

**EXERCICE DIRECTIVE
AFI VOLCANIC ASH EXERCICE**

AFI VOLCEX 23/01



Official name of the volcano: NYIRAGONGO

Location: Lat: 1° 31' 07" S; Long : 29° 15' 14" E

Volcano number: 223030

The highest elevation: 3470 M

Area: Goma, Democratic Republic of the Congo (DRC), Central Africa Region.

DIRECTIVE – AFI VOLCEX 2023

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1. INTRODUCTION

- 1.1. A simulated eruption of a volcano in the Democratic Republic of Congo called Nyiragongo volcano will produce volcanic ash up to FL350 where it will be transported by East wind of 37 km/hr in order to impact ATS routes between FL200 and FL350 from 0930 UTC to 1500 UTC 7 December 2023.
- 1.2. Simulated eruption will impact ATS routes and airspace over the following FIRs/States: Kinshasa (DR Congo); Brazzaville (Republic of Congo); Libreville (Gabon); Yaoundé (Cameroon); Bangui (Central African Republic); Dar ES Salam (Tanzania); Entebbe (Uganda); Kigali (Rwanda); Luanda (Angola); Bujumbura (Burundi) and Nairobi (Kenya).
- 1.3. The objectives to be tested are provided in section 4 of this document.
- 1.4. The Exercise Leader will be Mr. Jacques Buese Mavungu, ANS MET Inspector at the Civil Aviation Authority of the Democratic Republic of Congo. The duties of the Exercise Leader are specified in the AFI VOLCEX OPINS. There will be no operational impact in this exercise (dedicated staff is expected to be available for the test).
- 1.5. The AFI volcanic ash contingency plan (AFI VCAP) will be the contingency plan to be tested in this exercise.
- 1.6. *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 will announce the cancellation where appropriate.*
 - b) *For the exercise to run smoothly, the Exercise Lead must ensure that air-ground communications, ground-ground coordination as well as Internet connectivity are good. Otherwise, he will have to assess the situation and decide whether to continue or interrupt the exercise.*
- 1.7. Exercise date and time (UTC): 7 December, 09:30 UTC to 15:00 UTC.
- 1.8. Pre-exercise Coordination Meeting: A series of pre-exercise coordination meetings will be scheduled. Notices for the meetings will be relayed through email.
- 1.9. Exercise website: A dedicated website for the exercise is available at <https://www.icao.int/WACAF/Pages/VolcanicAexsq.aspx>
- 1.10. Other useful websites include: <http://vaac.meteo.fr/>

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2. LIST OF ABBREVIATIONS

| | |
|--------|---|
| ACC | : Area Control Centre. |
| AIM | : ATFCM Information Message. |
| ANM | : ATFCM Notification Message. |
| AIS | : Aeronautical Information Service. |
| AO | : Aircraft Operator. |
| AOC | : Airline Operations Centre. |
| ANSP | : Air Navigation Service provider. |
| ATFCM | : Air Traffic Flow and Capacity Management. |
| 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. |
| ATM | : Air Traffic Management. |
| ATS | : Air Traffic Services. |
| CFMU | : Central Flow Management Unit. |
| CTR | : Control zone. |
| FIR | : Flight Information Region |
| FMP | : Flow Management Position. |
| IFPS | : Integrated Initial Flight Plan Processing System. |
| IFPZ | : IFPS Zone. |
| MWO | : Meteorological Watch Office. |
| NOF | : International NOTAM Office. |
| 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. |
| SIGMET | : Information concerning en-route weather phenomena which may affect the safety of aircraft operations. |
| VA | : Volcanic Ash. |
| VAA | : Volcanic Ash Advisory. |
| VAAC | : Volcanic Ash Advisory Centre. |
| VAG | : Volcanic Ash Graphic. |
| VOLCEX | : Volcanic Ash Exercise |
| VONA | : Volcano Observatory Notice for Aviation. |

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3. PARTICIPATING AGENCIES

| Participating Agency | Country | Contact name | Contact position | Primary telephone number | Secondary Tel. Number | e-mails address |
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4. AIMS AND OBJECTIVES

- 4.1. Demonstrate coordination procedures between all participating parties (ANSPs ; ATM ; Centres ; AIS ; VO ; VAACs ; MWOs ; SAR ; Military ; Users).
- 4.2. Timely distribution of messages including AIS and MET VONA; VAA/VAG; SIGMET ; NOTAM ; AIREP messages.
- 4.3. Ensure the operational status of telecommunications networks.
- 4.4. Evaluate the effectiveness of the team in managing a contingency related to volcanic ash
- 4.5. Check the effectiveness of agreements between neighboring States that may face issues related to volcanic ash when relevant regarding the provision of information on the volcanic eruption.
- 4.6. Demonstrate information timely sharing via telecommunications network and internet-based services.
- 4.7. Demonstrate transmission of air-reports on volcanic ash in accordance with Annex 3 (Aircraft -> ACC -> MWO ->VAAC).
- 4.8. Provide, recommendations for amendment of the procedures on the basis of lessons learned and conclusions formulated.

5. EXERCISE DURATION

- 5.1 The exercise will be conducted on 7 December 2023. It will take 5 hours commencing at 09:30 UTC.
- 5.2 The first VONA is expected to be issued at 09:40 UTC. The second VONA, is to be issued at 12:00 UTC.

6. EXERCISE VOLCANO

- Official name of the volcano: NYIRAGONGO
- Location: Lat: 1° 31' 07" S; Long: 29° 15' 14" E
- Volcano number: 223030
- The highest elevation: 3470 M
- Area: Goma, DRC, Democratic Republic of the Congo (DRC), Central Africa Region .

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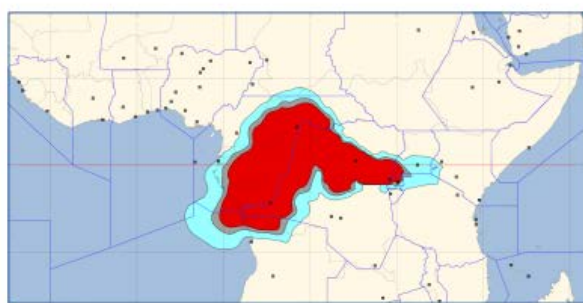
7. EXERCISE SCENARIO

7.1. The scenario as described in Section 1 of this document is illustrated in the graph below. The vertical extension is between flight level FL200 and FL350 and horizontally, it covers eleven (11) countries with a wind of 37 km/hr moving from east to west.

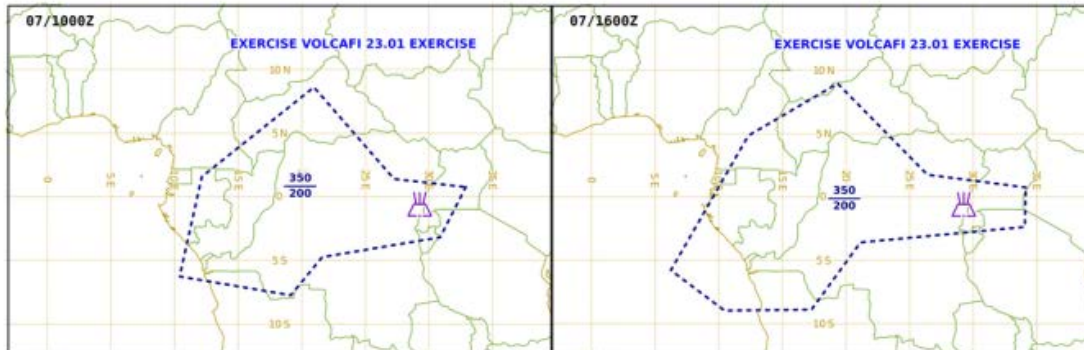
Ash Concentration Chart - from FL200 to FL350

