

APPENDIX B

SUMMARY OF QUESTIONNAIRE RESPONSE

State	No. of VSATs						Overall Assessment of VSAT				WAFS SIGWX				24 Hr Help Desk	
		Signal Quality Prob- lems	Data Availability			Admin. Messages Adequate	VSAT	Faults			BUFR Conver- sion	PNG Format	Impl. SADIS 2G		Did you use?	OK?
			GRIB	BUFR	OPMET			Local Techni- cian	Return- ed	Ship- ping Prob- lem						
Overall Assessment of SADIS	2	4 a)	4 b) i)	4 b) ii)	4 b) iii)	4 c)	5 a)	5 b) i)	5 b) ii)	5 b) i) ii)	6	7	8		9	
Name	No.	Y/N	G/A/P	G/A/P	G/A/P	Y/N	G/A/P	X or “-”	X or “-”	Y/N	Y/N	Y/N	Y/N	Year	Y/N	Y/N
Azerbaijan	-	N	G	G	G	Y	G	X	-	-	N	N	Y	-	N	-
Bahrain	1	N	G	G	G	Y	G	-	X	N	Y	Y	N	April 2008	N	-
Belgium	2	Y	P	A	G	Y	G	-	-	-	Y	N	Y	-	Y	N
Benin	1	N	G	G	G	Y	G	X	-	-	N	Y	Y	-	N	-
Bulgaria	1	N	G	G	G	Y	G	-	-	-	Y	Y	Y	-	N	-
Burkina Faso	1	N	G	G	G	Y	G	X	-	-	N	N	Y	-	N	-
Cameroon	1	N	A	G	G	Y	G	-	-	-	Y	N	N	-	N	-
Central African Republic	1	N	A	G	G	Y	G	X	-	-	N	Y	Y	-	N	-
Chad	1	N	G	G	A	Y	G	-	-	-	N	Y	Y	-	N	-
China	2	N	G	G	G	Y	G	-	X	Y	Y	Y	N	July 2008	Y	Y
China, Hong Kong	2	N	G	G	G	Y	G	-	X	N	Y	Y	Y	-	Y	Y
Congo	1	N	G	G	G	N	G	-	-	-	N	Y	Y	-	N	-

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		Signal Quality Prob- lems	Data Availability			Admin. Messages Adequate	VSAT	Faults			BUFR Conver- sion	PNG Format	Impl. SADIS 2G		Did you use?	OK?	
			GRIB	BUFR	OPMET			Local Techni- cian	Return- ed	Ship- ping Prob- lem							
Overall Assessment of SADIS	2	4 a)	4 b) i)	4 b) ii)	4 b) iii)	4 c)	5 a)	5 b) i)	5 b) ii)	5 b) i) ii)	6	7	8		9		
Name	No.	Y/N	G/A/P	G/A/P	G/A/P	Y/N	G/A/P	X or “_”	X or “_”	Y/N	Y/N	Y/N	Y/N	Y/N	Year	Y/N	Y/N
Cote d’Ivoire	1	Y	G	G	G	Y	A	X	-	-	Y	Y	N	-	N	-	
Croatia	1	N	G	A	G	Y	P	X	-	-	Y	Y	N	December 2008	Y	Y	
Cyprus	1	Y	-	-	-	-	-	-	X	N	-	-	N	February 2008	-	-	
Czech Republic	1	N	G	G	G	Y	G	-	-	-	Y	N	Y	-	N	-	
Egypt	1	N	G	G	G	Y	G	X	-	-	N	Y	Y	-	N	-	
Estonia	2	N	A	G	G	N	G	-	X	N	Y	Y	Y	summer 2008	N	-	
Equatorial Guinea	1	N	G	G	G	Y	G	-	-	-	Y	N	Y	-	N	-	
Finland	3	N	A	G	G	Y	A	-	-	-	Y	N	Y	-	Y	Y	
Gabon	1	N	G	G	G	Y	G	-	-	-	N	N	Y	-	N	-	
Gambia	1	-	-	-	-	-	-	-	-	-	-	-	N	Third quarter 2008	N	-	
Germany	1	N	A	G	A	Y	A	-	-	-	Y	Y	Y	-	Y	N	
Ghana	1	N	G	G	G	Y	G	X	-	-	N	Y	Y	-	N	-	
Greece	2	N	G	G	G	Y	G	-	-	-	Y	N	N	early 2008	Y	Y	
Italy	2	N	G	G	G	Y	G	X	-	-	Y	Y	Y	-	N	-	
Latvia	1	N	A	A	G	Y	G	-	X	N	Y	Y	Y	-	N	-	
Malaysia	1	Y	G	G	G	Y	G	X	-	-	Y	N	N	-	N	-	
Mali	1	N	G	G	A	Y	G	-	-	-	N	Y	Y	-	N	-	

