

ADAPT						
Strategy	Description	Canada	U.S.	Mexico	Brazil	Chile
WorkIt	Scales its rate of trading with market volume and relative price movements.	•	•			
Liquidity Seek	Take advantage of meaningful liquidity opportunities without causing significant price impact.	•	•	•	•	•

PARTICIPATE						
Strategy	Description	Canada	U.S.	Mexico	Brazil	Chile
MPOV	Trades ranges and percentages of the non-block volume.	•	•	•	•	•
Cruiser	Loosely targets a participation rate over time based on client instructions.	•	•			
POV	Trades a set percentage of the non-block volume.	•	•	•	•	•

TRADER TOOLKIT						
Strategy	Description	Canada	U.S.	Mexico	Brazil	Chile
SmartClose	Intelligently allocates order between the continuous market and the MOC facility, based on localized market structure.	•	•	•	•	
Peg & Seek	A flexible algo order type with the option to turn on any combination of the dark, take, and peg/penny functionalities. May optionally seek specified minimum size liquidity in dark/lit markets.	•	•	•	•	•
Dark Smart	Places the order across Canadian and US dark liquidity sources and dynamically re-balances across venues as fills are received.	•	•			
Take	Does not book orders but will send immediate or cancel orders to pick up any available shares at its trigger price or better.	•	•	•	•	•

SCHEDULE						
Strategy	Description	Canada	U.S.	Mexico	Brazil	Chile
VWAP	Works the order over the specified time period, finishing at the end time unless constrained by a price or volume limit. VWAP weights its schedule according to historical volume distribution.	•	•	•	•	•
TWAP	Works the order over the specified time period, finishing at the end time unless constrained by a price or volume limit. TWAP spreads the trade evenly over the period.	•	•	•	•	•

TM Trademark of The Bank of Nova Scotia, used under license (where applicable). Scotiabank is a marketing name for the global corporate and investment banking and capital markets businesses of The Bank of Nova Scotia and certain of its affiliates in the countries where they operate, including Scotia Capital Inc. (Member-Canadian Investor Protection Fund and regulated by the Investment Industry Regulatory Organization of Canada). Scotia Capital (USA) Inc. is a broker-dealer registered with the SEC and a member of FINRA, NYSE, NFA and SIPC. The Bank of Nova Scotia is authorized and regulated by the Office of the Superintendent of Financial Institutions Canada. The Bank of Nova Scotia is supervised by the Board of Governors of the Federal Reserve System and applicable Federal Reserve Banks, and licensed and supervised by New York, Texas and Florida regulators. The Bank of Nova Scotia is authorized by the UK Prudential Regulation Authority and is subject to regulation by the UK Financial Conduct Authority and limited regulation by the UK Prudential Regulation Authority. Details about the extent of The Bank of Nova Scotia's regulation by the UK Prudential Regulation Authority are available from us on request. Scotiabank Europe plc is authorized by the UK Prudential Regulation Authority and regulated by the UK Financial Conduct Authority and the UK Prudential Regulation Authority. The Bank of Nova Scotia and certain of its affiliates are subject to regulation by regulators in Australia, Singapore, Hong Kong, Korea, The People's Republic of China, Japan, Malaysia and India, including by the Hong Kong Monetary Authority, the Hong Kong Securities and Futures Commission and the Monetary Authority of Singapore. Scotiabank Inverlat, S.A., Institución de Banca Múltiple, Grupo Financiero Scotiabank Inverlat; Scotia Inverlat Casa de Bolsa, S.A. de C.V., Grupo Financiero Scotiabank Inverlat and Scotia Inverlat Derivados, S.A. de C.V., are each authorized and regulated by the Mexican financial authorities. Banco Colpatria Multibanca Colpatria S.A. is duly authorized by the Colombian Financial Superintendencia to promote and advertise The Bank of Nova Scotia's (Scotiabank) products and services by Resolution 058 of 2014. Scotia-bank Chile is regulated by the Superintendencia de Bancos e Instituciones Financieras. Scotia Corredora de Bolsa Chile S.A. and Scotia Administradora General de Fondos Chile S.A. are each regulated by the Superintendencia de Valores y Seguros. Not all products and services are offered in all jurisdictions. Services described are available only in jurisdictions where permitted by law. This information is not directed to or intended for use by any person resident or located in any country where its distribution is contrary to the laws of such country. Full disclaimers, and terms and conditions may apply to individual products and banking services.

Not for Retail; No Assurances as to Results: Trading in securities involves risks, including the risk of loss. This document and the products and strategies described herein (collectively, the "Products") are intended for use only by sophisticated professional and institutional investors. Investors should trade utilizing the Products only after consultation with their financial, legal and tax advisors and only after making a determination that the Products are suitable for their risk tolerance and investment objectives. Scotiabank cannot provide any assurances that the Products will achieve their intended results or that the Products will outperform alternative similar products or strategies. While this document describes how the Products are intended to work under normal market conditions, the actual performance of the Products may not achieve their intended results, particularly during periods of unusually high volatility, unusually low liquidity and/or other extraordinary market conditions. Nothing in this document should be construed as tax advice and no description of the Products contained herein takes into account the tax consequences of executing transactions utilizing the Products.