7 December 2023, 09UTC

7 December 2023, 15UTC



VOLCAFI 2023 : VAG to be sent 07 December at 10utc



8. REFERENCE MATERIAL

- ICAO Annex 3 – Meteorological Service for International Air Navigation.
- ICAO Annex 11 – Air Traffic Services.
- ICAO Annex 15 – Aeronautical Information Services.
- ICAO Doc 4444-ATM/501 – Procedures for Air Navigation Services.
- ICAO Doc 9691-AN/954 – Manual on Volcanic Ash, Radioactive Material and Toxic Chemical Clouds.
- ICAO Doc 9766-AN/968 – Handbook on the International Airways Volcano Watch.
- AFI – Volcanic Ash Contingency Plan.
- AFI Volcanic Ash Operational Instructions

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9. EXERCISE SCHEDULE

| 07 - 11 November 2022 | | |
|-----------------------|---|----------------------------|
| PLAYERS | EVENT / ACTION | RESP. |
| APIRG | Twenty-Fifth Meeting of AFI Planning and Implementation Regional Group (APIRG/25) approving the Conduct of the AFI VOLCEX 23/01 exercise in the region through Decision 25/33 | ICAO WACAF and ESAF States |

| 19 July 2023 | | |
|-----------------------------------|--|-----------------------------|
| PLAYERS | EVENT / ACTION | RESP. |
| AFI VOLCEX Steering Group Members | Second Meeting of the AFI VOLCEX Steering Group to prepare the 2023 exercise | ICAO WACAF and ESAF Offices |

| 05 September 2023 | | |
|-----------------------------|--|---------|
| PLAYERS | EVENT / ACTION | RESP. |
| DRC, ESAF and WACAF Offices | Designation of the AFI VOLCEX 23/01 Leader | DRC CAA |

| 15 September – 4 December 2023 | | |
|--|--|------------------|
| PLAYERS | EVENT / ACTION | RESP. |
| Exercise Leader, ICAO Secretariat & DISTAFF. | Development of the draft VOLCEX 23/01 Directive. | Exercise Leader. |

| 4 December 2023 | | |
|-----------------|---|-----------------|
| PLAYERS | EVENT / ACTION | RESP. |
| Exercise Leader | Send the final version of the exercise directive for publication by ICAO. | Exercise Leader |

| 5 December 2023 | | |
|--|---|-----------------|
| PLAYERS | EVENT / ACTION | RESP. |
| Directing Staff Members Participating Agencies | Presentation of the final version of the AFI Volcanic Exercise Directive. | Exercise Leader |

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| 5 December 2023 | | |
|-----------------|---|-----------------|
| PLAYERS | EVENT / ACTION | RESP. |
| DRC NOF | Issue preparatory NOTAM to inform the aviation community of the exercise. | Exercise Leader |

| 5 December 2023 | | |
|---|---|-----------------|
| PLAYERS | EVENT / ACTION | RESP. |
| ICAO ESAF and WACAF Offices, all stakeholders, DStaff, Participating Agencies | Pre-Exercise Meeting to brief all stakeholders on the exercise directive. | Exercise Leader |

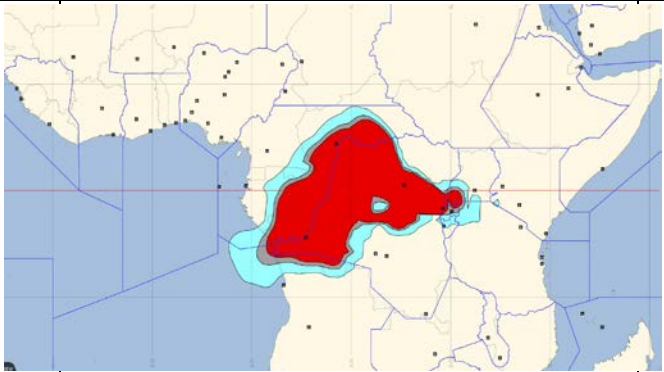
| 5 December 2023 | | |
|------------------------------|--|---|
| PLAYERS | EVENT / ACTION | RESP. |
| NOFs of participating States | Issue a general aeronautical information to inform the aviation community of the exercise. | Exercise Leader APIRG IIM MET Project 2. |

| 05 December 2023 | | |
|------------------------------|--|--|
| PLAYERS | EVENT / ACTION | RESP. |
| ACCs of participating States | Issue to their NOFs a request NOTAM message to inform the aviation community of the exercise based on the preparatory NOTAM issued by the NOF DRC. | Exercise Leader, APIRG IIM MET Project 2. |

| 06 December 2023 | | |
|------------------------------|---|---|
| PLAYERS | EVENT / ACTION | RESP. |
| NOFs of participating States | Issue consequential NOTAMs to inform the aviation community of the exercise based on the preparatory NOTAM issued by the NOF DRC. | Exercise Leader APIRG IIM MET Project 2. |

| 07 December 2023 | | | |
|------------------|------------------|--|-----------------------------|
| TIME (UTC) | PLAYERS | EVENT / ACTION | RESP. |
| 09:00 | Moderator. | Opening Ceremony (ICAO ESAF and WACAF; CAA/DRC; IATA, VAAC Toulouse, Exercise Leader). | Exercise Leader Secretariat |
| 09:35 | Exercise Leader. | Exercise Leader announce the start of the exercise. | Exercise Leader. |
| | | START EXERCISE VOLCEX 23 Activities | |

DIRECTIVE – AFI VOLCEX 2023

| | | | |
|-------|--|--|--------------------------|
| |  | | |
| 09:40 | VO. OVG. | Issued 1 st VONA (details of the initial eruption). <i>Phone call and e-mail to KIN ACC and Toulouse VAAC warning about eruption and giving first known data – (6 Dec.)</i> | DR Congo |
| 09:45 | VAAC Toulouse. | Issued 1 st exercise VAA/VAG based on the 1 st VONA to the associated MWOs. | France |
| 09:50 | MWO Kinshasa | Issued 1 st exercise SIGMET based on VAA/VAG for respective areas. | DR Congo. |
| 09:55 | NOF Kinshasa | Issued 1 st exercise NOTAM based on SIGMET. | DR Congo. |
| 10:00 | ACC Kinshasa | <i>Apply ATC measures based on SIGMET and NOTAM (Apply re-route)</i> | <i>DR Congo.</i> |
| 10:05 | AO Busy Bee DR Congo | <i>Report aircraft observation [volcanic ash/no volcanic ash] as special air-report by Busy Bee Congo Airlines to KINSHASA ACC</i> | <i>Busy Bee DR Congo</i> |
| 10:10 | ACC Kinshasa | <i>Relay and record special air-report from Busy Bee DR Congo Airlines to all aircrafts in the routes affects by volcanic ash cloud</i> | <i>DR Congo.</i> |
| 10:15 | MWO Brazzaville | Issued 2 nd exercise SIGMET based on VAA/VAG for respective areas. | Congo. |
| 10:20 | NOF Brazzaville | Issued 2 nd exercise NOTAM based on SIGMET. | Congo. |
| 10:25 | ACC Brazzaville | <i>Apply ATC measures based on SIGMET and NOTAM (Apply re-route)</i> | <i>Congo.</i> |
| 10:30 | AMO Libreville | <i>invited to present the situation in their area through teleconference</i> | <i>Gabon</i> |
| 1040 | AMO Douala | <i>invited to present the situation in their area through teleconference</i> | <i>Cameroon</i> |
| 10:50 | MWO Kigali | Issued 3 rd exercise SIGMET based on VAA/VAG for respective areas. | Rwanda. |
| 10:55 | NOF Kigali | Issued 3 rd exercise NOTAM based on SIGMET. | Rwanda. |
| 11:00 | ACC Kigali | <i>Apply ATC measures based on SIGMET and NOTAM (Apply re-route)</i> | <i>Rwanda</i> |
| 11:05 | MWO Entebbe | Issued 4 th exercise SIGMET based on VAA/VAG for respective areas. | Uganda. |
| 11:10 | NOF Entebbe | Issued 4 th exercise NOTAM based on SIGMET. | Uganda. |
| 11:15 | ACC Entebbe | <i>Apply ATC measures based on SIGMET and NOTAM (Apply re-route)</i> | <i>Uganda</i> |

