

## Terminal Air Navigation Services Costs and Charges

Charging zone:

Poland

Airports in the Charging Zone are subject to Traffic Risk Sharing	N
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ICAO Airport code	Airport Name	2015	2016	2017	2018	2019
	<b>Total number of airports</b>	<b>14</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>
EPWA	WARSAW CHOPIN AIRPORT	1	1	1	1	1
EPBY	BYDGOSZCZ/SZWEREDOWO	1	1	1	1	1
EPGD	GDANSK/LECH WALESIA	1	1	1	1	1
EPKK	KRAKOW/BALICE	1	1	1	1	1
EPKT	KATOWICE/PYRZOWICE	1	1	1	1	1
EPLB	LUBLIN	1	1	1	1	1
EPLL	LODZ/LUBLINEK	1	1	1	1	1
EPMO	WARSZAWA/MODLIN	1	1	1	1	1
EPPO	POZNAN/LAWICA	1	1	1	1	1
EPRA	RADOM-SADKOW	1	1	1	1	1
EPRZ	RZESZOW/JASIONKA	1	1	1	1	1
EPSC	SZCZECIN/GOLENIOW	1	1	1	1	1
EPWR	WROCLAW/STRACHOWICE	1	1	1	1	1
EPZG	ZIELONA GORA/BABIMOST	1	1	1	1	1
EPSY	OLSZTYN-MAZURY	0	1	1	1	1

Table 1 - Total Costs and Unit Costs

Poland PLN All Entities										
Determined costs - Performance Plan RP2						Actual costs - RP2				
Cost details	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019
<b>1. Detail by nature (in nominal terms)</b>										
1.1 Staff	79 982	82 815	85 777	89 240	91 882					
1.2 Other operating costs	34 574	37 280	37 524	38 940	38 501					
1.3 Depreciation	9 983	11 005	13 612	14 278	15 516					
1.4 Cost of capital	6 736	7 967	8 072	5 756	6 341					
1.5 Exceptional items	0	0	0	0	0					
1.6 Total costs	131 275	139 067	144 986	148 215	152 239					
Total % n/n-1		5,9%	4,3%	2,2%	2,7%					
Staff % n/n-1		3,5%	3,6%	4,0%	3,0%					
Other op. % n/n-1		7,8%	0,7%	3,8%	-1,1%					
<b>2. Detail by service (in nominal terms)</b>										
2.1 Air Traffic Management	92 811	96 931	99 186	102 986	107 544					
2.2 Communication (1)	3 518	3 510	3 708	3 728	3 697					
2.3 Navigation (1)	9 748	9 960	10 360	10 314	9 692					
2.4 Surveillance (1)	5 399	6 416	9 130	8 576	8 291					
2.5 Search and rescue	0	0	0	0	0					
2.6 Aeronautical Information (1)	675	754	761	769	770					
2.7 Meteorological services (1)	14 952	17 264	17 606	17 559	17 897					
2.8 Supervision costs	4 172	4 232	4 234	4 283	4 347					
2.9 Other State costs	0	0	0	0	0					
2.10 Total costs	131 275	139 067	144 986	148 215	152 239					
Total % n/n-1		5,9%	4,3%	2,2%	2,7%					
ATM % n/n-1		4,4%	2,3%	3,8%	4,4%					
CNS % n/n-1		6,5%	16,7%	-2,5%	-4,1%					
<b>3. Complementary information (in nominal terms)</b>										
<b>Average asset base</b>										
3.1 Net book val. fixed assets	117 327	126 537	136 304	151 353	165 036					
3.2 Adjustments total assets	0	0	0	0	0					
3.3 Net current assets	-3 801	7 664	12 709	14 298	14 850					
3.4 Total asset base	113 527	134 201	149 014	165 651	179 886					
<b>Cost of capital %</b>										
3.5 Cost of capital pre tax rate	5,9%	5,9%	5,4%	3,5%	3,5%					
3.6 Return on equity										
3.7 Average interest on debts										
<b>Cost of common projects</b>										
3.8 Total costs common projects	0	0	0	0	0					
<b>Costs exempted from cost sharing - Article 14(2)(b)</b>										
3.9 Total costs ex. from cost sharing										
<b>4. Total costs after deduction of costs for services to exempted flights (in nominal terms)</b>										
4.1 Costs for exempted VFR flights	974	972	970	968	966					
4.2 Total determined/actual costs	130 300	138 095	144 016	147 247	151 273					
<b>5. Cost-efficiency KPI - Determined /Actual Unit Cost (in real terms)</b>										
5.1 Inflation % (2)	2,38%	2,50%	2,50%	2,50%	2,50%					
5.2 Price index (base 100 in 2009) (3)	115,9	118,7	121,7	124,8	127,9	111,7				
5.3 Total costs real terms (4)	112 471	116 291	118 320	118 023	118 294					
Total % n/n-1		3,4%	1,7%	-0,3%	0,2%					
5.4 Total Service Units	159,8	170,6	182,4	194,1	205,7					
Total % n/n-1		6,7%	7,0%	6,4%	6,0%					
5.5 Unit cost at 2009 prices	703,82	681,76	648,51	608,05	574,96					
Total % n/n-1		-3,1%	-4,9%	-6,2%	-5,4%					

Costs and asset base items in '000 - Service units in '000

(1) To be left empty when such services are provided under the provisions of Article 3

(2) Actual/forecast inflation used for establishing the determined costs in nominal terms – actual/revise forecast inflation

(3) Forecast price indexes - Base 100 in 2009

2013 actual inflation index in the RP2 performance plan:

