

AGREEMENT

on the Sharing of Costs of
the Satellite Distribution System for
Information Relating to Air Navigation



*Approved by the Council of the International Civil Aviation Organization on 24 November 2000
(Annexes amended by SCRAG/1 to SCRAG/26, last amended on 3 December 2025)*

AGREEMENT

**on the Sharing of Costs of
the Satellite Distribution System for
Information relating to Air Navigation**

WHEREAS the Council of the International Civil Aviation Organization on 6 March 2000 decided that effective 1 January 2001 all States receiving the service provided by the Satellite distribution system for information relating to air navigation (SADIS) shall participate in the SADIS Cost Allocation and Recovery (SCAR) arrangement, hereinafter referred to as the SCAR arrangement, thereby rendering null and void the *Agreement on the Voluntary Sharing of Costs of the Satellite Distribution System for Information relating to Air Navigation* as of that date;

The undersigned Civil Aviation Administrations or other such entities as may be designated by States, hereinafter referred to as the Parties,

HAVE AGREED AS FOLLOWS:

Article I

Definitions

For the purpose of this Agreement:

Council means the Council of the International Civil Aviation Organization

Group means SCRAG

Organization means the International Civil Aviation Organization

SADIS means the Satellite distribution system for information relating to air navigation

SCAR arrangement means the SADIS Cost Allocation and Recovery (SCAR) arrangement

SCRAG means the SADIS Cost Recovery Administrative Group

Secretary General means the Secretary General of the International Civil Aviation Organization or the officer(s) designated by that person to act on his/her behalf with regard to this Agreement.

Article II

Objective

The objective of this Agreement is for the Parties to establish and administer a mechanism to share in an equitable and fair manner the costs of providing, operating and maintaining the SADIS as approved by the Council, the services of which are described in Annex I to this Agreement.

Article III

Obligations of the Parties

1. The United Kingdom, as the provider State, shall provide, operate and maintain the SADIS and do so in conformity with all relevant ICAO standards and recommended practices and in accordance with relevant recommendations and decisions approved by the ICAO Council or other authorized ICAO body.

2. Each Party receiving the SADIS service, including the United Kingdom, but excluding the Parties referred to under Article IV, shall pay its share of the costs of providing, operating and maintaining the SADIS as attributable to it in accordance with Article XI.

Article IV

Exemptions

Any Party receiving the SADIS service and which falls within the group of States defined by the United Nations as “least developed countries (LDCs)” shall, unless it chooses not to, be exempt from paying its share of the respective costs as far as it remains in that situation.

Article V

Facilities and personnel required

The facilities and personnel required by the United Kingdom fully or in part for the purpose of providing, operating and maintaining the SADIS are listed in Annex II to this Agreement.

Article VI

Liability

None of the Parties shall be liable for any damages or losses, physical or financial, inflicted as the consequence of failures and/or omissions in the provision, operation and maintenance of the SADIS.

Article VII

Administration

1. 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 reassessments 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.
2. 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 current assessments, SCRAG shall elect its chairman from among its members.
3. Only those Parties which participate in the SCAR arrangement are eligible to serve on the SCRAG.

4. The United Kingdom, in its capacity as the SADIS provider State, shall participate in the SCRAG as an observer. Furthermore, the International Air Transport Association (IATA), as a representative of user interests, shall be invited to participate as an observer. The Chairman of the SADIS Operations Group (SADISOPSG) shall be invited to participate as an observer as needed to provide information on the technical efficacy of the SADIS services provided and on the inventory of the facilities and services falling under the SCAR arrangement.
5. Each member Party of the SCRAG shall have one vote, and when voting is required, decisions by the Group shall be arrived at by simple majority; however, when the votes are equally divided, the Chairman's vote shall prevail.

Article VIII

Support services provided by the Secretary General

Support services for the SCRAG specifically attributable to administering the SCAR arrangement shall be performed by the Secretary General, the costs of which shall be included in the costs to be shared amongst the Parties participating in the arrangement.

