APPENDIX H

UPDATED ANNEX 4 TO THE SADIS USER GUIDE

ANNEX 4 — WAFS FORECASTS DISSEMINATED ON SADIS

1. T4 CHARTS

1.1 Upper-air wind and temperature

Regional areas	*Area of coverage code (ANP) (Chart projection)*	*Validity Times T+18/T+24*	*Flight levels*	*Abbreviated Header TTAAii T1T2A1 A2 ii*
North Atlantic **NAT**	H (Polar Stereographic)	06,12,18,00	050	P W A D/E 85 EGRR
			100	P W A D/E 70 EGRR
			180	P W A D/E 50 EGRR
			240	P W A D/E 40 EGRR
			300	P W A D/E 30 EGRR
			340	P W A D/E 25 EGRR
			390	P W A D/E 20 EGRR
			450	P W A D/E 15 EGRR
			530	P W A D/E 10 EGRR
			610	P W A D/E 07 EGRR
Europe-Asia **MID**	H (Polar Stereographic)	06,12,18,00	050	P W C D/E 85 EGRR
			100	P W C D/E 70 EGRR
			180	P W C D/E 50 EGRR
			240	P W C D/E 40 EGRR
			300	P W C D/E 30 EGRR
			340	P W C D/E 25 EGRR
			390	P W C D/E 20 EGRR
			450	P W C D/E 15 EGRR
			530	P W C D/E 10 EGRR
Europe-Africa **EURAFI**	C (Mercator)	06, 12, 18, 00	050	P W R D/E 85 EGRR
			100	P W R D/E 70 EGRR
			180	P W R D/E 50 EGRR
			240	P W R D/E 40 EGRR
			300	P W R D/E 30 EGRR
			340	P W R D/E 25 EGRR
			390	P W R D/E 20 EGRR
			450	P W R D/E 15 EGRR
			530	P W R D/E 10 EGRR
Europe-South America **EURSAM**	B (Tilted Mercator)	06, 12, 18, 00	050	P W D D/E 85 EGRR
			100	P W D D/E 70 EGRR
			180	P W D D/E 50 EGRR
			240	P W D D/E 40 EGRR
			300	P W D D/E 30 EGRR
			340	P W D D/E 25 EGRR
			390	P W D D/E 20 EGRR
			450	P W D D/E 15 EGRR
			530	P W D D/E 10 EGRR
Europe-	B1	06, 12, 18, 00	050	P W E D/E 85 EGRR

South America **EURSAM**	(Tilted Mercator)		100	P W E D/E 70 EGRR
			180	P W E D/E 50 EGRR
			240	P W E D/E 40 EGRR
			300	P W E D/E 30 EGRR
			340	P W E D/E 25 EGRR
			390	P W E D/E 20 EGRR
			450	P W E D/E 15 EGRR
			530	P W E D/E 10 EGRR
Indian Ocean **INDOC**	E (Mercator)	06, 12, 18, 00	050	P W G D/E 85 EGRR
			100	P W G D/E 70 EGRR
			180	P W G D/E 50 EGRR
			240	P W G D/E 40 EGRR
			300	P W G D/E 30 EGRR
			340	P W G D/E 25 EGRR
			390	P W G D/E 20 EGRR
			450	P W G D/E 15 EGRR
			530	P W G D/E 10 EGRR
Asia **ASIA**	D (Mercator)	06, 12, 18, 00	050	P W Z D/E 85 EGRR
			100	P W Z D/E 70 EGRR
			180	P W Z D/E 50 EGRR
			240	P W Z D/E 40 EGRR
			300	P W Z D/E 30 EGRR
			340	P W Z D/E 25 EGRR
			390	P W Z D/E 20 EGRR
			450	P W Z D/E 15 EGRR
			530	P W Z D/E 10 EGRR
Pacific ocean **PACIF**	I (Polar Stereographic)	06, 12, 18, 00	050	P W Y D/E 85 EGRR
			100	P W Y D/E 70 EGRR
			180	P W Y D/E 50 EGRR
			240	P W Y D/E 40 EGRR
			300	P W Y D/E 30 EGRR
			340	P W Y D/E 25 EGRR
			390	P W Y D/E 20 EGRR
			450	P W Y D/E 15 EGRR
			530	P W Y D/E 10 EGRR
European Area **EUR**	EUR Chart	06, 12, 18, 00	050	P W B D/E 85 EGRR
			100	P W B D/E 70 EGRR
			180	P W B D/E 50 EGRR
			240	P W B D/E 40 EGRR
			300	P W B D/E 30 EGRR
			340	P W B D/E 25 EGRR
			390	P W B D/E 20 EGRR
			450	P W B D/E 15 EGRR
			530	P W B D/E 10 EGRR
North and South America	A (Mercator)	06, 12, 18, 00	050	P W N D/E 85 EGRR
			100	P W N D/E 70 EGRR
			180	P W N D/E 50 EGRR

