

## APPENDIX – E1

### Traffic Statistics data and analysis for the EUR/SAM corridor-2018



#### Scope

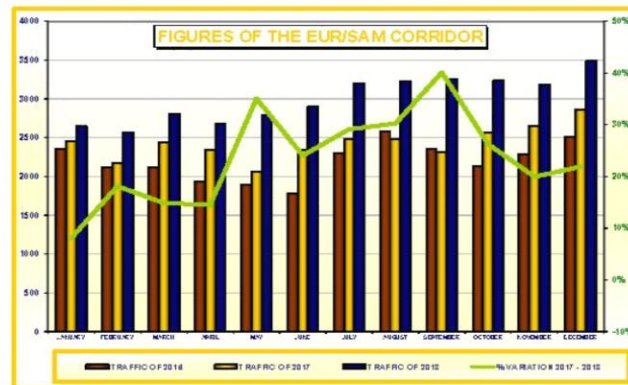
- The necessary flight plan information to perform this study is obtained from PALESTRA (Sub-system of ENAIRE's ATM System):
  - The flight plan data contains initial flight plan information that is updated by radar and controllers with pilot position reports.
  - the air traffic movements reflected in this study are:
    - all traffics using UN741, UN866, UN873 and UN857 whose flight plans contains information about EDUMO, TENPA, IPERA and GUNET waypoints.
    - traffic using the random route.
  - this study does not reflect:
    - **traffic not overflying Canaries FIR/UIR.**
    - data from east-west flows crossing the EUR-SAM corridor.
    - southbound traffic to/ from Cape Verde.

## Global figures of the EUR/SAM corridor - 2018



MONTH	SOUTHBOUND		NORTHBOUND		TOTAL TRAFFIC IN THE CORRIDOR				% VARIATION	
	2017	2018	2017	2018	2016	DAILY	2017	DAILY	2016 - 2017	2017 - 2018
JANUARY	1098	1292	1351	1354	2355	76	2449	79	4%	8%
FEBRUARY	1012	1157	1163	1412	2113	73	2175	78	3%	18%
MARCH	1073	1372	1373	1438	2117	68	2446	79	16%	15%
APRIL	1088	1166	1247	1505	1937	65	2335	78	21%	14%
MAY	1010	1224	1055	1555	1891	61	2065	67	9%	35%
JUNE	1025	1217	1312	1682	1787	62	2337	78	31%	24%
JULY	1112	1472	1364	1725	2298	74	2476	80	8%	29%
AUGUST	1202	1589	1279	1642	2575	83	2481	80	-4%	30%
SEPTEMBER	1121	1630	1196	1608	2358	79	2317	77	-2%	40%
OCTOBER	1339	1497	1222	1736	2127	69	2561	83	20%	26%
NOVEMBER	1190	1598	1463	1584	2288	76	2653	88	16%	20%
DECEMBER	1337	1672	1522	1813	2513	81	2859	92	14%	22%
AVERAGE	1134	1408	1296	1589	2197	72	2430	80	11%	24%

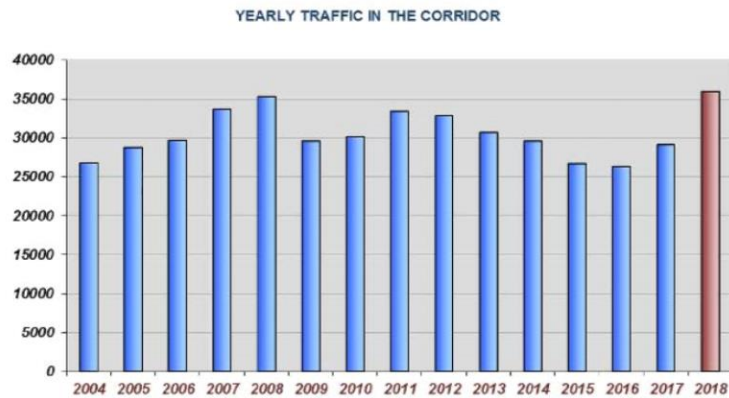
## Global figures of the EUR/SAM corridor- 2018



