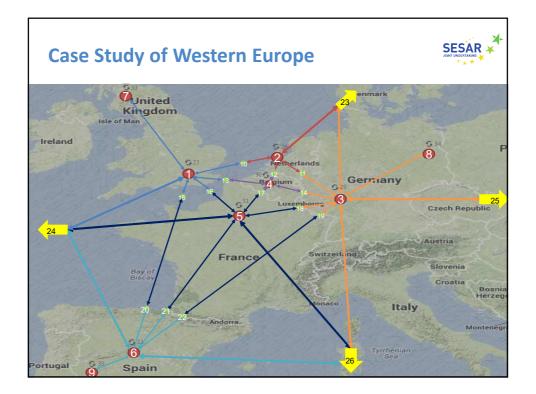


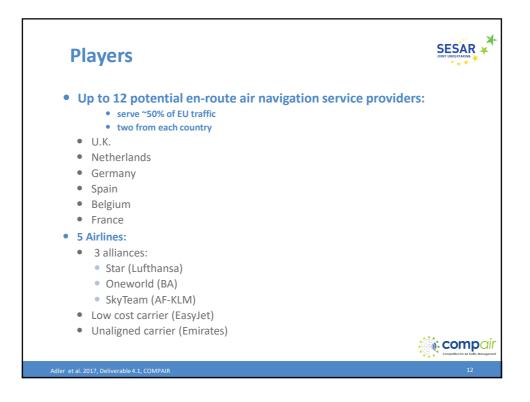






5





6

Business as usual		Price	in€per peak	/ off-peak per	km			Labour	Tech level	Revenues (000 €)	Profits (000 €)
ANSPs	UK	Netherlands	Germany	Belgium	France	Sp	ain				
NATS	1.11 1.11							605	1.00	737,598	283,054
LVNL		0.61 0.61						172	1.00	207,680	17,067
DFS			0.81 0.81					1,472	1.00	1,071,714	223,823
Belgocontrol				0.95 0.95				310	1.00	267,411	25,965
DSNA					0.81 0.81			2,442	1.00	1,720,356	190,53
ENAIRE						0.86	0.86	805	1.00	663,726	204,23
Annual Totals								5,806		4,668,486	944,683

For profit No tender ANSPs	Price in € per peak / off-peak per km UK Netherlands Germany Belgium France Spain	Labour	Tech level	Revenues (000 €)	Profits (000 €)
NATS	1.11 1.11	486	1.09	716,431	296,770
VNL	0.61 0.61	147	2.00	119,713	-56,455
FS	0.81 0.81	832	2.00	1,123,545	430,170
elgocontrol	0.95 0.95	184	2.00	245,849	77,849
SNA	0.81 0.81	1,084	2.00	1,734,423	857,537
NAIRE	0.86 0.85	408	1.16	563,417	241,705
Annual Totals		1,233		4,503,379	1,847,575
	profit compared to Labor rent seekers: Prices set at price cap in both situations Labor levels massively lower in this scenario Technology levels increase in 4 of the 6 regions Profits double (so airlines not better off)				

For-profit 2014 ANSPs	UK	Price in Netherlands		off-peak per sea Belgium	it per km Frai		Spa	ain	Labour	Tech level	Revenues (000 €)	Profits (000 €)
6. Germany		0.45 0.45	0.45 0.45						1,021	2.00	790,995	8,096
7. Belgium	0.32 0.32			0.49 0.49					276	2.00	243,748	9,242
10. France					0.29	0.29	0.43	0.43	1,219	2.00	999,481	44,963
Annual Total	s								2,517		2,034,225	62,302
LalSESRe	 Germa Gour leve GAR techr venues has 	ls halved nologies a alved com	nd; UK/B compare dopted i npared to ces drop	elgium; Fr ed to base in full o current e by 2/3, Go better off.	case equilil erma	bria d	outco		elgium	by ½,	Netherlan	nds by 1/3

