

# SAFA

## Safety Assessment of Foreign Aircraft Programme

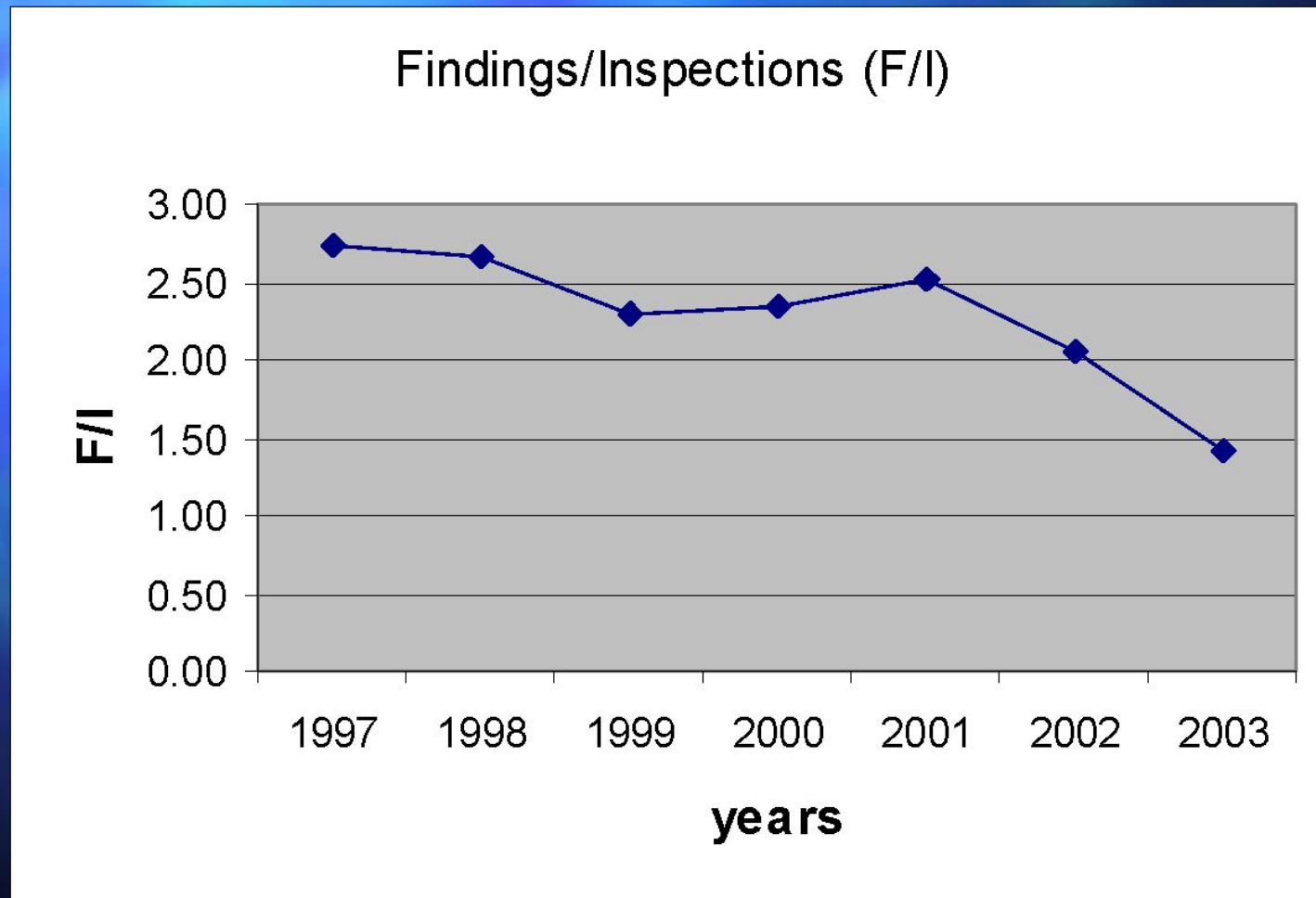


**Wim Ovaa - SAFA Programme Co-ordinator**

# SAFA results: Operators Russian Federation

	1996	1997	1998	1999	2000	2001	2002	2003	Total
<b>Inspections</b>	6	85	140	126	108	142	183	91	881
<b>Findings</b>	37	233	373	289	252	358	376	128	2046
<b>Ratio F/I</b>	6.17	2.74	2.66	2.29	2.33	2.52	2.05	1.41	2.32

