



AFI VOLCANIC ASH EXERCISE

AFI VOLCEX25/01

26 FEBRUARY 2026

FINAL EXERCISE REPORT

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Abbreviations and Codes

ACC	Area Control Centre
AFI	African-Indian Ocean region
AFTN	Aeronautical Fixed Telecommunication Network
AIM	Aeronautical Information Management
AIP	Aeronautical Information Publication
AMBEX	AFI Meteorological Bulletin Exchange
AMHS	ATS Message Handling System
AMO	Aerodrome Meteorological Office
AMS	Aeronautical Meteorological Station
AMSP	Aeronautical Meteorological Service Provider
AODEX	AFI OPMET Data Exchange
APP	Approach Control
ARO	ATS Reporting Office
ASHTAM	Special Series NOTAM for Volcanic Ash
ATM	Air Traffic Management
BCC	Bulletin Compilation Centre
CCC	Central Coordinating Committee
CNS	Communication, Navigation, Surveillance
COM	Communication
D-ATIS	Digital – Automatic Terminal Information Service
ESAF	ICAO Eastern and Southern African region
FIC	Flight Information Centre
FIR	Flight Information Region
GSM	Global System for Mobile Communications
IATA	International Air Transport Association
ICAO	International Civil Aviation Organisation
KCAA	Kenya Civil Aviation Authority
KQA	ICAO Code for Kenya Airways
MET	Meteorological
MWO	Meteorological Watch Office
NOF	NOTAM Office
NOTAM	Notice to Airmen
OPINS	AFI Volcanic Ash Operational Instructions

OPMET	Operational Meteorological information
RCC	Rescue Coordinating Centre
RODB	Regional OPMET DataBank
SARPS	Standards and Recommended Practices
SIGMET	Significant Meteorological Information
SVO	State Volcano Observatory
TWR	Aerodrome Control Tower
UoN	University of Nairobi
VAA	Volcanic Ash Advisory
VAAC	Volcanic Ash Advisory Centre
VONA	Volcanic Ash Notice for Aviation
VOLCEX25/01	1 st Volcanic Ash Exercise of 2025
VO	Volcano Observatory
WACAF	Western and Central Africa region

1.0 INTRODUCTION

- 1.1 Volcanic ash exercises are designed to test and validate end-to-end system readiness including: volcanic activity alerting, Aeronautical Information Service (AIS) and Meteorological (MET) message routing; dissemination of volcanic ash information; Air Traffic Management (ATM) procedures, air traffic flow and capacity management; aircraft operator response, and collaborative decision-making (CDM) among all stakeholders in accordance with regional and global procedures as established by the International Civil Aviation Organization (ICAO).
- 1.2 The main objective of these exercises is to strengthen inter-agency coordination and operational preparedness in response to volcanic activity, thereby safeguarding the regularity, efficiency and safety of air navigation in the event of an actual volcanic eruption within the AFI Region.
- 1.3 The specific objectives of AFI VOLCEX25/01 were to:
 - 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) Assess the 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.
- 1.4 These exercises are conducted bi-annually within the AFI region. The 1st and 2nd were led by Cape Verde and The Democratic Republic of Congo in 2021 and 2023 respectively. The Third ICAO AFI Volcanic Ash Exercise (VOLCEX25/01), initially scheduled for November 2025, was conducted on 26 February 2026 from 0900 to 1500 UTC to accommodate the availability of VAAC Toulouse. VOLCEX25/01 simulated the eruption of the Barrier Volcano in Kenya, located at N0219 E03634, with an elevation of 3,386 ft (1,032 m) and volcano number 222030.

- 1.5 The simulated ash plume reached FL550, with ash clouds moving northeast at 20KT from the surface to FL160, then east at 10KT between FL130 and FL250, and west at 20KT between FL200 and FL500. The plume affected the following States: Kenya, Ethiopia, South Sudan, Uganda, Democratic Republic of Congo, Rwanda, and Tanzania.
- 1.6 Pre-exercise preparations commenced in mid-2025. The framework of the VOLCEX25/01 Exercise Directive was developed based on guidance contained in the AFI Volcanic Ash Operational Instructions (OPINS). The final version of the Exercise Directive was subsequently disseminated to the cooperating agencies as provided under **Appendix A**. It was submitted to the International Civil Aviation Organization's Eastern and Southern African (ESAF) Office on 11 February 2026 for uploading on the ICAO website. The Directive was also published on the Kenya State Volcano Observatory website for reference.
- 1.7 In preparation for the exercise, NOTAM A0036/26 was issued one week prior to the scheduled activity to inform the aviation community of the forthcoming tabletop volcanic ash simulation in accordance with the requirements of the OPINS. Stakeholder sensitization was conducted on 24 February 2026 to ensure awareness of the exercise objectives, procedures, and communication arrangements.
- 1.8 Further to the exercise preparations, safety risk assessments were conducted by the aircraft operator, Kenya Airways, in accordance with the provisions of ICAO Doc 9974.
- 1.9 In addition, the Air Navigation Service Provider (ANSP) undertook a safety risk assessment in line with the requirements of Annex 19 to the Convention on International Civil Aviation and the guidance contained in ICAO Doc 9859 (Safety Management Manual). These assessments were aimed at ensuring that the exercise activities were conducted within an acceptable level of safety performance and in accordance with established safety management principles. These assessments are attached to this report.
- 1.10 Following a careful assessment of the prevailing operational environment, and in consultation with the AFI VOLCEX Steering Group (SG) Chairperson, the GO decision was made on the eve of the exercise based on the issuance of the preparatory NOTAM and confirmation that no actual volcanic activity or safety concerns were affecting aviation operations at the time.
- 1.11 The exercise was led by the Kenya Civil Aviation Authority (KCAA). Mr. Felix Odima, Principal Air Traffic Management Officer, served as the Exercise Leader assisted by Ms. Esther Nyaga, also a Principal Air Traffic Management Officer.

2.0 COOPERATING ORGANIZATIONS

- 2.1 The organizations that participated in VOLCEX25/01 are as provided in **Appendix A**.

3.0 COMMUNICATIONS

- 3.1 The exercise was coordinated through the Zoom platform; hosted by the ICAO ESAF Office.

- 3.2 Telephone or voice communications were preceded by the prefix **Exercise VOLCEX25/01** and ended with the phrase, **EXERCISE EXERCISE EXERCISE** as provided for in the AFI VA exercise Operational Instructions.
- 3.3 Telephone communication and email were used by the State Volcano Observatory, Nairobi, to communicate eruption details of the Barrier volcano and Volcano Observatory Notice for Aviation (VONA) to Nairobi ACC, Nairobi MWO and the VAAC Toulouse.
- 3.4 Telephone communications were used during inter-unit coordination.
- 3.5 Special air reports were transmitted by Kenya Airways flights with a special call sign, KQA 333, to the Nairobi ACC who relayed them to all traffic via VHF radio and via AFTN to Nairobi MWO. The Nairobi MWO transmitted the special air report received from the Nairobi ACC to VAAC Toulouse via AFTN.
- 3.6 AMHS and AFTN Platforms were used for handling SIGMETs and NOTAM during the exercise.
- 3.7 Volcanic ash information flow and coordination is depicted in **Appendix B**.

4.0 LOG OF EXERCISE OPERATION

OPENING CEREMONY

- 4.1 The opening ceremony of the 2025 AFI Volcanic Ash Exercise was graced by representatives from the ICAO ESAF and WACAF Offices. The session was moderated by the ESAF Regional Officer, Environment and Meteorology, and the WACAF Regional Officer Meteorology.
- 4.2 Welcoming remarks were delivered by the Director, Air Navigation Services (Kenya), followed by remarks from the Director, Aviation Safety (Kenya). The statement of the Director General of KCAA, who was engaged in other official duties, was delivered on his behalf by the Director, Aviation Safety (Kenya).
- 4.3 The Regional Director, WACAF delivered the opening remarks on behalf of the ICAO ESAF and WACAF Offices and officially declared the 2025 AFI Volcanic Ash Exercise open.
- 4.4 The exercise then progressed as outlined below, in accordance with the final Exercise Directive and the established volcanic ash contingency procedures.

EXERCISE TIMELINE

- 4.5 Nairobi Volcano Observatory initiated call to the Nairobi ACC at 0931Z, the Nairobi MWO at 0932Z and VAAC Toulouse at 0933Z informing the units that the Barrier Volcano, PSN N0219 E03634, erupted at 0900Z, colour code RED.
- 4.6 At 0932Z, Nairobi ACC advised the Duty technician through the tie-line to ensure that the tapes are recording, which was confirmed.
- 4.7 At 0934Z, the Volcano Observatory issued the 1st exercise VONA to the units in 4.1 above via email kenya-svo@uonbi.ac.ke.
- 4.8 At 0935Z, Nairobi ACC confirmed the receipt of the 1st Exercise VONA via email, acknowledging the same.
- 4.9 At 0937Z, Nairobi Volcano Observatory received ACC's acknowledgement of the VONA via email.
- 4.10 At 0944Z, Nairobi Volcano Observatory received VAAC Toulouse's acknowledgement of the VONA via email.
- 4.11 At 0945Z, VAAC Toulouse issued the 1st Exercise VAA/VAG via AFTN/AMHS.
- 4.12 At 0945Z, Nairobi ACC confirmed receipt of the 1st Exercise VAA/VAG from VAAC Toulouse via AFTN.

