

SADIS COST RECOVERY & ADMINISTRATIVE GROUP (SCRAG)

TWENTY-FIFTH MEETING

(Virtual Meeting, 3 December 2024)

2023 ACTUAL SADIS COSTS

(Presented by the United Kingdom)

REFERENCES

SADIS Agreement
SCRAG Reports 1-21
METP WG-MOG/3 Report
METP WG-MOG/4 Report
METP WG-MOG/6 Report
METP WG-MOG/10 Report
METP WG-MOG/13 Report
METP WG-MOG/15 Report
METP WG-MOG/18 Report
METP WG-MOG/22 Report
METP WG-MOG/26 Report

1. INTRODUCTION

- 1.1 Article IX of the SADIS Agreement identifies that the United Kingdom shall furnish on or before 30 June of each year, a statement of the actual costs of the SADIS, expressed in pounds sterling, for the previous calendar year. These costs are identified in table 1 and 2 at the end of this document.
- 1.2 The format of the table is similar to that provided for previous years and is consistent with information provided in the SADIS Inventory.

2 DISCUSSION

- 2.1 Notes relate to the actual costs for 2023 and forecast costs for 2024

a. Message Switch

These charges related to the routing of data through into SADIS FTP, but are no-longer a separate charge, and from 2023 onwards there is no cost attributed to this.

b. SADIS FTP AWS server running costs

The cost of operating SADIS FTP using Amazon Web Services (AWS) Cloud computing reflects all the individual elements that make up SADIS and has been optimised to minimise costs. The decrease in running costs in 2024 compared to 2023 is attributable to the removal of the 1.25 degree WAFS hazard data sets (in January 2024) and system optimisation.

c. SADIS API running costs

The cost of operating the new SADIS API, hosted on AWS cloud computing infrastructure, for each of the three elements that make up the service. The elements providing WAFS gridded data and OPMET data became operational on 19 March 2024, and the WAFS SIGWX part will become operational in February 2025.

d. First Line Support costs

This includes 24x7 incident handling functions (call and e-mail) provided by the Met Office Service Desk. A support sum is allocated ahead of each year, but final totals for the year will reflect on how well SADIS operated that year.

e. Second Line Support

This includes 24x7 system monitoring and incident handling functions to ensure the timely resolution of any SADIS operating problems. A support sum is allocated ahead of each year, but final totals for the year will reflect on how well SADIS operated that year. From 2024 onwards a larger share of the support is picked up by third and fourth line support.

f. Third and Fourth Line Support

This includes incident investigation and resolution as well as the administration of SADIS user accounts and data routing. Fourth line support includes using the expertise of the developers who built current incarnation of SADIS in the AWS environment. A support sum is allocated ahead of each year, but final totals for the year will reflect on how well SADIS operated that year.

g. Additional support

Administrative and professional support is provided by the specified staff functions for administering the SADIS service, and for cost recovery processes.

h. Travel Costs

Actual travel and subsistence costs for Met Office staff to attend appropriate Met Panel Working Groups (Meteorological Operations Group, WG-MOG, in relation to SADIS) and SCRAG meetings are included here. In 2023 the MOG meeting was held in Kansas City, USA, whilst in 2024 it was held in Exeter, United Kingdom.

i. Cost of Capital

Cost of capital for 2023 has been calculated using the revised methodology applied in 2008 and described in SCRAG/10 WP/13.

j. Administrative costs (bank charges, couriered invoices etc)

Following SCRAG Conclusion 14/7, this item includes costs relating to the processing of invoices (usually when administration charges reduce the amount actually received by the SADIS Provider by a small amount), or the cost of couriered invoices where normal surface mail is unreliable.

2.2 Notes on SADIS Gateway Costs

k. NATS gateway costs

The NATS SADIS Gateway Costs are as described in SCRAG19 - WP/16 and were simplified for future NATS gateways costs.

l. Other costs

System maintenance relates to the systems used to manage the OPMET data flow to SADIS.

m. T&RE

This covers travel costs that relate to the 2023 and 2024 WG-MOG SADIS and SCRAG meetings.