Article IX

Determination of costs

1. The costs to be shared among the Parties shall be the full costs to the United Kingdom of employing fully or in part the facilities and personnel listed in Annex II to this Agreement for the purpose of providing, operating and maintaining the SADIS, including depreciation of assets and cost of capital and an appropriate amount for administration.
2. The United Kingdom shall furnish the SCRAG through the Secretary General, on or before 15 September of each year, estimates, expressed in pounds sterling or any successor currency that may become legal tender in the United Kingdom, of the costs of the SADIS for the following calendar year for approval by the Group. The estimates shall be drawn up in accordance with Annex III to this Agreement.
3. The United Kingdom shall furnish to the SCRAG on or before 30 June of each year, a statement of the actual costs of the SADIS, expressed in pounds sterling or any successor currency that may become legal tender in the United Kingdom, for the previous calendar year.
4. Pursuant to Article VII, paragraph 1 b), the SCRAG shall subject such statements of actual costs of the SADIS to such audit and other examination as the Group deems appropriate and shall furnish to the Parties a report of the audit or examination.

Article X

Limitations on cost increases

Increases in the costs to the United Kingdom of operating the SADIS in any one year over and above the rate of inflation in the United Kingdom as measured by the Retail Price Index (RPI) shall not be recoverable under this Agreement unless agreed upon in writing by Parties responsible for not less than ninety per cent of the assessments. These limitations do not apply if the increases over and above the rate of inflation are solely attributable to the approved costs of new services added in that year to the services provided under the SADIS.

Article XI

Determination of cost share of each Party

1. Each Party as encompassed by Article III, paragraph 2, shall be assessed a share of the total costs of the SADIS arrangement in proportion to the total number of available tonne-kilometres (ATKs) in scheduled services (international and domestic) performed by air carriers based in the territory of the State of that Party. The share of each Party shall be calculated from the total number of ATKs performed by all air carriers based in the territory of the State of that Party as a percentage of the total number of such ATKs performed by all air carriers of all the Parties participating in the arrangement. The total costs to be shared shall include the costs attributable to the Parties exempted from paying.
2. On or before 1 November of each year, the Secretary General shall with regard to each Party furnish the SCRAG with the total number of ATKs performed in scheduled services (international and domestic) in the preceding calendar year by air carriers based in the territory of the State of that Party.
3. The assessments for year n shall be calculated on the basis of the cost estimates for that year as approved by the SCRAG and ATKs as provided with regard to each Party by the Secretary General for year $n-2$. The cost basis for the assessments in year n shall, however, first be adjusted upwards or downwards as the case may be by the amount by which the total estimated costs for year $n-2$ were below or above the approved actual costs for that year. Likewise the assessment of each Party shall be adjusted to take into account any difference between the amounts paid by it under this Agreement as advances for year $n-2$ and its share as determined on the basis of actual ATKs and approved actual costs in year $n-2$.
4. Any under-recovery of costs for year n arising from the failure of a Party to pay the SADIS cost share attributable to it for that year shall be added to the total SADIS costs to be shared for year $n+2$. Any subsequent remittance by the Party concerned to offset the consequential debt shall be deducted from the total costs to be shared for the year following that in which the remittance was received.
5. Pursuant to Article VIII and Annex III to this Agreement, the costs of the support services provided by the Secretary General shall be added to the costs to be shared.

Article XII

Collection by SADIS provider

1. The SCRAG shall communicate to the United Kingdom as the SADIS provider State on or before 1 December each year the approved estimated assessments for each Party adjusted as provided for in Article XI and authorize their collection by the United Kingdom, which thereupon may proceed to issue the invoices to each Party for its respective assessment as adjusted.
2. The invoices and payments made shall be in pounds sterling or any successor currency that may become legal tender in the United Kingdom.
3. On 1 January each calendar year or within one month of the date of invoice, each Party, or the entity or agent it designates, shall pay to the United Kingdom the amount assessed on it as provided for in paragraph 1 of this Article.
4. The payments that are due to the Secretary General pursuant to Article VIII above shall be remitted by the United Kingdom as the SADIS provider State to the Secretary General on 1 May each year.
5. 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 SCRAM, with the approval of the Parties.