- 4.13 At 0946Z, Nairobi MWO confirms receipt of the 1st Exercise VAA/VAG from VAAC Toulouse via AFTN.
- 4.14 At 0946Z, 1st Exercise NOTAM was issued by Nairobi NOF through AFTN/AMHS.
- 4.15 At 0946Z, Nairobi ACC/FIC confirmed receiving the 1st NOTAM, V0006/26 via AFTN/AMHS.
- 4.16 At 0946Z, Nairobi MWO confirmed receiving the 1st NOTAM, V0006/26 via AFTN/AMHS.
- 4.17 At 0946Z, Nairobi RCC confirmed receipt of the 1st exercise NOTAM V0006/26 via AFTN/AMHS.
- 4.18 At 0947Z, Nairobi MWO issued the 1st SIGMET via AFTN/AMHS.
- 4.19 At 0947Z, Nairobi NOF confirmed receipt of the 1st SIGMET via AFTN/AMHS.
- 4.20 At 0947Z, Nairobi RCC confirmed receipt of the 1st exercise SIGMET via through AFTN/AMHS.
- 4.21 At 0948Z, Nairobi ACC confirmed receipt of the 1st SIGMET via AFTN/AMHS.
- 4.22 At 0950Z, broadcast made to all traffic on VHF radio by Nairobi ACC when prompted to apply ATC measures.
- 4.23 At 0952Z, Nairobi ACC called Nairobi RCC via telephone to inform of the eruption of the Barrier Volcano.
- 4.24 At 0953Z, neighbouring ACC/FICs, Addis ACC, Dar es Salam ACC and Juba FIC advised. Unable to reach Entebbe ACC on phone.
- 4.25 At 0954Z, shift Supervisor, advised. The shift supervisor escalates the information upwards to the Director General through the Deputy Director ATM and the Director ANS thereby activating the Nairobi FIR ATM contingency plan that includes the VACP.
- 4.26 At 0955Z, KQA333 makes a Special air report on Volcanic Ash through VHF radio to Nairobi ACC. ACC codes the special air report in accordance to Annex 11 requirements.
- 4.27 At 0956Z, Nairobi ACC made a broadcast to all traffic on frequency 121.3MHZ about the Special Air Report transmitted by KQA333.
- 4.28 At 0956Z, RCC activated its internal measures by putting the SAR in charge on standby;
- 4.29 At 0958Z, Nairobi ACC transmits the special Air Report to Nairobi MWO via AFTN/AMHS;

- 4.30 At 0958Z, Nairobi ACC called Nairobi MWO called on tie-line to notify them that they have sent the Special Air Report and the MWO confirmed receipt;
- 4.31 At 1001Z, RCC activated its internal measures by putting the SAR SMCs on standby;
- 4.32 At 1002Z, RCC activated its internal measures by putting the cluster 1 agency 1 on standby
- 4.33 At 1004Z, RCC activated its internal measures by putting the cluster 1 agency 2 on standby
- 4.34 At 1004Z, Nairobi MWO relayed the special air report received from Nairobi ACC to VAAC Toulouse, RODB Dakar and RODB Pretoria via AFTN.
- 4.35 At 1005Z, Nairobi MWO did not receive the 2nd SIGMET from Entebbe since it was sent via email as reported by Entebbe MWO.
- 4.36 At 1008Z, RCC activated its internal measures by putting the cluster 1 agency 3 on standby.
- 4.37 At 1010Z, Entebbe issued the 2nd exercise NOTAM.
- 4.38 At 1010Z, Nairobi NOF confirms receipt of the 2nd NOTAM issued by Entebbe;
- 4.39 At 1011Z, RCC activated its internal measures by putting the cluster 1 agency 4 on standby;
- 4.40 At 1013Z, RCC activated its internal measures by putting the cluster 1 agency 5 on standby
- 4.41 At 1015Z, RCC called Dar es Salam RCC advising them of the eruption;
- 4.42 At 1018Z, RCC called Entebbe RCC but was unable to get a response.
- 4.43 At 1019Z, RCC called Addis RCC but line 1 was not going through.
- 4.44 At 1020Z, RCC called Addis RCC but line 2 was not going through;
- 4.45 At 1021Z, RCC called Juba ATC/RCC but the line was not going through;
- 4.46 At 1025Z, Juba AMO could not be reached to confirm receipt of SIGMETs due internet connectivity issues;
- 4.47 At 1030Z, Juba ARO could not be reached to confirm receipt of NOTAM due internet connectivity issues;
- 4.48 At 1030Z, Juba FIC applied ATC measures by making a broadcast to its traffic;
- 4.49 At 1040Z, there was no response from Addis MWO regarding 3rd exercise SIGMET;
- 4.50 At 1044Z, Nairobi NOF confirmed receipt of the 3rd Exercise NOTAM from Addis NOF;

Identified Action: The NOTAM had an error (coordinates mismatch) and went to the rejected NOTAM tray.

- 4.51 At 1045Z, Addis ACC/FIC applied ATC Measures by making a broadcast to all traffic and called Juba, Entebbe and Nairobi FIRs;
- 4.52 At 1053Z, the 4th Exercise SIGMET was received from Dar es Salaam MWO;
- 4.53 At 1058Z, the 4th Exercise NOTAM was received from Dar es Salaam NOF;
- 4.54 At 1100Z, Dar es Salaam ACC applied ATC measures by broadcasting on VHF radio to all traffic, updating ATC logbook, advising the supervisor;
- 4.55 At 1111Z, Kigali NOF reported sending 4th exercise ASHTAM but was not received by Nairobi NOF;
- 4.56 At 1116Z, the 5th exercise SIGMET from Kigali MWO was received by Nairobi ACC and Nairobi MWO;
- 4.57 At 1120Z, Kigali ACC applied ATC measures by broadcasting to all aircraft;
- 4.58 At 1125Z, there was no response from Kinshasa MWO regarding 6th exercise SIGMET;
- 4.59 At 1130Z, there was no response from Kinshasa NOF regarding 6th exercise ASHTAM/NOTAM;
- 4.60 At 1135Z, there was no response from Kinshasa ACC regarding application of ATC measures;
- 4.61 Between 1135Z and 1145Z VAAC Toulouse, Nairobi BCC, RODB Pretoria and Dakar and Kenya CAA oversight participated in the 1st teleconference;
- 4.62 Nairobi Volcano Observatory called the Nairobi ACC at 1146Z, Nairobi MWO at 1147Z and VAAC Toulouse at 1148Z informing that the Barrier Volcano, PSN N0219 E03634, erupted at time 0900Z, colour code RED;
- 4.63 At 1147Z, the Nairobi ACC advised the duty technician to check recording;
- 4.64 At 1148Z, the Nairobi Volcano Observatory sent the 2nd Exercise VONA;
- 4.65 At 1149Z, 2nd VONA issued by Nairobi Volcano Observatory via email received and acknowledged by Nairobi ACC;
- 4.66 At 1151Z, 2nd VAA/VAG received by Nairobi MWO and Nairobi ACC via AFTN;
- 4.67 At 1152Z, 2nd VONA issued by Nairobi Volcano Observatory received and acknowledged by Nairobi MWO;
- 4.68 At 1155Z, 7th exercise SIGMET issued by Nairobi MWO based on VAA/VAG via AFTN/AMHS;

