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INTERNATIONAL CIVIL AVIATION ORGANIZATION

AFI VOLCANIC ASH EXERCISE

EXERCISE DIRECTIVE

AFI VOLCEX EXERCISE 25/01



Official Name: The Barrier

Location: Latitude: 2.32°N, Longitude: 36.57°E

Elevation: 3,386 ft (1,032 m).

Area: Kenyan Rift Volcanic Province

Volcano number: 222030



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1.0: INTRODUCTION

- (i). A simulated volcanic eruption of The Barrier Volcano situated at the Southern end of Lake Turkana, Turkana County in the Rift Valley will erupt and produce volcanic ash with a plume reaching and affecting FL600 being transported in a North Easterly direction at 20KT between the SFC and FL160, Easterly direction at 10KT between FL130 and FL250, and in a westerly direction a wind of 20 Kts to affect air traffic services (ATS) routes between the surface and FL600 from 0900 UTC to 1500 UTC on 26 February 2026. The Barrier began as an active shield volcano but developed into a larger multi-vent volcanic complex over time;
- (ii). The simulated eruption will directly have a significant impact on ATS routes and airspace over the following FIRs/States; Nairobi FIR, HKNA (Kenya), Entebbe FIR, HUEC (Uganda), Kigali FIR, HRYR (Rwanda), Dar Es Salaam FIR, HTDC (Tanzania), Khartoum FIR, HSSS (South Sudan), Addis Ababa FIR, HAAA (Ethiopia) and Kinshasa FIR, FZAA (DR Congo).
- (iii). The Exercise Leader is Mr. Felix Odima, Principal Air Traffic Management Officer (PATMO – Nairobi ACC), Kenya Civil Aviation Authority (KCAA) supported by Ms. Esther Nyaga, Principal Air Traffic Management Officer (PATMO – Nairobi Approach), Kenya Civil Aviation Authority (KCAA). The duties of the Exercise Leader are specified in the AFI VOLCEX OPINS. The VOLCEX exercise shall not affect the normal Air Navigation Operations in the affected states, hence the dedicated staff will be expected to be available during the entire period of the exercise;
- (iv). The AFI Volcanic ash contingency plan (AFI VCAP) will be the contingency plan that is being tested during this exercise.

Note:

- a) *If one or more participants consider it difficult to continue this exercise due to severe events such as volcanic eruption or low pressure, they may advise the Exercise Leader to cancel the exercise. In response, the Exercise Leader in consultation with the participating agencies, will announce the cancellation where appropriate.*
- b) *For the exercise to run smoothly, the Exercise Leader must ensure that air-ground communications, ground-ground coordination as well as Internet connectivity are in good working conditions. Or else, he/she will have to assess the situation and decide whether to proceed or discontinue the exercise.*



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- (v). Exercise date and time (UTC): 26 February 2026, 09:00 UTC to 15:00 UTC;
- (vi). Pre-exercise Coordination Meeting: A series of pre-exercise coordination meetings will be scheduled. Notices for the meetings will be relayed through email;
- (vii). Exercise website: A dedicated website for the exercise is available at
 - (a). <https://www.icao.int/WACAF/Pages/VolcanicAexsg.aspx>;
 - (b). <https://www.icao.int/ESAF>
- (viii). Other useful websites include:
 - (a). <https://volcanoobservatory.uonbi.ac.ke/>
 - (b). <http://vaac.meteo.fr/>
 - (c). <https://www.wovodat.org>

2.0: LIST OF ABBREVIATIONS AND ACRONYMS

S/NO	Abbreviation	Full meaning
1	ACC	Area Control Centre
2	AFI	Africa-Indian Ocean Region
3	AFTN	Aeronautical Fixed Telecommunication Network
4	AIM	Aeronautical Information Management
5	AIREPs	Air Reports
6	AIS	Aeronautical Information Service
7	AMHS	ATS Message Handling System
8	AMO	Aerodrome Meteorological Office
9	ANS	Air Navigation Services
10	ANSP	Air Navigation Service Provider
11	ARO	ATS Reporting Office
12	ASHTAM	Special series NOTAM notifying, by means of a specific format, change in activity of a volcano, a volcanic eruption and/or volcanic ash cloud that is of significance to aircraft operations
13	ATM	Air Traffic Management
14	ATS	Air Traffic Services
15	BCC	Bulletin Compiling Centre
16	CNS	Communication, Navigation, Surveillance
17	D-ATIS	Digital Automatic Terminal Information Service
18	FIR	Flight Information Region
19	IATA	International Air Transport Association
20	MWO	Meteorological Watch Office



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21	NOF	International NOTAM Office.
22	NOTAM	A notice distributed by means of telecommunication containing information concerning the establishment, condition or change in any aeronautical facility, service, procedure or hazard, the timely knowledge of which is essential to personnel concerned with flight operations.
23	RCC	Rescue Coordination Centre
24	RODB	Regional OPMET Data Bank
25	SIGMET	Information concerning en-route weather phenomena which may affect the safety of aircraft operations
26	SVO	State Volcano Observatory
27	VA	Volcanic Ash.
28	VAA	Volcanic Ash Advisory.
29	VAAC	Volcanic Ash Advisory Centre.
30	VAG	Volcanic Ash Graphic.
31	VO	Volcano Observatory
32	VOLCEX	Volcanic Ash Exercise
33	VONA	Volcano Observatory Notice for Aviation



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3.0: PARTICIPATING AGENCIES/ORGANIZATIONS

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4.0: AIM AND OBJECTIVES

4.1 The aim of volcanic ash exercises in the AFI Region is to practice and develop inter-agency response to volcanic activity, in order to maintain regularity, efficiency and aviation safety in the event of a volcanic eruption.

4.2 The objectives of the ICAO AFI Volcanic Ash Exercises are listed below;

- a) Practice the conduct of volcanic activity response in accordance with the regional reference documents;
- b) Verify existing information, AIS and MET message routing on AFTN/AMHS addresses, relevant e-mail addresses, telephone and fax number, and internet addresses (URLs);
- c) Maintain appropriate information and message routing between all involved agencies and organizations;
- d) Provide volcanic activity response training for key personnel involved;
- e) Verify and develop existing procedures; and
- f) Provide, when appropriate, recommendations for amendment of the reference documents, in accordance with the lessons learned and conclusions contained in the Final Exercise Report.

4.3 The objectives of VOLCEX25/01 are as presented below;

- a) Demonstrate coordination procedures between all participating organizations/parties i.e. VO, MWOs, ATS Centres, NOF, BCC, RCC, AIS, RODBs (Pretoria/Dakar), VAACs Toulouse, Users;
- b) Timely distribution of messages that includes; VONA, SIGMET, NOTAM, ASHTAM, VAA, Special Air Report messages;
- c) Check and determine availability on the existing COM link/networks i.e. AMHS, AFTN, Radio link, D-ATIS etc.;
- d) Check and demonstrate efficiency of the state Local Contingency Committee preparedness during the exercise;
- e) Check the effectiveness of bilateral arrangements/agreements for provision of information between neighbouring States in case of a volcanic eruption;
- f) Demonstrate transmission of air-reports on volcanic ash in accordance with Annex 3 (Aircraft ->ACC ->MWO ->VAAC), and;
- g) Provide recommendations for amendment of the procedures on the basis of lessons learned and conclusions formulated.

5.0: EXERCISE DURATION

The exercise will be conducted on 26th February 2026. It will take 6 hours commencing at 09:00 UTC.

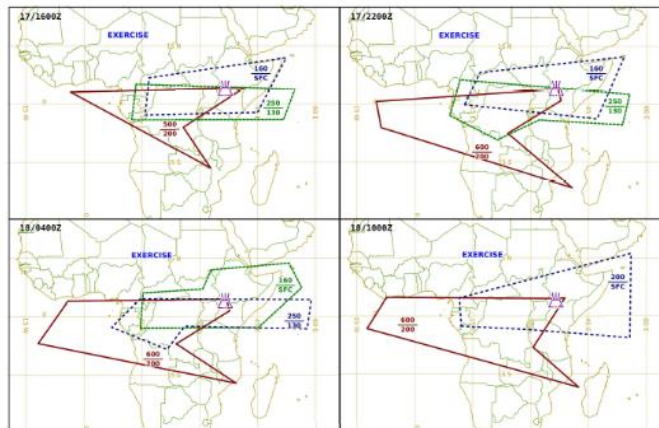
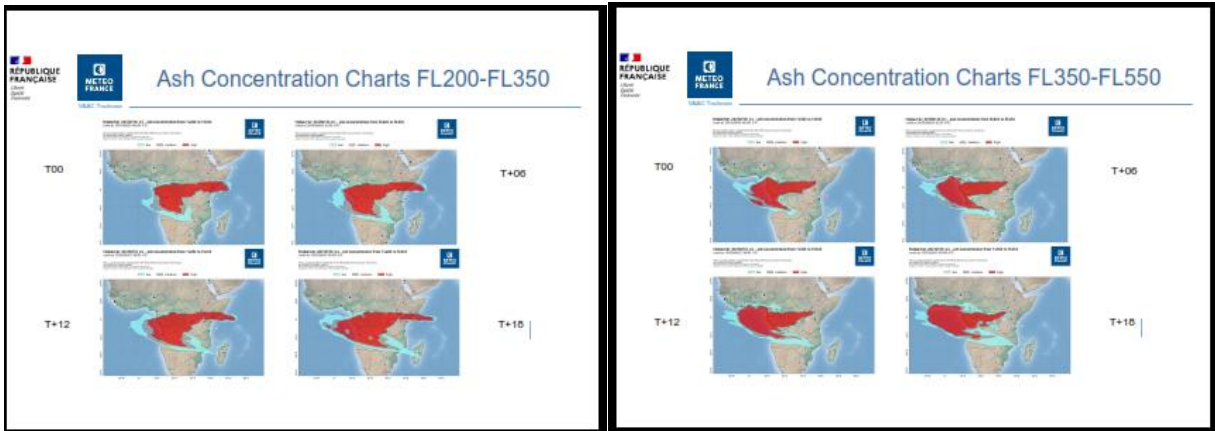
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6.0: EXERCISE VOLCANO