111,5

2014 forecast inflation rate in the RP2 performance plan:

1,46%

2014 actual inflation rate:

0,10%

(4) Determined costs (performance plan) in real terms – actual/revise forecast costs at 2009 prices

Table 1 - Total Costs and Unit Costs

Poland PLN PANSA										
Determined costs - Performance Plan RP2						Actual costs - RP2				
Cost details	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019
<b>1. Detail by nature (in nominal terms)</b>										
1.1 Staff	76 916	79 703	82 670	86 095	88 684					
1.2 Other operating costs	32 513	35 206	35 444	36 849	36 400					
1.3 Depreciation	9 940	10 962	13 570	14 236	15 473					
1.4 Cost of capital	6 707	7 940	8 047	5 732	6 318					
1.5 Exceptional items	0	0	0	0	0					
1.6 Total costs	126 077	133 811	139 730	142 913	146 875					
Total % n/n-1		6,1%	4,4%	2,3%	2,8%					
Staff % n/n-1		3,6%	3,7%	4,1%	3,0%					
Other op. % n/n-1		8,3%	0,7%	4,0%	-1,2%					
<b>2. Detail by service (in nominal terms)</b>										
2.1 Air Traffic Management	92 118	96 240	98 496	102 297	106 857					
2.2 Communication (1)	3 441	3 433	3 631	3 652	3 621					
2.3 Navigation (1)	9 748	9 960	10 360	10 314	9 692					
2.4 Surveillance (1)	5 399	6 416	9 130	8 576	8 291					
2.5 Search and rescue	0	0	0	0	0					
2.6 Aeronautical Information (1)	675	754	761	769	770					
2.7 Meteorological services (1)	14 697	17 009	17 352	17 305	17 645					
2.8 Supervision costs	0	0	0	0	0					
2.9 Other State costs	0	0	0	0	0					
2.10 Total costs	126 077	133 811	139 730	142 913	146 875					
Total % n/n-1		6,1%	4,4%	2,3%	2,8%					
ATM % n/n-1		4,5%	2,3%	3,9%	4,5%					
CNS % n/n-1		6,6%	16,7%	-2,5%	-4,2%					
<b>3. Complementary information (in nominal terms)</b>										
<b>Average asset base</b>										
3.1 Net book val. fixed assets	116 528	125 780	135 590	150 681	164 406					
3.2 Adjustments total assets	0	0	0	0	0					
3.3 Net current assets	-3 801	7 664	12 709	14 298	14 850					
3.4 Total asset base	112 728	133 444	148 299	164 979	179 256					
<b>Cost of capital %</b>										
3.5 Cost of capital pre tax rate	5,95%	5,95%	5,43%	3,47%	3,52%					
3.6 Return on equity	5,95%	5,95%	5,43%	3,47%	3,52%					
3.7 Average interest on debts	0,00%	0,00%	0,00%	0,00%	0,00%					
<b>Cost of common projects</b>										
3.8 Total costs of common projects	0	0	0	0	0					
<b>Costs exempted from cost sharing (Article 14(2)(b))</b>										
3.9 Total costs ex. from cost sharing										
<b>4. Total costs after deduction of costs for services to exempted flights (in nominal terms)</b>										
4.1 Costs for exempted VFR flights	0	0	0	0	0					
4.2 Total determined/actual costs	126 077	133 811	139 730	142 913	146 875					
<b>5. Cost-efficiency KPI - Determined /Actual Unit Cost (in real terms)</b>										
5.1 Inflation % (2)	2,38%	2,50%	2,50%	2,50%	2,50%					
5.2 Price index (base 100 in 2009) (3)	115,9	118,7	121,7	124,8	127,9					
5.3 Total costs real terms (4)	108 825	112 684	114 799	114 550	114 854					
Total % n/n-1		3,5%	1,9%	-0,2%	0,3%					
5.4 Total Service Units	159,8	170,6	182,4	194,1	205,7					
Total % n/n-1		6,7%	7,0%	6,4%	6,0%					
5.5 Unit cost at 2009 prices	681,01	660,62	629,21	590,15	558,24					
Total % n/n-1		-3,0%	-4,8%	-6,2%	-5,4%					

Costs and asset base items in '000 - Service units in '000

(1) To be left empty when such services are provided under the provisions of Article 3

(2) Actual/forecast inflation used for establishing the determined costs in nominal terms – actual/revise forecast inflation

(3) Forecast price indexes - Base 100 in 2009

2013 actual inflation index in the RP2 performance plan: 111,5

2014 forecast inflation rate in the RP2 performance plan: 1,46%

2014 actual inflation rate: 0,10%

(4) Determined costs (performance plan) in real terms – actual/revise forecast costs at 2009 prices