- 4.69 At 1155Z, 7th exercise SIGMET received by Nairobi ACC and Nairobi RCC via AFTN/AMHS;
- 4.70 At 1156Z, 7th exercise SIGMET received by Nairobi NOF via AFTN/AMHS;
- 4.71 At 1201Z, 7th exercise NOTAM (V0007/26) issued by Nairobi NOF via AFTN/AMHS;
- 4.72 At 1201Z, 7th exercise NOTAM received by Nairobi ACC and Nairobi RCC via AFTN/AMHS;
- 4.73 At 1202Z, 7th exercise NOTAM received at Nairobi MWO via AFTN/AMHS;
- 4.74 At 1205Z, broadcast made to all traffic by Nairobi ACC when prompted to apply ATC measures;
- 4.75 At 1205Z, neighbouring FIRs, Addis FIR, DAR FIR and JUBA FIC were advised by Nairobi ACC via telephone;
- 4.76 At 1205Z, Nairobi ACC advised Nairobi RCC;
- 4.77 At 1205Z, Nairobi ACC advised the Supervisor;
- 4.78 At 1206Z, Nairobi RCC received a call from Nairobi ACC notifying of the eruption;
- 4.79 At 1211Z, KQA333 transmitted the 2nd special air report on VHF radio to Nairobi ACC;
- 4.80 At 1212Z, broadcast made to all traffic by Nairobi ACC on the frequency 121.3MHZ about the Special Air Report made by KQA333;
- 4.81 At 1214Z, ACC transmits the special Air Report by KQA333 to the Nairobi MWO via AFTN/AMHS;
- 4.82 At 1215Z, Nairobi ACC called the Nairobi MWO notifying them of the transmitted Special Air Report;
- 4.83 At 1217Z, Nairobi MWO relayed the 2nd special air report received from Nairobi ACC to VAAC Toulouse, RODB Dakar and RODB Pretoria via AFTN;
- 4.84 At 1222Z, Nairobi NOF received the 8th NOTAM from Entebbe NOF, earlier than slotted time (1225);
- 4.85 At 1225Z, Nairobi MWO did not receive the 8th SIGMET from Entebbe MWO;
- 4.86 At 1240Z, Juba AMO could not be reached to confirm receipt of 8th SIGMET due internet connectivity issues;
- 4.87 At 1245Z, Juba ARO could not be reached to confirm receipt of 8th NOTAM due internet connectivity issues;

- 4.88 At 1255Z, the 9th exercise SIGMET was not received from Addis MWO;
- 4.89 At 1255Z, the 9th exercise NOTAM from Addis NOF was received by Nairobi ACC;
- 4.90 At 1305Z, Addis ACC/FIC did not apply ATC Measures since they were not reachable on the zoom link;
- 4.91 At 1305Z, Addis ACC/FIC did not confirm application of ATC measures since they were not reachable on the zoom link;
- 4.92 At 1306Z, the 10th Exercise SIGMET from Dar es Salaam MWO was received by Nairobi ACC and Nairobi MWO via AFTN/AMHS;
- 4.93 At 1310Z, the 10th exercise NOTAM from Dar es Salaam MWO was received at Nairobi BCC and distributed accordingly via AFTN/AMHS;
- 4.94 At 1315Z, Dar es Salaam ACC applied ATC measures by broadcasting on VHF radio to all traffic, updating ATC logbook, advising the supervisor and neighbouring States;
- 4.95 At 1318Z, the 10th Exercise SIGMET from Dar es Salaam MWO was received at Nairobi NOF via AFTN/AMHS;
- 4.96 At 1318Z, the 10th exercise NOTAM was received by Nairobi NOF;
- 4.97 At 1320Z, the 11th Exercise SIGMET from Kigali MWO was received by Kigali NOF and Nairobi BCC and distributed accordingly via AFTN/AMHS;
- 4.98 At 1323Z, the 11th Exercise SIGMET from Kigali MWO was received by Nairobi NOF via AFTN/AMHS;
- 4.99 At 1328Z, the 11th Exercise ASHTAM from Kigali NOF was received by Nairobi BCC and distributed accordingly via AFTN/AMHS;
- 4.100 At 1330Z, Kigali ACC/FIC applied ATC measures by broadcasting to all aircraft, logging, and coordinated with Dar es Salaam and Entebbe FIRs;
- 4.101 At 1340Z, the 12th Exercise SIGMET was not received from Kinshasa MWO;
- 4.102 At 1345Z, the 12th Exercise NOTAM/ASHTAM was not received from Kinshasa NOF;
- 4.103 At 1350Z, Kinshasa ACC did not confirm application of ATC measures since they were not reachable on the zoom platform;
- 4.104 Between 1350Z and 1400Z VAAC Toulouse, Nairobi BCC, RODB Pretoria and Dakar and the KCAA oversight participated in the 2nd exercise teleconference;

- 4.105 Volcano Observatory called the Nairobi ACC at 1400Z, Nairobi MWO at 1401Z and VAAC Toulouse at 1402Z informing of the cessation of the unrest of the Barrier Volcano, colour code GREEN;
- 4.106 At 1402Z, Nairobi Volcano Observatory sent cancellation VONA to Nairobi ACC, Nairobi MWO and VAAC Toulouse via email;
- 4.107 At 1402Z, Nairobi MWO acknowledged receipt of the cancellation VONA;
- 4.108 At 1402Z, Nairobi ACC advised the Supervisor about the cessation of unrest of Barrier Volcano via phone;
- 4.109 At 1403Z, Nairobi ACC acknowledged receipt of the cancellation VONA;
- 4.110 At 1404Z, VAAC Toulouse acknowledged receipt of the cancellation VONA;
- 4.111 At 1406Z, Nairobi Volcano Observatory acknowledged receipt of the cancellation VONA;
- 4.112 At 1410Z, Exercise cancellation VAA/VAG sent by VAAC Toulouse and received by Nairobi MWO via AFTN/AMHS;
- 4.113 At 1411Z, Nairobi MWO issued the exercise cancellation SIGMET via AFTN/AMHS;
- 4.114 At 1411Z, exercise cancellation SIGMET received by Nairobi NOF via AFTN/AMHS;
- 4.115 At 1415Z, Nairobi RCC received a call from Nairobi ACC advising of the cessation of unrest of the Barrier volcano;
- 4.116 At 1415Z, all participating MWO were directed to cancel their SIGMETs.
- 4.117 At 1416Z, cancellation SIGMETS from Dar es Salaam and Kigali were received by Nairobi BCC via AFTN/AMHS;
- 4.118 At 1418Z, Nairobi NOF confirmed receipt of cancellation SIGMET from Dar es Salaam via AFTN/AMHS;
- 4.119 At 1426Z, Nairobi NOF issued a cancellation NOTAM V0008/26 for the exercise;
- 4.120 At 1426Z, cancellation NOTAM V0008/26 from Nairobi NOF received by Nairobi BCC and distributed accordingly via AFTN/AMHS;
- 4.121 At 1429Z, Cancellation NOTAM from Entebbe NOF and Kigali NOF were received by Nairobi NOF and Nairobi BCC via AFTN/AMHS, a minute earlier than required;
- 4.122 At 1430Z, All participating NOFs were directed to cancel their NOTAMs;
- 4.123 At 1435Z, Cancellation NOTAM from Dar es Salaam NOF was received by Nairobi NOF and Nairobi BCC via AFTN/AMHS;

- 4.124 At 1438Z, VOLCEX25/01 Exercise leader announces the cessation of the Exercise;
- 4.125 At 1439Z, Nairobi ACC advised the Supervisor of the cessation of the exercise;
- 4.126 At 1441Z, Cancellation NOTAM from Addis NOF was received by Nairobi NOF and Nairobi BCC via AFTN/AMHS;
- 4.127 Between 1440 - 1511Z, the last exercise teleconference was undertaken. All the participants lined up to speak did participate except the Entebbe, Addis and Kigali RCCs, Juba and Kinshasa NOFs and MWOs and ASECNA.
- 4.128 At 1512Z, the exercise leader handed the meeting over to the ICAO ESAF Secretariat.

CLOSING CEREMONY

- 4.129 At 1513Z, The ESAF Regional Officer, Environment and Meteorology thanked the Exercise leader and his assistant for the work well done and welcomed all to the closing ceremony.
- 4.130 Between 1514 – 1517Z, the closing speech by the Director General of the Kenya Civil Aviation Authority, who was engaged in other official duties, was delivered on his behalf by the Director of Aviation Safety. In her remarks, she noted that Kenya was pleased to have hosted the regional activity and acknowledged the support from the ICAO ESAF and WACAF Offices, as well as all participating agencies, for their dedication and participation. She emphasized that Kenya remains committed to working closely with AFI States, ICAO and partner institutions to further advance aviation safety.
- 4.131 At 1518Z, the ESAF Regional Officer for Environment and Meteorology, on behalf of the Regional Director of ICAO ESAF, delivered her remarks conveying appreciation to the Lead State, Kenya, for supporting ICAO and leading the activity. She also expressed gratitude to all participants for their constructive engagement during the exercise and extended appreciation to the Director General, KCAA. Further appreciation was given to the AFI VOLCEX Steering Group Chairperson for his exceptional leadership throughout the planning and execution of the exercise.
- 4.132 At 1521Z, on behalf of the WACAF Office, Regional Officer, ATM/SAR conveyed his appreciation to the participants, commending the Exercise Leader for conducting the exercise with professionalism and expertise. He also acknowledged the crucial roles played by Kenya Airways, the ANSPs, and all other participating stakeholders, noting that the lessons learned from the exercise would contribute to improvements in future activities.
- 4.133 At 1523Z, the ESAF Regional Officer for Environment and Meteorology, on behalf of the ESAF and WACAF Regional Directors, officially declared the 2025 AFI Volcanic Ash Exercise meeting closed.
- 4.134 For a full list of exercise messages issued, see **Appendix C**.