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State	No. of VSATs	Signal Quality Prob- lems	Data Availability				Admin. Messages Adequate	Overall Assessment of VSAT			WAFS SIGWX		Impl. SADIS 2G		24 Hr Help Desk	
			GRIB	BUFR	OPMET	VSAT		Faults			BUFR Conver- sion	PNG Format	Impl. SADIS 2G	Did you use?	OK?	
								Local Techni- cian	Return- ed	Ship- ping Prob- lem						
Overall Assessment of SADIS	2	4 a)	4 b) i)	4 b) ii)	4 b) iii)	4 c)	5 a)	5 b) i)	5 b) ii)	5 b) i) ii)	6	7	8		9	
Name	No.	Y/N	G/A/P	G/A/P	G/A/P	Y/N	G/A/P	X or “_”	X or “_”	Y/N	Y/N	Y/N	Y/N	Year	Y/N	Y/N
Mauritania	1	N	G	G	G	Y	G	-	-	-	N	N	N	-	N	-
Nepal	1	N	G	G	G	Y	G	X	-	-	Y	Y	Y	-	Y	Y
Netherlands	2	N	A	A	A	Y	G	-	-	-	Y	N	Y	-	Y	Y
Niger	2	N	G	G	G	N	G	-	-	-	Y	Y	N	-	N	-
Nigeria	1	N	G	G	G	Y	G	X	-	-	N	Y	Y	-	N	-
Oman	2	N	G	G	G	Y	G	-	X	N	Y	Y	Y	-	N	-
Poland	1	N	A	G	A	Y	G	-	-	-	N	Y	Y	-	N	-
Portugal	2	Y	A	A	A	Y	G	-	-	-	Y	N	N	Second half 2008	N	-
Republic of Moldova	1	N	G	-	G	Y	G	-	-	-	N	Y	N	February 2008	N	-
Romania	1	N	G	G	G	Y	G	X	-	-	Y	Y	Y	-	Y	Y
Russian Federation	1	N	G	G	G	Y	G	-	-	-	Y	Y	Y	-	N	-
Senegal	1	N	G	G	G	Y	A	X	-	-	Y	Y	N	2008	N	-
Serbia	2	N	G	G	G	Y	G	-	-	-	Y	N	Y	-	N	-
Sri Lanka	1	N	G	G	G	Y	G	-	-	-	N	N	Y	-	N	-
Sweden	2	N	G	G	G	Y	G	-	-	-	Y	N	N	December 2008	Y	Y
Switzerland	2	Y	A	A	A	N	A	-	-	-	Y	N	Y	-	Y	N
Syria	2	N	G	G	G	Y	G	X	-	-	Y	Y	Y	-	Y	Y

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Name	No.	Y/N	G/A/P	G/A/P	G/A/P	Y/N	G/A/P	X or “-”	X or “-”	Y/N	Y/N	Y/N	Y/N	Year	Y/N	Y/N
Togo	1	N	G	-	G	Y	G	-	-	-	N	N	N	Not known	N	-
Turkey	1	N	G	G	G	N	G	-	X	N	Y	Y	Y		N	-
Ukraine	1	Y	G	G	G	Y	G	-	-	-	Y	Y	Y	-	N	-
United Kingdom	8	N	G	G	G	N	G	-	-	-	N	Y	N	-	Y	Y
TOTALS	73	Y-6 N-42	G-37 A-10 P-1	G-40 A-6 P-0	G-41 A-7 P-0	Y-42 N-6	G-42 A-5 P-1	15	8	Y-1 N-7	Y-31 N-17	Y-30 N-18	Y-33 N-17	-	Y-14 N-36	Y-11 N-3
50 States		N/A-2	N/A-2	N/A-4	N/A-2	N/A-2	N/A-2	N/A-2			N/A-2	N/A-2				

REMARKS:

Bahrain

6. Supplier: IES

Belgium

4a) No problem with reception, but many periods with problems at UK uplink side resulting in missing data.