6. The United Kingdom shall keep proper accounts of the billings and collections under this Agreement.

Article XIII

Failure to pay

Failure by a Party receiving the SADIS service to pay its share of the costs of providing the service (other than a Party exempted in accordance with Article IV) shall lead to the service to that Party being withdrawn at the end of the calendar year in which payment was due. The service shall not be re-instated until the Party concerned has fully settled its debt.

Article XIV

Recovery of costs from users

It is the prerogative of each Party to decide whether or not to recover the assessment it has paid under this Agreement from users (aircraft operators). Such cost recovery by a Party shall, however, in so far as it applies to international civil aviation, be in conformity with the principles and practices set out in the *Convention on International Civil Aviation* (Doc 7300) and *ICAO's Policies on Charges for Airports and Air Navigation Services* (Doc 9082).

Article XV

Reporting to Parties

On or before 30 September each year or more frequently if required, the SCRAM shall submit a report to the Parties on its activities in the preceding year and other relevant issues.

Article XVI

Settlement of disputes

Any dispute relating to the interpretation or application of this Agreement which is not settled by negotiation between the Parties involved shall, upon request of any of these Parties, be referred to the Council of the International Civil Aviation Organization for its recommendation.

Article XVII

Amendments

1. Any proposal for an amendment of this Agreement may be initiated by a Party, directly or through the planning and implementation regional group for the air navigation region within which the Party is located, or by the Council. The proposal shall be communicated in writing to the Secretary General who shall circulate it to all the Parties with the request that they advise the Secretary General formally whether or not they agree to it.
2. Adoption of an amendment shall require the agreement of two-thirds of all the Parties that have paid their share of the costs of providing the SADIS service.

3. An amendment so adopted shall enter into force for all Parties on 1 January of the year following the year in which formal written acceptances of the amendment have been received by the Secretary General from two-thirds of all the Parties that have paid their share of the costs of providing the SADIS service.
4. The Secretary General shall send certified copies of each amendment as adopted to all the Parties and shall notify them of any acceptances and of the date of entry into force of any amendment.
5. The SCRAG may amend the Annexes to this Agreement, subject always to the terms and conditions of the Agreement and the consent of the United Kingdom as the SADIS provider.

Article XVIII

Accessions and withdrawals

1. This Agreement shall be open to accession by the civil aviation administration or other such designated entity of any State being served by the SADIS. Accession shall be effected by notice in writing to that effect given to the Secretary General by the head of the civil aviation administration or other such designated entity in the State concerned.
2. Any Party may withdraw from participation in this Agreement on 31 December in any year by notice in writing to that effect given to the Secretary General not later than 1 January of that year by the Party concerned.

Article XIX

Termination

1. a) This Agreement may be terminated by the United Kingdom as the SADIS provider State on 31 December in any year by notice in writing given to the Secretary General not later than 1 January of that year.
 - b) If at any time it proves impossible for the United Kingdom to perform the services within the limit determined pursuant to the provisions of Article X, the United Kingdom shall immediately notify the Secretary General in writing of such fact and shall furnish to the SCRAG through the Secretary General a detailed estimate of the additional amount required. The SCRAG shall promptly examine such estimate and, after any necessary consultation with the United Kingdom, determine the amount needed in excess of the aforesaid limit. The SCRAG shall then approach the Parties with a view to obtaining their consent as required pursuant to the provisions of Article X. Unless, within three months after the SCRAG has determined the additional amount required, the Group notifies the United Kingdom that the Parties have given their consent, the United Kingdom may thereafter terminate this Agreement on three months' notice in writing given to the Secretary General.
 - c) This Agreement may be terminated on 31 December in any year by Parties other than the Civil Aviation Authority of the United Kingdom responsible for assessments in the aggregate of not less than two-thirds of the limit determined pursuant to the provisions of Article X by notice in writing given to the Secretary General not later than 1 January of that year.
2. Upon receipt of a notice or notices of desire to terminate this Agreement in accordance with paragraph 1 of this Article, the Secretary General shall notify the Parties.

Article XX

Entry into force

This Agreement, and its Annexes which form an integral part thereof, shall enter into force on 1 January 2001.

