

# ASX OUCH

The premium ultra-low latency order handling protocol for ASX Trade



ASX OUCH™ provides low latency execution of the three principal order handling actions: order entry, order amend and order cancel.

ASX OUCH is a streamlined native protocol for order management on the ASX Trade matching engine. It is designed to offer the maximum possible performance for the essential order management actions, and effects matching engine changes in approximately one third of the time of the current premium offering (OMX API connection via ALC ASX LCC).

ASX OUCH has been specifically designed for Fill and Kill, Fill or Kill, and Day orders only.

## Features and Benefits

- An efficient and low latency protocol
- Customer throttled access to the matching engine
- Asynchronous protocol allows further order management while awaiting acknowledgment of previous messages
- Improved latency stability (reduced jitter)
- Control of the socket
- Based on internationally recognised and standardised protocol
- Time-stamping from the ASX Trade matching engine with 0.1 microsecond precision

## Connectivity & Protocol

Connectivity with the ASX OUCH protocol is available via 10 Gbps fibre cross-connects from within the ASX Australian Liquidity Centre (ALC).

The ASX OUCH interface is made up of a series of sequenced, fixed length messages. The messages are binary encoded and distributed using TCP/IP providing a mechanism to aid users in their sequencing and recovery.

For detailed technical information, please refer to the ASX OUCH Manual available from ASX Online [here](#) (navigation: Library / Manuals / OUCH).

## Development Environment Connectivity

Users may access the ASX OUCH development environment from within ALC via a cross connect. ASX is waiving OUCH development environment fees until 1 July 2013.

Users should contact their Account Manager (details below) for further information.

## Pricing

Trading with ASX OUCH requires three components that can be combined and scaled as necessary:

- Connectivity** – Connectivity via a 10 Gbps fibre OUCH Liquidity Cross Connect (“OLCC”). The OLCC is \$1,750 per month, the same price as a standard ASX LCC. Multiple OLCCs can be used per firm. An optional Redundant Teamed Connection (RTC) (\$150 per month) can be utilised for connection redundancy.
- Access** – The monthly ASX OUCH Access fees is \$1,000 per session. Multiple sessions can be used per firm and per OLCC.
- Throughput** – Throughput, measured in Transactions Per Second (“TPS”), is purchased per ASX OUCH Access session in 50 TPS blocks. A 50 TPS block is \$3,500 per month.



## Further Information

### Houda Harb

Account Manager, Technical and Information Services  
+61 2 9227 0422  
[houda.harb@asx.com.au](mailto:houda.harb@asx.com.au)

### Alfred Boudib

Account Manager, Technical and Information Services  
+61 2 9227 0157  
[alfred.boudib@asx.com.au](mailto:alfred.boudib@asx.com.au)

### Manzuma Ali

Account Manager, Technical and Information Services  
+61 2 9227 0827  
[manzuma.ali@asx.com.au](mailto:manzuma.ali@asx.com.au)

### Scott McInnes

Account Manager, Technical and Information Services  
+61 2 9227 0945  
[scott.mcinnis@asx.com.au](mailto:scott.mcinnis@asx.com.au)



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Domestic Information Line: 131 279 International Information Line: +61 2 9338 0000

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