Table 1 - Total Costs and Unit Costs

Poland PLN AFIS MODLIN										
Determined costs - Performance Plan RP2						Actual costs - RP2				
Cost details	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019
<b>1. Detail by nature (in nominal terms)</b>										
1.1 Staff	390	390	390	390	390					
1.2 Other operating costs	564	564	563	562	562					
1.3 Depreciation	43	43	43	43	43					
1.4 Cost of capital	29	27	25	24	22					
1.5 Exceptional items	0	0	0	0	0					
1.6 Total costs	1 025	1 023	1 021	1 019	1 017					
Total % n/n-1		-0,2%	-0,2%	-0,2%	-0,2%					
Staff % n/n-1		0,0%	0,0%	0,0%	0,0%					
Other op. % n/n-1		-0,1%	-0,1%	-0,1%	-0,1%					
<b>2. Detail by service (in nominal terms)</b>										
2.1 Air Traffic Management	693	692	690	689	687					
2.2 Communication (1)	77	77	77	77	76					
2.3 Navigation (1)	0	0	0	0	0					
2.4 Surveillance (1)	0	0	0	0	0					
2.5 Search and rescue	0	0	0	0	0					
2.6 Aeronautical Information (1)	0	0	0	0	0					
2.7 Meteorological services (1)	256	255	254	254	253					
2.8 Supervision costs	0	0	0	0	0					
2.9 Other State costs	0	0	0	0	0					
2.10 Total costs	1 025	1 023	1 021	1 019	1 017					
Total % n/n-1		-0,2%	-0,2%	-0,2%	-0,2%					
ATM % n/n-1										
CNS % n/n-1										
<b>3. Complementary information (in nominal terms)</b>										
<b>Average asset base</b>										
3.1 Net book val. fixed assets	799	757	715	672	630					
3.2 Adjustments total assets	0	0	0	0	0					
3.3 Net current assets	0	0	0	0	0					
3.4 Total asset base	799	757	715	672	630					
<b>Cost of capital %</b>										
3.5 Cost of capital pre tax rate	3,57%	3,57%	3,57%	3,56%	3,55%					
3.6 Return on equity	3,50%	3,50%	3,50%	3,50%	3,50%					
3.7 Average interest on debts	3,63%	3,63%	3,63%	3,63%	3,63%					
<b>Cost of common projects</b>										
3.8 Total costs of common projects	0	0	0	0	0					
<b>Costs exempted from cost sharing (Article 14(2)(b))</b>										
3.9 Total costs ex. from cost sharing										
<b>4. Total costs after deduction of costs for services to exempted flights (in nominal terms)</b>										
4.1 Costs for exempted VFR flights	974	972	970	968	966					
4.2 Total determined/actual costs	51	51	51	51	51					
<b>5. Cost-efficiency KPI - Determined /Actual Unit Cost (in real terms)</b>										
5.1 Inflation % (2)	2,38%	2,50%	2,50%	2,50%	2,50%					
5.2 Price index (base 100 in 2009) (3)	115,9	118,7	121,7	124,8	127,9					
5.3 Total costs real terms (4)	44	43	42	41	40					
Total % n/n-1		-2,6%	-2,6%	-2,7%	-2,7%					
5.4 Total Service Units	159,8	170,6	182,4	194,1	205,7					
Total % n/n-1		6,7%	7,0%	6,4%	6,0%					
5.5 Unit cost at 2009 prices	0,28	0,25	0,23	0,21	0,19					
Total % n/n-1		-8,8%	-9,0%	-8,5%	-8,2%					

Costs and asset base items in '000 - Service units in '000

(1) To be left empty when such services are provided under the provisions of Article 3

(2) Actual/forecast inflation used for establishing the determined costs in nominal terms – actual/revised forecast inflation

(3) Forecast price indexes - Base 100 in 2009

2013 actual inflation index in the RP2 performance plan: 111,5

2014 forecast inflation rate in the RP2 performance plan: 1,46%

2014 actual inflation rate: 0,10%

(4) Determined costs (performance plan) in real terms – actual/revised forecast costs at 2009 prices

Table 1 - Total Costs and Unit Costs

Poland PLN CAA - NSA										
Determined costs - Performance Plan RP2						Actual costs - RP2				
Cost details	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019
<b>1. Detail by nature (in nominal terms)</b>										
1.1 Staff	2 676	2 722	2 717	2 755	2 808					
1.2 Other operating costs	1 496	1 510	1 518	1 528	1 539					
1.3 Depreciation										
1.4 Cost of capital										
1.5 Exceptional items										
1.6 Total costs	4 172	4 232	4 234	4 283	4 347					
Total % n/n-1		1,4%	0,1%	1,1%	1,5%					
Staff % n/n-1		1,7%	-0,2%	1,4%	1,9%					
Other op. % n/n-1		0,9%	0,5%	0,7%	0,8%					
<b>2. Detail by service (in nominal terms)</b>										
2.1 Air Traffic Management										
2.2 Communication (1)										
2.3 Navigation (1)										
2.4 Surveillance (1)										
2.5 Search and rescue										
2.6 Aeronautical Information (1)										
2.7 Meteorological services (1)										
2.8 Supervision costs	4 172	4 232	4 234	4 283	4 347					
2.9 Other State costs										
2.10 Total costs	4 172	4 232	4 234	4 283	4 347					
Total % n/n-1		1,4%	0,1%	1,1%	1,5%					
ATM % n/n-1										
CNS % n/n-1										
<b>3. Complementary information (in nominal terms)</b>										
<b>Average asset base</b>										
3.1 Net book val. fixed assets										
3.2 Adjustments total assets										
3.3 Net current assets										
3.4 Total asset base	0	0	0	0	0					
<b>Cost of capital %</b>										
3.5 Cost of capital pre tax rate	#DZIEL/0!	#DZIEL/0!	#DZIEL/0!	#DZIEL/0!	#DZIEL/0!					
3.6 Return on equity										
3.7 Average interest on debts										
<b>Cost of common projects</b>										
3.8 Total costs of common projects										
<b>Costs exempted from cost sharing (Article 14(2)(b))</b>										
3.9 Total costs ex. from cost sharing										
<b>4. Total costs after deduction of costs for services to exempted flights (in nominal terms)</b>										
4.1 Costs for exempted VFR flights	0	0	0	0	0					
4.2 Total determined/actual costs	4 172	4 232	4 234	4 283	4 347					
<b>5. Cost-efficiency KPI - Determined /Actual Unit Cost (in real terms)</b>										
5.1 Inflation % (2)	2,38%	2,50%	2,50%	2,50%	2,50%					
5.2 Price index (base 100 in 2009) (3)	115,9	118,7	121,7	124,8	127,9					
5.3 Total costs real terms (4)	3 601	3 564	3 479	3 433	3 399					
Total % n/n-1		-1,0%	-2,4%	-1,3%	-1,0%					
5.4 Total Service Units	159,8	170,6	182,4	194,1	205,7					
Total % n/n-1		6,7%	7,0%	6,4%	6,0%					
5.5 Unit cost at 2009 prices	22,54	20,89	19,07	17,69	16,52					
Total % n/n-1		-7,3%	-8,7%	-7,2%	-6,6%					