5.0 LESSONS LEARNED

- 5.1 The 7th edition of the AMBEX handbook does not contain all addresses to be used for exchange of messages.
- 5.2 Effective coordination among the participating agencies is necessary to ensure the successful delivery of the exercise.
- 5.3 Not all States are connected to the AFTN/AMHS network.
- 5.4 The Exercise leader should be an officer from Air Traffic Management (ATM) domain.
- 5.5 Where many States are participating, resulting in extended exercise duration, there is need for additional person(s) to assist the Exercise Leader.
- 5.6 Despite sensitization, some stakeholders were not aware of the volcanic ash exercise.
- 5.7 Although Kenya established Letters of Agreements with neighbouring States, these agreements do not include provisions for volcanic ash.
- 5.8 Changes in flight scheduling affected the transmission of Special Air Reports.
- 5.9 The transition from Microsoft Teams to Zoom on 26 February 2026 had some impact on the ability of certain participants to join and actively participate in the exercise.
- 5.10 The coded format of the Special Air Report provided in the AFI VACP, as transmitted by the MWO, is at variance with the provisions of Annex 3, C. 5.9.6 /ICAO Doc. 10157, PANS-MET, C. 3.1.3.
- 5.11 While Kenya has established the Nairobi FIR ATM contingency plan, which includes provisions for the Volcanic Ash Contingency Plan, it was not fully activated.
- 5.12 There is no specific guidance provided in the AFI VA exercise OPINS on how to communicate the GO/NO GO decision. The GO decision was based on the preparatory NOTAM issued on 19 February 2026, in the absence of any reported safety concerns.
- 5.13 The correct NOTAM series were not used by some States when reporting Volcanic ash information.
- 5.14 The ASHTAM/NOTAM series to be used during the exercises and real events as well as other aeronautical information, should be promulgated in the State's AIP under Gen 3.1.
- 5.15 Establishing points of contact with some State volcano observatories within the AFI region was unsuccessful for example, Cabo Verde, Eritrea, Comoros.
- 5.16 During the exercise, activities requiring operational priority but not warranting its suspension or cancellation, may necessitate the delay or temporary suspension of actions by a specific unit during its allocated exercise time slot.

- 5.17 Unexpected non-participation of key States, for example, constraints experienced by the Democratic Republic of Congo, which negatively impacted on the progression of the exercise.
- 5.18 Early withdrawal by some States impacted negatively on the smooth progression of the exercise.

6.0 RECOMMENDATIONS

- 6.1 Install an AMHS position at the Nairobi Volcano Observatory. This will facilitate the direct receipt and distribution of VONA messages via AMHS, improving both efficiency and reliability.
- 6.2 Establish a letter of Agreement between KCAA, the Meteorological Service Provider for Air Navigation and the State Volcano Observatory regarding volcanic ash as provided by ICAO Doc 9766.
- 6.3 Regular refresher training and bi-annual simulation exercises interfaced with the ICAO calendar for operational staff to strengthen coordination and response time.
- 6.4 Review the Nairobi FIR ATM contingency plan to incorporate all the provisions of ICAO Doc. 9766.
- 6.5 Review Letters of Agreement with neighbouring states to include provisions for volcanic ash.
- 6.6 The on-going project of updating the AMBEX handbook should be used to ensure correct addresses are used for addressing aeronautical messages.
- 6.7 ICAO to pursue the AFTN/AMHS connectivity amongst all States, e.g. between Nairobi FIR and Juba FIC and Djibouti.
- 6.8 Revise the AFI Volcanic Ash Exercise Operational Instructions to clearly state that the exercise leader should be from ATM service provider.
- 6.9 A provision to be made in the AFI Volcanic Ash Exercise Operational Instructions for an assistant to the exercise leader.
- 6.10 The AFI Volcanic Ash Exercise Operational Instructions should include standardized templates for each message to ensure consistency and clarity in communications during the exercise, e.g., VONA and Special Air Reports.
- 6.11 Participating airlines should be onboarded at the onset of exercise preparation through IATA to ensure participation and adequate coordination.
- 6.12 There is need to have effective mechanisms in place to ensure all aviation stakeholders are adequately sensitized regarding volcanic ash exercises and actual events, e.g. Interpretation of messages (NOTAM/SIGMETs) and timelines for airline staff.
- 6.13 Schedule a pre-exercise teleconference one day prior to the volcanic ash exercise using the ICAO platform to be used to enable participants familiarize themselves with the platform.

- 6.14 Ensure that during such exercises and real events, the State's ATM Contingency plan that incorporates the Volcanic Ash Contingency Plan, is fully activated to support dissemination of information.
- 6.15 Review the AFI VACP to ensure it aligns with the requirements of Annex 3, C. 5.9.6, for MWO to transmit special air reports received from the ACC in the format in which they are received (pg. 45, 55). Also, align the VONA template in the AFI VACP to the provision in ICAO Doc. 10157, PANS-MET, Appendix 7.
- 6.16 The ASHTAM / NOTAM series to be used during the exercises should be promulgated in the respective States' AIPs under Gen 3.1.
- 6.17 AFI VA OPINS should include specific guidance on how to communicate the GO/NO GO decision eg via email.
- 6.18 State Volcano Observatories within the AFI region should update their focal point details in ICAO Doc. 9766 to facilitate effective participation.
- 6.19 When operational circumstances not warranting the suspension or cancellation of the exercise become a priority in a particular unit during the exercise, there should be provision to delay or suspend the exercise action that should be undertaken by that unit at that time.
- 6.20 VAAC Toulouse to update their AMHS/AFTN address if it has changed since what was used (LFPWYMEU) was at variance to what is documented in ICAO Doc. 9766 (LFPWYMYX or LFPWYMCR).
- 6.21 Johannesburg Communication Centre and the NOTAM office are to be included as participants in future exercises for monitoring purposes.
- 6.22 Message delays between VAAC Toulouse and RODB Dakar to be investigated (Advisory messages were reported to have been received in +7 minutes).
- 6.23 The second SIGMET issued by Nairobi MWO during the second session was not received at RODB Pretoria. This needs to be investigated.
- 6.24 Meteorological Watch Offices (MWOs) are encouraged to use the correct channel of transmission, instead of email.
- 6.25 Participating States are requested to ensure full participation, as early withdrawal had a negative impact on the progression of the exercise.

6.26 States identified during the planning process, based on the VAAC Toulouse exercise scenarios, for participation in Volcanic Ash Exercises should ensure full and active engagement in the exercise.