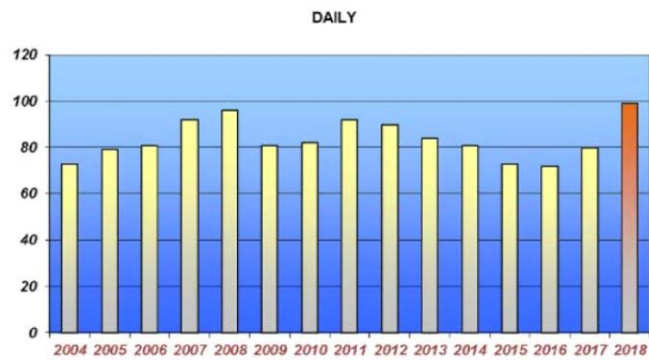
## Number of movements

FIGURES OF	SOUTHBOUND	NORTHBOUND	TOTAL TRAFFIC IN THE CORRIDOR	MONTHLY	DAILY
2004	13108	13685	26793	2233	73
2005	14088	14674	28762	2397	79
2006	14651	15036	29687	2474	81
2007	16704	17004	33708	2809	92
2008	17024	18295	35319	2943	96
2009	14256	15366	29622	2468	81
2010	14083	16019	30102	2508	82
2011	15426	17988	33414	2784	92
2012	15245	17624	32869	2739	90
2013	14778	15867	30645	2554	84
2014	13469	16113	29582	2465	81
2015	11613	15068	26681	2223	73
2016	12158	14201	26359	2197	72
2017	13607	15547	29154	2430	80
2018	16896	19064	35960	2997	99

## Number of movements-2018



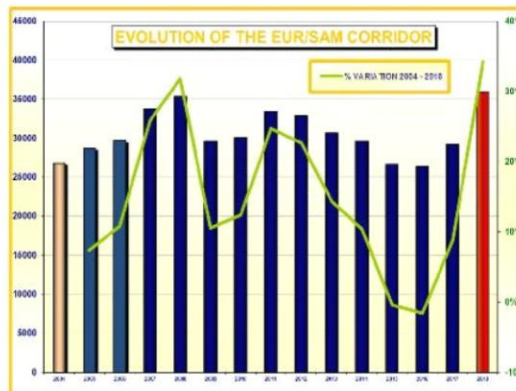
## Average daily traffic



## EUR/SAM corridor evolution



ROUTE/OF	CORRIDOR L	ESTIMATED	TOTAL TECHNICAL	IN-BUSINESS
			RUE CORRIDOR	FROM 2018
2004	12457	12457	12457	0%
2007	14688	14688	14688	21.7%
2010	15511	15511	15511	23.6%
2013	17054	17054	17054	36.9%
2017	19227	19227	19227	54.8%
2018	25000	25000	25000	100.0%
2019	25000	25000	25000	100.0%
2020	25000	25000	25000	100.0%
2021	25000	25000	25000	100.0%
2022	25000	25000	25000	100.0%
2023	25000	25000	25000	100.0%
2024	25000	25000	25000	100.0%
2025	25000	25000	25000	100.0%
2026	25000	25000	25000	100.0%
2027	25000	25000	25000	100.0%
2028	25000	25000	25000	100.0%
2029	25000	25000	25000	100.0%
2030	25000	25000	25000	100.0%
2031	25000	25000	25000	100.0%
2032	25000	25000	25000	100.0%
2033	25000	25000	25000	100.0%
2034	25000	25000	25000	100.0%
2035	25000	25000	25000	100.0%
2036	25000	25000	25000	100.0%
2037	25000	25000	25000	100.0%
2038	25000	25000	25000	100.0%
2039	25000	25000	25000	100.0%
2040	25000	25000	25000	100.0%



