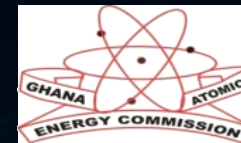


## The CTBT – Beyond The Nuclear Explosion Verification Regime Is A Strong Capacity Building Support System



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### INTRODUCTION

- CTBT a nuclear non- proliferation and disarmament measure to prohibits nuclear test explosions and any other nuclear explosions in all environments (in the atmosphere, oceans, and underground).
- The International Data Centre (IDC) provides technical assistance to States Signatories through Capacity Building System (CBS) equipment support.
- Under this project, the Republic of Ghana was a beneficiary of the (GCI-III) / VSAT equipment support in 2021.

### METHODS/DATA

- The CTBTO/IDC offers Capacity Building System (CBS) support to States Signatories upon request to receive technical assistance with respect to activities and services that will facilitate their role towards the Treaty's verification.
- Upon request, the Republic of Ghana took delivery of the equipment set, the third generation of the Global Communications Infrastructure (GCI-III) / VSAT from the IDC for the verification regime.
- It was successfully installed and commissioned for operation at NDC – Ghana in 2021.
- Additionally, through this newly established VSAT link to the IDC, the NDC – GH upon request receives IMS data in near-real time from the global monitoring network.

### START

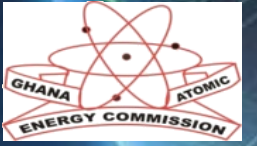
### RESULTS

- The ground/concrete works (fig. 1) leading to the installation of the (GCI-III) / VSAT equipment have been shown.
- The CBS equipment (GCI-III) / VSAT was installed and commissioned (fig. 2) for operation in July 2021.
- Demonstrating a strong Capacity Building support system to State Signatories, beyond the treaty's primary purpose.

### CONCLUSION

- (GCI-III) / VSAT equipment support received from the IDC under the CBS project is an essential element in the capacity building process as well as for the forwarding of monitoring data to NDC – GH.
- Thus, a strong Capacity Building support system for State Signatories, beyond the CTBT's primary purpose of banning all nuclear explosions.
- The CTBT monitoring network provides relevant technological advances in monitoring geophysical hazard, example earthquakes to participating States as a non-treaty relevant benefit to society.

# Introduction



- Comprehensive Nuclear-Test-Ban Treaty (CTBT) a nuclear non- proliferation and disarmament measure to prohibits nuclear test explosions and any other nuclear explosions in all environments (in the atmosphere, oceans, and underground).
- The International Data Centre (IDC) provides technical assistance to States Signatories through Capacity Building System (CBS) equipment support.
- Under this project, the Republic of Ghana was a beneficiary of the (GCI-III) / VSAT equipment support in 2021.



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## Objective



- To demonstrate that the CTBT beyond its global prohibition measure against all nuclear explosions, it is offering a strong Capacity Building support system to State Signatories such as the Republic of Ghana.



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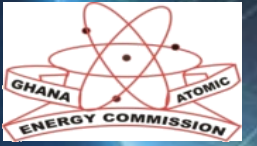
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# Results



- The ground/concrete works leading to the installation of the (GCI-III) / VSAT equipment shown in fig. 1.
- The CBS equipment (GCI-III) / VSAT was installed and commissioned (fig. 2) for operation in July 2021.
- Demonstrating a strong Capacity Building support system to State Signatories, beyond the treaty's primary purpose.



Fig. 1 Ground/concrete works for the (GCI-III) / VSAT equipment installation

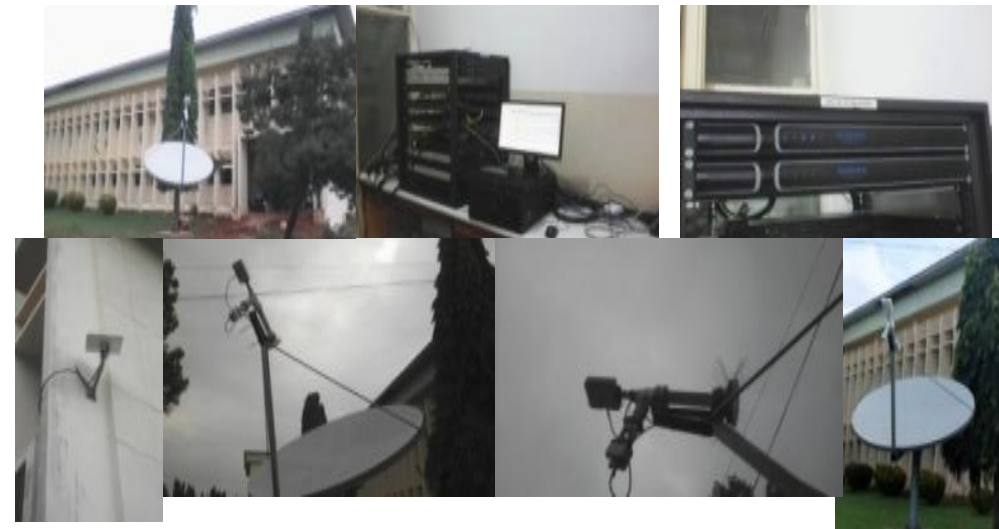


Fig. 2 Installed (GCI-III) / VSAT equipment



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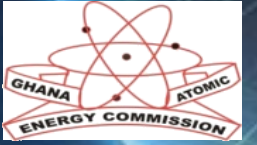
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## Conclusion



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