Official Name: The Barrier
 Location: Latitude: 2.32°N, Longitude: 36.57°E
 Elevation: 3,386 ft (1,032 m).
 Area: Kenyan Rift Volcanic Province
 Volcano number: 222030

7.0 EXERCISE SCENARIO

The scenario is illustrated in the following pictorials. The vertical extent is between the surface and FL600. Horizontally, the scenario is expected to impact six (6) states.



VOLCANIC ASH ADVISORY
 DTG:2025118/0937Z
 VAAC:TOKULNSR
 VOLCANO: THE BARRIER 222030
 AREA: KENYAN RIFT VOLCANIC PROVINCE
 SOURCE ELEV: 1032M

ADVISORY NR: 2025/1
 ZNPO SOURCE:EXERCISE
 AVIATION COLOUR CODE:RED
 ERUPTION DETAILS: ERUPTION AT 2025117/1600Z EXERCISE
 RPK: EXERCISE EXERCISE EXERCISE
 NKT ADVISORY:NO FURTHER ADVISORIES.



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8.0: REFERENCE MATERIALS

- 1) ICAO Annex 3 – Meteorological Service for International Air Navigation.
- 2) ICAO Annex 11 – Air Traffic Services.
- 3) ICAO Annex 15 – Aeronautical Information Services.
- 4) ICAO Doc 4444 – Procedures for Air Navigation Services.
- 5) ICAO Doc 9691 – Manual on Volcanic Ash, Radioactive Material and Toxic Chemical Clouds.
- 6) ICAO Doc 9766 – Handbook on the International Airways Volcano Watch.
- 7) ICAO Doc 9974 – Flight Safety and Volcanic Ash.
- 8) ICAO Doc 10066 – Procedures for Air Navigation, AIM.
- 9) ICAO Doc 10157 – Procedures for Air Navigation, MET.
- 10) ICAO Doc 7910 – ICAO Location Indicators.
- 11) AFI – Volcanic Ash Contingency Plan.
- 12) AMBEX handbook, 7th edition.
- 13) AFI Volcanic Ash Operational Instructions

9.0: EXERCISE SCHEDULE

4 - 8 November 2024		
PLAYERS	EVENT/ACTION	RESP.
APIRG	Twenty-Seventh Meeting of AFI Planning and Implementation Regional Group (APIRG/27) approving the Conduct of the AFI VOLCEX 25/01 exercise in the region through Conclusion 27/08.	ICAO ESAF and WACAF States

01 April 2025 (virtual)		
PLAYERS	EVENT/ACTION	RESP.
AFI VOLCEX Steering Group Members	Second Meeting of the AFI VOLCEX Steering Group to prepare for the 2025 exercise.	ICAO ESAF and WACAF offices



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27 May 2025		
PLAYERS	EVENT/ACTION	RESP.
KENYA, ESAF and WACAF Offices	Designation of the AFI VOLCEX 25/01 Leader	KENYA CAA

17 – 21 November 2025		
PLAYERS	EVENT/ACTION	RESP.
Exercise Leader, ICAO Secretariat and Directing Staff.	Development of the draft VOLCEX 25/01 Directive.	Exercise Leader

05 February 2026		
PLAYERS	EVENT/ACTION	RESP.
Directing Staff, Members Participating Agencies	Presentation of the final version of the AFI Volcanic Exercise Directive.	Exercise Leader

11 February 2026		
PLAYERS	EVENT/ACTION	RESP.
Exercise Leader	Send the final version of the exercise directive for publication by ICAO.	Exercise Leader

19 February 2026		
PLAYERS	EVENT/ACTION	RESP.
NOF Nairobi	Issue preparatory NOTAM to inform the aviation community of the exercise. (James Singoei)	Exercise Leader
NOFs of other participating States	Issue NOTAMs to inform the aviation community of the exercise.	NOF Offices of the other participating States



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19 February 2026		
PLAYERS	EVENT/ACTION	RESP.
ICAO ESAF and WACAF Offices, all stakeholders, Directing Staff, Participating Agencies	Send an email message containing the Zoom meeting link in readiness of the VOLCEX25/01 exercise.	Exercise Leader

24 February 2026		
PLAYERS	EVENT/ACTION	RESP.
ICAO ESAF and WACAF Offices, all stakeholders, Directing Staff, Participating Agencies	Pre-Exercise Meeting to brief all stakeholders on the exercise directive.	Exercise Leader



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SEQUENCE OF EVENTS		
Date /Time (UTC)	Players	Event /Action
EXERCISE DATE: 26th FEBRUARY 2026		
0900 – 0930	<ol style="list-style-type: none"> 1. ICAO ESAF 2. Lead State 3. Lead State 4. Lead State 5. ICAO ESAF/WACAF 6. Exercise Leader 	<ol style="list-style-type: none"> 1. Welcome, House Keeping and Introductions 2. Remarks by Kenya ANSP 3. Remarks by Kenya Director Aviation Safety 4. Remarks by Director General Kenya CAA 5. Opening by ICAO 6. Handover to the Lead State
0930	Exercise leader	<ul style="list-style-type: none"> • Announce the commencement of the exercise. • Direct the Nairobi Volcano Observatory (UoN) to issue 1st Exercise VONA
0935	Nairobi Volcano Observatory (University of Nairobi)	Issue 1st exercise VONA (initial eruption details)
0940	VAAC Toulouse	Issue 1st exercise VAA/VAG based on VONA
0945	MWO (Nairobi)	Issue 1st SIGMET based on VAA
0950	NOF (Nairobi)	Issue 1st Exercise NOTAM .
0955	ACC/FIC (Nairobi)	Apply ATC Measures based on 1st SIGMET and 1st NOTAM
1000	Kenya Airways	Relay 1st Aircraft Observation to ACC
1005	ACC/FIC (Nairobi)	Confirm receipt of 1st Exercise Special Air Report , record and transmit it to all aircraft on the affected routes and MWO Nairobi.
1010	MWO (Entebbe)	Issue 2nd Exercise SIGMET .



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1015	NOF (Entebbe)	Issue 2nd Exercise NOTAM.
1020	ACC/FIC (Entebbe)	Apply ATC Measures based on 2nd SIGMET/2nd NOTAM
1025	AMO (Juba, South Sudan)	Confirm receipt of SIGMET(s)
1030	ARO (Juba, South Sudan)	Confirm receipt of NOTAM(s).
1035	FIC (Juba, South Sudan)	Apply ATC Measures based on 2nd SIGMET and 2nd NOTAM
1040	MWO (Addis Ababa)	Issue 3rd Exercise SIGMET.
1045	NOF (Addis Ababa)	Issue 3rd Exercise NOTAM/ASHTAM.
1050	ACC/FIC (Addis Ababa)	Apply ATC Measures based on 3rd SIGMET and 3rd ASHTAM/NOTAM
1055	MWO (Dar es Salaam)	Issue 4th Exercise SIGMET.
1100	NOF (Dar es Salaam)	Issue 4th Exercise NOTAM.
1105	ACC/FIC (Dar es Salaam)	Apply ATC Measures based on 4th SIGMET and 4th NOTAM
1110	MWO (Kigali)	Issue 5th Exercise SIGMET.
1115	NOF (Kigali)	Issue 5th Exercise ASHTAM.
1120	ACC/FIC (Kigali)	Apply ATC Measures based on 5th SIGMET and 5th ASHTAM
1125	MWO (Kinshasa)	Issue 6th Exercise SIGMET.
1130	NOF (Kinshasa)	Issue 6th Exercise NOTAM/ASHTAM.
1135	ACC/FIC (Kinshasa)	Apply ATC Measures based on 6th SIGMET and 6th NOTAM/ASHTAM