7.0 CONCLUSIONS

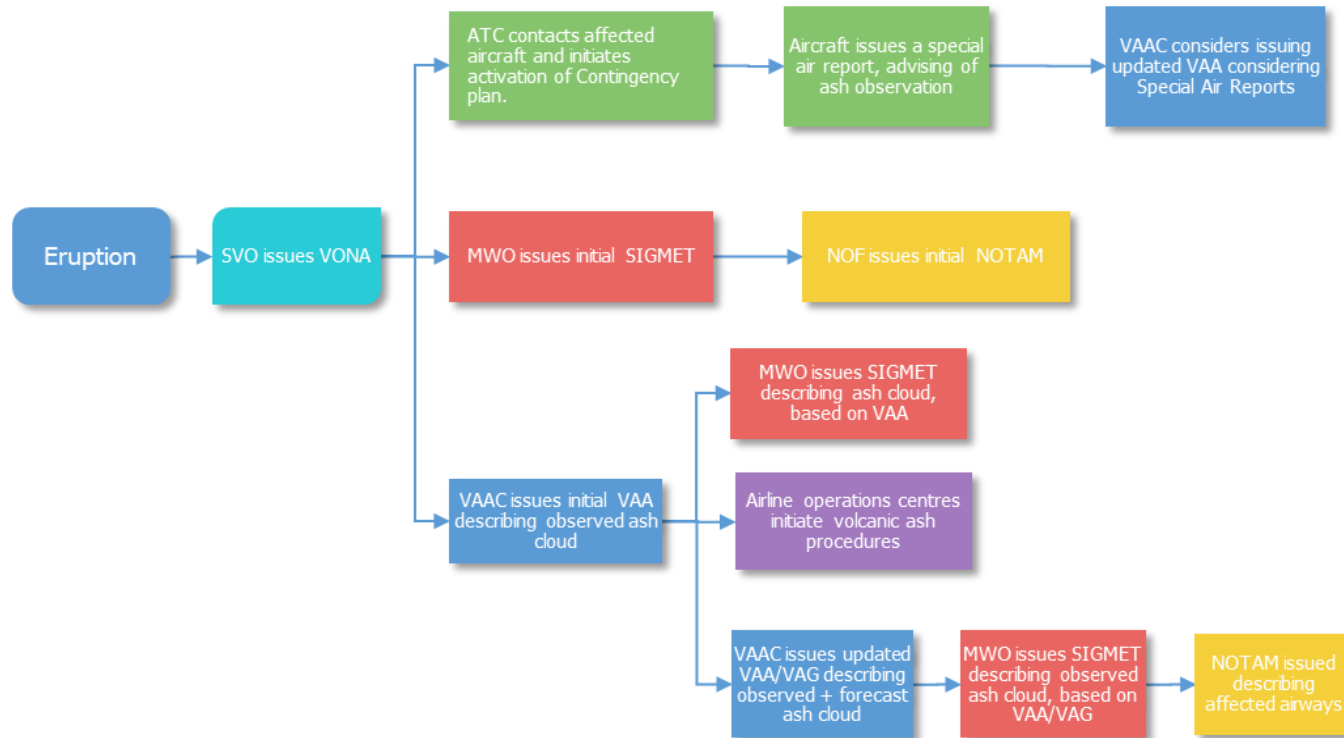
- 7.1 The third ICAO AFI Volcanic Ash Exercise (VOLCEX25/01), conducted on 26 February 2026, proved to be an extremely valuable and successful event for all participating agencies from the AFI Region. The exercise successfully achieved its primary objective of simulating the response to the volcanic eruption of the Barrier Volcano in Kenya. It provided a critical platform to test and enhance inter-agency coordination, operational readiness, and the application of regional volcanic ash contingency procedures.
- 7.2 The exercise effectively demonstrated the activation of communication protocols and the dissemination of critical information, including VONA messages, SIGMETs, NOTAM, and Special Air Reports (ARS). The involvement of key stakeholders validated the collaborative decision-making processes essential for maintaining safety in the event of a real volcanic eruption. The simulation of ash clouds at multiple flight levels and affecting several neighboring states successfully tested the complexity of regional coordination.
- 7.3 While the exercise was a success, it also highlighted critical areas of improvement. The challenges experienced during the exercise underscore the need to investigate any shortcomings in the current communication infrastructure. This, along with the need for enhanced connectivity and adequate sensitization of stakeholders, provides a clear path for targeted improvements.
- 7.4 AFI VOLCEX25/01 was a successful test of existing communication infrastructure and procedures. The exercise was a crucial diagnostic tool that identified concrete steps to bolster the resilience and efficiency of the volcanic ash information chain in the AFI Region.
- 7.5 The lessons learned and the subsequent recommendations are instrumental in strengthening regional cooperation, improving communication networks, and ultimately enhancing the safety, regularity, and efficiency of international air navigation against the hazard of volcanic ash. The enthusiasm and cooperation demonstrated by all participants reaffirm the collective commitment to continuous improvement and operational preparedness.

Appendix A: Cooperating Agencies

AREA OF RESPONSIBILITY	AGENCY	STATE/REGION
Chairperson, AFI VOLCEX SG	AFI VOLCEX SG	Kenya
Exercise Leader - ANSP	Kenya ANSP (ATM)	Kenya
Assistant Exercise Leader - ANSP	Kenya ANSP (ATM)	Kenya
VO	State Volcano Observatory -	Kenya
	State Volcano Observatory -	Ethiopia
	State Volcano Observatory -	Cameroun
	State Volcano Observatory -	Comoros
	State Volcano Observatory -	Cape Verde
	State Volcano Observatory -	D.R. Congo
	State Volcano Observatory -	Eritrea
VAAC	VAAC Toulouse	France
MWO	Nairobi MWO	Kenya
	Dar es Salaam MWO	Tanzania
	Entebbe MWO	Uganda
	Kigali MWO	Rwanda
	Kinshasa MWO	D.R. Congo
	Addis MWO	Ethiopia
	Juba AMO	South Sudan
NOF/ARO - ANSP	Nairobi NOF	Kenya
	Dar es Salaam NOF	Tanzania
	Entebbe NOF	Uganda

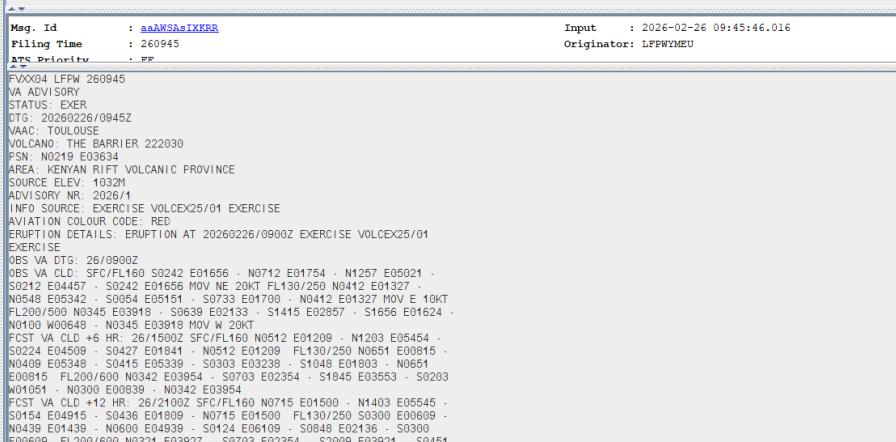
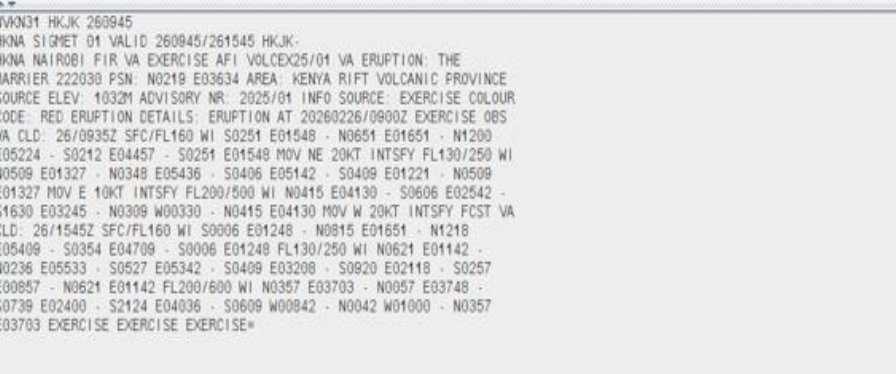
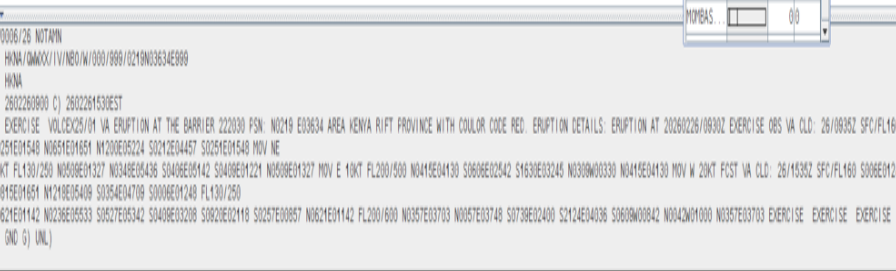
	Kigali NOF	Rwanda
	Kinshasa NOF	D.R. Congo
	Addis NOF	Ethiopia
	Juba ARO	South Sudan
ACC/FIC - ANSP	Nairobi ACC/FIC	Kenya
	Dar es Salaam ACC/FIC	Tanzania
	Entebbe ACC/FIC	Uganda
	Kigali ACC/FIC	Rwanda
	Kinshasa ACC/FIC	D.R. Congo
	Addis ACC/FIC	Ethiopia
	Juba FIC	South Sudan
RCCs	Nairobi RCC	Kenya
	Dar es Salaam RCC	Tanzania
	Entebbe RCC	Uganda
	Kigali RCC	Rwanda
	Ethiopia RCC	Ethiopia
BCCs	Nairobi BCC	Kenya
	Kinshasa BCC	D.R. Congo
Airlines Coordination	IATA	IATA Africa and Middle East
Regulation	Kenya CAA	Kenya
Participating Airline	Kenya Airways	Kenya
International and inter-regional Exercise coordination	ICAO ESAF Office	Kenya
	ICAO WACAF Office	Senegal
OPMET Databanks	RODB Pretoria	South Africa
	RODB Dakar	Senegal
ASECNA	ASECNA	Senegal

