

ITCH and MDF

Introduction

This document provides a comparison of the message types available on ASX ITCH and Market Data Feed (MDF), highlighting the differences and similarities between the two protocols at the message level.

Note: there maybe differences at the field level within the messages

ITCH

ASX ITCH is an ultra low latency binary protocol delivering real-time market data feed via a multicast connection directly from the ASX Trade platform. ASX ITCH provides full orderbook details for all ASX-listed instrument, enabling full visibility into the order books.

Market Data Feed

MDF is a new 'ITCH' like binary market data feed which provides additional reference and market data not available in the ITCH service and consolidates the order book to price levels only.

ITCH and MDF Message Types Overview

Message name	Market Data Feed	ITCH
Seconds message	✓	✓
Order Book Directory	✓	✓
Order Book Directory Extension Message	✓	
Exchange Directory	✓	
Market Directory	✓	
Combination Order Book (leg) Directory	✓	✓
Tick Size Table Entry	✓	✓
System Event Message	✓	✓
Order Book State Message	✓	✓
Equilibrium Price/Update Message	✓	✓
Market by Price (MBP) Incremental Message	✓	

Market by Order Messages <ul style="list-style-type: none"> • Add Order • Add Order with Participant ID • Modify Order Messages • Order Executed Messages • Order Executed with Price • Order Replace Message • Order Delete Message 		✓
Trade Statistics Message	✓	
Reference Price Message	✓	
Index Message	✓	
Open Interest Message	✓	
Trade Ticker Message	✓	Trade Messages for dark trades and combo trades Order Executed and Order Executed with Price Messages for on-market trades Note: Off market trades are not disseminated in ITCH
Market Announcement Message	✓	
Order Book Directory Extension Message	✓	
Corporate Action Entry Message	✓	
Price Limits Message (ETR)	✓	
Business Date message	✓	