ANNEX I

SADIS SERVICES

(2024-2025)

Note.— A glossary of abbreviations as used in this Annex is provided at the end of the Annex.

1. Internet based FTP and API services

Products available on SADIS:

- a) distribution of WAWS upper-air forecasts in GRIB2 code form;
- b) distribution of WAWS SIGWX forecasts in BUFR code form;
- c) distribution of WAWS SIGWX forecasts in PNG chart form;
- d) distribution of OPMET information in alphanumeric format (METARs, TAFs, SIGMET, special AIREPs, volcanic ash advisories, tropical cyclone advisories and space weather advisories) from those regions whose OPMET information is needed to satisfy approved requirements in the regions served by SADIS;
- e) distribution of OPMET information in IWXXM format (METARs, TAFs, SIGMET, AIRMET, volcanic ash advisories, tropical cyclone advisories and space weather advisories) from those States who are distributing their data internationally via the Regional Opmet Centres;
- f) distribution of meteorological information in graphical format (e.g. Volcanic Ash Graphics).

Note: Detailed descriptions are contained within the SADIS User Guides

2. Collection service

- a) collection of OPMET information by the SADIS Gateway from States in accordance with approved requirements stated by PIRGs and actioned by Meteorological Operations Working Group (WG-MOG/SADIS);
- b) monitoring, validation and repair of data received at the SADIS Gateway to the required standards, for the provision of real-time scheduled reports and for off-line quality control analysis.

3. Back-up service

The recognised back-up to failure of the SADIS service is via the USA administered, WAWS Information File Service (WIFS). SADIS users are encouraged to arrange back-up accounts with the WIFS provider via <https://aviationweather.gov/wifs/>.

Note 1: - Usage restrictions apply. Further information is provided in the SADIS User Guides

Note 2: - It is the responsibility of the SADIS FTP user to arrange and test back-up accounts with WIFS.

4. User support service

- a) 24-hour help line/faults desk;
- b) dissemination of administrative messages, including amendments to bulletin headers given in the SADIS User Guide (Parts 1 and 2).

5. Connection to SADIS

Two versions of SADIS are in operation

The SADIS FTP has a more limited selection of WAFS gridded data sets, the T+24 SIGWX products, and OPMET data. Digital Signatures and Digital Certificates are used to confirm data integrity and authenticity of the data.

The SADIS API is a SWIM compliant API which uses the Open Geospatial Consortium Environmental Data Retrieval framework to deliver the full WAFS gridded and multi timestep SIGWX data sets as well as OPMET data. The API adheres to the EUROCONTROL SWIM Yellow Profile technical specification, and access is controlled by secure OAuth2 authentication.

6. Fair Use of SADIS Products

- a) The use of SADIS is continually monitored to ensure the volume of data being downloaded is not excessive and does not impede the operation of the SADIS Servers;
- b) A user who is responsible for >10% of the total volume of data being downloaded from SADIS FTP Server in a single week will be considered as excessive usage;
- c) Users of the SADIS API are subject to a daily cap in the number of data requests that can be made;
- d) If users are deemed to be excessively downloading data then the SADIS Manager will contact the user with a request to the use to reduce the volume data being downloaded. The SADIS Manager may at their discretion, limit or terminate access to the SADIS FTP server without recourse to the user if the excessive use continues.

7. Security

- a) The SADIS systems will be continually monitored for lawful security purposes;
- b) Users are not permitted to share passwords or API authentication credentials and are responsible for keeping these secure;
- c) The SADIS Manager reserves the right to suspend or terminate a user's access to SADIS if the obligations set out in 6b, 6d, 7b or the SADIS API licence agreement has resulted or is likely to result in an increased risk to security of the SADIS FTP Server;
- d) The SADIS Manager reserves the right to restrict access to the SADIS systems in the event of a security threat and users acknowledge that access to the SADIS systems may be restricted or unavailable until such time the security threat has been resolved.