4b)i) See question 4a); many GRIB run with missing messages.

4b)ii) Missing BUFR messages from time to time, probably also due to uplink problems.

4b)iii) Not systematically checked as these are in parallel received via AFTN.

6. Supplier: Netsys Int'l (Pty) Ltd; Package: FlightMan.

9. We get quick feedback, but most of the time no solution; e.g., "the SADIS2G problem continues and is unlikely to be fixed soon" does not help us much further.

Benin

10. SADIS 1G receiver out of operation 10.10.07. Sent to Dakar for repair. Back in service 18.12.07. SADIS 2G receiver not received yet.

Bulgaria

6. ATSA staff

Burkina Faso

Improved reception since the implementation of SADIS 2G.

Cameroon

4a). Normally good signal.

4b) Sometimes missing data on the upper-wind charts

4b)ii) Some maps damaged or completely black.

6. Supplier: COROBOR. Package: MESSIR SADIS.

10. Distribution very good and regular. Problems related to decoding software.

Central African Republic

6. Problems (cabling and receiver) repaired by local technician.

9. Distribution of wind/temp/humidity data average. Temperature data available only on 850 hPa between 30 October-mid-December 2007.

10. Installation of SADIS 2G with the antenna constituted a clear improvement as far as the availability of OPMET and quality of service are concerned.

REMARKS:

Chad

- 4b)iii) Except for some centres, HSSS, HAAB, DNKN, DNMM, FKRR.
- 10. Reception excellent except some centres in eastern and western Africa.

China

- 6. Supplier: Developed by ourselves

China, Hong Kong

- 6. Supplier: GIS meteo; Package: MapMaker
- 10. Technical problem with 2G upgrade resolved after downloading the “Configurator” software from the Vados website and applying the correct configuration settings for the VadEDGE output ports.

Croatia

- 4b)ii) Double text boxes for some regions appear often.
- 5a) The reception was interrupted often.
- 5b)II LNB and receiver exchanged with spares.
- 6. Supplier: COROBOR Package: MESSIR

Czech Republic

- 5b) No faults developed on the VSAT receiving equipment during the period under review.
- 6. Supplier: IBL Software Engineering Germany/Slovakia; Package: Aero weather.
- 7b) PNG format through the SADIS FTP service is a good back-up and it would be useful to keep it beyond the trial period as a regular service.

Egypt

- 5b) Local technicians coordinate with the local agency.

Equitorial Guinea

- 1+0. In order to optimize SADIS FTP representation, the purchase of receivers and the allocation of IP addresses as a function of the location should be coordinated.

REMARKS:

Finland

- 4a) Heavy snow fall lowers the signal level and 1G seems to be more tolerable than 2G.
- 4bi) In transmission some thchnical problems.
- 4c) Most of the time.
- 6. Supplier: COROBOR Package: MESSIR-AERO 2G..

Gabon

- 5b) No problems in 2007.
- 10. Some short interruptions during 2007, which has slightly affected the operational system.

Gambia

- 4a) SADIS 1G at Bia was not operating during the period mentioned above.
- 10. Due to hard disk problem our SADIS 1G was not operating during the above-mentioned period.

Ghana

- 4c) There was no panic when service or products were unavailable.
- 5b) Software related.
- 10. The SADIS footprint has greatly enhanced our service delivery.

Latvia

- 4b) i) ii) Due to error in SADIS 2G Satellite demodulation Radyne DD2401
- 5b) Error in receiving software (Satellite demodulator Radyne DD2401) was repaired by VADOS with Paradigm Communication cooperation.
- 6. Supplier: SWDI
- 10. During 2007 SJSC “Latvijas Gaisa satksme” was used WAFC charts received via SADIS ftp server. BUFR decoding software is on test mode.

