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Software and systems engineering — Software testing —

Part 11: Guidelines on the testing of AI-based systems

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Contents

Page

Foreword

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 7, *Software and systems engineering*.

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Introduction

The testing of traditional systems is well-understood, but AI-based systems, which are becoming more prevalent and critical to our daily lives, introduce new challenges. This document has been created to introduce AI-based systems and provide guidelines on how they might be tested.

Annex A provides an introduction to machine learning.

This document is primarily provided for those testers who are new to AI-based systems, but it can also be useful for more experienced testers and other stakeholders working on the development and testing of AI-based systems.

As a Technical Report, this document contains data of a different kind from that normally published as an International Standard or Technical Specification, such as data on the “state of the art”.