



SCRAG/1 - REPORT

INTERNATIONAL CIVIL AVIATION ORGANIZATION

**REPORT OF
THE FIRST MEETING OF THE SADIS COST RECOVERY
ADMINISTRATIVE GROUP
(SCRAG/1)**

(Paris, 19 and 20 June 2001)

THE DESIGNATIONS AND THE PRESENTATION OF MATERIAL IN THIS PUBLICATION DO NOT IMPLY THE EXPRESSION OF ANY OPINION WHATSOEVER ON THE PART OF ICAO CONCERNING THE LEGAL STATUS OF ANY COUNTRY, TERRITORY, CITY OR AREA OF ITS AUTHORITIES, OR CONCERNING THE DELIMITATION OF ITS FRONTIERS OR BOUNDARIES.

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INTRODUCTION

Place and duration

i.1 The First Meeting of the SADIS Cost Recovery Administrative Group (SCRAG) was held at the European and North Atlantic (EUR/NAT) Office of ICAO in Paris from 19 to 20 June 2001.

Attendance

i.2 The Meeting was attended by all members of the Group as well as the three invited observers. The list of participants is given in **Appendix A** and a list of working papers issued for the meeting is at **Appendix B**.

Officers and Secretariat

i.3 **Mr. L. Wedbäck** from Sweden was Chairman of the Meeting. **Mr. J.C. Bugnet**, Chief , Joint Financing Section, ICAO Headquarters, Montreal, acted as Secretary of the Meeting, assisted by **Mr. B. Hellroth**, Regional Officer Meteorology/Aeronautical Information Services, of the European and North Atlantic Office of ICAO in Paris.

Terms of reference

i.4 The terms of reference of the SCRAG, as per Article VII of the Agreement on the Sharing of Costs of the Satellite Distribution System for Information relating to Air Navigation (SADIS Agreement) are as follows:

The SCAR arrangement shall be administered by a group, the *SADIS Cost Recovery Administrative Group* (SCRAG) which shall:

- a) assess the annual cost share attributable to each Party, including re-assessments arising from new Parties adhering to this Agreement; and
- b) audit the costs of the SADIS provision and any related financial activities, incurred by the provider State and subject to cost sharing.

Agenda

i.5 The following agenda was adopted:

Agenda Item 1: Review of SCRAG's terms of reference, composition and working arrangements.

Agenda Item 2: Consideration of the revised SADIS Agreement.

Agenda Item 3: Consideration of issues relevant to the SCRAG's work addressed by the SADIS Operations Group (SADISOPS).

Agenda Item 4: Review of estimated SADIS costs and cost shares for the period 1 January to 31 December 2001.

Agenda Item 5: Future work and arrangements for SCRAG/2 Meeting.

Agenda Item 6: Other business

AGENDA ITEM 1: REVIEW OF SCRAG’S TERMS OF REFERENCE, COMPOSITION AND WORKING ARRANGEMENTS

1.1 Terms of reference:

The Group noted its Terms of Reference assigned by Article VII of the SADIS Agreement (See paragraph i.4 above).

1.2 Composition:

1.2.1 The Group noted that, as per Article VII, paragraph 2 of the SADIS Agreement,

“The SCRAG shall be composed of one Party from the European Region nominated by the European Air Navigation Planning Group (EANPG), one Party from the AFI Region nominated by the AFI Planning and Implementation Regional Group (APIRG), one Party from the MID Region nominated by the MID Air Navigation Planning and Implementation Regional Group (MIDANPIRG) and one Party from the Asia Region nominated by the ASIA/PAC Air Navigation Planning and Implementation Regional Group (APANPIRG). An additional member shall be nominated by the planning and implementation regional group for the region wherein Parties are located which in the aggregate are responsible for more than 50 per cent of the total current assessments. The representative from the Party so nominated shall be chairman of the SCRAG. If none of the regions includes Parties which in the aggregate are responsible for more than 50 per cent of the total assessments, SCRAG shall elect its chairman from among its members.”

1.2.2 The Group was informed that ICAO has received and/or is expecting Notices of Accession to the SADIS Agreement from Parties located in the European Region which in the aggregate are responsible for more than 50 per cent of the total current assessments. Consequently, in accordance with Article VII, paragraph 2 of the SADIS Agreement, an additional member was nominated by EANPG and was designated as chairman of the SCRAG.

