Actimize  
RTS-OTR   
Options Trading Review

Product Requirements Document (PRD)

Version 1.0

Product Confidential

December 2021

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Revision History

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Product Version | Document Revision | Revision Date | Revised by | Description |
| 1 | 1 | Dec 5th 2021 | Joey Avniel | First logic draft |
|  |  |  |  |  |

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**STREAM -** RTS

**Model:** DAR

**Rule ID** – RTS-OTR

**Rule NAME -** Options Trading Review

**Frequency** - Daily

## Source Tables

**REQUIRED**

* Positions
* Trades (Data Stream)

**REFERENCE**

* Account (Alert Level)

# High Level Logic

This rule detects potential violations in trading activity pertaining to options trading in Retail sphere.

**Description:**

The rule identifies trades that must be reported for failing to comply with the IIROC 2500 option trading rules. The following trades are being excluded:

* Inventory Account Trades
* Broker Account Trades
* Suspense Account Trades
* StreetSide Trades
* Institutional Accounts

# Calculations

## Included Trades

Input : Trade Id // all attributes in this calculation are for this trade and its account  
[Trade Business Date] = Process Date And  
[Account Region] = CA And // **Note**: Currently, this model is for Canadian Accounts only; scope can increase([Branch Number] >= 200 AND [Branch Number] <= 999) OR [Branch Number] = 100002 And  
[Account Classification] IN (Professional, Retail) And   
[Account Source System] IN (CSCADS) And // Client Source DS  
[Account Option Approval Level] < 5 And // Any Options Trading Allowed  
({Product is Option} with [Trade Product Key] = 'N' Or [Trade Quantity] >= “RCM OTR MIN Trade Quantity” Threshold)

## Account is in Excluded Range

Input : Trade Id  
Return True (Trade should be Excluded) if the Account meets the following conditions:  **Process Date >= RTS-OTR** Account Range Exclude List – **Start Date** or **Start Date** is Null And  
**Process Date <= RTS-OTR** Account Range Exclude List – **End Date** or **End Date** is Null And  
[Account Region] = **RTS-OTR** Account Range Exclude List – **Region** And  
[Account Key] >= **RTS-OTR** Account Range Exclude List - **Range From** And

[Account Key] <= **RTS-OTR** Account Range Exclude List - **Range To**

## Account Branch is on Exclude Branch List

Input : Trade Id  
Return True (Trade should be Excluded) if there is a record on the **Branch Exclude List** where:  
RTS Branch Exclude List - **Branch Number** = [Account Branch Number] And  
RTS Branch Exclude List – **Region** = [Account Region]

## Accounts Broker is on Exclude Broker List

Input : Trade Id  
Return True (Trade should be Excluded) if there is a record on the **OTR Broker Exclude List** where:  
(Process Date >= Broker Exclude List - Start Date Or Broker Exclude List - Start Date is Null) And  
(Process Date <= Broker Exclude List - End Date Or Broker Exclude List - End Date is Null) And

[Account Region] = Broker Exclude List – Region And  
[[Trade Executing Representative Key](https://confluence.fg.rbc.com/display/CIT/GSS+DE1455+-+Trade+Executing+Representative+Key)] = Broker Exclude List – Broker ID

## Product is Option

Input: Product Key

[Product Type] of Input Product Key = Option

# Main Flow

Select **Trades** for the **Process Date** in Canadian retail or professional accounts based on the following conditions:

**Each Account can have one OTR alert per process date, if at least one of its Trades is flagged.**

If more than one Trade is flagged, then these Trades are listed together under the Account’s OTR Alert.

# Include/Exclude Trades based on the following filters :

**Include**:  
Trades for the process date in Canadian retail or professional Accounts,   
for in scope Branch numbers, Client Source DS, and any Options Trading Allowed.   
For Options include only Trades where quantity is greater or equal OTR MIN Trade Quantity Threshold

{Included Trades} = True And

**Exclude:**Exclude trades in accounts currently on *OTR Account Range Exclude List*Exclude trades in accounts that belongs to branches currently on RTS Branch Exclude List  
Exclude trades in accounts of brokers currently on the *RCM OTR Broker Exclude List*

{Account is in Excluded Range} = False And  
{Account Branch is on Exclude Branch List}= False And  
{Accounts Broker is on Exclude Broker List} = False And