2.3 Notes on CAA and ICAO Administration Costs

n. CAA Administration Costs

This encompasses Met Authority Regulatory oversight and, if appropriate travel costs that relate to the 2023 and 2024 SCRAG meetings.

o. ICAO Administration costs are detailed in WP/4.

3 ACTION

3.1 The SCRAG/25 is requested to note the cost information provided by the United Kingdom and approve for these costs to be recovered from States within the Cost Recovery Scheme.

APPENDIX

TABLE 1: 2023 and 2024 Met Office SADIS Costs							
			2023	2023	2023	2024	2024
INVENTORY REF:	Note	DESCRIPTION	Actual (Jan-Dec)	Revised Estimate (SCRAG24)	Estimate (SCRAG23)	Revised Estimate (SCRAG25)	Estimate (SCRAG24)
UK MET OFFICE COSTS							
1. Equipment							
Not procured principally for SADIS							
message switch	a		0	3,000	4,500	0	3,000
SADIS FTP AWS Server running costs	b		51,404	52,200	53,000	35,000	50,000
SADIS API OPMET running costs	c		-		6,000	14,000	15,000
SADIS API WAFS Gridded data running costs	c		-	500		34,000	38,000
SADIS API WAFS SIGWX running costs	c		-	-	-	0	1,000
		Equipment sub total	51,404	55,700	63,500	83,000	107,000
3. Annual Staff Requirements							
Operating Support							
	d	First Line Support	4,837	4,950	5,000	2,600	5,500
	e	Second Line Support	4,864	11,236	12,000	2,700	15,000
	f	Third and Fourth Line Support	13,714	13,643	15,000	10,700	25,000
4. Additional Support							
Administrator	g	Executive Officer	69,150	72,000	67,000	70,000	73,500
International Aviation Management	g	Aviation Manager	8,400	8,800	8,500	8,500	9,000
Contract Procurement and Management	g	Senior Procurement Officer	1,700	1,780	1,700	1,700	2,000
Invoice Administration	g	Finance Officer & Business Acct	12,700	13,500	13,500	13,000	14,000
5. Travel Costs							
	h	METP-WG/MOG meetings & SCRA	1,900	2000	3,000	0	500
		Staff Requirement and travel sub tot	117,265	127,909	125,700	109,200	144,500
Administrative costs							
	i	Cost of Capital	21,183	19,800	17,000	21,500	20,000
	j	Admin charges	199	201	400	200	400
		Total UKMO Costs	190,051	203,610	206,600	213,900	271,900
TABLE 2: 2023 and 2024 NATS, ICAO and CAA Costs							
			2023	2023	2023	2024	2024
INVENTORY REF:	Note	DESCRIPTION	Actual (Jan-Dec)	Revised Estimate (SCRAG24)	Estimate (SCRAG23)	Revised Estimate (SCRAG25)	Estimate (SCRAG24)
3. NATS Gateway Costs							
Staff Costs							
Operational Staff	k	Air Traffic Services Asst.	256,525	256,525	256,525	261,699	261,699
Engineering Staff	k	Maintenance Engineer	8,669	8,669	8,669	8,624	8,624
Administration Staff	k	Administration Officer	35,260	35,260	35,260	36,387	36,387
		Staff Costs sub total	300,454	300,454	300,454	306,710	306,710
Other Costs							
System Maintenance	l		10,209	10,209	10,209	10,745	10,745
T&RE	l		0	0	3,500	1,684	1,684
		Total NATS Gateway Costs	310,663	310,663	314,163	319,139	319,139
4. CAA Administration Costs							
	m		0	0	1,000	0	1,000
5. ICAO Administration Costs							
	n		36,475	35,000	32,500		29,804
		TOTAL SADIS COSTS	537,189	549,273	554,263	533,039	621,843