1.3 Working arrangements:

1.3.1 The Group agreed that it should normally meet once a year to audit the costs of the SADIS provision for the previous year and to assess the annual cost share attributable to each party for the year to come. Taking into account the deadlines in Articles XI.2 and XII.1 of the SADIS Agreement, the annual meeting of the SRCAG should be held in November. The Group noted that the SCRAG meetings should normally be held, by rotation, in the ICAO Regional Offices concerned (Paris, Bangkok, Cairo, Dakar and Nairobi).

1.3.2 The Group agreed that, in carrying out its assignment, it should liaise as necessary with the SADIS Operations Group, the Chairman of the two Groups deciding on the most efficient means of effecting such liaison when required.

AGENDA ITEM 2: CONSIDERATION OF THE REVISED SADIS AGREEMENT

2.1 The Group received detailed presentations by the secretariat on the revised SADIS Agreement as adopted by the Council of ICAO on 24 November 2000. Particular emphasis was given to the changes introduced regarding mandatory participation of the States receiving the SADIS services to the SADIS Cost Allocation and Recovery (SCAR) arrangement, with the exception of the Least Developed Countries which are exempted. It was pointed out that, in accordance with Article XIV of the Agreement, cost recovery of this assessment from the users (aircraft operators), in so far as it applies to international civil aviation, must be in conformity with *ICAO's Policies on charges for Airports and Air Navigation Services (Doc 9082)*.

2.2 The Observer from the United Kingdom, as provider State of the SADIS services, provided the Group with detailed information on the Services covered and on the Inventories, corresponding to Annexes I and II respectively of the SADIS Agreement.

2.3 The Group also received information from the Secretariat on the status of accession to the SADIS Agreement by the Parties (See Appendix D).

AGENDA ITEM 3: CONSIDERATION OF ISSUES RELEVANT TO THE SCRAG'S WORK ADDRESSED BY THE SADIS OPERATIONS GROUP (SADISOPSG)

3.1 The Group noted the Statement of SADIS operational efficacy received from the Chairman of the SADIS Operations Group relaying the advice from the Group at its sixth meeting (SADISOPSG/6, Paris, 28 May to 1 June 2001) to SCRAG that the operational efficacy of the SADIS had continued to be satisfactory meeting all operational requirements since the fifth meeting of the SADISOPSG Group (Dakar, 5 to 9 June 2000).

3.2 The Group then considered an updated SADIS inventory in a format of an amended version of "Annex II - SADIS Inventory" to the SADIS Agreement. The Group noted that the copy of Annex II showing the amendments suggested by the SADISOPSG and presented to SCRAG was not identical to that annexed to the SADIS Agreement. SCRAG therefore agreed that until some issues had been fully addressed the proposed inventory should not replace Annex II in the SADIS Agreement. However, since there had been consensus in the SADISOPSG on the need for the updated inventory SCRAG agreed to its application for budgeting purposes.

3.3 The Group noted that the SADISOPSG/6 Meeting was informed on progress in the letting of contract and implementation of the SADIS gateway function. In this context, it was indicated that the provisional dates for acceptance testing and operational service were January 2002 and October 2002, respectively.

3.4 The Group supported the Conclusion 6/14 of the SADISOPSG/6 Meeting regarding the importance of the continued operation of VSAT stations used exclusively for the technical development of SADIS, no matter whether the State participates in the cost recovery scheme. It was agreed that such an exception should be documented in a direct agreement with the UK as provider State.

Conclusion 1/1 -

VSAT stations used exclusively for the technical development of SADIS should be allowed to continue in operation, no matter whether the State participate in the cost recovery scheme. This should be documented in a direct agreement with the United Kingdom as provider State

AGENDA ITEM 4: REVIEW OF ESTIMATED SADIS COSTS AND COST SHARES FOR THE PERIOD 1 JANUARY TO 31 DECEMBER 2001

4.1 Before reviewing the estimated SADIS costs and cost shares for the year 2001, the Group, on the basis of information presented by the secretariat, considered a number of specific issues related to the first year of implementation of the revised SADIS Agreement. As a result of its discussions, the Group adopted the following Conclusions:

Conclusion 1/2 -

For the calculation of the cost shares for the year 2001 to be billed by the United Kingdom, the Group assumes that all the States which have not notified their refusal to accede to the SADIS Agreement by the date of the SCRAG/1 Meeting wish to continue receiving the SADIS service and will be billed for the year 2001. Any corresponding under-recovery in 2001 will be taken into consideration in the calculation of the assessments for 2003.