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1135 – 1145	<ol style="list-style-type: none"> 1) VAAC Toulouse 2) Nairobi BCC, 3) Brazzaville BCC, 4) RODB Pretoria 5) RODB Dakar 6) Kenya CAA Oversight 	<ul style="list-style-type: none"> • Confirm receipt and relay of AFI VOLCEX OPMET information via teleconference. • At 1145Z Exercise Leader directs the Nairobi Volcano Observatory (UoN) to issue the 2nd Exercise VONA.
1150	Nairobi Volcano Observatory (University of Nairobi)	Issue 2nd Exercise VONA
1155	VAAC Toulouse	Issue 2nd Exercise VAA/VAG based on VONA
1200	MWO (Nairobi)	Issue 7th Exercise SIGMET based on VAA
1205	NOF (Nairobi)	Issue 7th Exercise NOTAM .
1210	ACC/FIC (Nairobi)	Apply ATC Measures based on 7th SIGMET and 7th NOTAM
1215	Kenya Airways	Relay 2nd Aircraft Observation to Nairobi ACC
1220	ACC/FIC (Nairobi)	Confirm receipt of 2nd Exercise Special Air Report , record and transmit it to all aircraft on the affected routes and MWO Nairobi.
1225	MWO (Entebbe)	Issue 8th Exercise SIGMET .
1230	NOF (Entebbe)	Issue 8th Exercise NOTAM .
1235	ACC/FIC (Entebbe)	Apply ATC Measures based on 8th SIGMET and 8th NOTAM
1240	AMO (Juba)	Confirm Receipt of SIGMETs
1245	ARO (Juba)	Confirm Receipt of NOTAMs.
1250	ACC/FIC (Juba)	Apply ATC Measures based on 8th SIGMET and 8th NOTAM .
1255	MWO (Addis Ababa)	Issue 9th Exercise SIGMET .



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1300	NOF (Addis Ababa)	Issue 9th Exercise NOTAM/ASHTAM.
1305	ACC/FIC (Addis Ababa)	Apply ATC Measures based on 9th SIGMET and 9th NOTAM/ASHTAM .
1310	MWO (Dar es Salaam)	Issue 10th Exercise SIGMET.
1315	NOF (Dar es Salaam)	Issue 10th Exercise NOTAM.
1320	ACC/FIC (Dar es Salaam)	Apply ATC Measures based on 10th SIGMET and 10th NOTAM .
1325	MWO (Kigali)	Issue 11th Exercise SIGMET.
1330	NOF (Kigali)	Issue 11th Exercise ASHTAM.
1335	ACC/FIC (Kigali)	Apply ATC Measures based on 11th SIGMET and 11th ASHTAM
1340	MWO (Kinshasa)	Issue 12th Exercise SIGMET.
1345	NOF (Kinshasa)	Issue 12th Exercise NOTAM/ASHTAM.
1350	ACC/FIC (Kinshasa)	Apply ATC Measures based on 12th SIGMET and 12th NOTAM/ASHTAM
1350 – 1400	<ol style="list-style-type: none"> 1. VAAC Toulouse 2. Nairobi BCC 3. Brazzaville BCC 4. RODB Pretoria 5. RODB Dakar 6. Kenya CAA Oversight 	<ul style="list-style-type: none"> • Confirm receipt and relay of AFI VOLCEX25/01 OPMET information via teleconference. • At 1400Z Exercise Leader directs the Nairobi Volcano Observatory (UoN) to issue a cancellation VONA.
1405	Nairobi Volcano Observatory (University of Nairobi)	Cancel exercise VONA
1410	VAAC Toulouse	Cancel exercise VAA/VAG
1415	MWO (Nairobi)	Cancel exercise SIGMET



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1415 - 1425	MWO (Entebbe)	Cancel exercise SIGMET
	MWO (Addis Ababa)	Cancel exercise SIGMET
	MWO (Dar es Salaam)	Cancel exercise SIGMET
	MWO (Kigali)	Cancel exercise SIGMET
	MWO (Kinshasa)	Cancel exercise SIGMET
1430	NOF (Nairobi)	Cancel exercise NOTAM
1430 - 1440	NOF (Entebbe)	Cancel exercise NOTAM
	NOF (Addis Ababa)	Cancel exercise ASHTAM/NOTAM
	NOF (Dar es Salaam)	Cancel exercise NOTAM
	NOF (Kigali)	Cancel exercise ASHTAM
	NOF (Kinshasa)	Cancel exercise ASHTAM/NOTAM
1440	Exercise Leader	Announces cessation of the exercise.
1440 – 1500	<p>Exercise Leader & participants</p> <p>Speakers</p> <ol style="list-style-type: none"> 1) VAAC Toulouse 2) RODB Pretoria 3) RODB Dakar 4) Nairobi RCC 5) Entebbe RCC 6) Dar es Salaam RCC 7) Addis Ababa RCC 8) Rwanda RCC 9) NOFs 10) MWOs 11) IATA 12) ASECNA 	<ul style="list-style-type: none"> • Exercise web conference to discuss the exercise. • At 1500Z, exercise leader returns the program to ICAO Secretariat.



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1500 – 1515	1) Kenya CAA 2) ICAO ESAF/WACAF	Closing Remarks
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9.0: INITIAL EXERCISE REPORT

Directing Staff plan to complete the initial exercise report on 12th March 2026.

10.0: EXERCISE DEBRIEF

A debrief meeting is planned for 25th March 2026.

11.0: FINAL EXERCISE REPORT

The Exercise Leader will consolidate the initial exercise reports from the directing staff as well as the debrief meeting presentations and discussions in order to prepare the final exercise report which is planned to be availed on 23rd April 2026.

12.0: DIRECTING STAFF

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102	State Volcano Observatory	Dr. Elias Lewi Teklemariam	Addis Ababa University Department of Geophysics and Space Science. Ethiopia	Elias.lewi@aaau.edu.et
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108	Participant, RCC	Melkamu Kebede	Search and Rescue expert, Ethiopia Civil Aviation Authority	melke.dag@gmail.com
109	Head, Aeronautical Meteorology Desk	Getahun Bekele	Aeronautical Meteorology Desk Head, Ethiopian Meteorology Institute	getahunbekele48@yahoo.com ;



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110	Lead, Meteorological Watch Office	Gezahegn Lemma	Head of Meteorological Watch office Desk, Ethiopian Meteorology Institute	gamlemma40@gmail.com
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13.0: SPECIAL INSTRUCTIONS

13.1 The exercise will be conducted using the English language.

13.2 Exercise GO/NO decision shall be made by the Exercise Leader one day before the planned exercise commencement date and time. In case of unforeseen circumstances, such as a real volcanic eruption or other significant events affecting the air transport system, the Exercise Leader may decide to either postpone the exercise to a later date or to cancel the exercise. A decision not to proceed, i.e., to postpone or cancel the exercise, shall be communicated to all participants and observers as early as possible before the exercise is due to commence.

13.3 In case of real volcanic eruption or other unforeseen circumstances occurring within the exercise period, the Exercise Leader has to consult all participating agencies and postpone or cancel the exercise if the ongoing exercise is considered to potentially affect the operation of aviation system. According to ICAO Doc 9766 Handbook on the IAVW, Appendix F, paragraph 2.3., "Exercises can only simulate a real event, while operation of the aviation system must continue normally and be unaffected by the exercise. The planning of the exercise needs to ensure that detrimental effects on the system performance are avoided, but that nevertheless useful experience and information is generated.

13.4 Exercise teleconference/web-conference guidelines:

- a) The lead State shall be the host of teleconference meetings and shall be assisted by the ICAO Secretariat.
- b) The use of English and French languages is expected among participants during teleconference meetings.
- c) The Exercise Leader shall instruct the participants when to speak in order to manage the meeting in an orderly manner.



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14.0: EXERCISE SCENARIO MESSAGES

NOTE: Any voice communication via telephone or radio shall commence with the prefix **“EXERCISE VOLCEX25/01”**.

14.1 Addresses for NOFs to use to send ASHTAMs or NOTAMs on volcanic activity to their associated VAAC in The AFI Region.

NO	STATE	Addresses for NOFs to use to send ASHTAMs or NOTAMs on volcanic activity to their associated VAAC in AFI Region
1	Kenya	LFPWYMYX EGZZVANW
2	Uganda	LFPWYMYX EGZZVANW
3	Ethiopia	LFPWYMYX EGZZVANW
4	South Sudan	LFPWYMYX EGZZVANW
5	DR. Congo	LFPWYMYX EGZZVANW
6	Rwanda	LFPWYMYX EGZZVANW
7	Tanzania	LFPWYMYX EGZZVANW



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14.2 Distribution list for NOTAMs.

