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Financial services — Financial information eXchange session layer

Part 3: FIX session layer test cases

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This document was prepared by FIX Trading Community (as FIX Session Layer Technical Specification) and drafted in accordance with its editorial rules. It was assigned to Technical Committee ISO/TC 68, *Financial services*, Subcommittee SC 9, *Information exchange for financial services*, and adopted under the “fast-track procedure”.

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Introduction

FIX session protocol was written to be independent of any specific communications protocol (e.g. X.25, async, TCP/IP) or physical medium (e.g. copper, fibre, satellite) chosen for electronic data delivery. It offers a reliable stream where a message is delivered once and in order. The FIX session layer is designed to survive and resume operation in the event of the loss of transport level connections caused by any type of failure, including network outage, application failure or computer hardware failures.

The session layer is concerned with the ordered delivery of data while the application level defines business-related data content. This document focuses on the ordered delivery of data using the "FIX session protocol".

The FIX session protocol is implemented using the FIX tagvalue encoding syntax for the standard header, standard trailer and the session level messages which make up the FIX session protocol. It is possible to send messages using other FIX-defined encodings (e.g. FIXML, SBE, JSON, GPB, ASN.1) or other non-FIX defined encodings (e.g. XML, FpML, ISO 20022 XML, JSON).

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