Conclusion 1/3 -

In the absence of reply from a State receiving the SADIS service to the ICAO State letter of 2 March 2001 inviting to accede to the SADIS Agreement, the United Kingdom, as provider and billing State will address the corresponding invoice to the Civil Aviation Authority (CAA) in the State concerned and will simultaneously inform those entities actually receiving the SADIS service in this State.

Conclusion 1/4 -

The SADIS service to those States which have notified their refusal of accession to the SADIS Agreement by the date of the SCRAG/1 Meeting will be withdrawn:

- after notification by ICAO to the UK CAA, and
- one month after notification by the UK to both the CAA and the entities actually receiving the service within the State concerned.

The same procedure will be applied in subsequent years.

Conclusion 1/5 -

In accordance with Annex III to the SADIS Agreement, SCRAG decides to use the same format and detail of presentation of the accounts by the United Kingdom as the SADIS provider State as the ones which were adopted previously by the European SADIS Cost recovery Administrative Group (ESCRAG) (see Appendix E).

Conclusion 1/6 -

The billing of the cost shares shall be calculated on the basis of the number of full months of provision of the SADIS service to the Party concerned, as of the date when the service is declared operational by the United Kingdom as provider State.

4.2 The group considered two issues of concern to the provider State:

4.2.1 It was pointed out by the UK that the UK CAA, which replaced the UK NATS as of April 2001 in its responsibility for implementing the cost recovery arrangements for SADIS, is experiencing financial exposure in particular in 2001 due to the timing of the first SCRAG Meeting. This situation may be exacerbated due to eventual late or non payment by some States and the UK CAA may have to compensate for the shortfall by arranging loan cover. The Group noted that, in accordance with Article XII, paragraph 5 of the SADIS Agreement, any interest accruing on the separate bank account that the UK has to maintain for handling all payments received and payments made with regard to the services covered under the Agreement shall be considered a collective property of the Parties. The Group agreed that an equitable and balanced approach should apply in this matter. While considering that the existing provision of Annex III to the SADIS Agreement (under Chargeable Cost, 1. d) Costs of Capital) may cover the concern expressed by the UK, the Group decided to add a specific paragraph 1. e) in Annex III under Chargeable Cost.

Conclusion 1/7-

With the consent of the United Kingdom as the SADIS provider State, in accordance with Article XVII, paragraph 5,

ANNEX III FINANCIAL ISSUES of the SADIS Agreement, is amended as follows:

Under Part **CHARGEABLE COST**, a new paragraph 1. e) is added, which reads:

e) *Interest on temporary cash surplus or deficit*

Article XII, paragraph 5 of the Agreement stipulates that “the United Kingdom shall maintain a separate bank account specifically for handling all payments received and payments made with regard to the services covered under this Agreement. Any interest accruing on that account shall be considered a collective property of the Parties and shall be applied for a purpose deemed appropriate by the SCRAG, with the approval of the Parties.” In the events of the funds in this bank account not being sufficient to cover the disbursements required for the services covered under this Agreement, the United Kingdom may charge interest on the shortfall during the period it lasts at that rate of interest that would be paid by the UK-CAA for short-term loans it may negotiate to finance its own operations.

4.2.2 The Group noted the concern expressed by the UK CAA regarding a potential problem with cost recovery which could occur during the last year of SADIS services provision and the need to ensure that the UK is able to recover any shortfall in contribution in the final year. The Group agreed to postpone the discussion on this matter until its next meeting.

4.3 The Group reviewed the SADIS cost estimates provided by the United Kingdom of the costs to the United Kingdom of providing SADIS services in the year 2001. These cost estimates, which exclude the administrative costs incurred by CAA, are presented in **Appendix E** and total £ 465,472. A summary of these costs together with estimates of the United Kingdom administrative costs and the costs of the ICAO support services is presented in **Table 1** showing total estimated costs for 2001 of £ 503,472.