DIRECTIVE – AFI VOLCEX 2023

| | | | |
|------------------|-------------------------------------|---|--|
| 11:20 | AO Ethiopian Airlines | Report aircraft observation [volcanic ash/no volcanic ash] as special air-report by Ethiopian Airlines to Entebbe ACC | Ethiopian Airlines |
| 11:25 | ACC Entebbe | Relay and record special air-report from Ethiopian Airlines to all aircrafts in the routes affects by volcanic ash cloud | Uganda |
| 11:30 | MWO Luanda | Issued 5 th exercise SIGMET based on VAA/VAG for respective areas. | Angola. |
| 11:35 | NOF Luanda | Issued 5 th exercise NOTAM based on SIGMET. | Angola. |
| 11:40 | ACC Luanda | Apply ATC measures based on SIGMET and NOTAM (Apply re-route) | Angola |
| 11:40 – 11:59 | Exercise Leader and Participants | First Exercise web conference to discuss the exercise. | Speakers <ul style="list-style-type: none"> • Senegal (RODB) • Congo Chief RCC • Cameroon (AMO) • Central African Republic (AMO) • Gabon (AMO) |
| | | | |
| 12:00 | VO. OVG. | Issued 2 nd exercise VONA (updated eruption details). Phone call and e-mail to KIN ACC and Toulouse VAAC warning about eruption and giving first known data | DR Congo. |
| 12:05 | VAAC Toulouse. | Issued 2 nd exercise VAA/VAG based on observations/reports. | France |
| 12:10 | MWO Kinshasa | Issued 6 th exercise SIGMET based on VAA/VAG for respective areas. | DR Congo. |
| 12:15 | NOF Kinshasa | Issued 6 th exercise NOTAM based on SIGMET. | DR Congo. |
| 12:20 | ACC Kinshasa | Apply ATC measures based on SIGMET and NOTAM (Apply re-route) | DR Congo. |
| 12:25 | AMO Bangui | invited to present the situation in their area through teleconference | Central African Republic |
| 12:30 | MWO Brazzaville | Issued 7 th exercise SIGMET based on VAA/VAG for respective areas. | Congo. |
| 12:35 | NOF Brazzaville | Issued 7 th exercise NOTAM based on SIGMET. | Congo. |
| 12:40 | ACC Brazzaville | Apply ATC measures based on SIGMET and NOTAM (Apply re-route) | Congo. |
| 12:45 | MWO Entebbe | Issued 8 th exercise SIGMET based on VAA/VAG for respective areas. | Uganda. |
| 12:50 | NOF - Entebbe | Issued 8 th exercise NOTAM based on SIGMET. | Uganda. |
| 12:55 | ACC Entebbe | Apply ATC measures based on SIGMET and NOTAM (Apply re-route) | Uganda |
| 13:00 | MWO Dar es Salam | Issued 9 th exercise SIGMET based on VAA/VAG for respective areas. | Tanzania. |
| 13:05 | NOF Dar es Salam | Issued 9 th exercise NOTAM based on SIGMET. | Tanzania. |
| 13:10 | ACC Dar es Salam | Apply ATC measures based on SIGMET and NOTAM (Apply re-route) | Tanzania |

DIRECTIVE – AFI VOLCEX 2023

| | | | |
|----------------|-------------------------------------|---|---|
| 13:15 | AO South African Airways | Report aircraft observation [volcanic ash/no volcanic ash] as special air-report by South African Airways to Dar es Salam ACC | South African Airways |
| 13:20 | ACC Dar es Salam | Relay and record special air-report from South African Airways to all aircrafts in the routes affects by volcanic ash cloud | Tanzania |
| 13:25 | MWO Luanda | Issued 10 th exercise SIGMET based on VAA/VAG for respective areas. | Angola. |
| 13:30 | NOF Luanda | Issued 10 th exercise NOTAM based on SIGMET. | Angola. |
| 13:35 | ACC Luanda | Apply ATC measures based on SIGMET and NOTAM (Apply re-route) | Angola |
| | | | |
| 13:40 | VO. OVG. | Cancel exercise VONA. | DR Congo. |
| 13:45 | VAAC Toulouse. | Cancel exercise VAA/VAG. | France |
| 13:50 | MWO Kinshasa. | Cancel exercise SIGMET for respective areas. | DR Congo. |
| 13:50 | NOF Kinshasa. | NOTAM Canceling eruption. Cancel exercise NOTAM. | DR Congo. |
| 13:50 | MWO Brazzaville. | Cancel exercise SIGMET for respective areas. | Congo. |
| 13:50 | NOF Brazzaville | NOTAM Canceling eruption. Cancel exercise NOTAM. | Congo |
| 13:50 | MWO Kigali. | Cancel exercise SIGMET for respective areas. | Rwanda. |
| 13:50 | NOF Kigali. | NOTAM Canceling eruption. Cancel exercise NOTAM. | Rwanda. |
| 13:50 | MWO Entebbe. | Cancel exercise SIGMET for respective areas. | Uganda. |
| 13:50 | NOF Entebbe. | NOTAM Canceling eruption. Cancel exercise NOTAM. | Uganda. |
| 13:50 | MWO Dar es Salam | Cancel exercise SIGMET for respective areas. | Tanzania. |
| 13:50 | NOF Dar es Salam | NOTAM Canceling eruption. Cancel exercise NOTAM. | Tanzania. |
| 13:50 | MWO Luanda | Cancel exercise SIGMET for respective areas. | Angola. |
| 13:50 | NOF Luanda | NOTAM Canceling eruption. Cancel exercise NOTAM. | Angola. |
| 13:55 | Exercise Leader | Announce cessation of the exercise. | RD Congo. |
| 14:00 15:00 | Exercise Leader and Participants | Exercise web conference to discuss the exercise. | Speakers: <ul style="list-style-type: none"> • Kenya (BCC) • South Africa (RODB) • Senegal (RODB) • Tanzania SAR Coordinator • Congo Chief RCC • Cameroon (AMO) • Central African Republic (AMO) • Gabon (AMO) |

DIRECTIVE – AFI VOLCEX 2023

| | | | |
|--|--|--|---|
| | | | <ul style="list-style-type: none">• NOFs• MWOs• IATA• Airlines |
|--|--|--|---|

DIRECTIVE – AFI VOLCEX 2023

10. INITIAL EXERCISE REPORT

Directing Staff will complete the Initial Exercise Report on December 20th, 2023.

11. EXERCISE DEBRIEF

A Debrief Meeting will be on January 8th, 2024.

12. FINAL EXERCISE REPORT

The Exercise Leader is to consolidate the INITIAL EXERCISE REPORTs from the Directing Staff, as well as Debrief Meeting presentations and discussions, in order to prepare a Final Exercise Report

The Final Exercise Report is to be available on 29th January 2024.