Costs and asset base items in '000 - Service units in '000

(1) To be left empty when such services are provided under the provisions of Article 3

(2) Actual/forecast inflation used for establishing the determined costs in nominal terms – actual/revised forecast inflation

(3) Forecast price indexes - Base 100 in 2009

2013 actual inflation index in the RP2 performance plan: 111,5

2014 forecast inflation rate in the RP2 performance plan: 1,46%

2014 actual inflation rate: 0,10%

(4) Determined costs (performance plan) in real terms – actual/revised forecast costs at 2009 prices

Table 2 - Unit rate calculation

Poland All Entities	Reference Period 2				
	2015	2016	2017	2018	2019
<b>Unit rate calculation</b>					
<b>1. Determined costs in nominal terms and inflation adjustment</b>					
1.1 Determined costs in nominal terms - VFR excl. - Table 1	130 300	138 095	144 016	147 247	151 273
1.2 Actual inflation rate - Table 1					
1.3 Forecast inflation rate - Table 1	2,4%	2,5%	2,5%	2,5%	2,5%
1.4 Inflation adjustment (1) : year n amount to be carried over					
<b>2. Forecast and actual total service units</b>					
2.1 Forecast total service units (performance plan)	159,8	170,6	182,4	194,1	205,7
2.2 Actual total service units					
2.3 Actual / forecast total service units (in %)					
<b>3. Costs subject to traffic risk sharing</b>					
3.1 Determined costs in nominal terms - VFR excl. (reported from Table 1)	0	0	0	0	0
3.2 Inflation adjustment : amount carried over to year n					
3.3 Traffic : amounts carried over to year n					
3.4 Traffic risk sharing : add. revenue carried over to year n					
3.5 Traffic risk sharing : revenues losses carried over to year n					
3.6 Costs exempt from cost sharing : amounts carried over to year n					
3.7 Bonus or penalty for performance					
3.8 Over(-) or under(+) recoveries (2) : amounts carried over to year n	0	0	0	0	0
3.9 Total for the calculation of year n unit rate	0	0	0	0	0
3.10 Traffic risk sharing : add. rev. year n to be carried-over					
3.11 Traffic risk sharing : revenue loss year n to be carried-over					
3.12 Over/under recoveries from traffic variations n to be carried-over					
Parameters for traffic risk sharing					
3.13 % additional revenue returned to users in year n+2	70%	70%	70%	70%	70%
3.14 % loss of revenue borne by airspace users	70%	70%	70%	70%	70%
<b>4. Costs not subject to traffic risk sharing</b>					
4.1 Determined costs in nominal terms - VFR excl. (Table 1)	130 300	138 095	144 016	147 247	151 273
4.2 Inflation adjustment : amount carried over to year n					
4.3 Traffic : amounts carried over to year n					
4.4 Costs exempt from cost sharing : amounts carried over to year n					
4.5 Restructuring costs : amounts carried over to year n					
4.6 Over(-) or under(+) recoveries (2) : amounts carried over to year n	-9 649	-3 478	-3 478	2 031	0
4.7 Total for the calculation of year n unit rate	120 651	134 617	140 538	149 277	151 273
4.8 Over/under recoveries from traffic variations n to be carried-over					
<b>5. Other revenues - applied unit rate (in national currency)</b>					
5.1 Total other revenues	2 354	2 519	2 439	2 397	1 804
5.2 Total revenues from Public Authorities	2 354	2 519	2 439	2 397	1 804
5.3 of which Union assistance programmes	2 354	2 519	2 439	2 397	1 804
5.4 of which National public funding	0	0	0	0	0
5.5 Commercial activities	0	0	0	0	0
5.6 Other other revenues	0	0	0	0	0
5.7 Grand total for the calculation of year n unit rate	118 297	132 098	138 099	146 880	149 469
5.8 Year n unit rate (in national currency)	<b>740,28</b>	<b>774,43</b>	<b>756,92</b>	<b>756,72</b>	<b>726,48</b>
5.9 ANSP component of the unit rate	717,01	753,23	733,43	734,39	705,10
5.10 MET component of the unit rate	0,32	0,30	0,28	0,26	0,25
5.11 NSA-State component of the unit rate	22,94	20,90	23,21	22,06	21,13
5.12 Year n unit rate that would have applied without other revenues	755,01	789,20	770,29	769,07	735,25

Costs, revenues and other amounts in '000 - Service units in '000

(1) Cumulated impact of yearly differences between actual and forecast inflation – adjustment of the total determined costs

(2) Over/under recoveries incurred up to the year of entry into force of the determined cost method