TABLE 1
SUMMARY OF ESTIMATED SADIS COSTS
FOR THE PERIOD 1 JANUARY TO 31 DECEMBER 2001

Cost Item	Estimated Costs (UK £)
Amortization and interest	163 500
Annual cost excluding amortization and interest	301 972
<i>Sub-total UK Meteorological Office</i>	<i>465 472</i>
UK administrative costs	18 000
<i>Sub-total UK</i>	<i>483 472</i>
ICAO support services costs	20 000
TOTAL	503 472

4.4 The Group determined the cost share for the period 1 January to 31 December 2001 to be borne by the States parties to the SADIS Agreement which are not exempted because they are on the list of the Least Developed Countries or because their access to SADIS is not operational, on the basis of the available tonne-kilometers (ATKs) in scheduled services for 1999. The cost share in percentage terms and the share in £ sterling to be borne by each State are shown in **Appendix F**.

4.5 The Group then agreed that the United Kingdom, as the SADIS provider State, would proceed to bill each of the States party to the SADIS Agreement for the share attributable to it as shown in Appendix F. Accordingly the Group formulated the following Conclusion:

Conclusion 1/8 -

The estimated cost shares for 2001 as shown in Appendix F of the Report of the First Meeting of SCRAG for each State party to the SADIS Agreement having been assessed by SCRAG are approved for collection by the United Kingdom as the SADIS provider State.

Depreciated assets

4.6 The Group noted the information presented by the UK regarding the depreciated assets as at 31 December 2000 (see Appendix C).

Cost estimates for the years 2002 to 2004

4.7 The Group considered the estimates provided by the United Kingdom (see Appendix E) and summarized in **Table 2** of costs of providing the SADIS services incurred by the United Kingdom Meteorological office for the years 2002 to 2004 as well as estimates for the United Kingdom administrative costs and the costs of ICAO support services. The Table shows the costs are expected to peak at £ 491,665 and at £ 509,913 in years 2003 and 2004 respectively when the OPMET Gateway function is due to become operational.

TABLE 2
SUMMARY OF ESTIMATED SADIS COSTS
FOR THE YEARS 2002, 2003 AND 2004

Cost Item	Estimated Costs 2002 (UK £)	Estimated Costs 2003 (UK £)	Estimated Costs 2004 (UK £)
Amortization and interest	99 000	51 500	51 500
Annual cost excluding amortization and interest	335 040	402 165	420 413
<i>Sub-total UK Meteorological Office</i>	<i>434 040</i>	<i>453 665</i>	<i>471 913</i>
UK administrative costs	18 000	18 000	18 000
<i>Sub-total UK</i>	<i>452 040</i>	<i>471 665</i>	<i>489 913</i>
ICAO support services costs	20 000	20 000	20 000
TOTAL	472 040	491 665	509 913

AGENDA ITEM 5: FUTURE WORK AND ARRANGEMENTS FOR THE SCRAG/2 MEETING

5.1 The Group noted that, in addition to its review of the SADIS estimated costs and cost shares for the year 2002, the audit of the actual SADIS costs for the year 2000, which will involve former ESCRAG members from the European region, will have to be performed by the ESCRAG at the same date as the second Meeting of SCRAG. Due to this special situation, it was suggested to hold this Meeting at the ICAO Paris Office, the rotation between the ICAO regional Offices starting in 2002 only. Subject to confirmation, the second Meeting of the Group (SCRAG/2 Meeting) should take place at the EUR/NAT Office of ICAO in Paris on 13 and 14 November 2001.

AGENDA ITEM 6: OTHER BUSINESS

No questions were raised under this agenda item.

APPENDIX A

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APPENDIX B**LIST OF SCRAG/1 WORKING PAPERS**

Working Paper No.	Agenda Item	Subject	Presented by
1	1	Provisional agenda	Secretariat
2	3	Report on efficacy, inventory, SADIS gateway function and VSAT stations involved in the technical development of SADIS	Chairman, SADIS Operations Group
3	4	Issues related to the first year of implementation of the revised SADIS Agreement	Secretariat
4	4	Recovering the costs of SADIS – Issues of concern to the provider State	United Kingdom
5	4	Depreciated assets: SADIS costs	United Kingdom
6	4	SADIS Costs: 3 to 5 years	United Kingdom
7	2 & 4	Status of accession to the SADIS Agreement	Secretariat
8	4	Summary of estimated costs and cost shares for the year 2001	Secretariat