## Traffic per ATS route

	TOTAL	RANDOM ROUTE	UN741	UN866	UN873	UN857
2004	26793	1052	7179	4960	11219	2383
2005	28762	1413	7220	5534	11609	2986
2006	29687	1429	7935	5037	12442	2844
2007	33708	1424	9039	6389	13484	3372
2008	35319	1399	8486	8113	13314	4007
2009	29622	845	6383	7173	11320	3901
2010	30102	399	5605	7466	12170	4462
2011	33414	261	5999	8129	14172	4853
2012	32869	292	5009	8237	15129	4202
2013	30645	388	4968	6634	14477	4178
2014	29582	2310	3204	5650	13919	4499
2015	26681	2529	2121	5330	13134	3567
2016	26359	2643	1840	4201	14383	3292
2017	29154	2933	1843	4745	16053	3580
2018	35960	3956	2369	5055	19670	4910

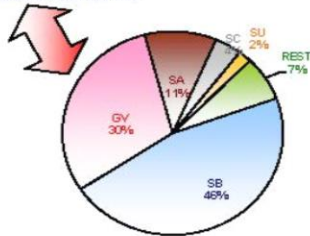
## Daily traffic

	TOTAL CORRIDOR	RANDOM ROUTE		UN741		UN866		UN873		UN857	
		DAILY	%	DAILY	%	DAILY	%	DAILY	%	DAILY	%
2004	73	3	4%	20	27%	14	19%	31	42%	7	10%
2005	79	4	5%	20	25%	15	19%	32	41%	8	10%
2006	81	4	5%	22	27%	14	17%	34	42%	8	10%
2007	92	4	4%	25	27%	18	20%	37	40%	9	10%
2008	97	4	4%	23	24%	22	23%	36	37%	11	11%
2009	81	2	2%	17	21%	20	25%	31	38%	11	14%
2010	82	1	1%	15	18%	20	24%	33	40%	12	15%
2011	92	1	1%	16	17%	22	24%	39	42%	13	14%
2012	91	1	1%	14	15%	23	25%	42	46%	12	13%
2013	84	1	1%	14	17%	18	21%	40	48%	11	13%
2014	81	6	7%	9	11%	15	19%	38	47%	12	15%
2015	73	7	10%	6	8%	15	21%	36	49%	10	14%
2016	72	7	10%	5	7%	12	17%	39	54%	9	13%
2017	80	8	10%	5	6%	13	16%	44	55%	10	13%
2018	99	11	11%	7	7%	14	14%	54	55%	13	13%

## Main flows

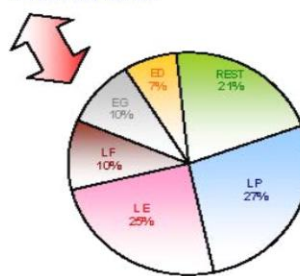
COUNTRY*	2017	2018	VAR%
SB	12153	10535	-13%
GV	10354	10968	6%
SA	3133	3791	21%
SC	942	1416	50%
SU	624	723	16%
REST	2043	2535	24%

\* ORIGIN / DESTINATION



COUNTRY*	2017	2018	VAR%
LP	5742	5772	0%
LE	6703	6932	3%
LF	2746	3686	34%
EG	3181	3523	11%
ED	2209	2588	17%
REST	6172	7579	23%

\* ORIGIN / DESTINATION



## Main airports

MAIN AIRPORT: <b>LEB</b>	ATS ROUTE	SUOI PRODUCE	INTERPRODUCE	TOTAL	PERCENTAGE
%OOBRODOR: <b>26.82%</b>	RADOM	42	138	227	2%
	W41	291		291	2%
	W68	1824	1824	1824	17%
	W72	2674	2970	5248	62%
	W67	248	417	768	2%
	TOTAL	4655	3629	8284	

MAIN AIRPORT: <b>LEB</b>	ATS ROUTE	SUOI PRODUCE	INTERPRODUCE	TOTAL	PERCENTAGE
%OOBRODOR: <b>26.82%</b>	RADOM	221	218	439	7%
	W41	464		464	6%
	W68	1824	1824	1824	20%
	W72	2184	2977	4421	66%
	W67	748	138	888	12%
	TOTAL	5439	3629	9068	