Glossary of abbreviations

| | |
|----------------------|--|
| <i>API</i> | <i>Application Programming Interface</i> |
| <i>BUFR</i> | Binary Universal Form for the Representation of meteorological data (code) |
| <i>FTP</i> | File Transfer Protocol (Internet based) |
| <i>GRIB2</i> | Gridded binary edition 2 (code) |
| <i>IWXXM</i> | The ICAO Meteorological Information Exchange Model is a data format for reporting aviation weather information in XML/GML format |
| <i>METAR</i> | Routine aviation weather report in code form |
| <i>METP</i> | Meteorology Panel |
| <i>OPMET</i> | Operational meteorological (information or data) |
| <i>PIRG</i> | ICAO planning and implementation regional group |
| <i>PNG</i> | Portable Network Graphics (image format) |
| <i>SADIS</i> | Secure Aviation Data Information Service |
| <i>SADIS FTP</i> | Internet based provision of SADIS |
| <i>SADIS Gateway</i> | The United Kingdom message-handling system which receives data from the Aeronautical Fixed Service for transmission on SADIS |
| <i>SADISOPSG</i> | SADIS Operations Group. Tasked with the oversight of SADIS until its dissolution in 2015. Superseded by Meteorological Operations Working Group (WG-MOG) under the Meteorology Panel (METP). Reference retained for historical purposes. |
| <i>SIGMET</i> | Information of specified en-route weather phenomena which may affect the safety of aircraft operations |
| <i>SIGWX</i> | Significant weather |
| <i>SWIM</i> | System Wide Information Management |
| <i>TAF</i> | Aerodrome forecast in code form |
| <i>WAFS</i> | World area forecast system |
| <i>WG-MOG</i> | The oversight of the SADIS service is undertaken by the Meteorological Panel (METP) which has tasked Met Operations Group (WG-MOG/SADIS) to carry out this responsibility, each year they meet to ensure the service is meeting the users needs. |

ANNEX II

SADIS INVENTORY

(2024-2025)

The inventory items identified below cover the equipment and staffing required to provide, operate and maintain the Secure Aviation Data Information Service (SADIS). The inventory includes: communications circuits, communications back-up system, procured services, and staff. It should be noted that some equipment items form part of a wider infrastructure. Costs of some individual items cannot be separated from the required infrastructure that includes a significant part of the development of the software and technical configuration. The inventory is in accordance with the SADIS User Guide.

1. EQUIPMENT

A. Key components of SADIS infrastructure and communications circuits

SADIS infrastructure consists of the following:

i) **Solely procured for SADIS (major components)**

NIL – SADIS FTP and SADIS API operates primarily on cloud infrastructure

ii) **Not procured principally for SADIS**

- a) Met Office Message switch (MetSwitch): routes data to the operational FTP service;
- b) NATS SADIS gateway function software (developed specifically for the gateway as part of the NATS CoreMet system);
- c) Met Office operational monitoring software;

Note. — This enables the operational monitoring of the SADIS FTP service and ensures problems can be identified and resolved in a timely manner.

- d) Met Office Service Desk equipment;

B. SADIS data back-up system

The recognised back-up for SADIS FTP in the event of a failure is via the USA administered, WAFS Information File Service (WIFS). The recognised back-up for SADIS API is the WIFS API. SADIS users are encouraged to arrange back-up accounts with the WIFS provider via <https://aviationweather.gov/wifs/>.

Note 1: - Usage restrictions apply. Further information is provided in the SADIS User Guides

Note 2: - It is the responsibility of the SADIS user to arrange and test back-up accounts with WIFS.

2. PROCURED SERVICES

A. Amazon Web Services (AWS) elements used by the Met Office in the operation of SADIS FTP:

| AWS Service | Specification | Quantity | What the service is used for: |
|---------------------|--|----------|--|
| EC2 | t3.medium 2* vCPU (Intel Xeon Platinum 8000 series) 4 GiB Memory Network Bandwidth: ≤5Gbps; EBS Bandwidth ≤1.50 Gbps) | 2 | 2* FTP Server and |
| S3 | N/A | 14 | Data ingestion; data storage; data egress; large data store; logging and reporting. |
| DynamoDB | 3x Table | 3 | Stores incoming TAC and IWXXM reports as well as information needed WAFS data report compilation |
| Route53 | N/A | 1 | DNS |
| Lambda | N/A | N/A | Various Serverless Functions used for the following: data debatch; concatenate and sign; packaging IWXXM data; logging; reporting; alerting; housekeeping. |
| Cloudwatch | N/A | N/A | Log Aggregation |
| NAT Gateway | N/A | 1 | Access |
| VPC | N/A | 1 | |
| Kinesis Data Stream | N/A | 1 | Log Entry Routing |
| Kinesis Firehose | N/A | 2 | |