APPENDIX C

**INVENTORY OF ASSETS AS AT 31 DECEMBER 2000
EMPLOYED BY THE UNITED KINGDOM TO PROVIDE SADIS SERVICES**

(1) Inventory of Assets: 2000	(2) Original Value	(3) Depreciated charges in current year.	(4) Total accumulated depreciation	(5) Net depreciated values at end of current year
<u>UNITED KINGDOM</u>				
HUB Investment	£191,928	£38385	£175931	£15997
New Two-Way Hub enhancement	£250000	£50000	£150000	£100000
New Development & project Management	£75000	£15000	£45000	£30000
Communication UKMO to Whitehill	£30,896	£6179	£28320	£2576
<u>TRIAL SADIS PROGRAMME SYSTEMS</u>				
SADIS VSAT Seven One-Way VSAT and spares	£44,988	£8998	£41240	£3748
Three Two-Way VSATS and spares	£98,958	£19791	£90712	£8246
ISCS VSAT back-up system	£8453	£1691	£7750	£703
New 2*Two-Way enhanced VSATS	£50000	£10000	£30000	£20000
	£35456	£7091	£32500	£2956

Trials & Support for Training	£303000	£60600	£277750	£25250
CAPITALIZED OPERATION ASSET (see appendix B to ESCRAG/1 report)	£713679	£142736	£654203	£59476
TOTAL (original) investment	£375000	£75000	£225000	£150000
New Investment				

APPENDIX D

**STATUS OF ACCESSION TO THE SADIS AGREEMENT
AS AT 19 JUNE 2001**

STATES	Least Developed Countries Exempted	Access to SADIS not Operational	Accession to SADIS Agreement	Notes
Afghanistan	X			No reply received
Algeria				No reply received
Armenia			Yes	
Australia			No	
Austria			Yes	
Azerbaijan			Yes	Notice of accession to be completed
Bahrain			Yes	
Bangladesh	X			No reply received
Belgium			Yes	
Benin	X			No reply received
Botswana			Yes	Effective date requested: 1 July 2001
Brunei Darussalam				No reply received
Bulgaria				No reply received
Burkina Faso	X			No reply received
Cameroon			Yes	Reply from ASECNA; to be completed by State
Chad	X			No reply received
China			Yes	
Congo			Yes	Reply from ASECNA; to be completed by State
Côte d'Ivoire			Yes	Reply from ASECNA; to be completed by State
Croatia			Yes	
Cyprus			Yes	
Czech Republic			Yes	
Democratic People's Republic of Korea			Yes	
Democratic Republic of the Congo	X		Yes	
Denmark			Yes	
Egypt			Yes	
Equatorial Guinea	X			No reply received
Estonia			Yes	
Ethiopia	X			No reply received
Federal Republic of Yugoslavia			Yes	Notice of accession to be completed
Finland			Yes	
France			No	
Gabon			Yes	Reply from ASECNA; to be completed by State
Gambia	X			No reply received
Georgia			Yes	
Germany			Yes	
Ghana				No reply received

**STATUS OF ACCESSION TO THE SADIS AGREEMENT
AS AT 19 JUNE 2001**

STATES	Least Developed Countries Exempted	Access to SADIS not Operational	Accession to SADIS Agreement	Notes
Greece			Yes	Notice of accession to be completed
Guinea	X			No reply received
Hungary			Yes	
India				No reply received
Indonesia				No reply received
Italy			Yes	Notice of accession to be completed
Jordan			Yes	Effective date requested: 1 May 2001
Kenya				No reply received
Kuwait			Yes	Notice of accession to be completed
Lao People's Democratic Republic	X			No reply received
Lebanon				No reply received
Madagascar	X		Yes	
Malaysia			No	To be confirmed
Maldives	X			No reply received
Malta			Yes	Notice of accession to be completed
Mauritius			Yes	
Mongolia			Yes	
Morocco			Yes	
Mozambique	X			No reply received
Namibia				No reply received
Nepal	X			No reply received
Netherlands			Yes	
Niger	X			No reply received
Nigeria				No reply received
Oman			Yes	
Pakistan				No reply received
Portugal			Yes	
Republic of Moldova		X	Yes	
Romania			Yes	
Russian Federation				No reply received
Rwanda	X	X		No reply received
Saudi Arabia				No reply received
Senegal			Yes	Reply from ASECNA; to be completed by State
Seychelles				No reply received
Singapore			No	
Slovakia			No	
South Africa				No reply received
Sri Lanka				No reply received