Year n unit rate (in PLN) - before the adjustment	<b>741,33</b>	<b>766,62</b>
Year n unit rate (in PLN) - after the adjustment and inclusion EPSY	<b>740,28</b>	<b>774,43</b>
Difference	<b>-1,05</b>	<b>7,81 PLN</b>

Table 2 - Unit rate calculation

Poland PANSA	Reference Period 2				
	2015	2016	2017	2018	2019
<b>Unit rate calculation</b>					
<b>1. Determined costs in nominal terms and inflation adjustment</b>					
1.1 Determined costs in nominal terms - VFR excl. - Table 1	126 077	133 811	139 730	142 913	146 875
1.2 Actual inflation rate - Table 1					
1.3 Forecast inflation rate - Table 1	2,4%	2,5%	2,5%	2,5%	2,5%
1.4 Inflation adjustment (1) : year n amount to be carried over					
<b>2. Forecast and actual total service units</b>					
2.1 Forecast total service units (performance plan)	159,8	170,6	182,4	194,1	205,7
2.2 Actual total service units					
2.3 Actual / forecast total service units (in %)					
<b>3. Costs subject to traffic risk sharing</b>					
3.1 Determined costs in nominal terms - VFR excl. (reported from Table 1)					
3.2 Inflation adjustment : amount carried over to year n					
3.3 Traffic : amounts carried over to year n					
3.4 Traffic risk sharing : add. revenue carried over to year n					
3.5 Traffic risk sharing : revenues losses carried over to year n					
3.6 Costs exempt from cost sharing : amounts carried over to year n					
3.7 Bonus or penalty for performance					
3.8 Over(-) or under(+) recoveries (2) : amounts carried over to year n					
3.9 Total for the calculation of year n unit rate	0	0	0	0	0
3.10 Traffic risk sharing : add. rev. year n to be carried-over					
3.11 Traffic risk sharing : revenue loss year n to be carried-over					
3.12 Over/under recoveries from traffic variations n to be carried-over					
Parameters for traffic risk sharing					
3.13 % additional revenue returned to users in year n+2	70%	70%	70%	70%	70%
3.14 % loss of revenue borne by airspace users	70%	70%	70%	70%	70%
<b>4. Costs not subject to traffic risk sharing</b>					
4.1 Determined costs in nominal terms - VFR excl. (Table 1)	126 077	133 811	139 730	142 913	146 875
4.2 Inflation adjustment : amount carried over to year n					
4.3 Traffic : amounts carried over to year n					
4.4 Costs exempt from cost sharing : amounts carried over to year n					
4.5 Restructuring costs : amounts carried over to year n					
4.6 Over(-) or under(+) recoveries (2) : amounts carried over to year n	-9 143	-2 811	-3 478	2 031	
4.7 Total for the calculation of year n unit rate	116 933	131 000	136 252	144 944	146 875
4.8 Over/under recoveries from traffic variations n to be carried-over					
<b>5. Other revenues - applied unit rate (in national currency)</b>					
5.1 Total other revenues	2 354	2 519	2 439	2 397	1 804
5.2 Total revenues from Public Authorities	2 354	2 519	2 439	2 397	1 804
5.3 of which Union assistance programmes	2 354	2 519	2 439	2 397	1 804
5.4 of which National public funding					
5.5 Commercial activities					
5.6 Other other revenues					
5.7 Grand total for the calculation of year n unit rate	114 579	128 481	133 814	142 546	145 071
5.8 Year n unit rate (in national currency)					
5.9 ANSP component of the unit rate	717,01	753,23	733,43	734,39	705,10
5.10 MET component of the unit rate					
5.11 NSA-State component of the unit rate					
5.12 Year n unit rate that would have applied without other revenues	731,75	767,99	746,80	746,74	713,87

Costs, revenues and other amounts in '000 - Service units in '000

(1) Cumulated impact of yearly differences between actual and forecast inflation – adjustment of the total determined costs

(2) Over/under recoveries incurred up to the year of entry into force of the determined cost method

Table 2 - Unit rate calculation

Poland AFIS MODLIN	Reference Period 2				
	2015	2016	2017	2018	2019
<b>Unit rate calculation</b>					
<b>1. Determined costs in nominal terms and inflation adjustment</b>					
1.1 Determined costs in nominal terms - VFR excl. - Table 1	51	51	51	51	51
1.2 Actual inflation rate - Table 1					
1.3 Forecast inflation rate - Table 1	2,4%	2,5%	2,5%	2,5%	2,5%
1.4 Inflation adjustment (1) : year n amount to be carried over					
<b>2. Forecast and actual total service units</b>					
2.1 Forecast total service units (performance plan)	159,8	170,6	182,4	194,1	205,7
2.2 Actual total service units					
2.3 Actual / forecast total service units (in %)					
<b>3. Costs subject to traffic risk sharing</b>					
3.1 Determined costs in nominal terms - VFR excl. (reported from Table 1)					
3.2 Inflation adjustment : amount carried over to year n					
3.3 Traffic : amounts carried over to year n					
3.4 Traffic risk sharing : add. revenue carried over to year n					
3.5 Traffic risk sharing : revenues losses carried over to year n					
3.6 Costs exempt from cost sharing : amounts carried over to year n					
3.7 Bonus or penalty for performance					
3.8 Over(-) or under(+) recoveries (2) : amounts carried over to year n					
3.9 Total for the calculation of year n unit rate					
3.10 Traffic risk sharing : add. rev. year n to be carried-over					
3.11 Traffic risk sharing : revenue loss year n to be carried-over					
3.12 Over/under recoveries from traffic variations n to be carried-over					
Parameters for traffic risk sharing					
3.13 % additional revenue returned to users in year n+2					
3.14 % loss of revenue borne by airspace users					
<b>4. Costs not subject to traffic risk sharing</b>					
4.1 Determined costs in nominal terms - VFR excl. (Table 1)	51	51	51	51	51
4.2 Inflation adjustment : amount carried over to year n					
4.3 Traffic : amounts carried over to year n					
4.4 Costs exempt from cost sharing : amounts carried over to year n					
4.5 Restructuring costs : amounts carried over to year n					
4.6 Over(-) or under(+) recoveries (2) : amounts carried over to year n	0	0	0	0	0
4.7 Total for the calculation of year n unit rate	51	51	51	51	51
4.8 Over/under recoveries from traffic variations n to be carried-over					
<b>5. Other revenues - applied unit rate (in national currency)</b>					
5.1 Total other revenues	0	0	0	0	0
5.2 Total revenues from Public Authorities	0	0	0	0	0
5.3 of which Union assistance programmes					
5.4 of which National public funding					
5.5 Commercial activities					
5.6 Other other revenues					
5.7 Grand total for the calculation of year n unit rate	51	51	51	51	51
5.8 Year n unit rate (in national currency)					
5.9 ANSP component of the unit rate					
5.10 MET component of the unit rate	0,32	0,30	0,28	0,26	0,25
5.11 NSA-State component of the unit rate					
5.12 Year n unit rate that would have applied without other revenues	0,32	0,30	0,28	0,26	0,25