B. Amazon Web Services (AWS) elements used by the Met Office in the operation of SADIS API:

| AWS Service | Quantity | What the service is used for: |
|---------------------------|-----------------------------|---|
| Route53 | 5 | DNS |
| CloudFront | 6 | CDN - Caching of assets at edge locations to enable efficient data transfer to end users |
| CloudWatch | 61 alarms, 10 dashboards | Log Aggregation; Alerts; Dashboards |
| API Gateway | 5 | User Auth and Auth provision; API request handling |
| SNS | 33 | Monitoring; data ingest; data egress |
| SQS | 81 | Monitoring; data ingest; data egress; DLQs, |
| AWS Certificate Manager | 2 | Certificate provider for Route53 |
| S3 | 46 | Data ingestion; data storage; data egress; archiving; logging and reporting. |
| Lambda | 78 | Query executor and builder; response generator; archiving Various Serverless Functions used for: fetching files via pre-signed url; logging; reporting; alerting; authentication; data ingestion; pre-signed url generation; packaging data; data debatch; concatenate and sign; |
| AWS Secrets Manager (SSM) | 6 | Configuration |
| DynamoDB | 6 x Table | Storage of incoming OPMET reports (and multi-part bulletins) ready for processing |
| EventBridge Rule | 53 | Used to trigger Lambdas. |
| EventBridge Schedule | 14 | Used to trigger Lambdas |
| EventBridge Pipe | 3 | Used to trigger Step Functions |
| Step Functions | 6 | To orchestrate workflows |
| SSM | 141 | Configuration |
| VPC | 1 | To support security requirements |
| Security Groups | 2 | To allow SFTP transfer in and out to be restricted |
| Elastic IPs | 4 | To give static IPs that can be whitelisted |

Note: The figures shown represent the final number of services required for the full provision of the SADIS API until November 2028.

C. NATS Gateway function:

- i) Communication circuits between Met Office and NATS infrastructure site; and
- ii) System maintenance.

3. ANNUAL STAFF REQUIREMENTS

A. Met Office

i) First Line Support

| <i>Help Desk</i> | <i>Skill</i> |
|---|----------------------------------|
| 1. Service desk (first point of contact) enquiries | Incident Management and customer |

Note.— The Service Desk acts as a first point of contact for all inquiries, including those concerning the OPMET Gateway function. Complex inquiries will be passed to a relevant expert. Experts are available either on a 24-hour rota basis, or as a daytime support with limited on-call capability.

ii) Second Line Support

| <i>24-hour IT Operations support</i> | <i>Skill</i> |
|--|--|
| 1. Shift Leader (ITCS) 2. Networks Incident Manager (NIM) | Technical Supervisor, incident handling Service Continuity, system monitoring |

iii) Third and Fourth Line Support

| <i>Normal working hours support and “best endeavors”</i> | <i>Skill</i> |
|--|---------------------------------------|
| 1. Message Switching Manager | Incident handling, server adjustments |
| 2. Message Switching Staff | Incident handling and account changes |
| 3. AWS Technical Support | AWS expertise, support and guidance |

iv) Additional support

| <i>Day support</i> | <i>Resource</i> |
|--|--|
| 1. Administrator | 138 staff-days of senior stakeholder relationship manager (SADIS manager) |
| 2. International aviation management | 14 staff-days of aviation business head |
| 3. Contract procurement and management | 4 staff-days of senior procurement manager |
| 4. Invoice Administration | 20 staff-days of finance assistant and 8 staff-days of senior finance manager |

B. NATS infrastructure site – Data Services (OPMET Gateway function)

Note 1. —Data Services provide the OPMET Gateway function, which is provided from a single operational site, but with a full capability at an alternative site. Staff are available either on a 24-hour basis, or as a daytime support with on-call capability.

