



WORKING PAPER

SATELLITE DISTRIBUTION SYSTEM OPERATIONS GROUP (SADISOPSG)

THIRTEENTH MEETING

Dakar, Senegal, 27 to 29 May 2008

Agenda Item 9: Any other business

CESSATION OF THE SADIS 1G SATELLITE BROADCAST SERVICE

(Presented by the SADIS Provider State)

SUMMARY

This working paper addresses an earlier SADISOPSG Conclusion 9/15 related to the provision of the SADIS 1G satellite broadcast service until 31 December 2008, and invites on the group to consider whether to cease the SADIS 1G broadcast on this date, in view of a number of factors including the implementation and operation of SADIS 2G.

1. INTRODUCTION

1.1 The group will recall that, in 2004, it formulated SADISOPSG Conclusion 9/15, related to the implementation of the SADIS second generation (SADIS 2G) broadcast system. In particular, part a) 2) of Conclusion 9/15 invited the SADIS Provider State to continue the operation of SADIS 1G until 31 December 2008.

1.2 This paper invites the group to consider whether to cease the SADIS 1G broadcast on 31 December 2008, in view of a number of factors, including the implementation and operation of SADIS 2G.

2. SADIS 2G IMPLEMENTATION AND OPERATION

2.1 The SADIS 1G broadcast system has been in operation since the mid-1990's. Since the implementation of the SADIS 2G broadcast system in 2004, all existing SADIS 1G users have been advised to consider upgrading their SADIS receiving equipment to accept SADIS 2G, and all prospective new satellite broadcast users have been advised to procure a SADIS 2G receiving system.

2.2 Constant progress has been made by ICAO Contracting States to migrate to the SADIS 2G broadcast; replies to the SADIS Operational Efficacy Questionnaire demonstrate (WP/03 and WP/09

refer) that within the ICAO EUR and MID Regions, 63% and 56% of States within these respective ICAO Regions have migrated to SADIS 2G. However, implementation within the AFI and ASIA regions is in the order of 29% and 43%, respectively. These percentages are correct as of 03 March 2008.

2.3 The responses to the questionnaire also indicated that there had been a significant increase in the implementation of SADIS 2G by States over the past 12 months when compared to the previous year. Furthermore, of those States with users still accessing SADIS 1G, the vast majority indicated that they intend to upgrade their receiving systems to accept the SADIS 2G service before the end of 2008.

2.4 The comparatively low level of implementation of SADIS 2G within the AFI region (and, in part, the ASIA region) is for the group to take note of when determining whether SADIS 1G should cease on, or soon after, 31 December 2008. Given the fact that, by the end of 2008, all member States will have been afforded *in excess of* 4 years to migrate from a SADIS 1G to a SADIS 2G receiving system, the group may consider that sufficient time has been allowed already for states to migrate to SADIS 2G.

2.5 Furthermore, it should be noted that whilst the SADIS 1G uplink infrastructure has been very reliable in service, its continued service in 2009 and beyond could *not* be guaranteed by the SADIS Provider State. Continuation of SADIS 1G into 2009 would lead to ongoing message switching and maintenance costs of £48,753 per annum.

2.6 As detailed in the SADIS Management Report (2007-2008), within the past 12 months, the SADIS 2G service had suffered from data packet losses. However, the measures that the SADIS Provider State has taken to overcome the difficulties appears to have eradicated the losses.

3. UTILISATION OF SADIS FTP AS AN INTERIM MEASURE

3.1 Any approved SADIS satellite users (in the AFI region or elsewhere) who have not migrated to a SADIS 2G VSAT receiving system before the end of 2008 will be able to make use of the operational SADIS FTP service to obtain SADIS data.

3.2 In light of the proposals for enhancements to the SADIS FTP service (WP/21 refers), including dual server capability that (subject to endorsement) could be delivered by the end of 2008, it would make sense that any users who have not migrated from SADIS 1G to SADIS 2G by the end of 2008 should utilise SADIS FTP until such a time that they have procured a SADIS 2G receiver system.

4. CONCLUSIONS

4.1 Noting that 31 December 2008 falls during a traditional holiday period of many SADIS receiving States, including the United Kingdom, the SADIS Provider State recommends that it would be advantageous to determine a cessation date that would ensure that all normal-working hours support staff are available to manage the reconfiguration of SADIS 1G hub infrastructure.

4.2 In view of the above discussion, the group is invited to formulate the following draft conclusion:

Decision 13/.. – Cessation of the SADIS 1G broadcast service

That, in view of the implementation of the SADIS 2G broadcast service, the SADIS Provider State be invited to terminate the SADIS 1G satellite broadcast service between 1 and 31 January 2009.

Note 1.— The exact cessation date will be agreed with ICAO and promulgated by way of ICAO State Letter and SADIS administrative messages (NOUK10 EGRR) at least 6 months in advance of the change; and

Note 2.— Any SADIS 1G users who have not migrated to SADIS 2G by the cessation date are to consider utilisation of the SADIS FTP service until they have procured a SADIS 2G VSAT receiving system.

5. ACTION BY THE SADISOPSG

5.1 The SADISOPSG is invited to:

- a) note the information in this paper; and
- b) decide on a draft conclusion proposed for the group's consideration.

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