# For each selected ***traded Account*** and ***Underlying Product of Traded Product*** in scope for review

Group trades by account, underlying security, and business date

**OTR Option Positions for same Underlying**(V) =

Input: [Call Put Indicator](https://confluence.fg.rbc.com/display/CIT/GSS+DE0096+-+Call+Put+Indicator), Long Short Flag  
**Option** Positions for a *traded Account* and Products with the **same Underlying Product** as the *Traded Product*   
where  
**[**Position Account Key] = [**Trade Account Key**] And  
[Product Underlying Key] for [Position Product Key] =[**Product Underlying Key] for [Trade Product Key**] And  
{Product is Option} with ([Position Product Key]) = True And // [**GSS DE0851 - Product Is Option**](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE0851+-+Product+Is+Option) **= Y**  
[Position Date] = Process Date And // aka Trade Business Date And  
[Product Expiration Date] >= Process Date And // Option Expiration Date

[Position [Call Put Indicator](https://confluence.fg.rbc.com/display/CIT/GSS+DE0096+-+Call+Put+Indicator)] = Input [Call Put Indicator](https://confluence.fg.rbc.com/display/CIT/GSS+DE0096+-+Call+Put+Indicator) And // Note: this is a Product attribute for the Position Product  
[[Position Long Short Index Flag](https://confluence.fg.rbc.com/display/CIT/GSS+DE0783+-+Underlying+Product+Key)] = Input Long Short Flag

Aggregated short / long position for puts and calls (in contracts)

ForeachTraded Account as identified above, aggregate its current date **Positions** in the **Traded Underlying Products** (for display only):

**OTR Total Short Put Position (Contracts)**(V) =

**SUM**([Position Quantity]) for OTR Option Positions for same Underlying(V) with (Put, Short)   
 **OTR Total Long Put Position (Contracts)**(V) =

**SUM**([Position Quantity]) for OTR Option Positions for same Underlying(V) with (Put, Long)  
 **OTR Total Short Call Position (Contracts)**(V) =

**SUM**([Position Quantity]) for OTR Option Positions for same Underlying(V) with (Call, Short)  
 **OTR Total Long Call Position (Contracts)**(V) =

**SUM**([Position Quantity]) for OTR Option Positions for same Underlying(V) with (Call, Long)

Aggregated short / long position for puts and calls (in the underlying shares)

ForeachTraded Account as identified above, aggregate its current date **Positions** in the **Traded Underlying Products**:

**OTR Total Short Put Position (Shares)**(V) =

**SUM**([Position Quantity] \* [Product Conversion]) for OTR Option Positions for same Underlying(V) with (Put, Short)   
 **OTR Total Long Put Position (Shares)**(V) =

**SUM**([Position Quantity] \* [Product Conversion]) for OTR Option Positions for same Underlying(V) with (Put, Long)  
 **OTR Total Short Call Position (Shares)**(V) =

**SUM**([Position Quantity] \* [Product Conversion]) for OTR Option Positions for same Underlying(V) with (Call, Short)  
 **OTR Total Long Call Position (Shares)**(V) =

**SUM**([Position Quantity] \* [Product Conversion]) for OTR Option Positions for same Underlying(V) with (Call, Long)

Aggregated long / short position in the underlying security

**OTR Positions in Underlying Product**(V) =

Input: Long Short Flag  
Positions for a *traded Account* and underlying security of the *Traded Product* where  
**[**Position Account Key] = [Trade Account Key] And  
[Position Product Key] = [Underlying Product Key] for[Trade Product Key] And // Note: This is different than the RBC requirements doc, was changed based on an email thread

**Not** {Product is Option} with ([Position Product Key]) And // Note: same as GSS DE0851 - Product Is Option = N  
[Position Date] = Process Date And // aka Trade Business Date And  
[Position Long Short Index Flag] = Input Long Short Flag

**OTR Short Position in Underlying**(V) =

SUM([Position Quantity]) for OTR Positions in Underlying Product(V) with (Short)

**OTR Long Position in Underlying**(V) =

SUM([Position Quantity]) for OTR Positions in Underlying Product(V) with (Long)

## Display calculations

**Latest Date Underlying Security was Traded by Account prior to alert**(V) =

**Max Date of [Trade Date Time] where [Product Underlying Key] of [Trade Product Key] was Traded by [Trade Account Key] prior to (i.e. less than) the trade’s [Trade Date Time]**

**Uncovered Position for Calls**(V) =

If **OTR Total Short Call Position (Shares) > Covered Calls Position (i.e. OTR Total Long Call Position (Shares) + OTR Long Position in Underlying)  
 Then OTR Total Short Call Position (Shares) - Covered Calls Position Else 0**