13. DIRECTING STAFF

| Role | Names | Agency | e-mails address |
|---------------------------------|-----------------------|--------------------------------|--------------------------|
| President of the Steering Group | Frederick Etemesi | KCAA | etemesi_fred@yahoo.com |
| Exercise Leader | Jacques Buese Mavungu | DRC Civil Aviation Authority | bueseaac@gmail.com |
| Lead Volcano Observatory | Christian Samba | VO Goma | kcvikandi2@gmail.com |
| Lead DRC CAA | Nehemie Yamba | DRC Civil Aviation Authority | nymibienge@gmail.com |
| Lead DRC CAA | Anthony Mangbay | DRC Civil Aviation Authority | anthonymangbay@gmail.com |
| Lead VAAC | Sarah Puginier | VAAC Toulouse | sarah.puginier@meteo.fr |
| Lead ANSP | Eldonny Mbuyi Nyembue | Operations Director RVA | eldonnymbuyi@gmail.com |
| Lead ACC | Lundula Vicky | Deputy Operations Director RVA | lutchaka2006@yahoo.fr |
| Lead MWO | Mamingi Emmanuel | RVA -MWO | emamingi@gmail.com |

DIRECTIVE – AFI VOLCEX 2023

| Role | Names | Agency | e-mails address |
|--|----------------------------------|---|--|
| Lead NOF | Futa Kazadi Willy | Head of NOTAM Department | willyfuta@gmail.com |
| Lead NOF | Lomunye André | RVA - NOF | anlomunye@gmail.com |
| Lead CTA | Billy Diabasenga | RVA - ATM | billydk67@gmail.com |
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| Lead MWO/N'djili | Eloi Kini | RVA- DIMET/N'djili | eloitkini@gmail.com |
| Lead ATS/N'djili | José Mbuyi | RVA- DCA/N'djili | mbuyjoseph@gmail.com |
| Lead NOF | Aristides Martins | NOF SAL/ (GVAC) | csqja@asa.cv |
| National Supervisory Authority | Alberto Silva | Cabo Verde Civil Aviation Authority | alberto.silva@aac.cv |
| National Supervisory Authority | Micael Moreno | Cabo Verde Civil Aviation Authority | Micael.moreno@aac.cv |
| APIRG IIM/SG MET Project 2 | Niokhor Diouf | ANACIM, Senegal | niokhor.diouf@anacim.sn |
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| IATA | Robert Oberstar | IATA | robert.oberstar@delta.com |
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| Regional Officer ATM, | Ogutu Keziah | ICAO ESAF | kogutu@icao.int |
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| Regional Officer CNS, ICAO WACAF Office | François Xavier Salambanga | ICAO WACAF Office | FSalambanga@icao.int |
| Regional Officer MET, ICAO WACAF Office | Goama Ilboudo | ICAO WACAF Office | Gilboudo@icao.int |

DIRECTIVE – AFI VOLCEX 2023

14. SPECIAL INSTRUCTIONS

14.1. **Lead:** The lead of teleconference calls should be Jacques Buese Mavungu.

14.2. **Expected Participants and general information** expected from each :

- a) **VO** – Brief update on eruption status, latest height information, source of height information ; duration of event, expected activity.
- b) **VAAC** – Brief update on VAA/VAG (are observations such as aircraft reports being used to update products).
- c) **MWO** – Brief update on SIGMET (if different from VAA/VAG, briefly explain why).
- d) **NOF** – Brief update on NOTAM and published reroutes.
- e) **ACC** – Brief update on reroutes and coordination with ACCs and ATMCs.
- f) **ATMC** – Brief update on overall strategy (coordination with other ATMCs and ACCs).
- g) **Airlines** – Brief update on tactical reroutes, flight plan changes and satisfaction with reroutes.
- h) **ATMC** – Response, if necessary, to airlines.
- i) **ACC** – Response, if necessary, to ATMCs and airlines.

14.3. **Information sharing:**

- Web portal should be available to obtain volcanic ash related products and information :

14.4. **Language:**

- English and French.

14.5. **Microphones:**

- Each Participant should mute microphones to reduce background noise.
- The Leader of the teleconference will instruct the participant when to speak. When other features are available, the Leader would mute and controls when participants speak.

15. EXERCISE SCENARIO MESSAGES

DIRECTIVE – AFI VOLCEX 2023

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

| NOF States | Addresses for NOFs to use to send ASHTAMs or NOTAMs on volcanic activity to their associated VAAC in AFI Region |
|------------------------------|---|
| Cameroon | LFPWYMYX EGZZVANW |
| Cape Verde | LFPWYMYX EGZZVANW |
| Comoros | LFPWYMYX EGZZVANW |
| Democratic Republic of Congo | LFPWYMYX EGZZVANW |
| Eritrea | LFPWYMYX EGZZVANW |
| Ethiopia | LFPWYMYX EGZZVANW |
| French | LFPWYMYX EGZZVANW |
| Kenya | LFPWYMYX EGZZVANW |

DIRECTIVE – AFI VOLCEX 2023

15.2. VONA, SIGMET, NOTAMs and ARIREPs samples/draft messages

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

1st VONA (OVG – Goma/DRC)

EXERCISE EXERCISE EXERCISE

AFI VOLCEX 23/01

(1) VOLCANO OBSERVATORY NOTICE FOR AVIATION (VONA)

(2) Issued: 20231004/0940Z

(3) Volcano: NYIRAGONGO 223030

(4) Current Aviation Colour Code: RED

(5) Previous Aviation Colour Code: Yellow

(6) Source: GOMA VOLCANO OBSERVATORY

(7) Notice/Number: 2023/01

(8) Volcano Location: S0131 E02915

(9) Area: CENTRAL AFRICA REGION

(10) Summit elevation: 11,385 feet (3,470 m)

(11) Volcanic Activity Summary: Eruption in progress since 0900Z

(12) Volcanic Ash Height: 34,449 FT (10,500 m) AMSL, ground observer

(13) Other Volcanic Cloud Information: Dark ash cloud moving from east to west at a speed of 37 KT
Presence of sulfur dioxide

(14) Remarks: :NIL

(15) Contacts: 1- SAMBA VIKANDI Christian,
+243 (0) 997790361
E-mail : kcvikandi2@gmail.com
2- MUKAMBILWA KIBUYE Pierre,
+243 (0) 998749658
E-mail : kmuka1@yahoo.fr

(16) Next Notice: 20231207/1130 Z

EXERCISE EXERCISE EXERCISE

DIRECTIVE – AFI VOLCEX 2023

1st VAA/VAG (VAAC Toulouse)

VA ADVISORY

STATUS: EXER

DTG: 20231207/0945Z

VAAC: TOULOUSE

VOLCANO: NYIRAGONGO 223030

PSN: S0131 E02915

AREA: AFRICA (CENTRAL)

SUMMIT ELEV: 3470M

ADVISORY NR: 2023/1

INFO SOURCE : EXERCISE VOLCAFI 23.01 EXERCISE

AVIATION COLOUR CODE : RED

ERUPTION DETAILS : ERUPTION AT 20231204/2100Z EXERCISE VOLCAFI 23.01 EXERCISE

OBS VA DTG: 07/1000Z

OBS VA CLD: FL200/350 N0045 E03251 - S0312 E03051 - S0448 E02136 - S0748 E01906 - S0618 E01024 - N0136 E01209 - N0839 E02057 - N0124 E02715 - N0045 E03251 MOV NW 20KT

