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INFORMATION TECHNOLOGY –
HOME ELECTRONIC SYSTEM (HES)
APPLICATION MODEL

Part 4:
Security system for HES

CONTENTS

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FOREWORD

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ISO/IEC 15067, which is a technical report of type 3, was prepared by subcommittee 25: Interconnection of information technology equipment, of ISO/IEC joint technical committee 1: Information technology.

This publication has been drafted in accordance with ISO/IEC directives, Part 3.

This document is not to be regarded as an International Standard. It is proposed for provisional application so that information and experience of its use in practice may be gathered. Comments on the content of this document should be sent to IEC Central Office.

Technical Report ISO/IEC TR 15067 currently consists of four parts:

- *Part 1: Application services and protocol (under consideration)*
- *Part 2: Lighting model for HES*
- *Part 3: Model of an energy management system for HES (under consideration)*
- *Part 4: Model of a security system for HES*

INTRODUCTION

This model of a security system for residences extends the set of HES (Home Electronic System) application models. ISO/IEC JTC 1/SC 25, WG 1 has already developed and SC 25 has accepted models for lighting and energy management. These models are intended to facilitate validation of the language being specified for HES in ISO/IEC TR 15067-1: *Information technology - Home Electronic System (HES) application model – Application services and protocol*.

These models have been developed to foster interoperability among products from competing or complementary manufacturers. Product interoperability is essential when using home control standards, such as HES. This Technical Report defines a typical security system and describes the communications services needed. A high-level model for a security system using HES is presented.

**INFORMATION TECHNOLOGY –
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Part 4: Security system for HES

1 Scope

Residential security systems are among the most popular applications in a home automation system. This model is intended to be generic. It is applicable to a wide variety of security functions that extend well-beyond traditional intrusion detection. Potential applications of home security as represented in this model include activity monitoring, duress monitoring, and safety monitoring of personal well-being.

The intrusion and safety applications of a security system are similar for commercial buildings. This generic model can therefore be extended to commercial building security functions.