PARAMETERS

(Parameters in red are required)

POV (Percentage of Volume)	MPOV (Multiple Percentage of Volume)	VWAP (Volume-Weighted Average Price)	TWAP (Time-Weighted Average Price)	Cruiser	Liquidity Seek	AP (Arrival Price)	WorkIt	Smart Close	Dark Smart	Peg & Seek	Take
Start Time	Start Time	Start Time	Start Time	Start Time	Start Time	Start Time	Start Time	Start Time	Limit Price	Start Time	Start Time
End Time	End Time	End Time	End Time	End Time	End Time	End Time	End Time	End Time	Style	End Time	End Time
Limit Price	Limit Price	Limit Price	Limit Price	Limit Price	Limit Price	Limit Price	Limit Price	Limit Price	Exchange ¹	Limit Price	Limit Price
Target Volume %	Target Volume %	Max Volume %	Max Volume %	Target Volume %		Max Volume %	Max Volume %	Max Volume %	Minimum Quantity	Display Mode	Trigger Size
Include Interlisted Volume	Include Interlisted Volume	Include Interlisted Volume	Include Interlisted Volume	Include Interlisted Volume	Style	Include Interlisted Volume	I Would Price			Display Size	
I Would Price	I Would Price	I Would Price	I Would Price	I Would Price			Style	Style		Display Min. Join Size	
	Below this Px	I Would Dark Price				Style	Liquidity Seek			Liquidity Seek	
	Lower Volume %	I Would Dark %					Seek%			Seek Price ¹	
	At or Above Px						Seek Min. Quantity			Seek Min. Quantity	
Auction Flag	Upper Volume %	Auction Flag	Auction Flag	Auction Flag	Auction Flag						

¹Required only when a parent parameter is selected.

Canada U.S.A. Mexico Brazil Chile

DESCRIPTION OF PARAMETERS:

Start Time When to begin trading. Default is current time or when market opens if order is entered prior to primary market open.

End Time When to stop trading. Default is primary market close time.

Limit Price Execute only at a specified price or better.

Target Volume % Target to be this percentage of the non-block volume. Allowed to range from 1%-60%.

Include Interlisted Volume (Canada and U.S. only) Include volume from both U.S. & Canadian markets on interlisted names. Percent of volume limits will calculate based on combined volume.

I Would Price Price at which the algorithm will try and complete the balance of your order (Irrespective of Percentage of Volume (POV) limits).

At or Above Px Starting at this price, use Upper Volume % instead of Target Volume %.

Upper Volume % Target Volume percentage for upper price range on MPOV orders. Allowed range is 1% – 60%.

Below This Px Below this price, use Lower Volume % instead of Target Volume %.

Lower Volume % Target Volume percentage for lower price range on MPOV orders. Allowed range is 1% – 60%.

Max Volume % Maximum percentage of the market volume to be over the course of the order.

Liquidity Seek Dark*, Take, Dark + Take*. Grab larger liquidity opportunities at reasonable prices. May use dark pools, taken from lit markets or both. Default is In-line.
*This feature is not supported in Mexico, Brazil and Chile.

Seek Min. Quantity Minimum size for liquidity seek to target in the dark. Default is to calculate dynamically based on stock and market conditions.

Style Liquidity Seek: Passive, Normal, Aggressive. Default is Off.
WorkIt: Patient, In-line, Aggressive. Default is In-line.
Dark Smart: Passive, Normal, Aggressive. Default is Normal. Style only applicable for U.S.
Smart Close: Patient, In-line, Aggressive. Default is In-line.

Display Mode Off: Will not post any bids or offers. Penny: Keeps an order at the top of book. If the spread is just one tick, it will lift (or hit for sell orders).

Display Size If not specified, picks order sizes appropriate to symbol being traded.

Display Minimum Only join bids/asks when a minimum number of shares are displayed.

Join Size Only join bids/asks when a minimum number of shares are displayed. Shares must be > = 100.

Trigger Size Only take shares if at least this number are available.

Seek % The percentage of the order that may be completed using Liquidity Seek. Default is one-third.

Seek Price Price at which Liquidity Seek is activated.

Exchange Specifies which Canadian Dark exchange order type will be sent for a Dark Smart order.

Minimum Quantity Minimum quantity of an order to be executed for Dark Smart orders only.

Auction Flag MOC, MOO, Both, Off. Default is Off.

I Would Dark Price Price at which the algorithm will try and complete the balance of your order in the dark (Irrespective of Percentage of Volume (POV) limits).

I Would Dark % Percentage of order that you are willing to trade the I Would Dark Price specified.