CYHQYNYX	DAAAYNYN	DAAAYNYX	DGAAYNYX	DNLLYNYX	DTZZNAHK	EGZZVANW
EUECYIYN	EUECYIYX	FAJNYNYX	FCBBYOYX	FCCYNYX	FCPPZPZX	FDSKYNYX
FEFFYOYX	FGSLYOYX	FIMPYNYX	FJDGYNYX	FLKKYNYX	FLKKZPZX	FMCHZPZX
FMZZNTHX	FNLUYNYX	FOOLYOYX	FQHQYNYX	FSIAYNYX	FVHAYNYX	FWKIYNYX
FXMMYNYX	FYWFYNYX	FYWHYNYX	FZAZYNYX	GABSYOYX	GFLLYNYX	GMMMYNYX
GOOYNYX	HAABYNYX	HBAYNYX	HCCMYNYX	HDAMYNYX	HEZZNEXX	HHASYNYX
HKELYOYX	HKJKQAW	HKJYMYX	HKJYOYX	HKKIYOYX	HKLKYOYX	HKMLYOYX
HKMOYOYX	HKNAYFYX	HKNAZDZX	HKNAZEZX	HKNAZNZX	HKNWYOYX	HKNYZTZX
HKREZTZX	HKWJYOYX	HKZZNALX	HLLLYNYX	HLZZNLNL	HRYRYNYX	HSSSYNYX
HTDAYNYX	HUENYNYX	KDZZNAXX	LCNCYNYX	LDZAYNYX	LEANYNYX	LFPWYMYX
LGGYNYX	LIAYNYX	LJLAYNYX	LLADYNYX	LSZZNAHK	LTAAYNYX	LYBBYNYX
LYYYFYX	OBBSYNYX	OBZZNAXX	OEJDYNYX	OEZZNAXX	OIIYNYX	OJAIYNYX
OKNOYNYX	OLBAYNYX	OMAEYNYX	OMFJYNYX	OOMSINYX	ORBSINYX	OTBDYNYX
OTZZNAZX	OYAAINYX	OYSNYNYX	RCTPYNYX	RCZZNMXX	RJZZNKXX	RKZZNKXX
UUUJYNYX	UZZNANX	VABBYNYE	VABBYNYX	VCZZNOAX	VECCYNYX	VHHHYNYX
VIDPYNYX	VOMMYNYX	VVVYNYX	VVZZNAXX	WSSSYNYX	YBBBZEZX	ZBBBYNYX
ZBZZNPXX	ZGGGUNCZ					

14.3 Distribution list for SIGMET information.

DGAAYMYX	DGACZQZX	DNKKZQZX	DNKNYMYX	DRRNYMYX	DRRRZFZX	DRRRZIZX
DRRRZRZX	DRRRZUZX	DTTAYMYX	EBBRYMYX	EGZZVANW	FAJAZQZX	FAPRYMYX
FBGRZQZX	FBGRZRZK	FBGRZRZX	FBGRZTZK	FBGRZTZX	FBSKYMYX	FCBBYMYX
FCCCZFZX	FCCCZIZX	FCCCZQZX	FCCCZRZX	FCCCZUZX	FIMMZQZX	FIMPYMYX
FLFIZQZX	FLKKYMYX	FMCZYMYX	FMEEYMYX	FMMIYMYX	FMMIZTZX	FNLUYMYX
FQBEZIZX	FQBEZQZX	FQBRYMYX	FQBRZTZX	FQMAYMYX	FSIAYMYX	FSSSZQZX
FTTJYMYX	FTTTZFZX	FTTTZIZX	FTTTZQZX	FTTTZRZX	FTTTZUZX	FVHAYMYX
FVHFZQZX	FWKIYMYX	FWLLZQZX	FYNMYMYX	FYWFZQZX	FYWHYMYX	FZZAZQZX
GLRBYMYX	GOOYZYX	GOOZIZX	GOOZQZX	GOOZRZX	GOOZUZX	GOOYMYX
GOOYYZYX	GOZZSNGX	GVACYMYX	GVSCZQZX	HAABYMYX	HBBAYMYX	HBBAZQZX
HCMHYMYX	HCCMYMYX	HCCMZQZX	HCCMZTZX	HCCMZQZX	HHAZQZX	HHASYMYX
HJJYMYX	HKELYMYX	HKJYMYX	HKJKZPZX	HKJKZTZX	HKMLYMYX	HKNAMHSC
HKNAYSIX	HKNAZDZX	HKNAZNZX	HKNAZQZX	HRYRYMYX	HRYRZQZX	HSSJYMYX
HSSSYMYX	HSSSZQZX	HTDAYMYX	HTKJYMYX	HTZAYMYX	HUECZQZX	HUENYMYX
KWBCYMYX	LFPWYMYX	LFZZMAFI				



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14.4 VONA, SIGMET, NOTAMs and AIREPs samples/draft messages

Note: Each State/Stakeholder should check and update/customize/correct the message under its responsibility before issuing it during the exercise.

Preparatory NOTAM – NOF Nairobi, Kenya

(AXXXX/26 NOTAMN

Q) HKNA/QWWXX/IV/NBO/W/000/999/0219N03634E999

A) HKNA

B) 2602260900 C) 2602261500

E) EXERCISE VOLCEX25/01 VOLCANIC ASH EXERCISE WILL TAKE PLACE ON 26 FEB 2026 FROM 0900 TO 1500 UTC. EXERCISE VOLCANO: THE BARRIER CODE 222030, 0219N03634E KENYA RIFT VOLCANIC PROVINCE.

F) GND G) UNL)

Issue 1st VONA (initial eruption details) – University of Nairobi Volcano Observatory

Phone call and email to Nairobi ACC, Nairobi MWO and VAAC Toulouse warning about eruption and giving first known data.

Also available on <http://vaac.meteo.fr/> and <https://volcanoobservatory.uonbi.ac.ke/>

EXERCISE VOLCEX25/01

- 1) VONA
- 2) STATUS: EXER
- 3) DTG: 20260226/0930Z
- 4) Volcano: BARRIER 222030
- 5) PSN: N0219 E03634
- 6) AREA: KENYA RIFT PROVINCE
- 7) SOURCE ELEV: 3386FT AMSL
- 8) NOTICE NR: 2026/1
- 9) CURRENT RED
- COLOUR
- CODE:
- 10)PREVIOUS Yellow
- COLOUR
- CODE:
- 11)SVO: NAIROBI VOLCANO OBSERVATORY
- 12)ACT STS: ERUPTION ONGOING SINCE 0900Z
- 13)ONSET: 20260226/0900Z



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14)DUR: ONGOING EPISODIC
15)VA CLD HGT: 37000FT AMSL
16)HGT SOURCE: GND OBSERVER
17)MOV: NE
18)CTC: NAIROBI VOLCANO OBSERVATORY
TEL +254 721 371975
E-mail: kenya-svo@uonbi.ac.ke
<https://volcanoobservatory.uonbi.ac.ke/>
19)RMK: NIL
20)NXT NOTICE: 20260226/1530Z
EXERCISE EXERCISE EXERCISE



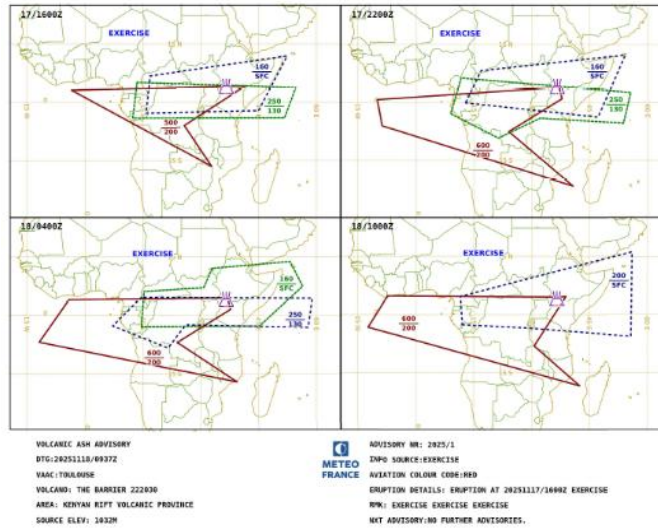
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1st VAA/VAG based on VONA – VAAC Toulouse

