

Royal Bank of Canada

Material Aspects of Relationships with Market Centers

Royal Bank of Canada (RBC) has prepared this report pursuant to a U.S. Securities and Exchange Commission rule (§240.11Ac1-6 / §242.606) requiring all brokerage firms to make available to the public quarterly reports about their order routing practices.

The report provides information on the routing of "non-directed orders" -- any order that the customer has not specifically instructed to be routed to a particular venue for execution. For these non-directed orders, RBC has selected the execution venue on behalf of its customers.

This report identifies the venues most often selected by RBC, sets forth the percentage of various types of orders routed to the venues, and discusses the material aspects of RBC's relationship with the venues.

Questions regarding this report should be addressed to the RBC's Compliance Department.

Citigroup Global Markets Inc. (CMGI) – RBC Wealth Management routes option orders to CMGI for execution on multiple option exchanges. CMGI maintains three proprietary lists of options that determine the rate of payment for order flow which can be furnished upon request. RBC Wealth Management receives payment from CMGI subject to the following schedule:

- Non-Penny \$0.85/contract
- Penny 1 \$0.325/contract
- Penny 2 \$0.325/contract

Citadel Execution Services (CES) - RBC Wealth Management routes option orders to CES for execution on multiple option exchanges. CES maintains three proprietary lists of options that determine the rate of payment for order flow which can be furnished upon request. RBC Wealth Management receives payment from CES subject to the following schedule:

- Nickel High \$0.90/contract
- Nickel Mid \$0.70/contract
- Penny Tier Plus \$0.35/contract
- Penny Tier Prime \$0.30/contract
- Penny Tier 1 \$0.25/contract
- Penny Tier 2 \$0.20/contract

Chicago Board Options Exchange (CBOE) - RBC Wealth Management routes option orders to the CBOE for execution by the DPM (Designated Primary Market Maker). RBC Wealth Management receives payment from an independent association of CBOE's DPM's (The DPM Association of Chicago) at a rate of \$0.40/contract (or less in selected cases).

Wolverine Execution Services (WEX) – RBC Wealth Management routes option orders to WEX for execution on multiple option exchanges. WEX maintains two proprietary lists of options that determine the rate of payment for order flow which can be furnished upon request. RBC Wealth Management receives payment from WEX subject to the following schedule:

- Penny \$0.25/contract
- Non-Penny \$0.75/contract