Costs, revenues and other amounts in '000 - Service units in '000

(1) Cumulated impact of yearly differences between actual and forecast inflation – adjustment of the total determined costs

(2) Over/under recoveries incurred up to the year of entry into force of the determined cost method



Table 2 - Unit rate calculation

Poland CAA - NSA	Reference Period 2				
	2015	2016	2017	2018	2019
<b>Unit rate calculation</b>					
<b>1. Determined costs in nominal terms and inflation adjustment</b>					
1.1 Determined costs in nominal terms - VFR excl. - Table 1	4 172	4 232	4 234	4 283	4 347
1.2 Actual inflation rate - Table 1					
1.3 Forecast inflation rate - Table 1	2,4%	2,5%	2,5%	2,5%	2,5%
1.4 Inflation adjustment (1) : year n amount to be carried over					
<b>2. Forecast and actual total service units</b>					
2.1 Forecast total service units (performance plan)	159,8	170,6	182,4	194,1	205,7
2.2 Actual total service units					
2.3 Actual / forecast total service units (in %)					
<b>3. Costs subject to traffic risk sharing</b>					
3.1 Determined costs in nominal terms - VFR excl. (reported from Table 1)					
3.2 Inflation adjustment : amount carried over to year n					
3.3 Traffic : amounts carried over to year n					
3.4 Traffic risk sharing : add. revenue carried over to year n					
3.5 Traffic risk sharing : revenues losses carried over to year n					
3.6 Costs exempt from cost sharing : amounts carried over to year n					
3.7 Bonus or penalty for performance					
3.8 Over(-) or under(+) recoveries (2) : amounts carried over to year n					
3.9 Total for the calculation of year n unit rate					
3.10 Traffic risk sharing : add. rev. year n to be carried-over					
3.11 Traffic risk sharing : revenue loss year n to be carried-over					
3.12 Over/under recoveries from traffic variations n to be carried-over					
Parameters for traffic risk sharing					
3.13 % additional revenue returned to users in year n+2					
3.14 % loss of revenue borne by airspace users					
<b>4. Costs not subject to traffic risk sharing</b>					
4.1 Determined costs in nominal terms - VFR excl. (Table 1)	4 172	4 232	4 234	4 283	4 347
4.2 Inflation adjustment : amount carried over to year n					
4.3 Traffic : amounts carried over to year n					
4.4 Costs exempt from cost sharing : amounts carried over to year n					
4.5 Restructuring costs : amounts carried over to year n					
4.6 Over(-) or under(+) recoveries (2) : amounts carried over to year n	-506	-667			
4.7 Total for the calculation of year n unit rate	3 667	3 566	4 234	4 283	4 347
4.8 Over/under recoveries from traffic variations n to be carried-over					
<b>5. Other revenues - applied unit rate (in national currency)</b>					
5.1 Total other revenues	0	0	0	0	0
5.2 Total revenues from Public Authorities	0	0	0	0	0
5.3 of which Union assistance programmes					
5.4 of which National public funding					
5.5 Commercial activities					
5.6 Other other revenues					
5.7 Grand total for the calculation of year n unit rate	3 667	3 566	4 234	4 283	4 347
5.8 Year n unit rate (in national currency)					
5.9 ANSP component of the unit rate					
5.10 MET component of the unit rate					
5.11 NSA-State component of the unit rate	22,94	20,90	23,21	22,06	21,13
5.12 Year n unit rate that would have applied without other revenues	22,94	20,90	23,21	22,06	21,13

Costs, revenues and other amounts in '000 - Service units in '000

(1) Cumulated impact of yearly differences between actual and forecast inflation – adjustment of the total determined costs

(2) Over/under recoveries incurred up to the year of entry into force of the determined cost method