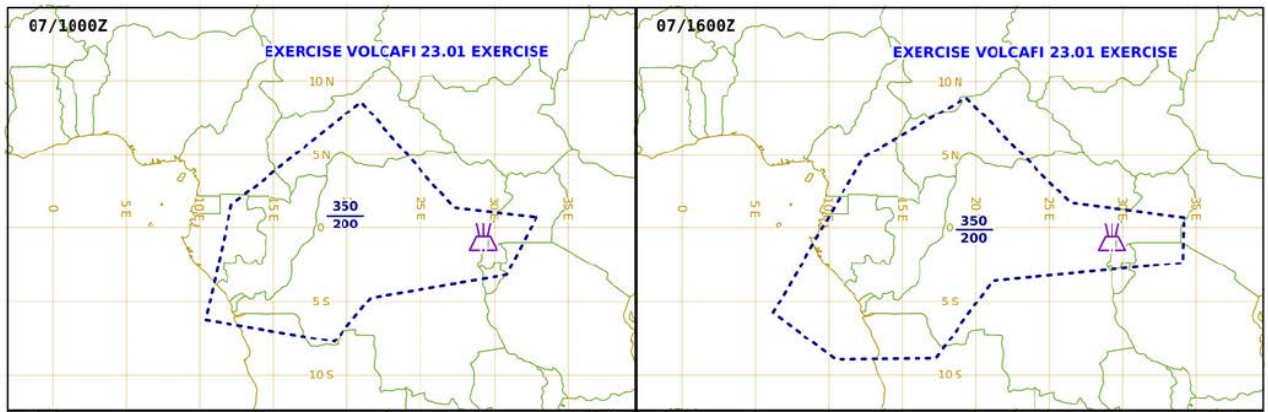
FCST VA CLD +6 HR: 07/1600Z FL200/350 N0045 E03406 - S0224 E03403 - S0336 E02109 - S0854 E01718 - S0900 E01027 - S0548 E00615 - N0451 E01218 - N0857 E01921 - N0145 E02624 - N0045 E03406

FCST VA CLD +12 HR: 07/2200Z FL200/350 N0039 E03353 - S0212 E03348 - S0357 E01824 - S0818 E01545 - S0839 E00815 - S0445 E00421 - N0712 E01233 - N0918 E01711 - N0127 E02506 - N0039 E03353

FCST VA CLD +18 HR: 08/0400Z FL200/350 N0100 E03433 - S0330 E03142 - S0421 E01611 - S0803 E01524 - S1003 E00848 - S0603 E00148 - N0539 E00712 - N1042 E01506 - N0221 E02321 - N0100 E03433

RMK: EXERCISE VOLCITA 23.01 EXERCISE. PLEASE DISREGARD. EXERCISE EXERCISE EXERCISE

NXT ADVISORY: NO LATER THAN 20231207/1200Z=



DIRECTIVE – AFI VOLCEX 2023

1st SIGMET (MWO KINSHASA / DR Congo)

WVZR31 FZAA 070950Z

FZZA SIGMET **xx** VALID 071000/071600 FZAA-

FZZA KINSHASA FIR/UIR VA EXERCISE VOLCAFI 23/01 VA ERUPTION MT NYIRAGONGO LOC S0131 E02915
VA CLD OBS AT 0930Z FL200/350 APRX 554 NM ROUND N0050 E03000 – S0350 E02930 – S0450 E02145
– S0750 E01920 – S0340 E01620 – N0500 E01930 – N04000 E02450 – N0110 E02720 – N0050 E03000
MOV NW 20KT INSTF FCST VA CLD FL200/350 N0050 E03000 – S0350 E02930 – S0336 E02109 – S0750
E01920 – S0340 E01620 – N0500 E01930 – N04000 E02450 – N0110 E02720 – N0050 E03000
EXCERCISE EXERCISE EXERCISE=

1st NOTAM (NOF KINSHASA/DR Congo)

GG FZZA ...

1015 FZAAZPZX

A0122/23 NOTAMN

Q) FZZA/QAFXX/IV/NBO/E/000/999/0137S 02915E/025

A) FZZA

B) 2312071000

C) NYRANGONGO 223030

D) S 0131 E 02915

E) VA AFI VOLCEX 23/01 NYIRAGONGO

FZZA SIGMET **xx** VALID 071000/071600 FZAA-

FZZA KINSHASA FIR/UIR VA EXERCISE VOLCAFI 23/01 VA ERUPTION MT NYIRAGONGO LOC S0131 E02915
VA CLD OBS AT 0930Z FL200/350 APRX 554 NM ROUND N0050 E03000 – S0350 E02930 – S0450 E02145
– S0750 E01920 – S0340 E01620 – N0500 E01930 – N04000 E02450 – N0110 E02720 – N0050 E03000
MOV NW 20KT INSTF FCST VA CLD FL200/350 N0050 E03000 – S0350 E02930 – S0336 E02109 – S0750
E01920 – S0340 E01620 – N0500 E01930 – N04000 E02450 – N0110 E02720 – N0050 E03000
EXCERCISE EXERCISE EXERCISE=

DIRECTIVE – AFI VOLCEX 2023

1st AIREP (Busy Bee DR Congo)

ARS 9S ASS S0315 E02331 1000Z FL 300 CLD VA EXERCICE AFI VOLCEX 23/01
EXERCICE EXERCICE EXERCICE.

2nd SIGMET (MWO BRAZZAVILLE/Congo)

WVCG31 FCBB 071015Z

FCCC SIGMET xx VALID 071000/071600 FCBB-

FCCC BRAZZAVILLE FIR/UIR VA EXERCISE VOLCAFI 23/01 VA ERUPTION MT NYIRAGONGO LOC S0131
E02915 VA CLD OBS AT 0930Z FL200/350 xx MOV NW 20KT INSTF
FCST VA CLD FL200/350 xx EXCERCISE EXERCISE EXERCISE=

2nd NOTAM (NOF BRAZZAVILLE /Congo)

GG FCCC ...

1015 FCBBZPZX

Axxx/23 NOTAMN

Q) FCCC/QAFXX/IV/NBO/E/000/999/0137S 02915E/025

A) FCCC

B) 2312071000

C) NYRANGONGO 223030

D) S 0131 E 02915

E) VA AFI VOLCEX 23/01 NYIRAGONGO

FCCC SIGMET xx VALID 071000/071600 FCBB-

FCCC BRAZZAVILLE FIR/UIR VA EXERCISE VOLCAFI 23/01 VA ERUPTION MT NYIRAGONGO LOC S0131
E02915 VA CLD OBS AT 0930Z FL200/350 xx MOV NW 20KT INSTF
FCST VA CLD FL200/350 xx EXCERCISE EXERCISE EXERCISE=

DIRECTIVE – AFI VOLCEX 2023

3rd SIGMET (MWO KIGALI/ Rwanda)

WVRW31 HRYR 071045Z

HRYR SIGMET **xx** VALID 071100/071700 HRYR-

HRYR KIGALI FIR/UIR VA EXERCISE VOLCAFI 23/01 VA ERUPTION MT NYIRAGONGO LOC S0131 E02915
VA CLD OBS AT 0930Z FL200/350 **XX** MOV NW 20KT INSTF FCST
VA CLD FL200/350 **XX** EXCERCISE EXERCISE EXERCISE=

3rd NOTAM (NOF Kigali/Rwanda)

GG HRYR ...