MAIN AIRPORT: <b>LEB</b>	ATS ROUTE	SUOI PRODUCE	INTERPRODUCE	TOTAL	PERCENTAGE
%OOBRODOR: <b>26.82%</b>	RADOM	888	138	1221	17%
	W41	922		922	12%
	W68	1	1016	1018	17%
	W72	1426	1824	3211	40%
	W67	888	417	1305	16%
	TOTAL	3499	3629	7128	

MAIN AIRPORT: <b>LEB</b>	ATS ROUTE	SUOI PRODUCE	INTERPRODUCE	TOTAL	PERCENTAGE
%OOBRODOR: <b>21.02%</b>	RADOM	2	1	3	0%
	W41	172		172	2%
	W68	2241	176	2417	3%
	W72	2241	2182	4424	23%
	W67	203	418	621	4%
	TOTAL	5424	3629	9053	

## Main city-pair

CITY PAIR	TOTAL	% TOTAL
SAEZ <-> LEMD	2009	5.59%
SBGR <-> LEMD	1926	5.36%
SBGR <-> LPPT	1414	3.93%
GVAC <-> LPPT	1258	3.50%
SBGR <-> LFPG	1218	3.39%
GNR <-> LPPT	1199	3.33%
SCEL <-> LEMD	905	2.52%
SBGL <-> LPPT	840	2.34%
SBRF <-> LPPT	823	2.29%
SBKP <-> LPPT	780	2.17%
SBGR <-> EDDF	752	2.09%
SUMI <-> LEMD	711	1.98%
SLVR <-> LEMD	664	1.85%
SBGR <-> EGLL	650	1.81%
GVSF <-> LPPT	559	1.55%
SBSV <-> LPPT	558	1.55%
SBGR <-> LIMC	493	1.37%
GVAC <-> EHAM	487	1.35%
SBGR <-> LIRF	451	1.25%
SBGL <-> LFPG	431	1.20%
REST	17832	49.59%

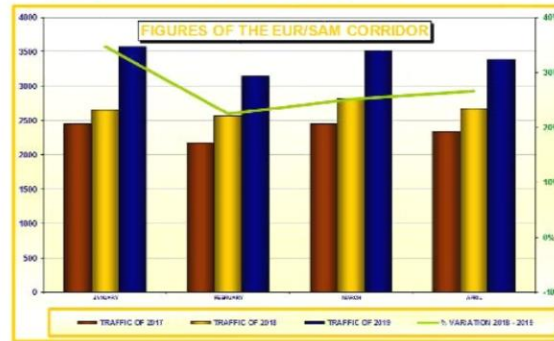
## Evolution of AO's

AIRCRAFT OPERATOR	2017	2018	VARIATION
TAP	6422	7675	19.5%
IBE	2667	3411	27.9%
TAM	1350	2863	112.1%
AEA	2010	2593	29.0%
AFR	1528	2053	34.4%
TOM	1689	1844	9.2%
DLH	922	927	0.5%
TCV	637	890	39.7%
KLM	657	882	34.2%
BAW	848	828	-2.4%
REST	10424	11994	15.1%

June 2018

## 2019 traffic evolution

MONTH	SOUTHBOUND		NORTHBOUND		TOTAL TRAFFIC IN THE CORRIDOR		% VARIATION		% VARIATION	
	2018	2019	2018	2019	DAILY	2018	DAILY	2019	2017-2018	2018-2019
JANUARY	1502	1527	1554	1610	3056	78	3066	85	0%	33%
FEBRUARY	1107	1090	1412	1505	2519	78	2560	82	16%	23%
MARCH	1272	1267	1428	1509	2700	79	2810	81	10%	20%
APRIL	1168	1241	1505	1642	2673	78	2873	89	14%	27%
AVERAGE	1267	1284	1427	1536	2581	79	2675	83	14%	24%



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