**Max(0, OTR Total Short Call Position (Shares)(V) - OTR Total Long Call Position (Shares)(V) - OTR Long Position in Underlying(V))**

**Uncovered Position for Puts**(V) =

If OTR Total Short Put Position (Shares) > **C**overed Puts Position (i.e. OTR Total Long Put Position (Shares) + OTR Short Position in Underlying)  
 Then OTR Total Short Put Position (Shares) - **C**overed Puts Position Else 0

**Max(0, OTR Total Short Put Position (Shares)(V) - OTR Total Long Put Position (Shares)(V) - OTR Short Position in Underlying(V))**

# For each trade, flag it for all applicable rules in the order defined below:

## Rule 1: No Option Trading Allowed

Report the trade as no option trading is allowed for this account if: Option Trade, and Option Approval Level =0

[Account Option Approval Level] = 0 And  
{Product is Option} with [Trade Product Key]

**Note: The below rules are not reviewed for Trades that are flagged for this rule.**

## Rule 2: Long Options Trading Not Allowed

Report the Buy trade as no long option trading is allowed for this account if: Option Buy Trade, and Option Approval Level < 2

[Account Option Approval Level] < 2 And  
{Product is Option} with [Trade Product Key] And  
[Trade Direction] = Buy

## Rule 3: Option Spreads Not Allowed

Report the Option Trade if it creates a spread with another trade(s), and Option Approval Level < 3  
The trade (referred as Trade 1) has a matching **Option** trade(s) (referred as Trade 2) if they both have the same Account, Underlying Product, Call Put Indicator, Orig Currency Cd, Direction, **Process Date**, and  
Same Expiration Date, but different Strike Price Or Different Expiration Date, but same Strike Price

[Account Option Approval Level] < 3 And  
{Product is Option} with [Trade Product Key] And

There is another **Option** Trade (Trade 2) on **process date** with similar to the analyzed Trade (Trade 1) where

Both Trades have the **same**:

* + - [Trade Account] And
    - [Underlying Product Key] for the [Trade Product Key] And
    - [Product Call Put Indicator] And
    - [Trade Currency Cd (Orig)] And
    - [Trade Direction]

And

* + - * Same [Product Expiration Date], but different [Product Strike Price]  
        Or
      * Different [Product Expiration Date], but same [Product Strike Price]

For each pair of trades, keep those where on the process date, the trade account held a long position in the security of one trade and short in the security of the other with the number of contracts in each > 0.

**Trade Position**(V) =

Position for [Position **Account**] = [Trade Account] and [Position **Product**] = [Trade Product] and [Position **Date**] = Process Date

For each pair of Trades, find Position 1 (Trade Position(V) for Trade 1) and Position 2 (Trade Position(V) for Trade 2).  
Keep the pair if:

* The trade account held a long position in the security of one trade and short in the security of the other:  
  [Position Long Short Index Flag] for Position 1 <> [Position Long Short Index Flag] for Position 2   
  And
* [Position Quantity] for both Position 1 and Position 2 > 0

Report the trade (Trade 1) with all matching trades (Trade 2) as option spreads are not allowed for accounts with this Option Approval Level

**Note**: Each trade may make a spread with multiple trades, however, the model reports each trade only once

## Rule 4: Uncovered Put NotAllowed

Report Sell Put Option Trade if Option Approval Level < 4 and [Total Short Put Position (Shares)](https://confluence.fg.rbc.com/pages/viewpage.action?pageId=197921012) > [Total Long Put Position (Shares)](file:///\\oak.fg.rbc.com\pages\viewpage.action%3fpageId=209225463) + [Short Position in Underlying](https://confluence.fg.rbc.com/display/CIT/GSS+DE1468+-+OTR+Short+Position+in+Underlying) Product

Report the trade as *Uncovered Puts* (Naked Puts) are not allowed for accounts with this option approval level if:  
[Account Option Approval Level] < 4 And  
{Product is Option} with [Trade Product Key] And Short Put Position (Shares)  
[Trade Direction] = Sell And   
[Product Call Put Indicator] = Put And  
[OTR Total **Short Put** Position (**Shares**)](https://confluence.fg.rbc.com/pages/viewpage.action?pageId=197921012)(V) > [OTR Total **Long Put** Position (**Shares**)](file:///\\oak.fg.rbc.com\pages\viewpage.action%3fpageId=209225463)(V)+ [OTR **Short** Position in **Underlying**](https://confluence.fg.rbc.com/display/CIT/GSS+DE1468+-+OTR+Short+Position+in+Underlying)(V)