1015 HRYRZPZX

Axxx/23 NOTAMN

Q) HRYR/QAFXX/IV/NBO/E/000/999/0137S 02915E/025

A) HRYR

B) 2312071000

C) NYRANGONGO 223030

D) S 0131 E 02915

E) VA AFI VOLCEX 23/01 NYIRAGONGO

HRYR SIGMET **xx** VALID 071100/071700 HRYR-

HRYR KIGALI FIR/UIR VA EXERCISE VOLCAFI 23/01 VA ERUPTION MT NYIRAGONGO LOC S0131 E02915
VA CLD OBS AT 0930Z FL200/350 **XX** MOV NW 20KT INSTF FCST
VA CLD FL200/350 **XX** EXCERCISE EXERCISE EXERCISE=

4th SIGMET (MWO ENTEBBE /Uganda)

WVUG31 HUEN 071110Z

HUEC SIGMET **xx** VALID 071100/071700 HUEN-

HUEC ENTEBBE FIR/UIR VA EXERCISE VOLCAFI 23/01 VA ERUPTION MT NYIRAGONGO LOC S0131 E02915
VA CLD OBS AT 0930Z FL200/350 **XX** MOV NW 20KT INSTF FCST
VA CLD FL200/350 **XX** EXCERCISE EXERCISE EXERCISE=

DIRECTIVE – AFI VOLCEX 2023

4th NOTAM (NOF ENTEBBE/Uganda)

GG HUEC ...

1015 HUENZPZX

Axxx/23 NOTAMN

Q) HUEC/QAFXX/IV/NBO/E/000/999/0137S 02915E/025

A) HUEC

B) 2312071000

C) NYRANGONGO 223030

D) S 0131 E 02915

E) VA AFI VOLCEX 23/01 NYIRAGONGO

HUEC SIGMET xx VALID 071100/071700 HUEN-

HUEC ENTEBBE FIR/UIR VA EXERCISE VOLCAFI 23/01 VA ERUPTION MT NYIRAGONGO LOC S0131 E02915
VA CLD OBS AT 0930Z FL200/350 xx MOV NW 20KT INSTF FCST
VA CLD FL200/350 xx EXCERCISE EXERCISE EXERCISE=

4th AIREP (Ethiopian Airlines)

ARS ETH840 Sxxxx Exxxx 1125Z FL 300 CLD VA EXERCICE AFI VOLCEX 23/01
EXERCICE EXERCICE EXERCICE.

5th SIGMET (MWO LUANDA/ Angola)

WVAN31 FNLU 071135Z

FNAN SIGMET xx VALID 071100/071700 FNLU-

FNAN LUANDA FIR/UIR VA EXERCISE VOLCAFI 23/01 VA ERUPTION MT NYIRAGONGO LOC S0131 E02915
VA CLD OBS AT 0930Z FL200/350 xx MOV NW 20KT INSTF FCST
VA CLD FL200/350 xx EXCERCISE EXERCISE EXERCISE=

5th NOTAM (NOF LUANDA/Angola)

GG FNAN ...

1015 FNLUZPZX

Axxx/23 NOTAMN

Q) FNAN/QAFXX/IV/NBO/E/000/999/0137S 02915E/025

A) FNAN

B) 2312071000

C) NYRANGONGO 223030

D) S 0131 E 02915

E) VA AFI VOLCEX 23/01 NYIRAGONGO

FNAN SIGMET xx VALID 071100/071700 FNLU-

FNAN LUANDA FIR/UIR VA EXERCISE VOLCAFI 23/01 VA ERUPTION MT NYIRAGONGO LOC S0131 E02915
VA CLD OBS AT 0930Z FL200/350 xx MOV NW 20KT INSTF FCST
VA CLD FL200/350 xx EXCERCISE EXERCISE EXERCISE=

DIRECTIVE – AFI VOLCEX 2023

2nd VONA (OVG – Goma)

EXERCISE EXERCISE EXERCISE

VONA

AFI VOLCEX 23/01

(1) VOLCANO OBSERVATORY NOTICE FOR AVIATION (VONA)

(2) Issued: 20231207/1200Z

(3) Volcano: NYIRAGONGO 223030

(4) Current Aviation Colour Code: RED

(5) Previous Aviation Colour Code: RED

(6) Source: GOMA VOLCANO OBSERVATORY

(7) Notice/Number: 2023/02

(8) Volcano Location: S0131 E02915

(9) Area: CENTRAL AFRICA REGION

(10) Summit elevation: 11,385 feet (3,470 m)

(11) Volcanic Activity Summary: Eruption activity is decreasing since 1100Z

(12) Volcanic Ash Height: 18,045 FT (5,500 m) AMSL, ground observer

(13) Other Volcanic Cloud Information: the emission of volcanic ash has greatly decreased and its speed. However, the dominant direction remains east to west.

(14) Remarks: NIL

(15) Contacts: 1- SAMBA VIKANDI Christian,
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2- MUKAMBILWA KIBUYE Pierre,
+243 (0) 998749658
E-mail: kmuka1@yahoo.fr

(16) Next Notice: 20231207/1430 Z

EXERCISE EXERCISE EXERCISE

DIRECTIVE – AFI VOLCEX 2023

2nd VAA/VAG (VAAC Toulouse)

VA ADVISORY

STATUS: EXER

DTG: 20231207/ 1205Z

VAAC: TOULOUSE

VOLCANO: NYIRAGONGO 223030

PSN: S0131 E02915

AREA: AFRICA (CENTRAL)

SUMMIT ELEV: 3470M

ADVISORY NR: 2023/2

INFO SOURCE: EXERCISE VOLCAFI 23.01 EXERCISE

AVIATION COLOUR CODE: RED

ERUPTION DETAILS: ERUPTION AT 20231204/2100Z EXERCISE VOLCAFI 23.01 EXERCISE

OBS VA DTG: 07/ 1205Z

OBS VA CLD: FL200/350 N0048 E03408 - S0221 E03403 - S0221 E03403 - S0221 E03403 - S0345 E02109 - S0857 E01718 - S0900 E01015 - S0539 E00627 - N0457 E01233 - N0857 E01924 - N0142 E02630 - N0048 E03408 MOV E 20KT

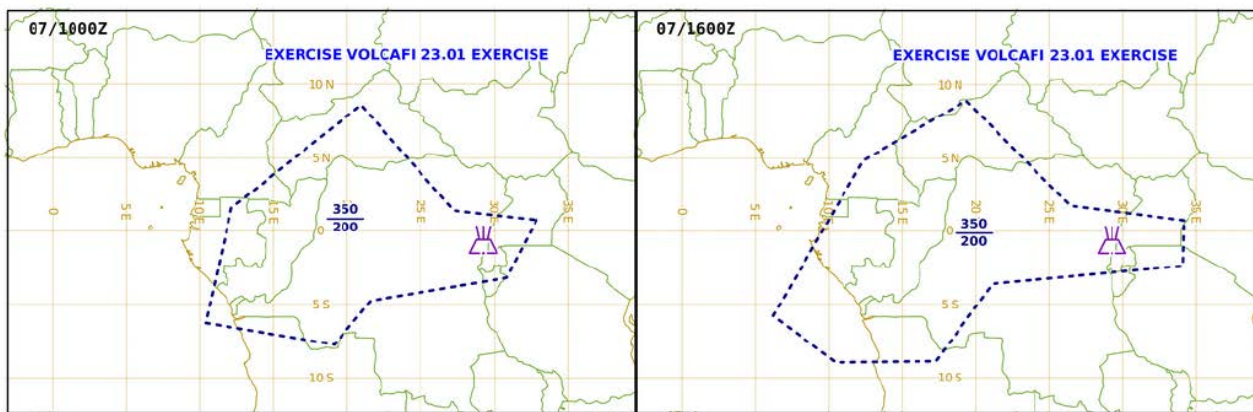
FCST VA CLD +6 HR: 07/1800Z FL200/350 N0039 E03353 - S0212 E03348 - S0357 E01824 - S0818 E01545 - S0839 E00815 - S0445 E00421 - N0712 E01233 - N0918 E01711 - N0127 E02506 - N0039 E03353