Appendix B: Volcanic Ash Information Flow and Coordination Process

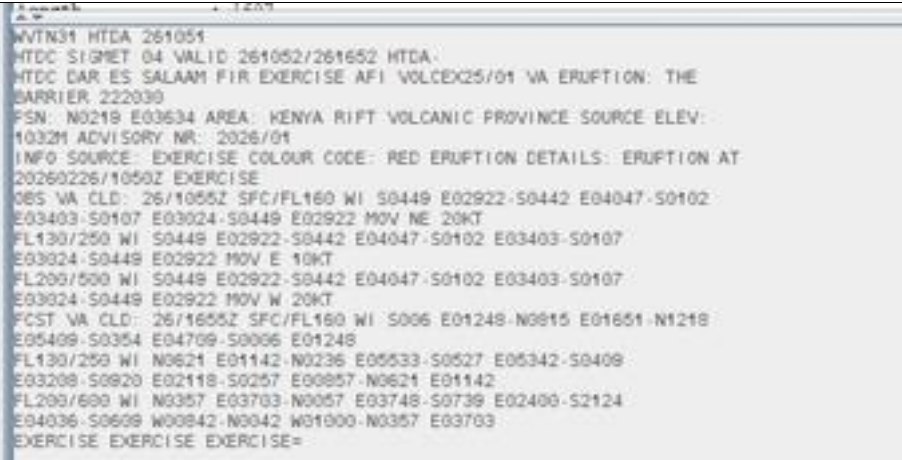
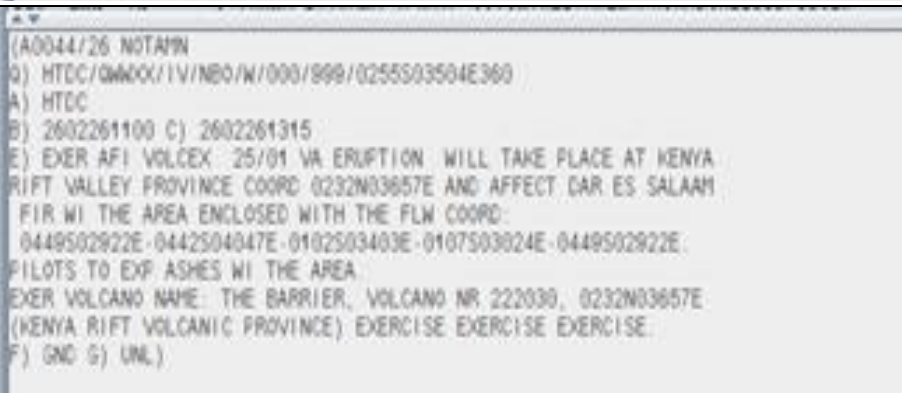


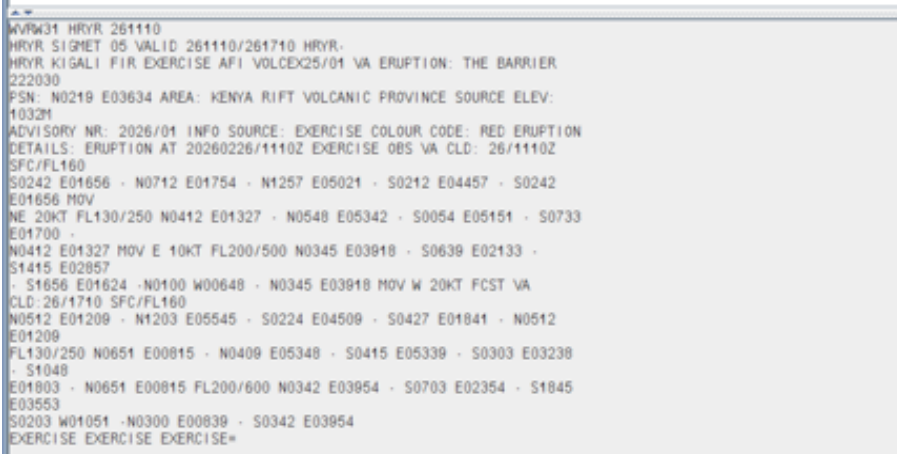
Appendix C: Exercise Message Log

MESSAGE/RESPONSE UNIT/AERODROME	Product/Message	Remarks
1st VONA by Nairobi Volcano Observatory	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 COLOUR CODE: RED 10) PREVIOUS COLOUR CODE: Yellow 11) SVO: NAIROBI VOLCANO OBSERVATORY 12) ACT STS: ERUPTION ONGOING SINCE 0900Z 13) ONSET: 20260226/0900Z 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	Transmitted via email

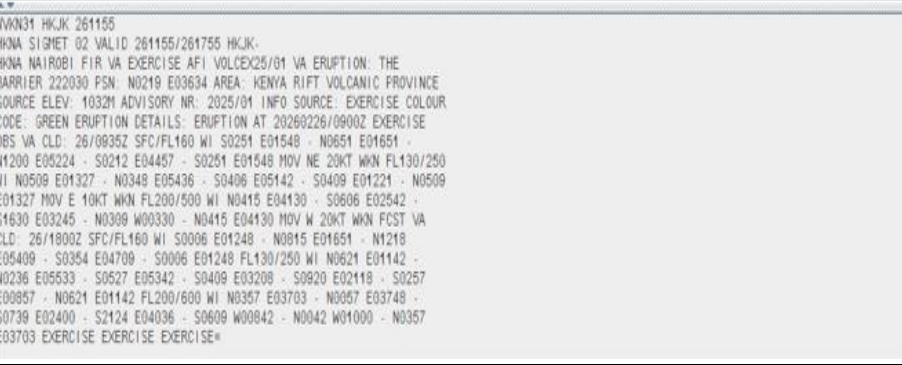
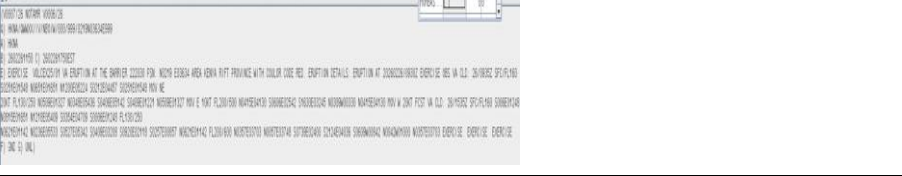
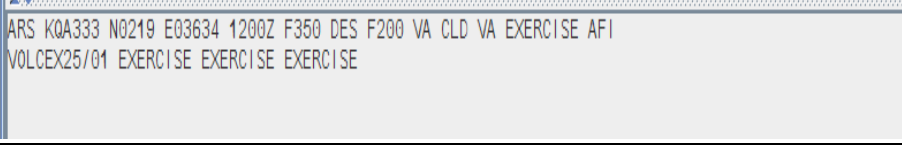
1st VAA/VAG from VAAC Toulouse		Transmitted via AFTN/AMHS
1st SIGMET – MWO - HKJK		Transmitted via AFTN/AMHS
1st NOTAM – NOF – HKJK		Transmitted via AMHS

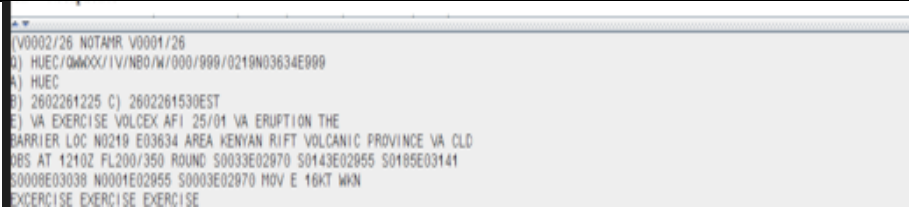
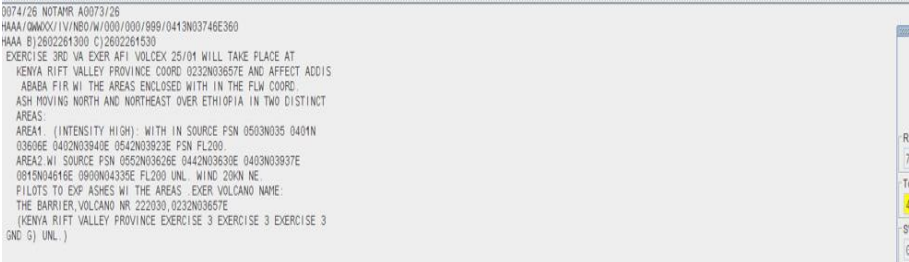
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2nd NOTAM-NOF- HUEN	*** (V0001/26 NOTAMN Q) HUEC/QMWOX/IV/NBO/W/000/999/0219N03634E099 A) HUEC B) 2602260900 C) 2602261530EST E) EXERCISE VOLCEX25/01 VA ERUPTION AT THE BARRIER 222030 PSN: N0219 E03634 AREA KENYA RIFT PROVINCE WITH COULOR CODE RED. ERUPTION DETAILS: ERUPTION AT 20260226/0930Z EXERCISE OBS VA CLD: 26/0936Z SFC/FL160 S0251E01548 N0651E01651 N1200E05224 S0212E04457 S0251E01548 MOV NE 20KT FL130/250 N0508E01327 N0348E05436 S0406E05142 S0408E01221 N0508E01327 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 S0408E03208 S0920E02110 S0257E00857 N0621E01142 FL200/600 N0357E03703 N0057E03748 S0738E02400 S2124E04036 S0609W00842 N0042W01000 N0357E03703 EXERCISE EXERCISE EXERCISE F) GND G) UNL)	Transmitted via AFTN/AMHS
3rd SIGMET - MWO - HAAB	Not received	Not received
3rd NOTAM-NOF- HAAB	*** (A0074/26 NOTAMR A0073/26 Q) HAAA/QMWOX/IV/NBO/W/000/000/999/0413N03746E360 A) HAAA B) 2602261300 C) 2602261530 E) EXERCISE 3RD VA EXER AFI VOLCEX 25/01 WILL TAKE PLACE AT KENYA RIFT VALLEY PROVINCE COORD 0232N03657E AND AFFECT ADDIS ABABA FIR WI THE AREAS ENCLOSED WITH IN THE FLW COORD. ASH MOVING NORTH AND NORTHEAST OVER ETHIOPIA IN TWO DISTINCT AREAS: AREA1. (INTENSITY HIGH): WITH IN SOURCE PSN 0503N035 0401N 0360E 0402N03940E 0542N03923E PSN FL200. AREA2 WI SOURCE PSN 0552N03626E 0442N03630E 0403N03937E 0815N04616E 0900N04335E FL200 UNL. WIND 20KN NE. PILOTS TO EXP ASHES WI THE AREAS. EXER VOLCANO NAME: THE BARRIER VOLCANO NR 222030. 0232N03657E (KENYA RIFT VALLEY PROVINCE EXERCISE 3 EXERCISE 3 EXERCISE 3 F) GND G) UNL.)	Transmitted via AFTN