**STATUS OF ACCESSION TO THE SADIS AGREEMENT
AS AT 19 JUNE 2001**

STATES	Least Developed Countries Exempted	Access to SADIS not Operational	Accession to SADIS Agreement	Notes
Swaziland				No reply received
Sweden			Yes	
Switzerland			Yes	
Thailand				No reply received
Togo	X			No reply received
Tunisia			Yes	
Turkey			Yes	Notice of accession to be completed
Turkmenistan				No reply received
Uganda	X			No reply received
Ukraine			Yes	Effective date requested: 1 January 2002. To be completed
United Arab Emirates			Yes	
United Kingdom			Yes	Notice of accession to be completed
United Republic of Tanzania	X		Yes	
Viet Nam			Yes	Effective date requested: 1 January 2002 since damage prevents use
Yemen	X			No reply received
Zambia	X			No reply received

- END -

APPENDIX E

**SADIS COST ESTIMATES FOR 2001 TO 2004 FOR SADIS SERVICES PROVIDED BY THE
UNITED KINGDOM METEOROLOGICAL OFFICE**

Table 1	Year 2001 Projected Costs at 2001 prices	Year 2002 Projected Costs at 2001 prices	Year 2003 Projected Costs At 2001 prices	Year 2004 Projected Costs at 2001 prices
() resource in man/yr				
<u>ANNUAL STAFF COSTS</u>				
Help Desk (see note 1)	18248 (0.25)	18248 (0.25)	18248 (0.25)	36496 (0.50)
Engineer	2488 (0.02)	2488 (0.02)	2488 (0.02)	2488 (0.02)
Network Computer Engineer	18250 (0.20)	18250 (0.20)	18250 (0.20)	18250 (0.20)
Executive Officer	39265 (0.55)	39265 (0.55)	39265 (0.55)	39265 (0.55)
Support Specialist	68347 (0.70)	68347 (0.70)	68347 (0.70)	68347 (0.70)
<i>STAFF COST SUB- TOTAL</i>	146598	146598	146598	164846
<u>SERVICES</u>				
Satellite Segment	96067	96067	96067	96067
Annual Maintenance	29307	40000	40000	40000
Message-Switch	30000	30000	30000	30000
SUB TOTAL	155374	166067	166067	166067
<u>COST OF DEPRECIATED CAPITAL</u>				
- Existing	73000			
- Two Way	90500	90500	0	0
SUB-TOTAL	163500	90500	0	0

Two-Way system Expansion	0	0	17500	17500
(see Note 2)				
<u>TOTAL FOR UKMO SADIS</u>	£465472	£403165	£330165	£348413
TABLE 2				
<u>NATS GATEWAY</u>	Year 2001 Projected Costs at 2001 prices	Year 2002 Projected Costs at 2001 prices	Year 2003 Projected Costs At 2001 prices	Year 2004 Projected Costs at 2001 prices
Operational Staff Support: Air Traffic Services Assistant	0	11250	45000	45000
Engineering Staff Support: Systems Engineer	0	3750	15000	15000
SADIS Administration Support	0	3125	12500	12500
SUB TOTAL	0	18125	72500	72500
Communication Link to UKMO	0	1750	7000	7000
System maintenance	0	2500	10000	10000
SUB TOTAL	0	4250	17000	17000
<u>COST OF DEPRECIATED CAPITAL</u>				

<u>CAPITAL</u>				
OPMET Gateway Function	0	8500	34000	34000
<u>TOTAL FOR GATEWAY</u>	0	30875	123500	123500
CAA Admin	18000	18000	18000	18000
ICAO Admin	20000	20000	20000	20000
UNITED KINGDOM SADIS TOTAL	503472	472040	491665	509913

Note 1. The introduction of BUFR coded SIGWX and SIGMETS, if required by the ICAO Regions to be sent to the UK message-Switch, will require some expansion to the help desk requirement

Note 2 . The expansion of the two-way system will have an impact on hub costs at the SADIS up-link. The values for this expansion have been reduced to reflect the requirements identified in the Strategic Planning Tables developed for the SADISOPSG.

