SADIS COST RECOVERY & ADMINISTRATIVE GROUP (SCRAG)

SEVENTH MEETING

(Bangkok, 1ˢᵗ and 2ⁿᵈ November 2006)

Estimates for SADIS Backup Enhancement

(Presented by the United Kingdom)

REFERENCES
SADISOPSG/11 Report

1.   INTRODUCTION

1.1   At SADISOPSG/11 a paper was presented in which the various alternatives for the provision of an effective back-up service in the event of the loss of WAFC London were examined. The paper proposed that the installation of an ISCS/2 receiver on NATS premises would permit a comprehensive backup system without the need for direct coordination between the Provider State and Washington during any period of contingency. In the event of a failure which prevented WAFC London from providing data, it is proposed that the SADIS Gateway would connect directly to the SADIS Uplink site via a domestic ISDN connection. On this connection it would continue to provide a quality controlled OPMET feed as well as re-routing GRIB, T.4 (if appropriate) and BUFR data.

1.2   Conclusion 11/12 of SADISOPSG requested the SADIS Provider State to produce an estimate of the costs of provisioning this service to SCRAG. Item b) of the conclusion required that the Provider State ensure that BUFR data (with the EGRR header) be made available to SADIS users either through the ISCS/2 or an alternative method during periods of contingency. It has been confirmed with NOAA that BUFR encoded SIGWX charts are re-headed with EGRR instead of KKCI during back-up periods. The only difference is in the BUFR file section that identifies the originator or the message. These messages are then promulgated on the ISCS/2 broadcast. This does require contact with Washington to enable this process but is preferable to the current situation which requires technical coordination to raise the back up ISDN link between Washington and Whitehill . This technical coordination has proven to be a problem during numerous attempts to test the back-up system.

2.   **ESTIMATED COSTS**

2.1   The estimated costs for the set up of the proposed back up system area as follows:-

a) **ISCS Procurement & Installation**
ISCS Equipment & Services provided by Verizon (budgetary estimate)

One Prodelin 2.4m C-Band Antenna
One Baird Non-Penetrating Mount
One Hughes LNB
One Comtech IP Modem with L-Band interface
One Miscellaneous (Wave Dehydrator, Coax Connectors, Install mat.
One APC 450 VA UPS

PRICE: $ 3,400 Shipping Cost
               $12,240 IP Receive only system
               $ 9,000 Installation

b) **Project Costs**

These costs cover the management of the installation and the quality and safety procedures associated with the installation as well as testing and integration tasks including the production of procedures and internal cabling.

NATS Costs
It has been estimated that the project will require 30 man days of effort at a cost of £10,000 and internal contractor costs of around £4,000.

UKMO Costs
The re-engineering of the ISDN connection at Whitehill is expected to cost £2,000.

2.2   The ongoing costs are as follows:-

a) ISDN Costs
£600 per annum

b) Management & Engineering
£650 per annum

2.3   Assuming an exchange rate of £1 to $1.875 the total set up costs would be £29,141 with an annual cost of £1,250.

3   **ACTION**

3.1   The SCRAG/7 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.