## Rule 5: Uncovered Call NotAllowed

Report Sell Call Option Trade if Option Approval Level < 5 and [Total Short Call Position (Shares)](https://confluence.fg.rbc.com/pages/viewpage.action?pageId=197921012) > [Total Long Call Position (Shares)](file:///\\oak.fg.rbc.com\pages\viewpage.action%3fpageId=209225463) + Long Position in Underlying Product

Report the trade as *Uncovered Calls* (Naked Calls) are not allowed for accounts with this option approval level if:  
[Account Option Approval Level] < 5 And  
{Product is Option} with [Trade Product Key] And  
[Trade Direction] = Sell And   
[Product Call Put Indicator] = Call And  
[OTR Total **Short Call** Position (**Shares**)](https://confluence.fg.rbc.com/pages/viewpage.action?pageId=197921012)(V) > [OTR Total **Long Call** Position (**Shares**)](file:///\\oak.fg.rbc.com\pages\viewpage.action%3fpageId=209225463)(V)+ OTR **Long** Position in **Underlying**(V)

## Rule 6: Trades Not Allowed for RegisteredAccounts

Report the registered account’s Option trade if any of the Rules 3,4 and/or 5 above were flagged

Report the trade as **registered** accounts are not allowed to trade option spreads, naked puts, or naked calls if:

{Product is Option} with [Trade Product Key] And  
[Account is Registered] with [Trade Account Key] And // [GSS DE1459 - Account Is Registered](https://confluence.fg.rbc.com/display/CIT/GSS+DE1459+-+Account+Is+Registered) = Y

the trade was already flagged for any of the following rules:

* 1. Rule 3 – Option Spreads Not Allowed Or
  2. Rule 4 – Uncovered Put Not Allowed Or
  3. Rule 5 – Uncovered Call Not Allowed

## Rule 7a: Close of Covering (Put)

Report the Non-Option Buy trade if Option Approval Level < 4 and account is holding a short Put position for the underlying that became uncovered as a result of the trade

Report the trade as it potentially closed covering for the short Put position which is not allowed for accounts this option approval level if:

[Account Option Approval Level] < 4 And  
**Not** {Product is Option} with [Trade Product Key] And

[[Trade Direction](file:///\\oak.fg.rbc.com\display\CIT\GSS+BR058+-+Determine+Trades+for+Options+Trading+Review)] = Buy And   
[OTR Total **Short Put** Position (**Shares**)](https://confluence.fg.rbc.com/pages/viewpage.action?pageId=197921012)(V) > [OTR Total **Long Put** Position (**Shares**)](file:///\\oak.fg.rbc.com\pages\viewpage.action%3fpageId=209225463)(V)+ [OTR **Short** Position in **Underlying**](https://confluence.fg.rbc.com/display/CIT/GSS+DE1468+-+OTR+Short+Position+in+Underlying)(V) // account is holding a short Put position for the underlying that became uncovered as a result of the trade

## Rule 7b: Close of Covering (Call)

Report the Non-Option Sell trade if Option Approval Level < 5 and account is holding a short Call position for the underlying that became uncovered as a result of the trade

Report the trade as it potentially closed covering for the short Call position which is not allowed for accounts this option approval level if:

[Account Option Approval Level] < 5 And  
**Not** {Product is Option} with [Trade Product Key] And

[[Trade Direction](file:///\\oak.fg.rbc.com\display\CIT\GSS+BR058+-+Determine+Trades+for+Options+Trading+Review)] = Sell And   
[OTR Total **Short Call** Position (**Shares**)](https://confluence.fg.rbc.com/pages/viewpage.action?pageId=197921012)(V) > [OTR Total **Long Call** Position (**Shares**)](file:///\\oak.fg.rbc.com\pages\viewpage.action%3fpageId=209225463)(V)+ [OTR **Long** Position in **Underlying**](https://confluence.fg.rbc.com/display/CIT/GSS+DE1468+-+OTR+Short+Position+in+Underlying)(V) // account is holding a short Call position for the underlying that became uncovered as a result of the trade

## Rule 8: Large Option Trade

Report the Option trade if Option Approval Level < 5 and trade quantity greater or equal to Large Trade Min Contracts Threshold

Report the trade as large option trade if:

[Account Option Approval Level] < 5 And  
{Product is Option} with [Trade Product Key] And

[Trade Quantity] >= “OTR Large Trade Min Contracts” Threshold

## Generate an Alert if

the Account is flagged for any of the Trades and Rules.

