	246 (250.9)	11.2	-FL130	230	RNAV 1
005	TF	WA468	322 (326.6)	7.0		220	RNAV 1
006	TF	NEDNA	322 (326.5)	7.7			RNAV 1
007	TF	SUBEG	327 (331.9)	14.0		220	RNAV 1
008	TF	ELGEL	327 (331.7)	4.0			RNAV 1
009	TF	GIMKU	327 (331.7)	4.0		220	RNAV 1
010	TF	WA617	237 (241.6)	5.0			RNAV 1
011	TF	WA616	147 (151.5)	4.0			RNAV 1
012	TF	WA614	147 (151.6)	4.0			RNAV 1
013	TF	OSNUT	147 (151.6)	2.6			RNAV 1
014	TF	FAF	147 (151.6)	1.5	3000 ft		RNAV 1

**LIMVI 3P**

SEQUENCE NUMBER	PATH TERMINATOR	WAYPOINT IDENTIFIER	COURSE / TRACK °M (°T)	DISTANCE (NM)	ALTITUDE	SPEED (kt)	NAV SPEC
001	IF	LIMVI			-FL160	280	RNAV 1
002	TF	WA442	311 (316.0)	12.0		250	RNAV 1
003	TF	EMKEN	311 (315.9)	6.9	-FL130	230	RNAV 1
004	TF	WA468	322 (326.6)	7.0		220	RNAV 1
005	TF	NEDNA	322 (326.5)	7.7			RNAV 1
006	TF	SUBEG	327 (331.9)	14.0		220	RNAV 1
007	TF	ELGEL	327 (331.7)	4.0			RNAV 1
008	TF	GIMKU	327 (331.7)	4.0		220	RNAV 1
009	TF	WA617	237 (241.6)	5.0			RNAV 1
010	TF	WA616	147 (151.5)	4.0			RNAV 1
011	TF	WA614	147 (151.6)	4.0			RNAV 1
012	TF	OSNUT	147 (151.6)	2.6			RNAV 1
013	TF	FAF	147 (151.6)	1.5	3000 ft		RNAV 1

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**WARSAW CHOPIN AIRPORT  
RWY 15**

**LOGDA 3P**

SEQUENCE NUMBER	PATH TERMINATOR	WAYPOINT IDENTIFIER	COURSE / TRACK °M (°T)	DISTANCE (NM)	ALTITUDE	SPEED (kt)	NAV SPEC
001	IF	LOGDA			-FL210	280	RNAV 1
002	TF	GIPUL	019 (023.9)	24.5			RNAV 1
003	TF	BEMRA	356 (001.4)	10.4	-FL120	250	RNAV 1
004	TF	WA452	356 (001.4)	9.2		220	RNAV 1
005	TF	NEDNA	019 (024.3)	12.6			RNAV 1
006	TF	SUBEG	327 (331.9)	14.0		220	RNAV 1
007	TF	ELGEL	327 (331.7)	4.0			RNAV 1
008	TF	GIMKU	327 (331.7)	4.0		220	RNAV 1
009	TF	WA617	237 (241.6)	5.0			RNAV 1
010	TF	WA616	147 (151.5)	4.0			RNAV 1
011	TF	WA614	147 (151.6)	4.0			RNAV 1
012	TF	OSNUT	147 (151.6)	2.6			RNAV 1
013	TF	FAF	147 (151.6)	1.5	3000 ft		RNAV 1

**AGAVA 3P**

SEQUENCE NUMBER	PATH TERMINATOR	WAYPOINT IDENTIFIER	COURSE / TRACK °M (°T)	DISTANCE (NM)	ALTITUDE	SPEED (kt)	NAV SPEC
001	IF	AGAVA			-FL190	280	RNAV 1
002	TF	ELKIR	087 (092.3)	11.0	-FL170		RNAV 1
003	TF	AMSOS	087 (092.5)	16.5			RNAV 1
004	TF	ESINI	027 (031.8)	7.8			RNAV 1
005	TF	BEMRA	027 (031.9)	11.3	-FL120	250	RNAV 1
006	TF	WA452	356 (001.4)	9.2		220	RNAV 1
007	TF	NEDNA	019 (024.3)	12.6			RNAV 1
008	TF	SUBEG	327 (331.9)	14.0		220	RNAV 1
009	TF	ELGEL	327 (331.7)	4.0			RNAV 1
010	TF	GIMKU	327 (331.7)	4.0		220	RNAV 1
011	TF	WA617	237 (241.6)	5.0			RNAV 1
012	TF	WA616	147 (151.5)	4.0			RNAV 1
013	TF	WA614	147 (151.6)	4.0			RNAV 1
014	TF	OSNUT	147 (151.6)	2.6			RNAV 1
015	TF	FAF	147 (151.6)	1.5	3000 ft		RNAV 1

WAYPOINT IDENTIFIER	COORDINATES	
	AGAVA	51°34'53.1"N
AMLAS	52°09'46.0"N	020°39'01.3"E
AMSOS	51°33'39.6"N	020°41'44.2"E
BEMRA	51°49'50.7"N	020°57'58.6"E
BIMPA	52°22'27.8"N	019°46'29.0"E
DETOR	52°01'55.0"N	021°36'59.0"E
ELGEL	52°26'22.2"N	020°52'51.3"E
ELKIR	51°34'25.7"N	020°15'14.3"E
EMKEN	51°58'15.1"N	021°19'54.5"E
ESINI	51°40'18.8"N	020°48'23.1"E
GIMKU	52°29'53.2"N	020°49'45.0"E
GIPUL	51°39'26.2"N	020°57'33.8"E
INPAL	52°02'57.0"N	021°41'45.4"E
INREN	52°15'35.2"N	020°17'53.2"E
LIMVI	51°44'42.0"N	021°41'08.0"E
LOGDA	51°17'04.0"N	020°41'38.0"E
LUGEL	52°12'24.5"N	020°29'28.1"E
LUXIB	52°21'37.0"N	020°38'29.8"E
MARUP	52°18'06.2"N	020°41'36.5"E
NANOM	52°25'07.6"N	020°35'22.6"E
NEDNA	52°10'29.9"N	021°06'45.6"E
NEPOX	52°09'33.0"N	021°59'57.1"E
OSNUT	52°18'11.9"N	020°50'47.2"E
RILSU	52°15'26.6"N	020°43'57.6"E
RONIR	52°28'38.0"N	020°32'15.0"E
SORIX	52°41'43.0"N	019°49'12.0"E
SUBEG	52°22'51.3"N	020°55'57.0"E
WA442	51°53'18.6"N	021°27'40.9"E
WA448	52°13'57.2"N	020°23'51.2"E
WA452	51°59'02.2"N	020°58'20.6"E
WA468	52°04'04.6"N	021°13'40.4"E
WA614	52°20'28.9"N	020°48'46.2"E
WA616	52°23'59.8"N	020°45'40.2"E
WA617	52°27'30.6"N	020°42'33.4"E
WA618	52°31'01.3"N	020°39'26.2"E
FAF	52°16'52.7"N	020°51'56.9"E