NAMSAM	240	P W N D/E 40	EGRR
	300	P W N D/E 30	EGRR
	340	P W N D/E 25	EGRR
	390	P W N D/E 20	EGRR
	450	P W N D/E 15	EGRR
	530	P W N D/E 10	EGRR

1.2 **SIGWX**

Regional Areas	*Area of coverage code (ANP)*	*Flight Levels*	*Abbreviated Header TTAAii T1T2A1 A2 ii*
NAT	H	FL 250-FL630	PGAE 06 EGRR
MID	G	FL 250-FL630	PGCE 06 EGRR
EUR	EUR	FL100-FL450	PGDE 15 EGRR
MEA	MEA	FL100-FL450	PGCE 15 EGRR
EURAFI	C	FL 250-FL630	PGRE 06 EGRR
EURSAM	B	FL 250-FL630	PGSE 06 EGRR
PACIF North Pacific	I (Part)	FL100-FL450	PGBE07 KKCI
PACIFIC North Pacific	F	FL100-FL450	PGGE07 KKCI
EURASIA	D	FL 250-FL630	PGZE06 EGRR
INDOC	E	FL 250-FL630	PGGE 06 EGRR
ASIA South	ASIA SOUTH (Mercator)	FL100-FL450	PGZE 15 EGRR
SIO	K	FL 250-FL630	PGKE 06 EGRR
AMERICAS	A	FL250-FL630	PGEE07 KKCI
NORTH PACIFIC	M	FL250-FL630	PGDE30 KKCI
SOUTH POLAR	J	FL250-FL630	PGJE07 KKCI

1.3 Volcanic ash trajectory and dispersion charts (VAG)

WMO headers

PFXB00 CWAO
PFXD00 CWAO
PFXG00 CWAO
PFXI00 CWAO
PFXB00 CWAO
PFXD00 CWAO
PFXG00 CWAO
PFXI00 CWAO
PHBE10 KWBC
PHBI10 KWBC
PURG00 LFPW
PVRE00 LFPW
PVRD00 LFPW
PUAG00 EGRR
PVAG00 EGRR

Note.— Additional VAG charts will be broadcast on SADIS as they become available.

2. FORECASTS IN NUMERICAL CODE FORMS

2.1 Upper-air temperature, wind and humidity in the GRIB1 code form

Period	AHLs
T+06	HH(I-P)B(85/70/60/50/40/30/25/20/15/10)
	HH(I-P)B(96)
	HH(I-P)B(97)
	HR(I-P)B(85,70,60,50)
	HT(I-P)B(85/70/60/50/40/30/25/20/15/10)
	HT(I-P)B(97)
	HU(I-P)B(85/70/60/50/40/30/25/20/15/10)
	HU(I-P)B(96)
	HV(I-P)B(85/70/60/50/40/30/25/20/15/10)
	HV(I-P)B(96)
	No. of Bulletins 392
T+12	HH(I-P)C(85/70/60/50/40/30/25/20/15/10)
	HH(I-P)C(96)
	HH(I-P)C(97)
	HR(I-P)C(85,70,60,50)
	HT(I-P)C(85/70/60/50/40/30/25/20/15/10)
	HT(I-P)C(97)
	HU(I-P)C(85/70/60/50/40/30/25/20/15/10)
	HU(I-P)C(96)
	HV(I-P)C(85/70/60/50/40/30/25/20/15/10)
	HV(I-P)C(96)
	No. of Bulletins 392