VA ADVISORY
STATUS: EXER
DTG: 202 XXXXX Z
VAAC: TOULOUSE
VOLCANO: THE BARRIER 222030
PSN: N0219 E03634
AREA: KENYAN RIFT VOLCANIC PROVINCE
SOURCE ELEV: 1032M
ADVISORY NR: 2026/1
INFO SOURCE: EXERCISE
AVIATION COLOUR CODE: RED
ERUPTION DETAILS: ERUPTION AT XXXXXXXXXXXX EXERCISE
OBS VA DTG: XXXXX Z
OBS VA CLD: SFC/FL160 S0251 E01548 - N0651 E01651 - N1200 E05224 - S0212
E04457 - S0251 E01548 MOV NE 20KT FL130/250 N0509 E01327 - N0348 E05436 -
S0406 E05142 - S0409 E01221 - N0509 E01327 MOV E 10KT FL200/500 N0415 E04130
- S0606 E02542 - S1630 E03245 - N0309 W00330 - N0415 E04130 MOV W 20KT
FCST VA CLD +6 HR: : XXXXX Z SFC/FL160 S0006 E01248 - N0815 E01651 - N1218
E05409 - S0354 E04709 - S0006 E01248 FL130/250 N0621 E01142 - N0236 E05533 -
S0527 E05342 - S0409 E03208 - S0920 E02118 - S0257 E00857 - N0621 E01142
FL200/600 N0357 E03703 - N0057 E03748 - S0739 E02400 - S2124 E04036 - S0609
W00842 - N0042 W01000 - N0357 E03703
FCST VA CLD +12 HR: XXXXX Z SFC/FL160 S0257 E01436 - N0612 E01518 - N0709
E03045 - N1209 E03300 - N1351 E05306 - N0733 E05624 - S0251 E04509 - S0257
E01436 FL130/250 N0439 E01433 - N0427 E05854 - S0309 E05748 - S0230 E02606 -
S0830 E02127 - S0245 E00712 - N0439 E01433 FL200/600 N0430 E03657 - N0133
E03738 - S0703 E02354 - S1706 E03924 - S0657 W01151 - N0406 W00409 - N0430
E03657
FCST VA CLD +18 HR: XXXXX Z SFC/FL200 S0242 E01200 - N0442 E01133 - N1611
E05603 - S0539 E05545 - S0330 E02836 - S0242 E01200 FL200/600 N0430 E03657 -
N0439 E03854 - S0812 E03042 - S1821 E04230 - S0318 W01224 - N0451 W00718 -
N0430 E03657
RMK: EXERCISE EXERCISE EXERCISE
NXT ADVISORY: XXXXXXXXXXXX =

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1st SIGMET based on VAA – MWO Nairobi, Kenya

WVKN31 HKJK 260945

HKNA SIGMET 01 VALID 260945/261545 HKJK-

HKNA NAIROBI FIR EXERCISE AFI VOLCEX25/01 VA ERUPTION: THE BARRIER 222030
PSN: N0219 E03634 AREA: KENYA RIFT VOLCANIC PROVINCE SOURCE ELEV: 1032M
ADVISORY NR: 2025/01 INFO SOURCE: EXERCISE COLOUR CODE: RED ERUPTION
DETAILS: ERUPTION AT 20260226/0930Z EXERCISE OBS VA CLD: 26/0935Z SFC/FL160
S0251 E01548 – N0651 E01651 – N1200 E05224 – S0212 E04457 – S0251 E01548 MOV
NE 20KT FL130/250 N0509 E01327 – N0348 E05436 – S0406 E05142 – S0409E01221 –
N0509 E01327 MOV E 10KT FL200/500 N0415 E04130 - S0606 E02542 – S1630 E03245
– N0309 W00330 – N0415 E04130 MOV W 20KT FCST VA CLD: 26/1535Z SFC/FL160
S006 E01248 – N0815 E01651 – N1218 E05409 – S0354 E04709 – S0006 E01248
FL130/250 N0621 E01142 – N0236 E05533 – S0527 E05342 – S0409 E03208 – S0920
E02118 – S0257 E00857 – N0621 E01142 FL200/600 N0357 E03703 – N0057 E03748 –
S0739 E02400 – S2124 E04036 – S0609 W00842 – N0042 W01000 – N0357 E03703
EXERCISE EXERCISE EXERCISE=

1st NOTAM based on SIGMET – NOF Nairobi, Kenya

(VXXX/26 NOTAMN

Q) HKNA/QWWXX/IV/NBO/W/000/999/0216S03901E999

A) HKNA

B) 2602260900 C) 2602261230EST

E) VA EXERCISE AFI VOLCEX25/01 VA ERUPTION AT THE BARRIER 222030 PSN:

N0219 E03634 AREA KENYA RIFT PROVINCE WITH COULOR CODE RED. ERUPTION

DETAILS: ERUPTION AT 20260226/0930Z EXERCISE OBS VA CLD: 26/0935Z SFC/FL160

S0251E01548 N0651E01651 N1200E05224 S0212E04457 S0251E01548 MOV NE



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20KT FL130/250 N0509E01327 N0348E05436 S0406E05142 S0409E01221
N0509E01327 MOV E 10KT FL200/500 N0415E04130 S0606E02542 S1630E03245
N0309W00330 N0415E04130 MOV W 20KT FCST VA CLD: 26/1535Z SFC/FL160
S006E01248 N0815E01651 N1218E05409 S0354E04709 S0006E01248 FL130/250
N0621E01142 N0236E05533 S0527E05342 S0409E03208 S0920E02118 S0257E00857
N0621E01142 FL200/600 N0357E03703 N0057E03748 S0739E02400 S2124E04036
S0609W00842 N0042W01000 N0357E03703 EXERCISE 1 EXERCISE 1 EXERCISE 1
F) GND G) UNL)

1st Special Air Report

Special Air report as spoken on Radio Telephony by Kenya Airways

AFI VOLCANIC ASH EXERCISE SPECIAL AIREP KENYA TREE FIFE TREE POSITION ZERO
TOO WUN NINER NORTH ZERO TREE SIX TREE FOWER EAST ZERO NINER FIFE ZERO
FLIGHT LEVEL TREE FIFE ZERO DESCENDING TO FLIGHT LEVEL TOO ZERO ZERO ASH
CLOUD VA EXERCISE AFI VOLCEX25/01 EXERCISE EXERCISE EXERCISE

Special Air report as recorded by the ACC and transmitted to MWO

AFTN/AMHS Address: HKJKYMYX

ARS KQA353 N0219 E03634 0950Z F350 DES F200 VA CLD VA EXERCISE AFI
VOLCEX25/01 EXERCISE EXERCISE EXERCISE

Special Air report as coded by the MWO and transmitted to VAAC Toulouse, RODB Pretoria and Dakar AFTN/AMHS Addresses: LFPWYMYX, FAPRYMYX, GOOYYZYZ

ARS KQA353 N0219 E03634 0950Z F350 DES F200 VA CLD VA EXERCISE AFI
VOLCEX25/01 EXERCISE EXERCISE EXERCISE

2nd SIGMET – MWO Entebbe, Uganda

WVUG31 HUEN 261000Z

HUEC SIGMET 01 VALID 261000/261600 HUEN-

HUEC ENTEBBE FIR/UIR VA EXERCISE AFI VOLCEX25/01 VA ERUPTION THE BARRIER
LOC N0219 E03634 AREA KENYAN RIFT VOLCANIC PROVINCE VA CLD OBS AT
261000Z SFC/FL600 ROUND S0033 E02970 – S0143 E02955 – S0185 E03141 – S0008
E03038 – N0001 E02955 – S0003 E02970 MOV W 20KT INSTF FCST VA CLD AT
270200Z SFC/FL600 AROUND N0047 E02992 – N00323 E03130 – N0063 E03170 –



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S0101 E03152 – S0112 E03061 – S0147 E02957 – N0047 E02992 EXERCISE
EXERCISE EXERCISE=

2nd NOTAM based on SIGMET – NOF Entebbe, Uganda

(A0007/26 NOTAMN

Q) HUEC/QWWXX/IV/NBO/W/000/999/3759N01525E087

A) HUEC B) 2602261000 C) 2602261220

E) HUEC ENTEBBE FIR/UIR VA EXERCISE AFI VOLCEX25/01

VA ERUPTION THE BARRIER LOC N0219 E03634 AREA KENYAN RIFT VALLEY

VOLCANIC PROVINCE VA CLD OBS AT 261000Z SFC/FL600 ROUND S0033 E02970-

S0143 E02955 - S0185 E03141 - S0008 E03038 - N0001 E02955 - S0003

E02970 MOV W 20KT INSTF FCST VA CLD AT 270200Z SFC/FL600 AROUND N0047

E02992 - N00323 E03130 - N0063 E03170 - S0101 E03152 - S0112

E03061-S0147 E02957 - N0047 E02992 VA CLD OBS.

