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Smart cities – City service continuity against disasters – The role of the electrical supply

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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SMART CITIES – CITY SERVICE CONTINUITY AGAINST DISASTERS – THE ROLE OF THE ELECTRICAL SUPPLY

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Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

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INTRODUCTION

Cities are facing many kinds of potential threats which affect the continuity of city services. There exists, therefore, a great need to establish safe and secure societies in which negative impacts on city services to the citizens are minimized and city services are continuously available to them during a period of emergency. There is no doubt that, in modern cities, electricity plays a critical role in maintaining city services.

This document provides requirements and guidelines to ensure that city services can be sustained when the power supply from the grids is discontinued because of disasters.

The users of this document are assumed to be city developers, city operators, equipment manufacturers, essential service providers and disaster management personnel.

SMART CITIES – CITY SERVICE CONTINUITY AGAINST DISASTERS – THE ROLE OF THE ELECTRICAL SUPPLY

1 Scope

This document establishes concepts and gives guidelines to help sustain a variety of city services on the occasion of a disaster from the perspective of providing electricity. It outlines the basic concepts on how multiple city services can cooperate and continue by electricity continuity plan(s) and electricity continuity system(s). It also specifies methods and means to establish these.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 22301, *Societal security – Business continuity management systems – Requirements*