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**Information technology —
Telecommunications and information
exchange between systems —
Magnetic field area network (MFAN) —
Part 4:
Security Protocol for Authentication**

*Technologies de l'information — Téléinformatique — Réseau de zone
de champ magnétique (MFAN)*

Reference number
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Foreword

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The committee responsible for this document is ISO/IEC JTC 1, *Information technology*, Subcommittee SC 6, *Telecommunications and information exchange between systems*.

This first edition of ISO/IEC 15149-4, together with ISO/IEC 15149-1, ISO/IEC 15149-2, and ISO/IEC 15149-3, cancels and replaces ISO/IEC 15149:2011, which has been technically revised.

ISO/IEC 15149 consists of the following parts, under the general title *Information technology — Telecommunications and information exchange between systems*:

- *Part 1: Air Interface*
- *Part 2: In-Band Control Protocol for Wireless Power Transfer*
- *Part 3: Relay Protocol for Extended Range*
- *Part 4: Security Protocol for Authentication*

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Introduction

This part of ISO/IEC 15149 provides protocols for magnetic field area networks (MFAN). MFAN can support the service based on wireless communication and wireless power transfer in harsh environments. MFAN is composed of four protocols; air interface, in-band control protocol, relay protocol and security protocol for authentication.

The International Organization for Standardization (ISO) and International Electrotechnical Commission (IEC) draw attention to the fact that it is claimed that compliance with this document may involve the use of patents concerning MFSec technology given in this part of ISO/IEC 15149.

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