# Display

## Top Banner

## Top Banner – Collapsed State – Same as all Alerts

|  |
| --- |
| SP Account Review SP Business Unit | Alert ID : RTS-OTR-101637835 | Priority: High |Step: Ready |Owner: Administrator | Alert Date: 11/13/2021 |Score: 50 |

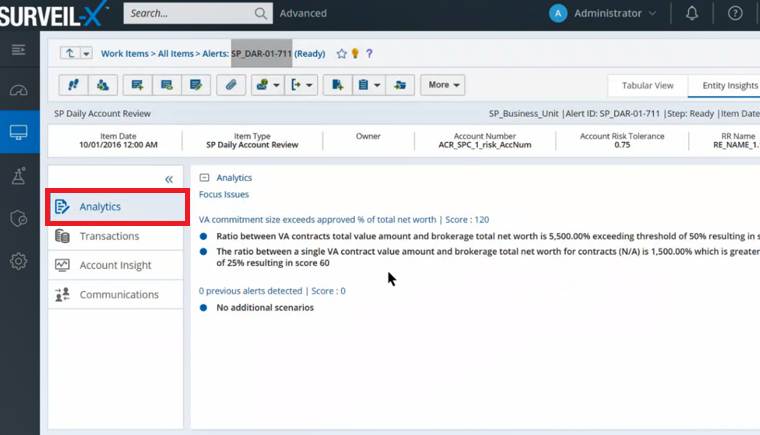
## Top Banner – Expanded State

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Account Name | Something LTD |  | Account Number | 41143854 |  | Primary Party Age | 49 | **Description**  This model contains all of the client statement information that meet IIROC's Minimum Standers for Retail Account Supervision, for monthly review |
| Option Approval Level | 3 |  | IA Code | JKV |  | IA Name | Peter Smith |
| Branch Cd | 411 |  | Branch Name | North York |  | Fee Type | Comm (regular) |
| Discretionary | No |  | Registered | No |  | Account Category | Customer Account |
| **KYC Client Risk Low/Medium/Med-High/High** | 0/100/0/0 |  | **KYC Time Horizon <1/1-3/3-5/5-10/10+** | 0/0/0/0/100 |  | **KYC Investment Objectives: Cap. Preservation/Income/Growth/ Aggressive Growth** | 20/30/50/0 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Account Name** | [Account Short Name] | **Account Number** | [Account Client Number] | **Primary Party Age** | [Client Age] |
| **Option Approval Level** | [Account Option Level] | **IA Code** | [Account Primary Representative Key] | **IA Name** | [Representative Name] |
| **Branch Cd** | [Account Branch Number] | **Branch Name** | [Branch Name] | **Fee Type** | [Fee Type Description] of [Account Fee Type ID] |
| **Discretionary** | [Account Is Discretionary] | **Registered** | [Account Is Registered] | **Account Category** | [Account Category] |
|  |  |  |  |  |  |

## Analytics

The analytics preset Tab is a present on the left as indicated in [red](file:///C:\Projects\RBC\PRD\DCH\Analytics.xlsx) area below .



On 2015-09-25 the account has trades that appear to break the following Minimum Standards of Account Supervision rules:

* “Violated **-** Rule 1 – No Option Trading Approved“
* “Violated **-** Rule 2 – Long Options Trading Not Approved”
* “Violated **-** Rule 3 – Option Spreads Not Approved”
* “Violated **-** Rule 4 –  Naked Puts Not Approved”
* “Violated - Rule 5 –  Naked Calls Not Approved”
* “Violated - Rule 6 –  Trades Not Approved for Registered Accounts”
* “Violated **-** Rule 7 –  Close of Covering Put for Option Position”
* “Violated - Rule 7 –  Close of Covering Call for Option Position”
* “Violated - Rule 8 -  Large Option Trade, “ + [Trade Quantity] (Base Currency format) + “(Threshold = “ + “OTR Large Trade Min Contracts” Threshold (Base Currency format) + “)”
* “Account Approval - level “ + [Account Option Approval Level] + “ - Naked Put Options Trading”

**Notes**:

* + - 1. Only Rules that are Violated appear in the section above.
      2. Rule 7 appears if Rule 7a or 7b are violated (only one can be violated in one alert)
      3. The Account Approval level is the only row that is always displayed, and Level 4 above, is just an example.