F) GND G) UNL)

3rd SIGMET – MWO Addis Ababa, Ethiopia

Not received

3rd ASHTAM/NOTAM based on SIGMET – NOF Addis Ababa, Ethiopia

Not received

4th SIGMET – MWO Dar es Salaam, Tanzania

WVTN31 HTDA 261055

HTDC SIGMET 01 VALID 261055/261655 HTDA-

HTDC DAR ES SALAAM FIR EXERCISE AFI VOLCEX25/01 VA ERUPTION: THE BARRIER
222030 PSN: N0219 E03634 AREA: KENYA RIFT VOLCANIC PROVINCE SOURCE ELEV:
1032M ADVISORY NR: 2026/01 INFO SOURCE: EXERCISE COLOUR CODE: RED
ERUPTION DETAILS: ERUPTION AT 20260226/1050Z EXERCISE OBS VA CLD: 26/1055Z
SFC/FL160 WI S0251 E01548 – N0651 E01651 – N1200 E05224 – S0212 E04457 – S0251
E01548 MOV NE 20KT FL130/250 WI N0509 E01327 – N0348 E05436 – S0406 E05142 –
S0409E01221 – N0509 E01327 MOV E 10KT FL200/500 WI N0415 E04130 - S0606
E02542 – S1630 E03245 – N0309 W00330 – N0415 E04130 MOV W 20KT FCST VA CLD:
26/1655Z SFC/FL160 WI S006 E01248 – N0815 E01651 – N1218 E05409 – S0354 E04709
– S0006 E01248 FL130/250 WI N0621 E01142 – N0236 E05533 – S0527 E05342 – S0409
E03208 – S0920 E02118 – S0257 E00857 – N0621 E01142 FL200/600 WI N0357 E03703
– N0057 E03748 – S0739 E02400 – S2124 E04036 – S0609 W00842 – N0042 W01000 –
N0357 E03703 EXERCISE EXERCISE EXERCISE=



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4th NOTAM based on SIGMET – NOF Dar es Salaam, Tanzania

(AXXXX/26 NOTAMN

Q) HTDC/QWWXX/IV/NBO/W/000/999/0255S03504E360

A) HTDC

B) 2602261100 C) 2602261315

E) VA EXERCISE AFI VOLCEX25/01 VOLCANIC ASH EXERCISE WILL TAKE PLACE WITHIN THE AREA COVERED WITH THE FOLLOWING COORD 0449S02922E – 0442S04047E – 0102S03403E – 0107S03024E - 0449S02922E. PILOTS TO EXPECT ASHES WITHIN THE AREA. EXERCISE VOLCANO: THE BARRIER CODE 222030, 0219N03634E KENYA RIFT VOLCANIC PROVINCE.

F) GND G) UNL)

5th SIGMET – MWO Kigali, Rwanda

WVRW31 HRYR 261110

HRYR SIGMET 01 VALID 261110/261710 HRYR-

HRYR KIGALI FIR EXERCISE AFI VOLCEX25/01 VA ERUPTION: THE BARRIER 222030 PSN: N0219 E03634 AREA: KENYA RIFT VOLCANIC PROVINCE SOURCE ELEV:1032M ADVISORY NR: 2026/01 INFO SOURCE: EXERCISE COLOUR CODE: RED ERUPTION DETAILS: ERUPTION AT 20260226/1110Z EXERCISE OBS VA CLD: 26/1110Z SFC/FL160 S0251 E01548 – N0651 E01651 – N1200 E05224 – S0212 E04457 – S0251 E01548 MOV NE 20KT FL130/250 N0509 E01327 – N0348 E05436 – S0406 E05142 – S0409 E01221 – N0509 E01327 MOV E 10KT FL200/500 N0415 E04130 – S0606 E02542 – S1630 E03245 – N0309 W00330 – N0415 E04130 MOV W 20KT FCST VA CLD 26/1710 SFC/FL160 S0006 E01248 – N0815 E01651 – N1218 E05409 – S0354 E04709 – S0006 E01248 FL130/250 N0621 E01142 – N0236 E05533 – S0527 E05342 – S0409 E03208 – S0920 E02118 – S0257 E00857 - N0621 E01142 FL200/600 N0357 E03703 – N0057 E03748 – S0739 E02400 – S2124 E04036 – S0609 W00842 – N0042 W01000 – N0357 E03703 EXERCISE EXERCISE EXERCISE=

5th ASHTAM based on SIGMET – NOF Kigali, Rwanda

ASHTAM 0001/26

A) HRYR B) 02261110 C) THE BARRIER 222030

D) 0219N03634E E) RED ALERT F) OBS VA EXERCISE 1 CLD: SFC/FL160 0251S01548E 0651N01651E 1200N05224E 0212S04457E 0251S01548E MOV NE 20KT FL130/250 0509N01327E 0348N05436E 0406S05142E 0409S01221E 0509N01327E MOV E 10KT FL200/500 0415N04130E 0606S02542E 1630S03245E 0309N00330W 0415N04130E MOV



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W 20KT G) W H) ROUTES AFFECTED WILL BE NOTIFIED BY ATC J) NAIROBI VOLCANO OBSERVATORY K) EXERCISE 1 EXERCISE 1 EXERCISE 1

6th SIGMET – MWO Kinshasa, DR Congo

Not received

6th ASHTAM/NOTAM based on SIGMET – NOF Kinshasa, DR Congo

Not received

Issue 2nd VONA – University of Nairobi Volcano Observatory (NVO)

Phone call and email to ACC, MWO and VAAC Toulouse warning about eruption and giving first known data.

Also available on <http://vaac.meteo.fr/> and <https://volcanoobservatory.uonbi.ac.ke/>

EXERCISE VOLCEX25/01

- 1) VONA
- 2) STATUS: EXER
- 3) DTG: 20260226/1150Z
- 4) Volcano: BARRIER 222030
- 5) PSN: N0219 E03634
- 6) AREA: KENYA RIFT PROVINCE
- 7) SOURCE ELEV: 3386FT AMSL
- 8) NOTICE NR: 2026/2
- 9) CURRENT RED
COLOUR
CODE:
- 10)PREVIOUS RED
COLOUR
CODE:
- 11)SVO: NAIROBI VOLCANO OBSERVATORY
- 12)ACT STS: ERUPTION ONGOING SINCE 0900Z
- 13)ONSET: 20260226/0900Z
- 14)DUR: 2 HR 50 MIN
- 15)VA CLD HGT: 37000FT AMSL
- 16)HGT SOURCE: GND OBSERVER
- 17)MOV: NE
- 18)CTC: NAIROBI VOLCANO OBSERVATORY
TEL +254 721 371975



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E-mail: kenya-svo@uonbi.ac.ke

<https://volcanoobservatory.uonbi.ac.ke/>

19)RMK:

NIL

20)NXT NOTICE:

20260226/1750Z

EXERCISE EXERCISE EXERCISE

2nd VAA/VAG based on 2nd VONA – VAAC Toulouse

VA ADVISORY

STATUS: EXER

DTG: 202 xxxxx Z

VAAC: TOULOUSE

VOLCANO: THE BARRIER 222030

PSN: N0219 E03634

AREA: KENYAN RIFT VOLCANIC PROVINCE

SOURCE ELEV: 1032M

ADVISORY NR: 2026/2

INFO SOURCE: EXERCISE

AVIATION COLOUR CODE: RED

ERUPTION DETAILS: ERUPTION AT xxxxxxxxxxxx EXERCISE

OBS VA DTG: xxxxx Z

OBS VA CLD: SFC/FL160 S0251 E01548 - N0651 E01651 - N1200 E05224 - S0212 E04457 - S0251 E01548 MOV NE 20KT FL130/250 N0509 E01327 - N0348 E05436 - S0406 E05142 - S0409 E01221 - N0509 E01327 MOV E 10KT FL200/500 N0415 E04130 - S0606 E02542 - S1630 E03245 - N0309 W00330 - N0415 E04130 MOV W 20KT

FCST VA CLD +6 HR: : xxxxx Z SFC/FL160 S0006 E01248 - N0815 E01651 - N1218 E05409 - S0354 E04709 - S0006 E01248 FL130/250 N0621 E01142 - N0236 E05533 - S0527 E05342 - S0409 E03208 - S0920 E02118 - S0257 E00857 - N0621 E01142 FL200/600 N0357 E03703 - N0057 E03748 - S0739 E02400 - S2124 E04036 - S0609 W00842 - N0042 W01000 - N0357 E03703

FCST VA CLD +12 HR: xxxxx Z SFC/FL160 S0257 E01436 - N0612 E01518 - N0709 E03045 - N1209 E03300 - N1351 E05306 - N0733 E05624 - S0251 E04509 - S0257 E01436 FL130/250 N0439 E01433 - N0427 E05854 - S0309 E05748 - S0230 E02606 - S0830 E02127 - S0245 E00712 - N0439 E01433 FL200/600 N0430 E03657 - N0133 E03738 - S0703 E02354 - S1706 E03924 - S0657 W01151 - N0406 W00409 - N0430 E03657

FCST VA CLD +18 HR: xxxxx Z SFC/FL200 S0242 E01200 - N0442 E01133 - N1611 E05603 - S0539 E05545 - S0330 E02836 - S0242 E01200 FL200/600 N0430 E03657 - N0439 E03854 - S0812 E03042 - S1821 E04230 - S0318 W01224 - N0451 W00718 - N0430 E03657

RMK: EXERCISE EXERCISE EXERCISE

NXT ADVISORY: xxxxxxxxxxxx =



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7th SIGMET based on 2nd VAA – MWO Nairobi, Kenya