4th SIGMET- MWO-HTDA	 WVTN31 HTDA 261051 HTDC SIGMET 04 VALID 261052/261652 HTDA: HTDC DAR ES SALAAM FIR EXERCISE AFI VOLCEX25/01 VA ERUPTION: THE BARRIER 222030 FSN: 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 S0449 E02922-S0442 E04047-S0102 E03403-S0107 E03024-S0449 E02922 MOV NE 20KT FL130/250 WI S0449 E02922-S0442 E04047-S0102 E03403-S0107 E03024-S0449 E02922 MOV E 10KT FL200/500 WI S0449 E02922-S0442 E04047-S0102 E03403-S0107 E03024-S0449 E02922 MOV W 20KT FCST VA CLD: 26/1655Z SFC/FL160 WI S006 E01248-N0615 E01651-N1218 E05409-S0354 E04709-S0066 E01248 FL130/250 WI N0621 E01142-N0236 E05533-S0527 E05342-S0408 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=	Transmitted via AFTN
4th NOTAM-NOF- HTDA	 (A0044/26 NOTAMN Q) HTDC/QMNOX/IV/NBO/W/000/899/0255S03504E360 A) HTDC B) 2602261100 C) 2602261315 E) EXER AFI VOLCEX 25/01 VA ERUPTION WILL TAKE PLACE AT KENYA RIFT VALLEY PROVINCE COORD 0232N03657E AND AFFECT DAR ES SALAAM FIR WI THE AREA ENCLOSED WITH THE FLW COORD: 0449S02922E-0442S04047E-0102S03403E-0107S038024E-0449S02922E PILOTS TO EXP ASHES WI THE AREA EXER VOLCANO NAME: THE BARRIER, VOLCANO NR 222030, 0232N03657E (KENYA RIFT VOLCANIC PROVINCE) EXERCISE EXERCISE EXERCISE F) GND G) UNL)	Transmitted via AFTN

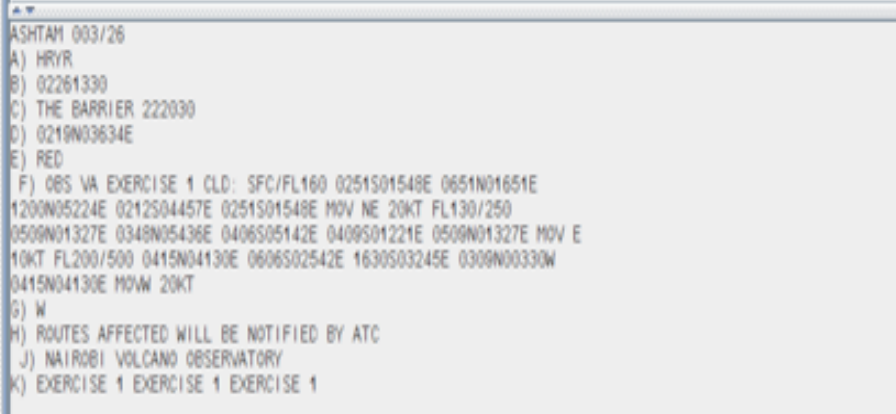
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5th ASHTAM - NOF - HRYR	Not received	Not received
6th SIGMET – MWO - FZAA	Not received	Not received
6th NOTAM – NOF - FZAA	Not received	Not received

2nd VONA by Nairobi Volcano Observatory	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 COLOUR CODE: RED 10) PREVIOUS COLOUR CODE: RED 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 E-mail: kenya-svo@uonbi.ac.ke https://volcanoobservatory.uonbi.ac.ke/ 19) RMK: NIL 20) NXT NOTICE: 20260226/1750Z EXERCISE EXERCISE EXERCISE	Transmitted via email
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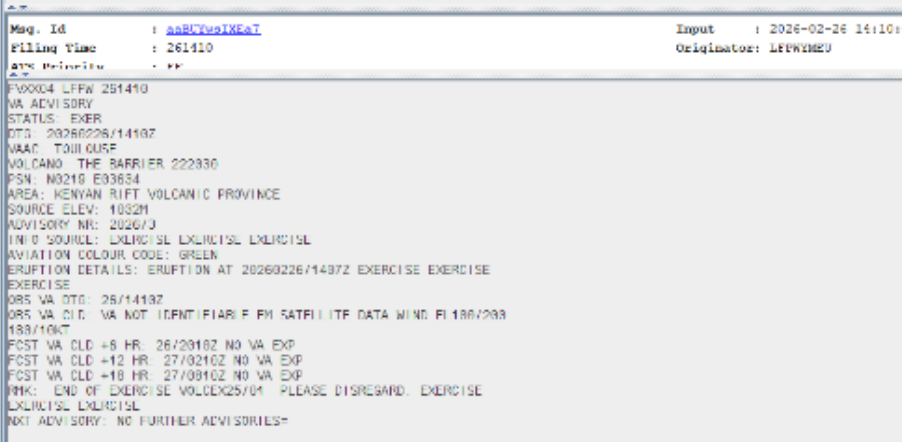
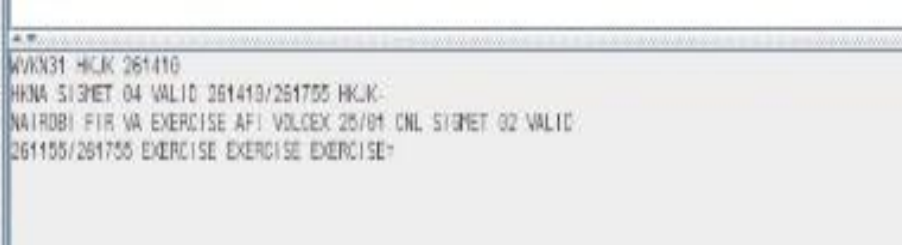
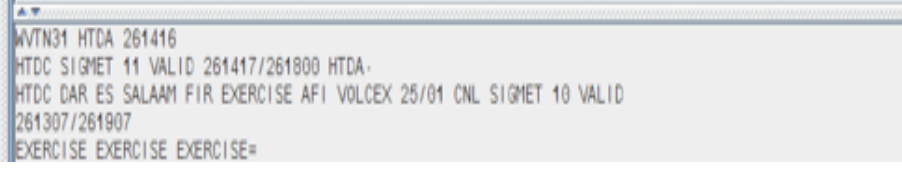
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7th NOTAM-NOF- HKJK		Transmitted via AFTN/AMHS
2nd Special Air Report sent from Nairobi MWO to		Transmitted via AFTN/AMHS