FCST VA CLD +12 HR: 08/0000Z FL200/350 N0100 E03433 - S0330 E03142 - S0421 E01611 - S0803 E01524 - S1003 E00848 - S0603 E00148 - N0539 E00712 - N1042 E01506 - N0221 E02321 - N0100 E03433

FCST VA CLD +18 HR: 08/0600Z FL200/350 N0339 E03154 - N0054 E03545 - S0354 E03212 - S0427 E01626 - S1027 E01018 - S0530 W00224 - N0845 E00524 - N1057 E01418 - N0245 E02118 - N0339 E03154

RMK: EXERCISE VOLCITA 23.01 EXERCISE. PLEASE DISREGARD. EXERCISE EXERCISE EXERCISE

NXT ADVISORY: NO LATER THAN 20231207/1500Z=



DIRECTIVE – AFI VOLCEX 2023

6th SIGMET (MWO KINSHASA/ DRC)

WVZR31 FZAA 071210Z

FZZA SIGMET **xx** VALID 071200/071800 FZAA-

FZZA KINSHASA FIR/UIR VA EXERCISE VOLCAFI 23/01 VA ERUPTION MT NYIRAGONGO LOC S0131 E02915
VA CLD OBS AT 1200Z FL200/350 APRX 554 NM ROUND N0050 E03000 – S0350 E02930 – S0336 E02109
– S0750 E01920 – S0340 E01620 – N0500 E01930 – N04000 E02450 – N0110 E02720 – N0050 E03000
MOV E 20KT WKN EXCERCISE EXERCISE EXERCISE=

6th t NOTAM (NOF KINSHASA/DRC)

GG FZZA ...

1015 FZAAZPZX

A0122/23 NOTAMN

Q) FZZA/QAFXX/IV/NBO/E/000/999/0137S 02915E/025

A) FZZA

B) 2312071200

C) NYRANGONGO 223030

D) S 0131 E 02915

E) VA AFI VOLCEX 23/01 NYIRAGONGO

FZZA SIGMET **xx** VALID 071200/071800 FZAA-

FZZA KINSHASA FIR/UIR VA EXERCISE VOLCAFI 23/01 VA ERUPTION MT NYIRAGONGO LOC S0131 E02915
VA CLD OBS AT 1200Z FL200/350 APRX 554 NM ROUND N0050 E03000 – S0350 E02930 – S0336 E02109
– S0750 E01920 – S0340 E01620 – N0500 E01930 – N04000 E02450 – N0110 E02720 – N0050 E03000
MOV E 20KT WKN EXCERCISE EXERCISE EXERCISE=

7th SIGMET (MWO BRAZZAVILLE/ Congo)

WVCG31 FCBB 071240Z

FCCC SIGMET **xx** VALID 071300/071900 FCBB-

FCCC BRAZZAVILLE FIR/UIR VA EXERCISE VOLCAFI 23/01 VA ERUPTION MT NYIRAGONGO LOC S0131
E02915 VA CLD OBS AT 1200Z FL200/350 **XX** MOV E 20KT WKN
EXCERCISE EXERCISE EXERCISE=

DIRECTIVE – AFI VOLCEX 2023

8th NOTAM (NOF ENTEBBE/UGANDA)

GG HUEC ...

1015 HUENZPZX

Axxx/23 NOTAMN

Q) HUEC/QAFXX/IV/NBO/E/000/999/0137S 02915E/025

A) HUEC

B) 2312071200

C) NYRANGONGO 223030

D) S 0131 E 02915

E) VA AFI VOLCEX 23/01 NYIRAGONGO

HUEC SIGMET xx VALID 071300/071900 HUEN-

HUEC ENTEBBE FIR/UIR VA EXERCISE VOLCAFI 23/01 VA ERUPTION MT NYIRAGONGO LOC S0131 E02915
VA CLD OBS AT 1200Z FL200/350 xx MOV E 20KT WKN
EXCERCISE EXERCISE EXERCISE=

9th SIGMET (MWO DAR ES SALAAM/TANZANI)

WVTN31 HTDA 071330Z

HTDC SIGMET xx VALID 071300/071900 HTDA-

HTDC DAR- ES-SALAAM FIR/UIR VA EXERCISE VOLCAFI 23/01 VA ERUPTION MT NYIRAGONGO LOC S0131
E02915 VA CLD OBS AT 1200Z FL200/350 xx MOV E 20KT NC
EXCERCISE EXERCISE EXERCISE=

9th NOTAM (NOF DAR ES SALAAM/TANZANI)

GG HTDC ...

1015 HTDAZPZX

Axxx/23 NOTAMN

Q) HTDC/QAFXX/IV/NBO/E/000/999/0137S 02915E/025

A) HTDC

B) 2312071200

C) NYRANGONGO 223030

D) S 0131 E 02915

E) VA AFI VOLCEX 23/01 NYIRAGONGO

HTDC SIGMET xx VALID 071300/071900 HTDA-

HUEC ENTEBBE FIR/UIR VA EXERCISE VOLCAFI 23/01 VA ERUPTION MT NYIRAGONGO LOC S0131 E02915
VA CLD OBS AT 1200Z FL200/350 xx MOV E 20KT NC EXCERCISE
EXERCISE EXERCISE=

9th AIREP (SOUTH AFRICAN AIRWAYS SAA)

ARS SA059 Sxxxx Exxxx 1335Z FL 300 CLD VA EXERCICE AFI VOLCEX 23/01
EXERCICE EXERCICE EXERCICE.

10th SIGMET (MWO LUANDA/Angola)

WVAN31 FNLU 071345Z

FNAN SIGMET xx VALID 071400/072000 FNLU-

FNAN LUANDA FIR/UIR VA EXERCISE VOLCAFI 23/01 VA ERUPTION MT NYIRAGONGO LOC S0131 E02915
VA CLD OBS AT 1200Z FL200/350 xx MOV E 20KT WKN
EXCERCISE EXERCISE EXERCISE=

DIRECTIVE – AFI VOLCEX 2023

10th h NOTAM (NOF LUANDA/Angola)

GG FNAN ...

1015 FNLUZPZX

Axxx/23 NOTAMN

Q) FNAN/QAFXX/IV/NBO/E/000/999/0137S 02915E/025

A) FNAN

B) 2312071200

C) NYRANGONGO 223030

D) S 0131 E 02915

E) VA AFI VOLCEX 23/01 NYIRAGONGO

FNAN SIGMET xx VALID 071400/071900 FNLU-

FNAN LUANDA FIR/UIR VA EXERCISE VOLCAFI 23/01 VA ERUPTION MT NYIRAGONGO LOC S0131 E02915
VA CLD OBS AT 1200Z FL200/350 xx MOV E 20KT WKN
EXCERCISE EXERCISE EXERCISE=

DIRECTIVE – AFI VOLCEX 2023

CANCELLANTION MESSAGES

Cancelling VONA (OVG Goma)

AFI VOLCEX 23/01

(1) VOLCANO OBSERVATORY NOTICE FOR AVIATION (VONA)

(2) Issued: 20231207/1430Z

(3) Volcano: NYIRAGONGO 223030

(4) Current Aviation Colour Code: YELLOW

(5) Previous Aviation Colour Code: YELLOW

(6) Source: GOMA VOLCANO OBSERVATORY

(7) Notice/Number: 2023/03

(8) Volcano Location: S0152 E02925

(9) Area: CENTRAL AFRICA REGION

(10) Summit elevation: 11,385 feet (3,470 m)

(11) Volcanic Activity Summary: VOLCANIC ACTIVITY HAS CEASED SINCE 1410Z

(12) Volcanic Ash Height: 3,281 FT (1,000 M) AMSL, GROUND OBSERVER

(13) Other Volcanic Cloud Information: THERE IS NO MORE EMISSION OF VOLCANIC ASH,
EXCEPT FOR A SMALL PLUME OF GASES

(14) Remarks: NIL

(15) Contacts: 1) SAMBA VIKANDI Christian,

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2) MUKAMBILWA KIBUYE Pierre,

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E-mail: kmuka1@yahoo.fr

(16) Next Notice: NIL

EXERCISE VOLCEX TERMINATED.