WVKN31 HKJK 261200

HKNA SIGMET 02 VALID 261200/261800 HKJK-

NAIROBI FIR EXERCISE AFI VOLCEX25/01 VA ERUPTION: THE BARRIER 222030 PSN: N0219 E03634 AREA: KENYA RIFT VOLCANIC PROVINCE SOURCE ELEV: 1032M ADVISORY NR: 2025/01 INFO SOURCE: EXERCISE COLOUR CODE: RED ERUPTION DETAILS: ERUPTION AT 20260226/1150Z EXERCISE OBS VA CLD: 26/1200Z SFC/FL160 S0251 E01548 – N0651 E01651 – N1200 E05224 – S0212 E04457 – S0251 E01548 MOV NE 20KT FL130/250 N0509 E01327 – N0348 E05436 – S0406 E05142 – S0409 E01221 – N0509 E01327 MOV E 10KT FL200/500 N0415 E04130 – S0606 E02542 – S1630 E03245 – N0309 W00330 – N0415 E04130 MOV W 20KT FCST VA CLD: 26/1800Z SFC/FL160 S0006 E01248 – N0815 E01651 – N1218 E05409 – S0354 E04709 – S0006 E01248 FL130/250 N0621 E01142 – N0236 E05533 – S0527 E05342 – S0409 E03208 – S0920 E02118 – S0257 E00857 – N0621 E01142 FL200/600 N0357 E03703 – N0057 E03748 – S0739 E02400 – S2124 E04036 – S0609 W00842 – N0042 W01000 – N0357 E03703 EXERCISE EXERCISE EXERCISE=

7th NOTAM based on 8th SIGMET – NOF Nairobi, Kenya

(VXXXX/26 NOTAMR VXXXX/26

Q) HKNA/QWWXX/IV/NBO/W/000/999/0216S03901E999

A) HKNA

B) 2602261230 C) 2602261530EST

E) VA EXERCISE AFI VOLCEX25/01 VA ERUPTION AT THE BARRIER 222030 PSN: N0219 E03634 AREA KENYA RIFT PROVINCE. EXERCISE COLOUR CODE RED ERUPTION DETAILS: ERUPTION AT 20260226/1150Z EXERCISE OBS VA CLD: 26/1200Z SFC/FL160 S0251E01548 N0651E01651 N1200E05224 S0212E04457 S0251E01548 MOV NE 20KT FL130/250 N0509E01327 N0348E05436 S0406E05142 S0409E01221 N0509E01327 MOV E 10KT FL200/500 N0415E04130 S0606E02542 S1630E03245 N0309W00330 N0415E04130 MOV W 20KT FCST VA CLD: 26/1800Z SFC/FL160 S0006E01248 N0815E01651 N1218E05409 S0354E04709 S0006E01248 FL130/250 N0621E01142 N0236E05533 S0527E05342 S0409E03208 S0920E02118 S0257E00857 N0621E01142 FL200/600 N0357E03703 N0057E03748 S0739E02400 S2124E04036 S0609W00842 N0042W01000 N0357E03703 EXERCISE 2 EXERCISE 2 EXERCISE 2

F) GND G) UNL)



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2nd Special Air Report – Ethiopian Airlines/Other airline

Special Air report as spoken on Radio Telephony by Ethiopian Airlines

AFI VOLCANIC ASH EXERCISE SPECIAL AIREP ETHIOPIAN TREE TREE TOO POSITION
ZERO TOO WUN NINER NORTH ZERO TREE SIX TREE FOWER EAST WUN WUN FOWER
NINER FLIGHT LEVEL TREE FOWER ZERO CLIMBING TO FLIGHT LEVEL FOWER WUN
WUN ASH CLOUD VA EXERCISE AFI VOLCEX25/01 EXERCISE EXERCISE EXERCISE

Special Air report as recorded by the ACC and transmitted to MWO

AFTN/AMHS Address: HKJKYMYX

ARS ETH332 N0219 E03634 1149Z F340 ASC F400 VA CLD VA EXERCISE AFI
VOLCEX25/01 EXERCISE EXERCISE EXERCISE

Special Air report as coded by the MWO and transmitted to VAAC Toulouse, RODB Pretoria and Dakar AFTN/AMHS Addresses: LFPWYMYX, FAPRYMYX, GOOYYZYZ

ARS ETH332 N0219 E03634 1149Z F340 ASC F400 VA CLD VA EXERCISE AFI
VOLCEX25/01 EXERCISE EXERCISE EXERCISE

8th SIGMET – MWO Entebbe, Uganda

WVUG31 HUEN 261220Z
HUEC SIGMET 02 VALID 261220/261820 HUEN-

HUEC ENTEBBE FIR/UIR VA EXERCISE AFI VOLCEX25/01 VA ERUPTION THE BARRIER
LOC N0219 E03634 AREA KENYAN RIFT VOLCANIC PROVINCE VA CLD OBS AT 1210Z
SFC/FL600 ROUND S0033 E02970 – S0143 E02955 – S0185 E03141 – S0008 E03038 –
N0001 E02955 – S0003 E02970 MOV E 16KT WKN EXCERCISE EXERCISE EXERCISE=

8th NOTAM based on SIGMET – NOF Entebbe, Uganda

(A0009/26 NOTAMR A0007/26

Q) HUEC/QWWXX/IV/NBO/W/000/999/3759N01525E087

A) HUEC B) 2602261220 C) 2602261420

E) HUEC SIGMET 02 VALID 261220/261820 HUEN-

HUEC ENTEBBE FIR/UIR VA EXERCISE AFI VOLCEX25/01 VA ERUPTION THE
BARRIER LOC N0219 E03634 AREA KENYAN RIFT VOLCANO PROVINCE
VA CLD OBS AT 1210Z SFC/FL600 ROUND S0033 E02970 - S0143 E02955 -



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S0185 E03141 - S0008 E03038 - N0001 E02955 - S0003 E02970 MOV E
16KT WKN VA CLD OBS.
F) GND G) UNL)

9th SIGMET – MWO Addis Ababa, Ethiopia

Not received

9th ASHTAM/NOTAM based on SIGMET – NOF Addis Ababa, Ethiopia

Not received

10th SIGMET – MWO Dar es Salaam, Tanzania

WVTN31 HTDA 261310

HTDC SIGMET 02 VALID 261310/261910 HTDA-

HTDC DAR ES SALAAM FIR EXERCISE AFI VOLCEX25/01 VA ERUPTION: THE BARRIER
222030 PSN: N0219 E03634 AREA: KENYA RIFT VOLCANIC PROVINCE SOURCE ELEV:
1032M ADVISORY NR: 2026/02 INFO SOURCE: EXERCISE COLOUR CODE: RED
ERUPTION DETAILS: ERUPTION AT 20260226/1305Z EXERCISE OBS VA CLD: 26/1310Z
SFC/FL160 WI S0251 E01548 – N0651 E01651 – N1200 E05224 – S0212 E04457 – S0251
E01548 MOV NE 20KT FL130/250 WI N0509 E01327 – N0348 E05436 – S0406 E05142 –
S0409 E01221 – N0509 E01327 MOV E 10KT FL200/500 WI N0415 E04130 – S0606
E02542 – S1630 E03245 – N0309 W00330 – N0415 E04130 MOV W 20KT FCST VA CLD:
26/1800Z SFC/FL160 WI S0006 E01248 – N0815 E01651 – N1218 E05409 – S0354
E04709 – S0006 E01248 FL130/250 WI N0621 E01142 – N0236 E05533 – S0527 E05342
– S0409 E03208 – S0920 E02118 – S0257 E00857 – N0621 E01142 FL200/600 WI N0357
E03703 – N0057 E03748 – S0739 E02400 – S2124 E04036 – S0609 W00842 – N0042
W01000 – N0357 E03703 EXERCISE EXERCISE EXERCISE=

10th NOTAM based on SIGMET – NOF Dar es Salaam, Tanzania

(AXXXX/26 NOTAMN

Q) HTDC/QWWXX/IV/NBO/W/000/999/0255S03504E360

A) HTDC

B) 2602261315 C) 2602261435

E) VA EXERCISE AFI VOLCEX 25/01 VOLCANIC ASH EXERCISE WILL TAKE PLACE
WITHIN THE AREA COVERED WITH THE FOLLOWING COORD 0449S02922E –
0442S04047E – 0102S03403E – 0107S03024E - 0449S02922E. PILOTS TO EXPECT
ASHES WITHIN THE AREA. EXERCISE VOLCANO: THE BARRIER CODE 222030,



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0219N03634E KENYA RIFT VOLCANIC PROVINCE.
F) GND G) UNL)