**Rules Violated | Score 20**

* “Number of Rules Violated” + {Count number of Rules violated in this Alert} + “, Score is “ + {Rules Violated Score}

**Traded Violating the Rule | Score 20**

* “Number of Trades Violating the Rules” + {Count number of Trades violating in this Alert} + “, Score is “ + {Traded Violating the Rule Score}

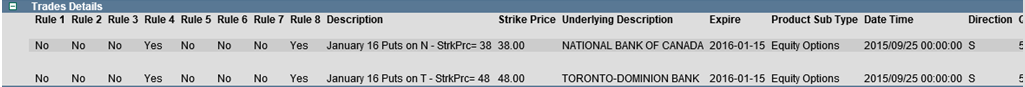
**Prior Alerts by Account | Score 10**

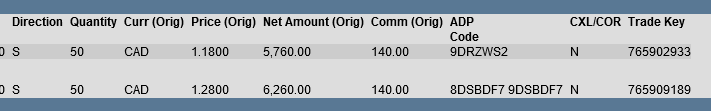
* “Number of Prior OTR Alerts for the account in the prior ” + “RCM OTR Prior Alerts Lookback Period” Threshold + {Rules Violating} + “, Score is “ + {Prior Alerts by Account Score}

|  |  |  |  |
| --- | --- | --- | --- |
| Factor |  | Value Used for Scoring | Score Applied for the Value Range |
| Prior Alerts by Account | The score quantifies the severity of an alert with respect to how many alerts had been generated in the past because of the same Rule being violated for the same account | {Prior Alert Score Count} with input Account Key, OTR, Process Date | <=2 : 10  >=3 and <5 : 20  >= 5 :30 |
| Rules Violated | The score quantifies the severity of an alert with respect to how many different Rules (out of the 8) are violating the OTR Rule in this Alert | Count number of Rules violated in this Alert | <=2 : 10  **>= 3 :20** |
| Traded Violating the Rule | The score quantifies the severity of an alert with respect to how many different Trades are violating the OTR Rule in this Alert | Count number of Trades violating in this Alert | <=2 : 10  **>= 3 :20** |

**Note**: I didn’t find the score ranges in the requirement document.

## Custom Trades Preset





|  |  |  |
| --- | --- | --- |
| Is Rule 1 Violated | Rule 1 | If Rule 1 - OTR No Option Trading Approved is violated, then ‘Yes’, Else 'No' |
| Is Rule 2 Violated | Rule 2 | If Rule 2 - OTR Long Options Not Approved is violated, then ‘Yes’, Else 'No' |
| Is Rule 3 Violated | Rule 3 | If Rule 3 - OTR Option Spreads Not Approved is violated, then ‘Yes’, Else 'No' |
| Is Rule 4 Violated | Rule 4 | If Rule 4 - OTR Naked Puts Not Approved is violated, then ‘Yes’, Else 'No' |
| Is Rule 5 Violated | Rule 5 | If Rule 5 - OTR Naked Calls Not Approved is violated, then ‘Yes’, Else 'No' |
| Is Rule 6 Violated | Rule 6 | If Rule 6 - OTR Trades Not Approved for Registered Accounts is violated, then ‘Yes’, Else 'No' |
| Is Rule 7 Violated | Rule 7 | If Rule 7a or 7b - OTR Close of Covering is violated, then ‘Yes’, Else 'No' |
| Is Rule 8 Violated | Rule 8 | If Rule 8 - OTR Large Option Trade is violated, then ‘Yes’, Else 'No' |
| Product Description | Description | [[Product Description]](https://confluence.fg.rbc.com/display/CIT/GSS+DE0091+-+Product+Description) of [Trade Product Key] |
| Strike Price | Strike Price | [[Product Strike Price]](https://confluence.fg.rbc.com/display/CIT/GSS+DE0097+-+Strike+Price) of [Trade Product Key] |
| Underlying Product Description | Underlying Description | [[[Product Description]](https://confluence.fg.rbc.com/display/CIT/GSS+DE0091+-+Product+Description) of [Product Underlying Key] of [Trade Product Key]](https://confluence.fg.rbc.com/display/CIT/GSS+DE0100+-+Underlying+Product+Name) |
| Expiration Date | Expire | [[Product Expiration Date]](https://confluence.fg.rbc.com/display/CIT/GSS+DE0097+-+Strike+Price) of [Trade Product Key] |
| Product Sub Type | Product Sub Type | [[Product Sub Type]](https://confluence.fg.rbc.com/display/CIT/GSS+DE0097+-+Strike+Price) of [Trade Product Key] |
| Trade Date Time | Date Time | [[Trade Date (Time)]](https://confluence.fg.rbc.com/display/CIT/GSS+DE0433+-+Trade+Date) |
| Trade Direction | Direction | [[Trade Direction]](https://confluence.fg.rbc.com/display/CIT/GSS+DE0432+-+Trade+Direction) |
| Trade Quantity | Quantity | [Trade Quantity] |
| Trade Curr (Orig) | Curr (Orig) | [[Trade Currency Cd (Orig)]](https://confluence.fg.rbc.com/pages/viewpage.action?pageId=192166203) |
| Trade Price (Orig) | Price (Orig) | [[Trade Price (Orig)]](https://confluence.fg.rbc.com/pages/viewpage.action?pageId=192166203) |
| Trade Net Amount in original currency of the region | Net Amount (Orig) | [[Trade Net Ammount (Orig)]](https://confluence.fg.rbc.com/pages/viewpage.action?pageId=182304068) |
| Trade Commission in original currency of the region | Comm (Orig) | [Trade Commission (Orig)]  From RBC: [GSS DE1069 - Trade Commission (Orig)](https://confluence.fg.rbc.com/pages/viewpage.action?pageId=218104916) [DE0182 - Trade Commission](file:///\\oak.fg.rbc.com\pages\viewpage.action%3fpageId=181868791) |
| ADP Code | ADP Code | [[Product ADP](https://confluence.fg.rbc.com/display/CIT/GSS+DE0205+-+ADP+Code) Code] of [Trade Product Key] If multiple values, display each on a separate line and no separator.  **Note**: needs to be confirmed with the Data team, making sure they support multiply ADPs per product |
| Trade Cancel/Corrected Flag | Cancel/Correct: | [Trade Cancel/Corrected Flag] |
| Trade Key | Trade Key | [Trade Key] |

