DRAFT TANZANIA STANDARD

(Draft for comments only)

Information technology — Home network security — Part 1: Security requirements
1 National Foreword

This draft Tanzania Standard is being prepared by the Telecommunications and Information Technology Technical Committee, under the supervision of the Electrotechnical divisional standards committee (EDC)

This draft Tanzania Standard is an adoption of the International Standard ISO/IEC 24767-1:2008 Information technology — Home network security — Part 1: Security requirements, which has been prepared by the International Electrotechnical Commission

2 Terminology and conventions

Some terminologies and certain conventions are not identical with those used in Tanzania standards; attention is drawn especially to the following:

1) The comma has been used as a decimal marker for metric dimensions. In Tanzania Standards, it is current practice to use “full point” on the baseline as the decimal marker.

2) Where the words “International Standard(s)” appear, referring to this standard they should read “Tanzania Standard(s)”. 
INTERNATIONAL STANDARD

Information technology – Home network security –
Part 1: Security requirements
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FOREWORD

1) ISO (International Organization for Standardization) and IEC (International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards. Their preparation is entrusted to technical committees; any ISO and IEC member body interested in the subject dealt with may participate in this preparatory work. International governmental and non-governmental organizations liaising with ISO and IEC also participate in this preparation.

2) In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

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International Standard ISO/IEC 24767-1 was prepared by subcommittee 25: Interconnection of information technology equipment, of ISO/IEC joint technical committee 1: Information technology.

The list of all currently available parts of the ISO/IEC 24767 series, under the general title Information technology – Home network security, can be found on the IEC web site.

This International Standard has been approved by vote of the member bodies, and the voting results may be obtained from the address given on the second title page.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.
INFORMATION TECHNOLOGY –
HOME NETWORK SECURITY –

Part 1: Security requirements

1 Scope

This part of ISO/IEC 24767 specifies home network security requirements that may come from inside or outside a home. It serves as a foundation for the development of security services against threats affecting the home environment.

The discussions about security requirements in this standard are presented in a relatively informal manner. Although many of the items discussed here are expected to guide the design of security mechanisms applied either inside home networks or through the Internet, they are not considered formal requirements.

Various devices are connected to the home network; see Figure 1. The devices of the “living network”, the devices for “A/V entertainment” and the devices for “informational applications” provide different features and performance. This standard provides means to analyse the risks for each networked device and to define its specific “security requirements”.

2 Terms, definitions and abbreviations

2.1 Terms and definitions

For the purpose of this document the following definitions apply.

2.1.1 brown goods
A/V devices that are mainly used for entertainment, for example, television or DVD recorder

2.1.2 confidentiality
property that information is not made available or disclosed to unauthorized individuals, entities or processes

2.1.3 data authentication
service used to ensure that the source of the data claimed by a party to a communication is correctly verified

2.1.4 data integrity
property that data has not been altered or destroyed in an unauthorized manner

2.1.5 user authentication
service used to ensure that the identity claimed by a party to a communication is correctly verified, whereas an authorization service ensures that the identified and authenticated party is entitled to access a particular device or application on the home network

2.1.6 white goods
appliances that are used for daily life, for example, air conditioner, refrigerator and so on