Table 1 - Total Costs and Unit Costs

Poland PLN Warsaw										
Determined costs - Performance Plan RP2						Actual costs - RP2				
Cost details	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019
<b>1. Detail by nature (in nominal terms)</b>										
1.1 Staff	26 722	27 128	27 608	28 976	28 934					
1.2 Other operating costs	7 212	7 285	7 050	7 615	7 329					
1.3 Depreciation	2 956	3 575	5 783	5 925	5 913					
1.4 Cost of capital	1 795	2 486	2 748	1 721	1 659					
1.5 Exceptional items	0	0	0	0	0					
1.6 Total costs	38 685	40 474	43 189	44 237	43 835					
Total % n/n-1		4,6%	6,7%	2,4%	-0,9%					
Staff % n/n-1		1,5%	1,8%	5,0%	-0,1%					
Other op. % n/n-1		1,0%	-3,2%	8,0%	-3,8%					
<b>2. Detail by service (in nominal terms)</b>										
2.1 Air Traffic Management	29 617	30 061	30 002	31 564	31 500					
2.2 Communication (1)	1 240	1 270	1 358	1 351	1 296					
2.3 Navigation (1)	1 796	1 882	1 971	2 016	1 974					
2.4 Surveillance (1)	3 201	4 254	6 843	6 286	5 997					
2.5 Search and rescue	0	0	0	0	0					
2.6 Aeronautical Information (1)	141	145	146	145	145					
2.7 Meteorological services (1)	1 333	1 488	1 501	1 497	1 527					
2.8 Supervision costs	1 357	1 373	1 369	1 379	1 397					
2.9 Other State costs	0	0	0	0	0					
2.10 Total costs	38 685	40 474	43 189	44 237	43 835					
Total % n/n-1		4,6%	6,7%	2,4%	-0,9%					
ATM % n/n-1		1,5%	-0,2%	5,2%	-0,2%					
CNS % n/n-1		18,7%	37,3%	-5,1%	-4,0%					
<b>3. Complementary information (in nominal terms)</b>										
<b>Average asset base</b>										
3.1 Net book val. fixed assets										
3.2 Adjustments total assets										
3.3 Net current assets										
3.4 Total asset base										
<b>Cost of capital %</b>										
3.5 Cost of capital pre tax rate										
3.6 Return on equity										
3.7 Average interest on debts										
<b>Cost of common projects</b>										
3.8 Total costs of common projects	0	0	0	0	0					
<b>Costs exempted from cost sharing (Article 14(2)(b))</b>										
3.9 Total costs ex. from cost sharing										
<b>4. Total costs after deduction of costs for services to exempted flights (in nominal terms)</b>										
4.1 Costs for exempted VFR flights	0	0	0	0	0					
4.2 Total determined/actual costs	38 685	40 474	43 189	44 237	43 835					
<b>5. Cost-efficiency KPI - Determined /Actual Unit Cost (in real terms)</b>										
5.1 Inflation % (2)	2,38%	2,50%	2,50%	2,50%	2,50%					
5.2 Price index (base 100 in 2009) (3)	115,9	118,7	121,7	124,8	127,9					
5.3 Total costs real terms (4)	33 391	34 083	35 483	35 457	34 279					
Total % n/n-1		2,1%	4,1%	-0,1%	-3,3%					
5.4 Total Service Units	159,8	170,6	182,4	194,1	205,7					
Total % n/n-1		6,7%	7,0%	6,4%	6,0%					
5.5 Unit cost at 2009 prices	208,96	199,82	194,48	182,67	166,61					
Total % n/n-1		-4,4%	-2,7%	-6,1%	-8,8%					

Costs and asset base items in '000 - Service units in '000

(1) To be left empty when such services are provided under the provisions of Article 3

(2) Actual/forecast inflation used for establishing the determined costs in nominal terms – actual/revise forecast infl

(3) Forecast price indexes - Base 100 in 2009

2013 actual inflation index in the RP2 performance plan: 111,5

2014 forecast inflation rate in the RP2 performance plan: 1,46%

2014 actual inflation rate: 0,10%

(4) Determined costs (performance plan) in real terms – actual/revise forecast costs at 2009 prices