# SAFA results: Operators Russian Federation



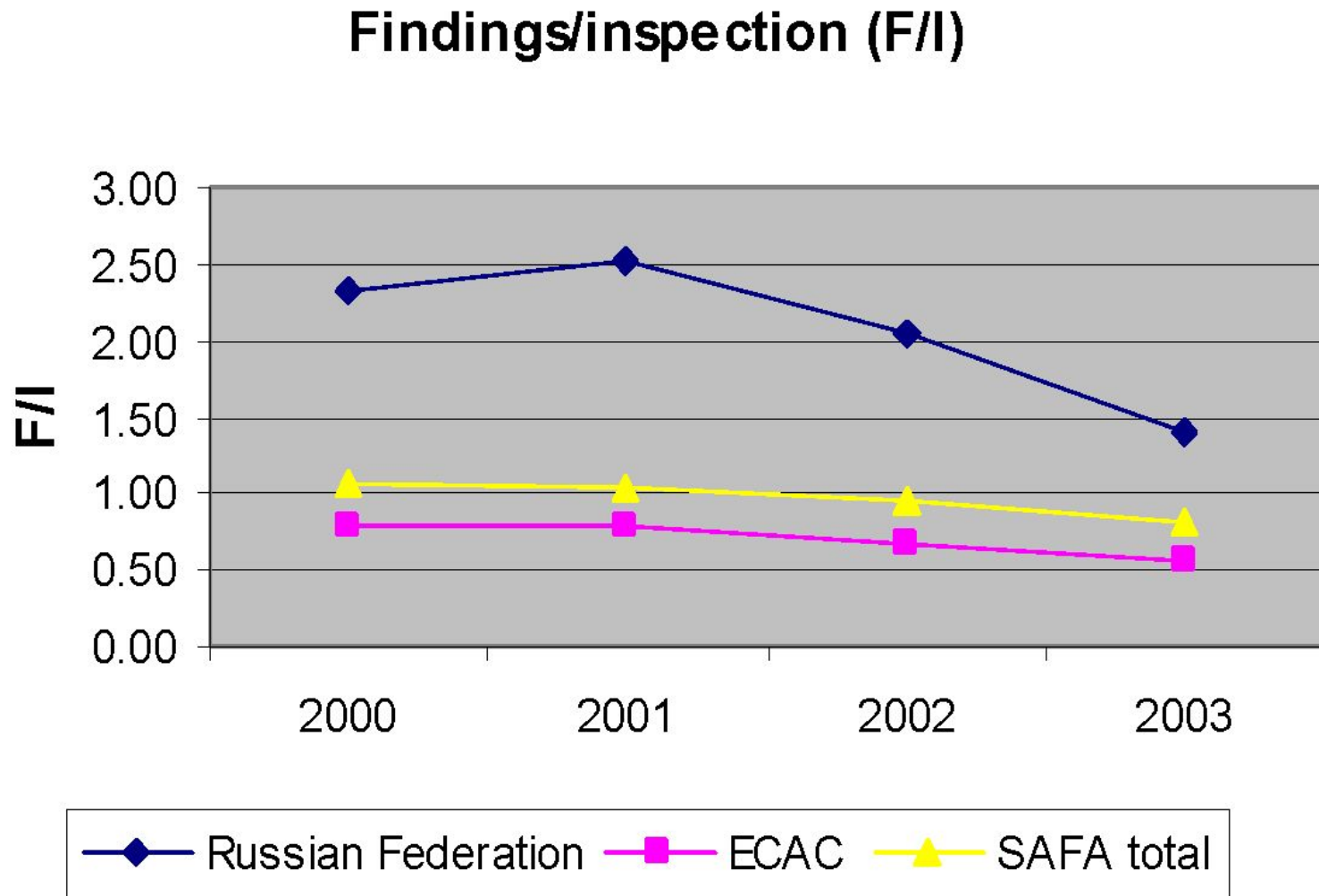
# SAFA results: Operators Russian Federation

<b>Operator</b>	<b>code</b>	<b>Inspections (I)</b>	<b>Findings (F)</b>	<b>F/I</b>
<b>AEROFLOT - RUSSIAN INT. AIRL.</b>	AFL	287	569	1.98
<b>AEROFLOT DON/DONAVIA</b>	DNV	21	58	2.76
<b>AEROFREIGHT AIRLINES</b>	FRT	24	83	3.46
<b>AIR ENTERPRISE PULKOVO</b>	PLK	107	259	2.42
<b>SIBERIA AIRLINES</b>	SBI	29	41	1.41
<b>SARATOV AVIATION DIVISION</b>	SOV	12	32	2.67
<b>URAL AIRLINES</b>	SVR	23	40	1.74
<b>TRANSAERO AIRLINES</b>	TSO	30	64	2.13
<b>ATRAN-AVIATRANS CARGO AIRLINES</b>	VAS	27	48	1.78
<b>VOLGA-DNEPR</b>	VDA	48	64	1.33

# SAFA results - comparison

	2000			2001			2002			2003		
State of Operator	I	F	F/I	I	F	F/I	I	F	F/I	I	F	F/I
Russian Fed.	108	252	2.33	142	358	2.52	183	376	2.05	91	128	1.41
ECAC	1452	1128	0.78	1759	1371	0.78	2135	1459	0.68	1052	588	0.56
SAFA total	2397	2587	1.08	2729	2869	1.05	3245	3073	0.95	1646	1356	0.82