APPENDIX F
ESTIMATED COST SHARES FOR THE PERIOD 1 JANUARY TO 31 DECEMBER 2001 *

STATES	1999 Available Tonne-Kilometers in Scheduled Services (000)	Percentage Cost Share	Share of 2001 Estimated Costs (£ Sterling)
Algeria	401 554	0.207%	1 039.79
Armenia	145 000	0.075%	375.47
Austria	2 625 828	1.350%	6 799.37
Azerbaijan	198 703	0.102%	514.53
Bahrain	616 191	0.317%	1 595.58
Belgium	3 562 368	1.832%	9 224.47
Botswana	12 027	0.006%	31.14
Brunei Darussalam	665 356	0.342%	1 722.89
Bulgaria	338 807	0.174%	877.31
Cameroon	115 715	0.060%	299.63
China **	30 728 076	15.804%	79 567.91
Congo	94 156	0.048%	243.81
Côte d'Ivoire	123 342	0.063%	319.38
Croatia	123 838	0.064%	320.67
Cyprus	465 598	0.239%	1 205.63
Czech Republic	514 377	0.265%	1 331.94
Democratic People's Republic of Korea	54 798	0.028%	141.90
Denmark	1 239 631	0.638%	3 209.93
Egypt	2 229 087	1.146%	5 772.04
Estonia	78 514	0.040%	203.31
Federal Republic of Yugoslavia	67 112	0.035%	173.78
Finland	1 828 523	0.940%	4 734.82
Gabon	413 713	0.213%	1 071.28
Georgia	55 617	0.029%	144.02
Germany	23 320 829	11.994%	60 387.44
Ghana	331 006	0.170%	857.11
Greece	1 790 509	0.921%	4 636.38
Hungary	644 438	0.331%	1 668.72
India	4 335 579	2.230%	11 226.64
Indonesia	2 723 382	1.401%	7 051.98
Italy	8 340 730	4.290%	21 597.66
Jordan	949 884	0.489%	2 459.65
Kenya	464 464	0.239%	1 202.69
Kuwait	1 348 480	0.694%	3 491.78
Lebanon	501 452	0.258%	1 298.47

APPENDIX F (cont'd)

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ESTIMATED COST SHARES FOR THE PERIOD 1 JANUARY TO 31 DECEMBER 2001 *

STATES	1999 Available Tonne-Kilometers in Scheduled Services (000)	Percentage Cost Share	Share of 2001 Estimated Costs (£ Sterling)
Malta	415 078	0.213%	1 074.81
Mauritius	874 439	0.450%	2 264.29
Mongolia	71 293	0.037%	184.61
Morocco	1 301 823	0.670%	3 370.97
Namibia	121 552	0.063%	314.75
Netherlands	14 995 182	7.712%	38 828.83
Nigeria	184 598	0.095%	478.00
Oman	698 858	0.359%	1 809.64
Pakistan	2 460 742	1.266%	6 371.90
Portugal	1 998 432	1.028%	5 174.78
Romania	486 673	0.250%	1 260.20
Russian Federation	9 095 804	4.678%	23 552.86
Saudi Arabia	5 646 080	2.904%	14 620.08
Senegal	88 097	0.045%	228.12
Seychelles	179 124	0.092%	463.83
South Africa	5 406 384	2.781%	13 999.40
Sri Lanka	973 065	0.500%	2 519.67
Swaziland	5 194	0.003%	13.45
Sweden	2 115 159	1.088%	5 477.04
Switzerland	7 499 736	3.857%	19 419.97
Thailand	7 401 306	3.807%	19 165.09
Tunisia	477 959	0.246%	1 237.64
Turkey	3 010 969	1.549%	7 796.67
Turkmenistan	115 000	0.059%	297.78
Ukraine	337 799	0.174%	874.70
United Arab Emirates	4 233 086	2.177%	10 961.24
United Kingdom	32 081 509	16.500%	83 072.51
Viet Nam	710 604	0.365%	1 840.05
TOTAL	194 434 229	100.000%	503 472.00

* Excludes Least Developed Countries exempted, States for which the access to SADIS is not operational and States which refused to accede to the SADIS Agreement.

** China's share includes:

- Hong Kong: 12 313 947 000 ATKs corresponding to a share of 2001 estimated costs of £ 31 885.98
- Macau: 229 907 000 ATKs corresponding to a share of 2001 estimated costs of £ 595.33

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