Note 2. — The resource demand to provide the SADIS Gateway service is the standard required staff days needed to provide the SADIS service. It comprises 6 watches providing the H24 element of the service and day support administrative staff. The cost recovery NATS submits to the SCRAG will represent actual staff-days required to provide the service.

| <i>Role and Responsibilities</i> | <i>Resource</i> |
|---|--------------------------|
| 1. Operational Staff - Operational Staff relates to the H24 function in ROC LONDON. Monitor, validate, record & report on issues raised through the SADIS Gateway operation. | 521 staff-days per annum |
| 2. Engineering Staff - Engineering Staff includes the duties carried out by the Engineering Day support team and an H24 engineers for the support of SADIS. | 20 staff-days per annum |
| 3. Administration Staff - The Administration Office carries out the documentation creation and amendments, adaptation changes, investigations and meeting attendance of the SADIS Gateway operation. | 63 staff-days per annum |

C. Bought-in services

Additional support and maintenance agreements with third parties are in place to provide additional third line AWS support of the SADIS services.

ANNEX III

FINANCIAL ISSUES

GENERAL

1. Determination of any costs to be recovered under the SCAR arrangement must be carried out in conformity with the ICAO policies and principles stated in the *Convention on International Civil Aviation* (Doc 7300) and its Annexes, and *ICAO's Policies on Charges for Airports and Air Navigation Services* (Doc 9082).
2. Where facilities or personnel are only used partially to provide SADIS, the cost share attributable to SADIS shall be correspondingly reduced.

CHARGEABLE COSTS

1. The costs which the United Kingdom as the SADIS provider State may charge under this Agreement are set out hereunder:

- a) *Cost of operation and maintenance*

These refer to personnel costs (including direct remuneration, pension contributions, social security costs, etc.), power, supplies, services contracted or procured and other costs of operation and maintenance.

- b) *Administrative costs*

Costs incurred in administering SADIS, including invoicing and collection of payments, and in preparation of reports to the SCRAM.

- c) *Depreciation* shall not exceed:

Building space: 5 per cent a year

Furniture and fittings: 10 per cent a year

Communication equipment: 20 per cent a year

Note 1. — The residual value of a fixed asset disposed of shall be charged to depreciation in the year the disposal takes place. Also, the proceeds from a disposal, if any, shall be deducted from the total estimated costs to be shared amongst the Parties as calculated in the year when the disposal took place, unless this occurs after the calculation of the assessments in which case the proceeds shall be applied against the assessments in the following year.

Note 2. — In the event this Agreement is terminated, the United Kingdom may, to the extent it is unable to reallocate any fixed asset(s) to other use, charge the undepreciated portion of the asset(s) concerned to the costs recoverable from the participating States in the last year the Agreement remains in force.

d) *Cost of capital*

This falls into two basic categories. The first is the interest on debt capital (other than equity). The second is the appropriate cost of capital applied to equity. The latter would be defined as fixed and net current assets minus long-term debt. The rate to be applied either would be set by an independent economic regulator appointed by the United Kingdom Government or should be derived from the average government bond rate in the United Kingdom for the preceding year.

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 United Kingdom for short-term loans it may negotiate to finance its own operations.

PRESENTATION OF ACCOUNTS

1. The format and detail of the presentation of the accounts by the United Kingdom as the SADIS provider State shall be determined by the SCRAG.
2. An inventory of assets should also be maintained showing for each major asset or group of assets: original value, depreciation charged in the current year, total accumulated depreciation and net depreciated value at the end of the year.

COSTS OF SUPPORT SERVICES PROVIDED BY THE SECRETARY GENERAL

Estimates of the total costs of the support services provided by the Secretary General for year n shall be provided by the Secretary General for inclusion in the estimated assessments of the costs of the SADIS for that year. The actual costs of the support services provided by the Secretary General in year n shall be presented after their audit by the Organization’s external auditor.

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