Malaysia

- 4a) The SADIS Uconix receiver system malfunctioned and was not able to receive data since 26 November 2007.
- 6. Supplier: COROBOR Systems MESSIR AERO Package: V 6.40.0.2-5CK
- 7. No plans to implement.

Mali

- 10. Interruption of reception during September/October 2007

REMARKS:

Nepal

- 5b) Old LNB and wires were changed and new one installed.
- 6. Supplier: COROBOR
Package: MESSR AERO

Netherlands

- 4b)i) There have been occasional problems.
- 4b)iii) Some CSN numbers are missing per day.
- 6. Supplier: COROBOR; Package: Paradigm
- 9. Problems in receiving products are known by the SADIS Provider State.

Niger

- 5b) No problems
- 6. SIGWX low-level.
- 10. Good functioning of SADIS with the exception of some problems in the vertical cross-section of winds.

Nigeria

- 5b)i) Occasional reorientation of antennae.

Oman

- 6. Supplier: IBL software Engineering Package: Aero Weather

Poland

- 4b) Message sequence is often interrupted, messages are lost at several locations at the same time.
- 4b)iii) Several outages and data losses, sequence interruption.
- 4c) Direct notification via e-mail is highly accepted.
- 10. Currently SADIS 2G has a low operational reliability, too many outages and data losses during November/December 2007 and January 2008.

Portugal

- 4a) During this period we experienced some trouble with the signal quality affecting the OPMET, GRIB and BUFR streams
- 6. Supplier: NETSYS International Package: NSWS/Charts

REMARKS:

Republic of Moldova

- 5b) We had no necessity in repairing of the equipment until now.
- 8. After upgrade of the software for BUFR, we intend to implement the SADIS 2G reception within 3-4 months.

Romania

- 5a) Three situations when reception on channel 3 was lost temporarily.
- 5b)i) Re-configuration of the MEGAPAC(2.3) switch
- 6. Supplier: COROBOR systems Package: MESSIR Vision

Russian Federation

- 6. Supplier: MapMakers Group Ltd; IRAM Package: SIG Meteo; MeteoExpert
- 9. Three receivers of systems SADIS-I (e.e. Vrakovo, Domodedovo. Sheremeryevo airports are in repair since 2003.

Senegal

- 4a) Wind/temperature forecasts often not received or received incomplete both in SADIS broadcasts and on the SADIS FTP.
- 4b)i) Some interruption in the reception.
- 4b)ii) Numerous interruptions during the extraction from the SADIS FTP website, SADIS 2G not installed.
- 4b)iii) SIGMET from MWOs in ACCRA and CONAKRY not received.
- 5a) SADIS 1G in use, SADIS 2G not yet available.
- 6. Supplier: COROBOR MS 2G.
- 8. SADIS 2G under procurement by ASECNA , software already available.

Serbia

- 6. Supplier: COROBOR Package: MetAIS version 2.1

Sri Lanka

- 4a) SADIS 2G was commissioned in January 2007. Until then SADIS 1G which was installed in Sri Lanka was unserviceable.

Sweden

- 6. Supplier: NETSYS; Package: MetAIS version 2.1.

REMARKS:

Switzerland

- 4 a)b) Broadcast data loss.
- 4c) Often no proactive action by the provider.
- 5a) Data loss problem not caused by the equipment
- 6. Supplier: Developed by MeteoSwiss. Package: TrialChart
- 9. Often not aware of broadcast problem by the provider, therefore, also seen as a user problem.

Syria

- 10. The SADIS is very good for weather forecasts.

Togo

- 8. We do not have a SADIS 2G receiver yet.

Turkey

- 6. Supplier: IBL software engineering. Package: BRIB and BUFR decoder and display packages.

Ukraine

- 6. Supplier: COROBOR Package: MESSIR VISION

United Kingdom

- 4c) Introduction of UK Met Office e-mail service has made this better.
- 8. A number of users are using SADIS 2G in trial mode at present.
- 10. There appears to have been a lot of problems with SADIS 2G delivery over the last couple of months. Hopefully this will be sorted before 1G is switched off. SIGWX in BUFR is extremely usefull to us as we use it in several of our aviation products including overlaying CAT areas on routs plats. We also actively use the ISGWX in PNG format and would like to see the production of these continue past the trial phase.