# SAFA results - comparison



# SAFA results - comparison

	<b>Total (1996-2003)</b>		
<b>State of Operator</b>	<b>I</b>	<b>F</b>	<b>F/I</b>
<b>Russian Federation</b>	881	2046	2.32
<b>ECAC</b>	10658	7332	0.69
<b>SAFA total</b>	17440	17252	0.99

# Operators – inspections and finding categories

		Insp. (I)	Findings (F)			ratio
operator	code	I	cat. 1	cat. 2	cat. 3	F(cat.2+3)/I
AEROFLOT - RUSSIAN INT. AIRL.	AFL	120	75	82	17	0.83
AEROFREIGHT AIRLINES	FRT	23	35	37	10	2.04
AIR ENTERPRISE PULKOVO	PLK	53	39	75	10	1.60
PSKOV STATE AVIATION ENT.	PSW	13	9	5	0	0.38
SIBERIA AIRLINES	SBI	16	4	20	1	1.31
ATRAN-AVIATRANS CARGO AIRLINES	VAS	17	11	13	14	1.59
VOLGA-DNEPR	VDA	24	9	12	1	0.54
	Total	433	345	514	127	1.48



# Comparison – inspections and finding categories

	Insp. (I)	Findings (F)			ratio
State of operator	I	cat. 1	cat. 2	cat. 3	$F(\text{cat.2+3})/I$
Russian Federation	433	345	514	127	1.48
ECAC	5355	1994	1511	453	0.37
SAFA total	8382	3924	3476	1129	0.55

# Operators – Flight Deck items

Description	Insp.(III)	findings (F)				ratio	
		cat. 1	cat. 2	cat. 3	total	F(cat.2+3)/III	rank
A03 Equipment	290	17	56	13	86	0.238	1
A04 Manuals	255	7	10		17	0.039	24
A05 Checklists	266	17	18		35	0.068	14
A06 Radio Navigation Charts	289	4	16	1	21	0.059	17
A07 Minimum Equipment List	222	6	13		19	0.059	18
A13 Flight preparation	248	9	13	7	29	0.081	11
A14 Weight and balance sheet	238	9	17	6	32	0.097	9
A15 Hand fire extinguishers	282	11	11	4	26	0.053	19
A16 Life jackets / flotation device	235	7	7	3	17	0.043	22
A17 Harness	285	16	40	16	72	0.196	2
A18 Oxygen equipment	274	8	26	3	37	0.106	6
A19 Flash Light	264	24	21	6	51	0.102	8

# Operators – Cabin items

Description	Insp. (III)	findings (F)				ratio	
		cat. 1	cat. 2	cat. 3	total	F(cat.2+3)/III	rank
B01 General Internal Condition	296	10	6	5	21	0.037	25
B02 Cabin attendant's station and crew rest area	224	4	22	1	27	0.103	7
B03 First Aid Kit/ Emergency medical kit	238	16	18		34	0.076	13
B04 Hand fire extinguishers	251	8	7	1	16	0.032	30
B05 Life jackets / Flotation devices	214	6	10	4	20	0.065	16
B07 Emergency exit, lighting and marking, torches	220	15	22	6	43	0.127	5
B09 Oxygen Supply (Cabin Crew and Passengers)	241	10	14	2	26	0.066	15
B10 Safety Instructions	210	10	17	1	28	0.086	10
B12 Access to emergency exits	253	7	35	5	47	0.158	3
B13 Safety of passenger baggages	175	3	5	4	12	0.051	20

# Operators – Aircraft & Cargo items

Description	Insp. (III)	findings (F)				ratio	
		cat. 1	cat. 2	cat. 3	total	F(cat.2+3)/III	rank
C01 General external condition	374	22	15		37	0.040	23
C02 Doors and hatches	355	1	5	1	7	0.017	37
C03 Flight controls	343	5	3	3	11	0.017	36
C04 Wheels, tyres and brakes	356	9	11	1	21	0.034	28
C05 Undercarriage	354	2	1		3	0.003	46
C06 Wheel well	342	6	1		7	0.003	45
C07 Powerplant and pylon	314	3	1		4	0.003	44
C08 Fan blades	240				0	0.000	53
C09 Propellers	66	2			2	0.000	54
C10 Obvious repairs	305	2		1	3	0.003	43
C11 Obvious unrepaired damage	300	8	6		14	0.020	35
C12 Leakage	325	7	6	4	17	0.031	31
D01 General condition of cargo compartment	255	5	7	5	17	0.047	21
D02 Dangerous Goods	88	3	5	2	10	0.080	12
D03 Safety of cargo on board	170	11	14	11	36	0.147	4

# Operators – finding highlights

- A14 weight and balance sheet
- A19 flash light
- B02 cabin attendant station
- B07 emergency exit, lighting and marking
- B10 safety instructions
- D03 safety of cargo onboard



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**The end**