Table 1 - Total Costs and Unit Costs

Poland PLN Other aerodromes										
Determined costs - Performance Plan RP2						Actual costs - RP2				
Cost details	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019
<b>1. Detail by nature (in nominal terms)</b>										
1.1 Staff	53 260	55 688	58 169	60 265	62 948					
1.2 Other operating costs	27 362	29 994	30 475	31 324	31 172					
1.3 Depreciation	7 027	7 430	7 829	8 353	9 603					
1.4 Cost of capital	4 941	5 481	5 325	4 036	4 681					
1.5 Exceptional items	0	0	0	0	0					
1.6 Total costs	92 590	98 593	101 797	103 978	108 404					
Total % n/n-1		6,5%	3,2%	2,1%	4,3%					
Staff % n/n-1		4,6%	4,5%	3,6%	4,5%					
Other op. % n/n-1		9,6%	1,6%	2,8%	-0,5%					
<b>2. Detail by service (in nominal terms)</b>										
2.1 Air Traffic Management	63 194	66 870	69 184	71 422	76 045					
2.2 Communication (1)	2 278	2 240	2 350	2 378	2 402					
2.3 Navigation (1)	7 952	8 077	8 389	8 299	7 717					
2.4 Surveillance (1)	2 198	2 162	2 287	2 290	2 294					
2.5 Search and rescue	0	0	0	0	0					
2.6 Aeronautical Information (1)	534	608	615	624	625					
2.7 Meteorological services (1)	13 619	15 776	16 105	16 062	16 370					
2.8 Supervision costs	2 815	2 859	2 866	2 904	2 951					
2.9 Other State costs	0	0	0	0	0					
2.10 Total costs	92 590	98 593	101 797	103 978	108 404					
Total % n/n-1		6,5%	3,2%	2,1%	4,3%					
ATM % n/n-1		5,8%	3,5%	3,2%	6,5%					
CNS % n/n-1		0,4%	4,4%	-0,5%	-4,3%					
<b>3. Complementary information (in nominal terms)</b>										
<b>Average asset base</b>										
3.1 Net book val. fixed assets										
3.2 Adjustments total assets										
3.3 Net current assets										
3.4 Total asset base										
<b>Cost of capital %</b>										
3.5 Cost of capital pre tax rate										
3.6 Return on equity										
3.7 Average interest on debts										
<b>Cost of common projects</b>										
3.8 Total costs of common projects	0	0	0	0	0					
<b>Costs exempted from cost sharing (Article 14(2)(b))</b>										
3.9 Total costs ex. from cost sharing										
<b>4. Total costs after deduction of costs for services to exempted flights (in nominal terms)</b>										
4.1 Costs for exempted VFR flights	974	972	970	968	966					
4.2 Total determined/actual costs	91 616	97 621	100 827	103 010	107 438					
<b>5. Cost-efficiency KPI - Determined /Actual Unit Cost (in real terms)</b>										
5.1 Inflation % (2)	2,38%	2,50%	2,50%	2,50%	2,50%					
5.2 Price index (base 100 in 2009) (3)	115,9	118,7	121,7	124,8	127,9					
5.3 Total costs real terms (4)	79 080	82 208	82 837	82 566	84 015					
Total % n/n-1		4,0%	0,8%	-0,3%	1,8%					
5.4 Total Service Units	159,8	170,6	182,4	194,1	205,7					
Total % n/n-1		6,7%	7,0%	6,4%	6,0%					
5.5 Unit cost at 2009 prices	494,87	481,95	454,03	425,38	408,35					
Total % n/n-1		-2,6%	-5,8%	-6,3%	-4,0%					

Costs and asset base items in '000 - Service units in '000

(1) To be left empty when such services are provided under the provisions of Article 3

(2) Actual/forecast inflation used for establishing the determined costs in nominal terms – actual/revi sed forecast infl

(3) Forecast price indexes - Base 100 in 2009

2013 actual inflation index in the RP2 performance plan: 111,5

2014 forecast inflation rate in the RP2 performance plan: 1,46%

2014 actual inflation rate: 0,10%

(4) Determined costs (performance plan) in real terms – actual/revi sed forecast costs at 2009 prices

Table 1 - Total Costs

Poland  
PLN  
Other aerodromes

Total costs	Determined costs (performance plan)					Actual costs				
	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019
BYDGOSZCZ/SZWEREDOWO	2 550	2 649	2 190	2 313	2 366					
GDANSK/LECH WALESIA	13 005	13 415	13 780	13 784	14 819					
KRAKOW/BALICE	19 624	21 078	23 005	23 150	22 771					
KATOWICE/PYRZOWICE	14 593	14 950	16 397	18 149	18 194					
LUBLIN	1 035	1 096	1 081	1 104	1 119					
LODZ/LUBLINEK	3 098	3 296	3 388	3 130	3 203					
WARSZAWA/MODLIN	5 785	5 693	5 179	5 649	6 728					
POZNAN/LAWICA	13 157	13 041	13 148	12 866	13 829					
RADOM-SADKÓW	803	930	1 142	1 155	1 223					
RZESZOW/JASIONKA	3 568	3 526	3 636	3 660	3 737					
SZCZECIN/GOLENIOW	2 623	2 706	2 758	2 802	2 861					
WROCLAW/STRACHOWICE	11 269	12 562	11 633	11 962	12 935					
ZIELONA GORA/BABIMOST	1 478	1 598	1 495	1 532	1 607					
OLSZTYN-MAZURY	0	2 054	2 965	2 723	3 012					
<b>Total</b>	<b>92 590</b>	<b>98 593</b>	<b>101 797</b>	<b>103 978</b>	<b>108 404</b>					
Total % n/n-1		6,5%	3,2%	2,1%	4,3%					

## Terminal

## Cost efficiency KPI #2: Determined unit cost (DUC) for terminal ANS

		RP2 Performance Plan					Avg pct var p.a. 2015D- 2019D	
		2015 D	2016 D	2017 D	2018 D	2019 D		
		<b>Poland</b>						
TO BE COPIED (VALUES) INTO THE FAB TEMPLATE	Local currency (Nominal and 2012 prices)	Total terminal determined costs in nominal terms (in national currency)	130 300 488	138 094 703	144 015 701	147 246 621	151 273 277	3,8%
		Inflation %	2,38%	2,50%	2,50%	2,50%	2,50%	
		Inflation index (Base = 100 in 2012)	104,70	107,32	110,00	112,75	115,57	2,5%
		Total terminal determined costs in real terms (in national currency at 2012 prices)	124 452 980	128 680 402	130 924 634	130 596 939	130 895 890	1,3%
		Total terminal Service Units (TSU) used for the determined unit cost	159 800	170 574	182 449	194 101	205 744	6,5%
		Real terminal DUCs (in national currency at 2012 prices)	778,80	754,40	717,60	672,83	636,21	-4,9%
	Local currency (2009 prices)	Inflation index (Base = 100 in 2009)	115,85	118,75	121,72	124,76	127,88	2,5%
		Total terminal actual/forecast/determined costs in real terms (in national currency at 2009 prices)	112 470 999	116 291 417	118 319 581	118 023 435	118 293 604	1,3%
		Real terminal UCs/DUCs (in national currency at 2009 prices)	703,82	681,76	648,51	608,05	574,96	-4,9%