ENDEX 1210Z

DIRECTIVE – AFI VOLCEX 2023

Canceling VAA/VAG (VAAC Toulouse)

VA ADVISORY

STATUS: EXER

DTG: 20231207/ 1415Z

VAAC: TOULOUSE

VOLCANO: NYIRAGONGO 223030

PSN: S0131 E02915

AREA: AFRICA (CENTRAL)

SUMMIT ELEV: 3470M

ADVISORY NR: 2023/3

INFO SOURCE: EXERCISE VOLCAFI 23.01 EXERCISE

AVIATION COLOUR CODE: RED

ERUPTION DETAILS: ERUPTION AT 20231204/2100Z END OF EXERCISE

OBS VA DTG: 07/ 1205Z

OBS VA CLD: FL200/350 N0048 E03408 - S0221 E03403 - S0221 E03403 - S0221 E03403 - S0345 E02109 - S0857 E01718 - S0900 E01015 - S0539 E00627 - N0457 E01233 - N0857 E01924 - N0142 E02630 - N0048 E03408 MOV E 20KT

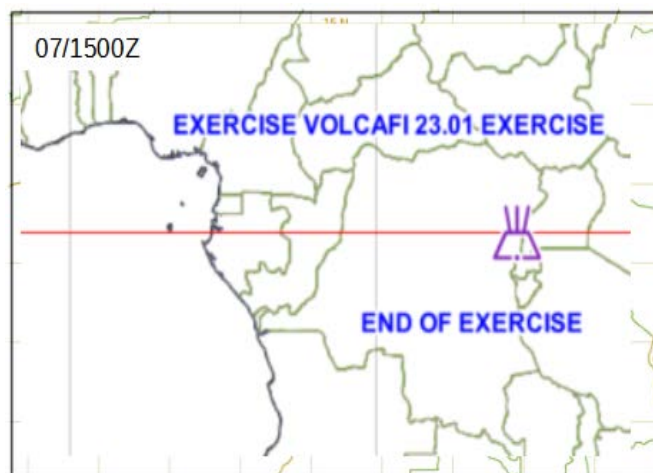
FCST VA CLD +6 HR: 07/1800Z FL200/350 N0039 E03353 - S0212 E03348 - S0357 E01824 - S0818 E01545 - S0839 E00815 - S0445 E00421 - N0712 E01233 - N0918 E01711 - N0127 E02506 - N0039 E03353

FCST VA CLD +12 HR: 08/0000Z FL200/350 N0100 E03433 - S0330 E03142 - S0421 E01611 - S0803 E01524 - S1003 E00848 - S0603 E00148 - N0539 E00712 - N1042 E01506 - N0221 E02321 - N0100 E03433

FCST VA CLD +18 HR: 08/0600Z FL200/350 N0339 E03154 - N0054 E03545 - S0354 E03212 - S0427 E01626 - S1027 E01018 - S0530 W00224 - N0845 E00524 - N1057 E01418 - N0245 E02118 - N0339 E03154

RMK: EXERCISE VOLCITA 23.01 EXERCISE. PLEASE DISREGARD. END OF EXERCISE

NXT ADVISORY: NO FURTHER ADVISORIES=



DIRECTIVE – AFI VOLCEX 2023

Cancelling SIGMET (MWO KINSHASA/DRC) =

WVZR31 FZAA 071420Z
FZZA SIGMET xx VALID 071430/071830 FZAA-
FZZA KINSHASA FIR/UIR VA EXERCISE AFI VOLCEX 23/01 CNL SIGMET xx 071200/1800=

Cancelling NOTAM (NOF KINSHASA/DRC)

GG FZZA
101520 FZAAZPZX
A0124/23 NOTAMC A0123/23
Q) FZZA/QXXXX/XX/XXX/X/000/999/0137S 02915E /025
A) FZAA
B) 2312071420
E) VA AFI VOLCEX 23/01 NYRAGONGO FINISHED
CNL FZZA SIGMET xx EXERCISE EXERCISE EXERCISE

Cancelling SIGMET (MWO BRAZZAVILLE/Congo)

WVCG31 FCBB 071420Z
FCCC SIGMET xx VALID 071430/071830 FCBB-
FCCC BRAZZAVILLE FIR/UIR VA EXERCISE VOLCAFI 23/01 CNL SIGMET xx 071300/1900=

Cancelling NOTAM (NOF BRAZZAVILLE/Congo)

GG FCCC ...
1015 FCBBZPZX
Axxx/23 NOTAMN
Q) FCCC/QAFXX/IV/NBO/E/000/999/0137S 02915E/025
A) FCCC
B) 2312071420
C) NYRANGONGO 223030
D) S 0131 E 02915

DIRECTIVE – AFI VOLCEX 2023

E) VA AFI VOLCEX 23/01 NYIRAGONGO FINISHED CNL

Cancelling SIGMET (MWO KIGALI/Rwanda)

WVRW31 HRYR 071420Z
HRYR SIGMET xx VALID 071430/071830 HRYR-
HRYR KIGALI FIR/UIR VA EXERCISE VOLCAFI 23/01 CNL SIGMET xx 071100/071700=

Cancelling NOTAM (NOF KIGALI/Rwanda)

GG HRYR ...
1015 HRYRZPZX
Axxxx/23 NOTAMN
Q) HRYR/QAFXX/IV/NBO/E/000/999/0137S 02915E/025
A) HRYR
B) 2312071420
C) NYRANGONGO 223030
D) S 0131 E 02915
E) VA AFI VOLCEX 23/01 NYIRAGONGO FINISHED CNL EXERCISE EXERCISE EXERCISE

Cancelling SIGMET (MWO ENTEBBE/Uganda)

WVUG31 HUEN 071420Z
HUEC SIGMET xx VALID 071430/071820 HUEN-
HUEC ENTEBBE FIR/UIR VA EXERCISE VOLCAFI 23/01 CNL SIGMET xx 071300/1900=

Cancelling NOTAM (NOF ENTEBBE/Uganda)

GG HUEC ...
1015 HUENZPZX
Axxxx/23 NOTAMN
Q) HUEC/QAFXX/IV/NBO/E/000/999/0137S 02915E/025
A) HUEC
B) 2312071420

DIRECTIVE – AFI VOLCEX 2023

- C) NYRANGONGO 223030
- D) S 0131 E 02915
- E) VA AFI VOLCEX 23/01 CNL SIGMET **xx** 071300/1900 FINISHED
EXERCISE EXERCISE EXERCISE

Cancelling SIGMET (MWO LUANDA/Angola)

WVAN31 FNLU 071420Z
FNAN SIGMET **xx** VALID 071430/071830 FNLU-
FNAN LUANDA FIR/UIR VA EXERCISE VOLCAFI 23/01 CNL SIGMET **xx** 071400/072000=

Cancelling NOTAM (NOF LUANDA/ ANGOLA)

- GG FNAN ...
1015 FNLUZPZX
Axxx/23 NOTAMN
Q) FNAN/QAFXX/IV/NBO/E/000/999/0137S 02915E/025
A) FNAN
B) 2312071200
C) NYRANGONGO 223030
D) S 0131 E 02915
E) VA AFI VOLCEX 23/01 NYRAGONGO CNL SIGMET **xx** 071300/1900 FINISHED
EXERCISE EXERCISE EXERCISE