NASDAQ MatchView (formerly known as OUCH Pricing Feed)
Version 1.1

1. Overview
The NASDAQ MatchView Feed (formerly known as OUCH Pricing Feed) is a real-time direct data feed that provides a view into what the NASDAQ OMX execution system sees as the prevailing Best Bid and Offer of the other exchanges. This feed may be used in conjunction with OUCH to help prevent trade-throughs and quote-throughs.

NASDAQ MatchView – Version 1.1 is being released in association of the equity symbology initiative and will support issue symbols up to 8 characters in total length.

Message Line Format

<table>
<thead>
<tr>
<th>Name</th>
<th>Offset</th>
<th>Length</th>
<th>Type</th>
<th>Sample</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time Stamp</td>
<td>0</td>
<td>8</td>
<td>Time</td>
<td>34293104</td>
<td>The time the event occurred to the nearest millisecond. Format is milliseconds since Midnight.</td>
</tr>
<tr>
<td>Type</td>
<td>8</td>
<td>1</td>
<td>Alpha</td>
<td>&quot;U&quot;</td>
<td>The message type. For this feed, the only value will be &quot;U&quot;</td>
</tr>
<tr>
<td>Symbol</td>
<td>9</td>
<td>8</td>
<td>Alpha</td>
<td>BIGJ</td>
<td>The Stock Symbol</td>
</tr>
<tr>
<td>Bid Price</td>
<td>17</td>
<td>10</td>
<td>Numeric</td>
<td>12870000</td>
<td>The price on the bid with 6 whole number places followed by 4 decimal digits. The decimal point is implied by position; it does not appear inside the price field. The price is padded with spaces on the left.</td>
</tr>
<tr>
<td>Ask Price</td>
<td>27</td>
<td>10</td>
<td>Numeric</td>
<td>1234870000</td>
<td>The price on the ask with 6 whole number places followed by 4 decimal digits. The decimal point is implied by position; it does not appear inside the price field. The price is padded with spaces on the left.</td>
</tr>
</tbody>
</table>

1 Support
If you have any questions about this specification, please email NASDAQ OMX Global Software Development at devsupport@nasdaqomx.com.

2 Revision History
Version 1.0 – 5/22/2007
Initial dissemination
Version 1.0 – 12/14/2007
Revised overview

Version 1.1 – 1/26/2010
Updated the length of the symbol field from 6 characters to 8 characters.

Updated the description of the feed.

Version 1.1 – 8/10/2011
Updated the name and description of the feed.