11th SIGMET – MWO Kigali, Rwanda

WVRW31 HRYR 261325

HRYR SIGMET 02 VALID 261325/261925 HRYR-

HRYR KIGALI FIR EXERCISE AFI VOLCEX25/01 VA ERUPTION: THE BARRIER 222030
PSN: N0219 E03634 AREA: KENYA RIFT VOLCANIC PROVINCE SOURCE ELEV:1032M
ADVISORY NR: 2026/02 INFO SOURCE: EXERCISE COLOUR CODE: RED ERUPTION
DETAILS: ERUPTION AT 20260226/1325Z EXERCISE OBS VA CLD: 26/1325Z SFC/FL160
S0251 E01548 – N0651 E01651 – N1200 E05224 – S0212 E04457 – S0251 E01548 MOV
NE 20KT FL130/250 N0509 E01327 – N0348 E05436 – S0406 E05142 – S0409 E01221 –
N0509 E01327 MOV E 10KT FL200/500 N0415 E04130 – S0606 E02542 – S1630 E03245
– N0309 W00330 – N0415 E04130 MOV W 20KT FCST VA CLD 26/1925Z SFC/FL160
S0006 E01248 – N0815 E01651 – N1218 E05409 – S0354 E04709 – S0006 E01248
FL130/250 N0621 E01142 – N0236 E05533 – S0527 E05342 – S0409 E03208 – S0920
E02118 – S0257 E00857 -N0621 E01142 FL200/600 N0357 E03703 – N0057 E03748 –
S0739 E02400 – S2124 E04036 – S0609 W00842 – N0042 W01000 – N0357 E03703

EXERCISE EXERCISE EXERCISE=

11th ASHTAM based on SIGMET – NOF Kigali, Rwanda

ASHTAM 0002/26

A) HRYR B) 02261325 C) THE BARRIER 222030

D) 0219N03634E E) YELLOW ALERT F) OBS VA EXERCISE 1 CLD: SFC/FL160
0251S01548E 0651N01651E 1200N05224E 0212S04457E 0251S01548E MOV NE 20KT
FL130/250 0509N01327E 0348N05436E 0406S05142E 0409S01221E 0509N01327E MOV
E 10KT FL200/500 0415N04130E 0606S02542E 1630S03245E 0309N00330W
0415N04130E MOV W 20KT G) W H) ROUTES AFFECTED WILL BE NOTIFIED BY ATC J)
NAIROBI VOLCANO OBSERVATORY K) EXERCISE 1 EXERCISE 1 EXERCISE 1

12th SIGMET – MWO Kinshasa, DR Congo

Not received

12th ASHTAM/NOTAM based on SIGMET – NOF Kinshasa, DR Congo

Not received



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14.5 Cancellation messages

CANCELLATION VONA - University of Nairobi Volcano Observatory (NVO)

EXERCISE VOLCEX25/01

- 1) VONA
- 2) STATUS: EXER
- 3) DTG: 20260226/1405Z
- 4) Volcano: BARRIER 222030
- 5) PSN: N0219 E03634
- 6) AREA: KENYA RIFT PROVINCE
- 7) SOURCE ELEV: 3386FT AMSL
- 8) NOTICE NR: 2026/3
- 9) CURRENT GREEN
COLOUR
CODE:
- 10)PREVIOUS RED
COLOUR
CODE:
- 11)SVO: NAIROBI VOLCANO OBSERVATORY
- 12)ACT STS: DECREASED UNREST
- 13)ONSET: 20260226/0900Z
- 14)DUR: 5 HR 20 MIN
- 15)VA CLD HGT: NO VA CLD PRODUCED
- 16)HGT SOURCE: GND OBSERVER
- 17)MOV: NO VA CLD PRODUCED
- 18)CTC: NAIROBI VOLCANO OBSERVATORY
TEL +254 721 371975
E-mail: kenya-svo@uonbi.ac.ke
<https://volcanoobservatory.uonbi.ac.ke/>
- 19)RMK: EXERCISE VOLCEX25/01 END OF EXERCISE
- 20)NXT NOTICE: NO MORE ADVISORIES

EXERCISE EXERCISE EXERCISE



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CANCELLATION VA ADVISORY - VAAC Toulouse

VA ADVISORY

STATUS: EXER

DTG: XXXXXXXXXXXX

VAAC: TOULOUSE

VOLCANO: THE BARRIER 222030

PSN: N0219 E03634

AREA: KENYAN RIFT VOLCANIC PROVINCE

SOURCE ELEV: 1032M

ADVISORY NR: 2026/3

INFO SOURCE: EXERCISE

AVIATION COLOUR CODE: GREEN

ERUPTION DETAILS: ERUPTION AT XXXXXXXXXXXX EXERCISE

OBS VA DTG: XXXXXXXXXXXX

OBS VA CLD: VA NOT IDENTIFIABLE FM SATELLITE DATA WIND

FCST VA CLD +6 HR: XXXXX NO VA EXP

FCST VA CLD +12 HR: XXXXX NO VA EXP

FCST VA CLD +18 HR: XXXXX NO VA EXP

RMK: EXERCISE VOLCEX END OF EXERCISE EXERCISE

NXT ADVISORY: NO FURTHER ADVISORIES=



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CANCELLATION SIGMET (MWO Nairobi, Kenya)

WVKN31 HKJK 261420

HKNA SIGMET **03** VALID 261420/261800 HKJK-

NAIROBI FIR EXERCISE AFI VOLCEX 25/01 CNL SIGMET **02** VALID 261200/261800
EXERCISE EXERCISE EXERCISE=

CANCELLATION SIGMET (MWO Entebbe, Uganda)

WVUG31 HUEN 261420Z

HUEC SIGMET 03 VALID 261420/262020 HUEN-

HUEC ENTEBBE FIR/UIR VA EXERCISE AFI VOLCEX25/01 CNL SIGMET 02 VALID
261220/261820 EXERCISE EXERCISE EXERCISE=

CANCELLATION SIGMET (MWO Addis Ababa, Ethiopia)

Not received

CANCELLATION SIGMET (MWO Dar es Salaam, Tanzania)

WVTN31 HTDA 261420

HTDC SIGMET 03 VALID 261420/261800 HTDA-

HTDC DAR ES SALAAM FIR EXERCISE AFI VOLCEX 25/01 CNL SIGMET 02 VALID
261310/261910 EXERCISE EXERCISE EXERCISE=

CANCELLATION SIGMET (MWO Kigali, Rwanda)

WVRW31 HRYR 261420

HRYR SIGMET 03 VALID 261420/261925 HRYR-

KIGALI FIR EXERCISE AFI VOLCEX25/01 CNL SIGMET 02 261325/261925
EXERCISE EXERCISE EXERCISE=

CANCELLATION SIGMET (MWO Kinshasa, DRC)

Not received



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CANCELLATION OF PREPARATORY NOTAM (NOF Nairobi, Kenya)

(AXXXX/26 NOTAMC AXXXX/26

Q) HKNA/QWWXX/IV/NBO/W/000/999/0219N03634E999

A) HKNA

B) 2602261400 C) The Barrier 222030

E) VOLCEX 25/01 THE BARRIER FINISHED.

CNL HKNA *** EXERCISE EXERCISE EXERCISE

CANCELLATION NOTAM (NOF Nairobi, Kenya)

VXXXX/26 NOTAMC VXXXX/26

Q) HKNA/QWWXX/IV/NBO/W/000/999/0216S03901E999

A) HKNA

B) 2602261425

E) VOLCEX25/01 CMPL EXERCISE 3 EXERCISE 3 EXERCISE 3

F) GND G) UNL)

CANCELLATION NOTAM (NOF Entebbe, Uganda)

(A0010/26 NOTAMC A0009/26

Q) HUEC/QWWXX/IV/NBO/W/000/999/3759N01525E087

A) HUEC B) 2602261420

E) VOLCEX25/01 COMPLETED)

CANCELLATION NOTAM/ASHTAM (NOF Addis Ababa, Ethiopia)

Not received

CANCELLATION NOTAM (NOF Dar es Salaam, Tanzania)

(AXXXX/26 NOTAMC

Q) HTDC/QWWCC/IV/NBO/W/000/999/0255S03504E360

A) HTDC

B) 2602261435 C)

E) VOLCEX 25/01 COMPLETED.

CANCELLATION ASHTAM (NOF Kigali, Rwanda)

ASHTAM CANCEL

ASHTAM 0003/26



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- A) HRYR FIR B) 02251700 C) THE BARRIER 222030
- D) 0219N03634E E) GREEN ALERT J) NAIROBI VOLCANO OBSERVATORY
- K) EXERCISE VOLCEX CNL

CANCELLATION NOTAM/ASHTAM (NOF Kinshasa, DRC)

Not received

CANCELLATION NOTAM (NOF Entebbe, Uganda)

(A0008/26 NOTAMC A0007/26

Q) HUEC/QWWCC/IV/NBO/W/000/999/3759N01525E087

A) HUEC

B) 2602261820

E) VA EXER AFI VOLCEX 25/01 COMPLETE.