## Custom Strategy



|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Underlying Description** | **Date** | **Total Short Call Contracts** | **Total Long Call Contracts** | **Total Long Shares** | **Shortfall Quantity** | **Total Short Put Contracts** | **Total Long Put Contracts** | **Total Short Shares** | **Shortfall Quantity** |
| [[Product Description]](https://confluence.fg.rbc.com/display/CIT/GSS+DE0091+-+Product+Description) of [Product Underlying Key] of [Trade Product Key] | Latest Date Underlying Security was Traded by Account prior to alert(V) | OTR Total Short Call Position (Contracts)(V) | OTR Total Long Call Position (Contracts)(V) | OTR Long Position in Underlying(V) | Uncovered Position for Calls(V) | OTR Total Short Put Position (Contracts)(V) | OTR Total Long Put Position (Contracts)(V) | OTR Short Position in Underlying(V) | Uncovered Position for Puts(V) |
| National Bank Of Canada | 2015/09/25 | 0 | 0 | 30,000 | 0 | 50 | 0 | 0 | 5,000 |
|  | 2021/01/23 | 0 | 0 | 0 | 0 | 50 | 0 | 0 | 5,000 |
|  | 2021/01/23 | 1,200 | 330 | 40,000 | 50,000 | 150 | 90 | 10,000 | 0 |

Or

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Total Short Call Contracts** | **Total Long Call Contracts** | **Total Long Shares** | **Shortfall Quantity** | **Underlying Description** | **Total Short Put Contracts** | **Total Long Put Contracts** | **Total Short Shares** | **Shortfall Quantity** |
|  |  |  |  |  |  |  |  |  |  |
| 2015/09/25 | 0 | 0 | 30,000 | 0 | National Bank Of Canada | 50 | 0 | 0 | 5,000 |
| 2021/01/23 | 0 | 0 | 0 | 0 | Toronto-Dominion Bank | 50 | 0 | 0 | 5,000 |

## Thresholds

|  |  |
| --- | --- |
| Trade Min Size (Contracts) | “RCM OTR MIN Trade Quantity” Threshold |

## Prior Alerts By Account

|  |  |
| --- | --- |
| Prior Alerts By Account | Opens RTS Options Trading Review - Alert Summary  where Account Key = Alert’s Account Key and Item Date >= Process Date – “RCM OTR Prior Alerts Lookback Period” Threshold days |

# Thresholds

| **Title** | **DATA ELEMENT NAME** | **DESCRIPTION** |
| --- | --- | --- |
| [RCM OTR MIN Trade Quantity Threshold](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE1463+-+RCM+OTR+MIN+Trade+Quantity+Threshold) | RCM OTR MIN Trade Quantity Threshold | Options Trading Review: minimum option trade size (contracts) to be included in review. |
| [OTR Large Trade Min Contracts Threshold](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE0336+-+OTR+Large+Trade+Min+Contracts+Threshold) | OTR Large Trade Min Contracts Threshold | Options Trading Review: minimum number of contracts for the trade to be considered large. |
| [RCM OTR Prior Alerts Lookback Period Threshold](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE1464+-+RCM+OTR+Prior+Alerts+Lookback+Period+Threshold) | RCM OTR Prior Alerts Lookback Period Threshold | Options Trading Review: number of calendar days to look-back for prior alerts to calculate [OTR Prior Alerts by Account](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE1473+-+OTR+Prior+Alerts+by+Account). |