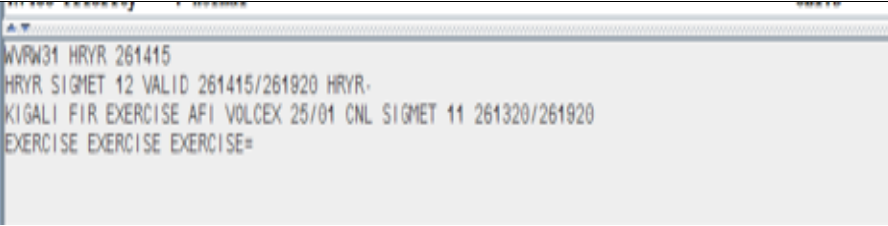
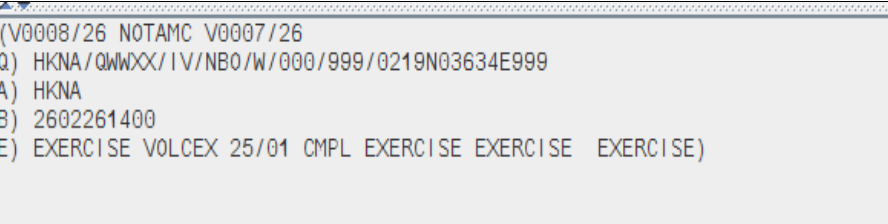
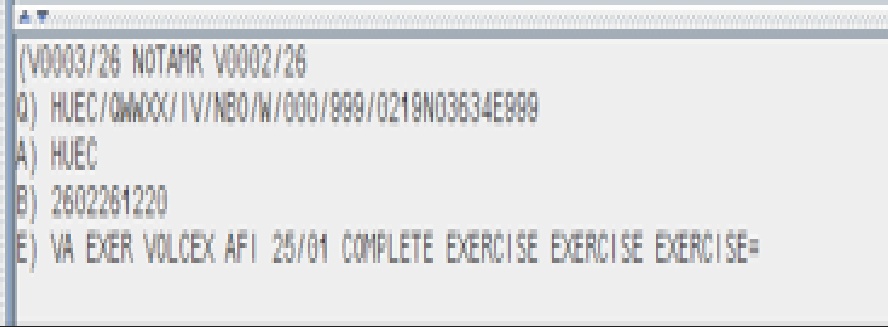
VAAC Toulouse and the RODBs.		
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9th SIGMET – MWO - HAAB	Not received	Not received
9th NOTAM-NOF-HAAB		Transmitted via AFTN

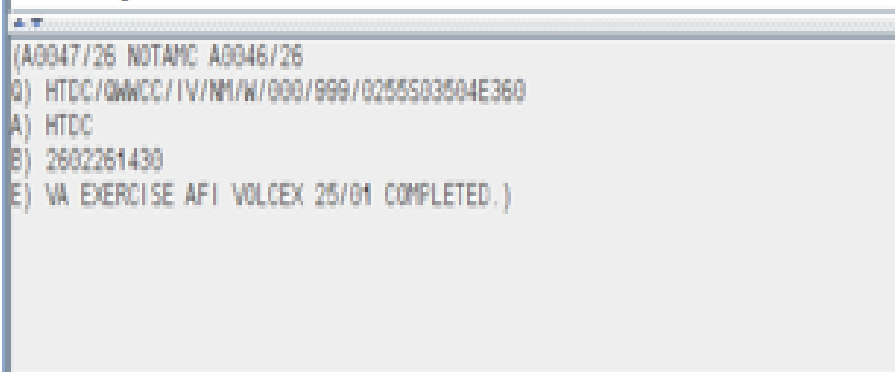
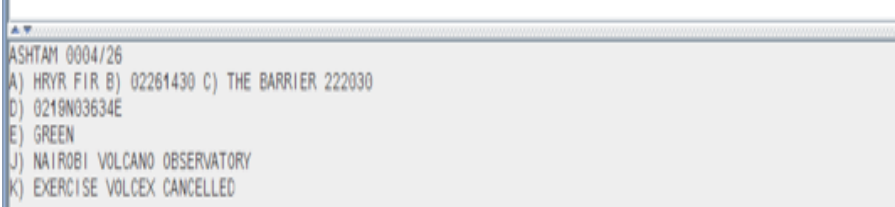
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10th NOTAM-NOF- HTDA	<pre> (A0046/26 NOTAMR A0044/26 Q) HTDC/DMAKK/IV/NBO/W/000/999/0255503504E360 A) HTDC B) 2602261315 C) 2602261450 EST E) EXER AFI VOLCEX 25/01 VA ERUPTION WILL TAKE PLACE AT KENYA RIFT VALLEY PROVINCE COORD 0232N03657E AND AFFECT DAR ES SALAAM FIR WI THE AREA ENCLOSED WITH THE FLW COORD: 0449S02922E-0442S04047E-0102S03403E-0107S03024E-0449S02922E. PILOTS TO EXP ASHES WI THE AREA. EXER VOLCANO NAME: THE BARRIER, VOLCANO NR 222030, 0232N03657E (KENYA RIFT VOLCANIC PROVINCE) EXERCISE EXERCISE EXERCISE F) (ND G) UNL) </pre>	Transmitted via AFTN
11th SIGMET – MWO - HRYR	<pre> WVRW31 HRYR 261320 HRYP SIGMET 11 VALID 261320/261920 HRYR- HRYP KIGALI FIR EXERCISE AFI VOLCEX25/01 VA ERUPTION: THE BARRIER 222030 PSN: N0219 E03634 AREA: KENYA RIFT VOLCANIC PROVINCE SOURCE ELEV: 1032M ADVISORY NR: 2026/2 INFO SOURCE: EXERCISE COLOUR CODE: RED ERUPTION DETAILS: ERUPTION AT 20260226/1320Z EXERCISE OBS VA CLD: 26/1320Z SFC/FL160 S0242 E01656 - N0712 E01754 - N1257 E05021 - S0212 E04457 - S0242 E01656 MOV NE 20KT FL130/250 N0412 E01327 - N0548 E05342 - S0054 E05151 - S0733 E01700 - N0412 E01327 MOV E 10KT FL200/500 N0345 E03918 - S0639 E02133 - S1415 E02857 - S1656 E01624 -N0100 W00648 - N0345 E03918 MOV W 20KT FCST VA CLD:26/1920 SFC/FL160 N0512 E01209 - N1203 E05545 - S0224 E04509 - S0427 E01841 - N0512 E01209 FL130/250 N0651 E00815 - N0409 E05348 - S0415 E05339 - S0303 E03238 - S1048 E01903 - N0651 E00815 FL200/600 N0342 E03954 - S0703 E02354 - S1845 E03553 S0203 W01051 - N0300 E00839 - S0342 E03954 EXERCISE EXERCISE EXERCISE= </pre>	Transmitted via AFTN

11th ASHTAM- NOF-HRYR	 ASHTAM 003/26 A) HRYR B) 02261330 C) THE BARRIER 222030 D) 0219N03634E E) RED F) OBS VA EXERCISE 1 CLD: SFC/FL160 0251S01548E 0651N01651E 1200N05224E 0212S04457E 0251S01548E MOV NE 20KT FL130/250 0500N01327E 0348N05436E 0406S05142E 0409S01221E 0500N01327E MOV E 10KT FL200/500 0415N04130E 0606S02542E 1630S03245E 0309N00330W 0415N04130E MOV 20KT G) W H) ROUTES AFFECTED WILL BE NOTIFIED BY ATC J) NAIROBI VOLCANO OBSERVATORY K) EXERCISE 1 EXERCISE 1 EXERCISE 1	Transmitted via AMHS
12th SIGMET – MWO - FZAA	Not received	Not received
12th NOTAM – NOF - FZAA	Not received	Not received

3rd VONA by Nairobi Volcano Observatory	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 COLOUR CODE: GREEN 10)PREVIOUS COLOUR CODE: RED 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 VOLCEX END OF EXERCISE EXERCISE 20)NXT NOTICE: NO MORE ADVISORIES EXERCISE EXERCISE EXERCISE	Sent via email from Nairobi volcano observatory
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CANCELLATION VAA-VAAC TOULOUSE		Transmitted via AFTN/AMHSs
CANCELLATION SIGMET – MWO – HKJK		Transmitted via AFTN/AMHS
CANCELLATION SIGMET – MWO – HUEN	Not received	Not received
CANCELLATION SIGMET – MWO – HAAB	Not received	Not received
CANCELLATION SIGMET-MWO- HTDA		Transmitted via AFTN

CANCELLATION -SIGMET-MWO- HRYR		Transmitted via AMHS
CANCELLATION SIGMET – MWO – FZAA	Not received	Not received
CANCELLATION NOTAM – NOF – HKJK		Transmitted via AFTN/AMHS
CANCELLATION NOTAM – NOF – HUEN		Transmitted via AFTN
CANCELLATION NOTAM – NOF – HAAB	Not received	Not received

CANCELLATION NOTAM – NOF – HTDA		Transmitted via AFTN
CANCELLATION NOTAM – NOF – HRYR		Transmitted via AMHS
UNKOWN ADDRESSES RESULTING TO NON-ROUTING		Updated AMBEX handbook (AODEX) necessary

Attachment 1: Kenya ANSP Safety Assessment

Attachment 2: Kenya Airways Safety Assessment (Bowtie)