ANSP	Total IFR		expected IFR i	n 2035 (000 km)	
	controlled in 2014 (000 km)	Global growth (2.6% annually 2014-2035)	Regulated growth (1.8% annually 2014-2035)	Happy localism (1.6% annually 2014-2035)	Fragmenting world (0.7% annually 2014-2035)
Belgocontrol	173,363	297,202	252,151	241,949	200,713
DFS	1,103,673	1,892,060	1,605,253	1,540,310	1,277,789
DSNA	1,542,051	2,643,584	2,242,859	2,152,120	1,785,326
ENAIRE	882,224	1,512,423	1,283,164	1,231,251	1,021,404
LVNL	209,565	359,263	304,805	292,473	242,626
NATS	798,502	1,368,896	1,161,393	1,114,407	924,474
Compound growth		167%	143%	137%	115%
					: compc

	Total IFR		expected IFR in	n 2050 (000 km)	
ANSP	controlled in 2014 (000 km)	Global growth (2.8% annually 2035-2050)	Regulated growth (1.8% annually 2035- 2050)	Happy localism (1.7% annually 2035-2050)	Fragmenting world (-0.4% annually 2035- 2050)
Belgocontrol	173,363	449,726	329,516	311,558	189,002
DFS	1,103,673	2,863,067	2,097,781	1,983,455	1,203,231
DSNA	1,542,051	4,000,276	2,931,019	2,771,282	1,681,154
ENAIRE	882,224	2,288,601	1,676,868	1,585,481	961,807
LVNL	209,565	543,638	398,326	376,618	228,469
NATS	798,502	2,071,415	1,517,734	1,435,020	870,532
Compound growth		259%	190%	180%	109%

For-profit		Price in	€ per peak / o	ff-peak per	seat	per km	n			Labour	Tech	Revenues	Profits
Global 2050 ANSPs	UK	Netherlands	Germany	Belgium	n	Frar	nce	Sp	ain		level	(000€)	(000 €)
6. Germany		0.42 0.42	0.55 0.55							2,457	2.00	2,191,505	727,025
7. Belgium	0.29 0.28			0.44 0.	.44					552	2.00	541,334	107,599
10. France						0.26	0.26	0.83	0.80	3,076	2.00	3,200,472	1,179,477
Annual Total	s									6,085		5,933,310	2,014,101

	User E	quilibrium		Pro	fit Maximiza	tion		Profit Maximiz	ation
	busine	ss as usual		u	nder auction	S	under	auctions global	demand 2035
Airlines	cask	peak %	offpeak %	cask	peak %	offpeak %	cask	peak %	offpeak %
LH	0.104	78	15	0.100	82	16	0.103	68	8
BA	0.089	81	18	0.085	81	19	0.088	80	17
AF	0.084	83	17	0.081	83	17	0.084	83	17
LC	0.073	87	13	0.069	74	26	0.070	36	64
Rest	0.083	87	9	0.080	87	12	0.082	86	13

2014		Price	in€per peak ;	/ off-peak	per k	m				Labour	Tech level	Revenues (000€)	Profits (000 €)
ANSPs	UK	Netherlands	Germany	Belgiu	im	Fran	nce	Spa	ain				
1 UK	1.01 0.79									295	1.00	318,158	31
5 Germany		0.15 0.15	0.81 0.76							625	1.92	583,224	497
7 Belgium				0.81	0.81					100	1.53	98,413	(408)
10 France						0.24	0.24	0.75	0.75	939	2.00	794,344	953
Annual Total	;									1,959		1,794,139	1,073

Non profit	Price in € per peak / off-peak per km	Labour	Tech level	Revenues (000 €)	Profits (000 €)
No tender ANSPs	UK Netherlands Germany Belgium France Spain		level	(000 €)	(000 €)
NATS	0.83 0.83	277	1.00	308,505	(1,739)
LVNL	0.61 0.61	231	2.00	210,092	(53,533)
DFS	0.61 0.61	597	1.83	533,629	(23,154)
Belgocontrol	0.95 0.95	274	2.00	211,654	(21,224)
DSNA	0.61 0.61	487	2.00	498,883	(34,898)
ENAIRE	0.64 0.64	206	1.00	218,833	(65)
Annual Totals		2,072		1,981,597	(134,613)
	t tender; for-profits charge price cap whereas non-pro on-profits have difficulties balancing profits and capa		noose	lower cha	arges