# Lists

## [RTS-OTR Account Range Exclude List](https://confluence.fg.rbc.com/display/CIT/GSS+DS091+-+Options+Trading+Review+Account+Range+Exclude+List)

* **RTS-DCH** Account Range Exclude List

|  |
| --- |
| [GSS DE1336 - RCM OTR Account Range Exclude List - End Date](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE1336+-+RCM+OTR+Account+Range+Exclude+List+-+End+Date) |
| [GSS DE1335 - RCM OTR Account Range Exclude List - Start Date](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE1335+-+RCM+OTR+Account+Range+Exclude+List+-+Start+Date) |
| [GSS DE1332 - RCM OTR Account Range Exclude List - Region](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE1332+-+RCM+OTR+Account+Range+Exclude+List+-+Region) |
| [GSS DE1334 - RCM OTR Account Range Exclude List - Account Range To](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE1334+-+RCM+OTR+Account+Range+Exclude+List+-+Account+Range+To) |
| [GSS DE1333 - RCM OTR Account Range Exclude List - Account Range From](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE1333+-+RCM+OTR+Account+Range+Exclude+List+-+Account+Range+From) |

### [RTS Branch Exclude List](file:///\\oak.fg.rbc.com\display\CIT\RCMLIST+UI009-1+-+RTS+Branch+Exclude+List)

* RTS DTR Branch Exclude List

|  |
| --- |
| [GSS DE1340 - RCM OTR Branch Exclude List - End Date](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE1340+-+RCM+OTR+Branch+Exclude+List+-+End+Date) |
| [GSS DE1339 - OTR Branch Exclude List - Start Date](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE1339+-+OTR+Branch+Exclude+List+-+Start+Date) |
| [GSS DE1338 - RCM OTR Branch Exclude List - Branch Number](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE1338+-+RCM+OTR+Branch+Exclude+List+-+Branch+Number) |
| [GSS DE1337 - RCM OTR Branch Exclude List - Region](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE1337+-+RCM+OTR+Branch+Exclude+List+-+Region) |

## OTR Broker Exclude List

|  |
| --- |
| [GSS DE1341 - RCM Broker Exclude List - Region](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE1341+-+RCM+Broker+Exclude+List+-+Region) |
| [GSS DE1344 - RCM Broker Exclude List - End Date](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE1344+-+RCM+Broker+Exclude+List+-+End+Date) |
| [GSS DE1343 - RCM Broker Exclude List - Start Date](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE1343+-+RCM+Broker+Exclude+List+-+Start+Date) |
| [GSS DE1342 - RCM Broker Exclude List - Broker Id](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE1342+-+RCM+Broker+Exclude+List+-+Broker+Id) |
| [GSS DE2172 - RCM Broker Exclude List - Model Name](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE2172+-+RCM+Broker+Exclude+List+-+Model+Name) |
| [GSS DE2173 - RCM Broker Exclude List - List Name](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE2173+-+RCM+Broker+Exclude+List+-+List+Name) |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| [**GSS DE1341 - RCM Broker Exclude List - Region**](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE1341+-+RCM+Broker+Exclude+List+-+Region) | [**GSS DE2172 - RCM Broker Exclude List - Model Name**](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE2172+-+RCM+Broker+Exclude+List+-+Model+Name) | [**GSS DE2173 - RCM Broker Exclude List - List Name**](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE2173+-+RCM+Broker+Exclude+List+-+List+Name) | [**GSS DE1342 - RCM Broker Exclude List - Broker Id**](https://confluence.fg.rbc.com/display/CIT/GSS+DE1342+-+RCM+Broker+Exclude+List+-+Broker+Id) | [**GSS DE1343 - RCM Broker Exclude List - Start Date**](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE1343+-+RCM+Broker+Exclude+List+-+Start+Date) | [**GSS DE1344 - RCM Broker Exclude List - End Date**](file:///\\oak.fg.rbc.com\display\CIT\GSS+DE1344+-+RCM+Broker+Exclude+List+-+End+Date) |
| CA | RTS-OTR | exclude |  | NULL | NULL |
| CA | SP\_TB | exclude |  | NULL | NULL |