



THE UNITED REPUBLIC OF TANZANIA
TANZANIA COMMUNICATIONS REGULATORY AUTHORITY
ISO 9001:2015 CERTIFIED



Tanzania Communications Regulatory Authority

(TCRA)



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AGENDA

1.0 Introduction

2.0 E-Application in TCRA

3.0 Benefit of E-Application

4.0 Challenges of E-Application

5.0 Recommendations

6.0 Conclusion



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Introduction

- TCRA was founded and became operational on **1st November 2003** and effectively took over the functions of the now defunct **Tanzania Communications Commission (TTC)** and **Tanzania Broadcasting Commission (TBC)**.



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Introduction Cont..

□ It was established under the Tanzania Communications Regulatory Act **No.12 of 2003** to regulate below sectors;

- ✓ ***Communications***
- ✓ ***Broadcasting***
- ✓ ***Postal services***
- ✓ ***Management of the national frequency spectrum***



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E-Application in TCRA

- ❑ E-Application in TCRA has much evolved in which mostly of our services provided to our customers are online-web based;
- ❑ Through this applications have provided a greater relieve to our service providers and increase performance in the organization.



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E-Application in TCRA Cont..

Technology practiced;

Programming Languages

- Java, Python &
- PHP

Database Management System

- PostgreSQL
- MySQL &
- Mongo DB



E-Application in TCRA Cont..

□ Examples of E-Applications

i. Online Type Approval System (OTAS)

To type approval all imported electronic equipment's for use in the United Republic of Tanzania.

ii. Mobile Money Monitoring System (M3)

Monitor all mobile money transactions for each mobile service providers.

iii. Centralized Equipment Identity Register(CEIR)

Tracks the mobile device through its IMEI. such as; tracks stolen phones



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E-Application in TCRA Cont..

iv. **Electronic document Management System (EDMS)**

Manage all movements of electronic documents within the organization.

v. **Human Resource Management System (HRMS)**

Manage all employees information's i:e; salary, leave, attendance e.t.c

vi. **Schedule Meeting System (SCMS)**

Helps to keep instance control of the meeting rooms.

vii. **National Addressing and Postcode System (NAPS)**

Keep physical address information and maps for address verification



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Benefits of E-Application

- Increase working efficiency by eliminating manual work
- Saves time. i.e; Avoid ques towards provision of any services to our customers
- Cost efficiency



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Challenges of E-Application

- Unfamiliar of the ICT technology especially to the customers;
- Risk to cyber attacks.
- Implementation cost to some of the outsource technology.



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Recommendations

- Create forums to share E-Application solutions as East African community.
- Increase more awareness about IT especially on the software development study to our Colleges and University for the upcoming generation. i.e workshops and conferences.



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Conclusion

- ❑ E-Application does not only ***eliminate paper work***, but also ***create a room to increase efficiency*** in our daily production.



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Welcome to Tanzania,

Welcome to TCRA