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Information technology — Financial information exchange — Simple binary encoding

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Foreword

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This document was prepared by FIX Trading Community [as FIX Simple Binary Encoding (SBE)] and drafted in accordance with its editorial rules. It was adopted, under the JTC 1 PAS procedure, by Joint Technical Committee ISO/IEC JTC 1, *Information technology*.

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Introduction

The Financial Information eXchange Simple Binary Encoding (SBE) targets high performance trading systems. It is optimized for low latency of encoding and decoding while keeping bandwidth utilization reasonably small. For compatibility, it is intended to represent all FIX semantics. SBE is primarily a fixed length wire format but also supports variable length fields and repeating groups with fixed length entries. The wire format does not contain any meta-data other than length information for variable elements. The meta-data is a message schema provided out-of-band as an XML Schema Definition (XSD) file.

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Financial Services – Financial Information eXchange – Simple Binary Encoding

1 Scope

This document provides the normative specification of Simple Binary Encoding (SBE), which is one of the possible syntaxes for FIX messages, but not limited to FIX messages. The scope comprises the encoding (wire format) and the message schema for SBE.

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.

— IETF RFC 2119 – *Key words for use in RFCs to Indicate Requirement Levels* March 1997

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