T+18 HH(I-P)D(85/70/60/50/40/30/25/20/15/10)
HH(I-P)D(96)
HH(I-P)D(97)
HR(I-P)D(85,70,60,50)
HT(I-P)D(85/70/60/50/40/30/25/20/15/10)
HT(I-P)D(97)
HU(I-P)D(85/70/60/50/40/30/25/20/15/10)
HU(I-P)D(96)
HV(I-P)D(85/70/60/50/40/30/25/20/15/10)
HV(I-P)D(96)

No. of Bulletins 392

T+24 HH(I-P)E(85/70/60/50/40/30/25/20/15/10)
HH(I-P)E(96)
HH(I-P)E(97)
HR(I-P)E(85,70,60,50)
HT(I-P)E(85/70/60/50/40/30/25/20/15/10)
HT(I-P)E(97)
HU(I-P)E(85/70/60/50/40/30/25/20/15/10)
HU(I-P)E(96)
HV(I-P)E(85/70/60/50/40/30/25/20/15/10)
HV(I-P)E(96)

No. of Bulletins 392

T+30 HH(I-P)F(85/70/60/50/40/30/25/20/15/10)
HH(I-P)F(96)
HH(I-P)F(97)
HR(I-P)F(85,70,60,50)
HT(I-P)F(85/70/60/50/40/30/25/20/15/10)
HT(I-P)F(97)
HU(I-P)F(85/70/60/50/40/30/25/20/15/10)

HU(I-P)F(96)

HV(I-P)F(85/70/60/50/40/30/25/20/15/10)

HV(I-P)F(96)

No. of Bulletins 392

T+36 HH(I-P)G(85/70/60/50/40/30/25/20/15/10)

HH(I-P)G(96)

HH(I-P)G(97)

HR(I-P)G(85,70,60,50)

HT(I-P)G(85/70/60/50/40/30/25/20/15/10)

HT(I-P)G(97)

HU(I-P)G(85/70/60/50/40/30/25/20/15/10)

HU(I-P)G(96)

HV(I-P)G(85/70/60/50/40/30/25/20/15/10)

HV(I-P)G(96)

No. of Bulletins 392

Note 1.— The T+06 and T+36 time steps are broadcast at around 0335/0935/1535/2135 UTC ending around 0430/1030/1630/2230 UTC;

Note 2.— Total number of bulletins is 1872 for all WAFS forecasts in the GRIB code form; and

Note 3.— Bulletins are not routinely repeated.

2.2 SIGWX in the BUFR code form

Note 1.— BUFR encoded high level SIGWX (SWH) bulletins are produced for all SIGWX forecasts that originate from WAFC London. WAFC Washington encoded high level SIGWX BUFR bulletins are not available for SADIS uplink at present. It is envisaged that the WAFC Washington bulletins will become available towards the end of 2003, or early 2004.

Note 2.— The WAFC London BUFR encoded SIGWX bulletins are available via Port 1 PVC3.

Issuance of SIGWX forecasts (all T+24) in the BUFR code form as follows:

Based on the model run at ..... (UTC)	*Issuance at ..... (UTC); nominal time in brackets*
0000	1000-1100 (1030)
0600	1600-1700 (1630)
1200	2200-2300 (2230)
1800	0400-0500 (0430)

WMO Header		*Description of bulletin content*
JUBE99	EGRR	EMBEDDED CB, T+24
JUCE00	EGRR	CAT, T+24
JUFE00	EGRR	FRONTS, T+24
JUNE00	EGRR	OTHER SIGWX PARAMETERS, T+24
JUOE00	EGRR	TURB IN CLOUD, T+24
JUTE00	EGRR	ICING, T+24
JUTE97	EGRR	TROPOPAUSE, T+24
JUVE00	EGRR	TROPICAL CYCLONES, SANDSTORMS,VOLCANOES, T+24
JUWE96	EGRR	JETSTREAMS, T+24

Note.— These bulletins are issued four times daily, and constitute 36 bulletins on the SADIS broadcast.

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