

RTS 28 Quality of Execution Annual Report

Firm: PGGM Treasury BV.

Calendar Year Disclosure Period: 1 January 2018 to 31 December 2018

Date: 30 April 2019

Summary of classes of instruments included in this report, and class of instruments not included in this report (because PGGM has not executed client orders in that class of instruments)¹:

Classes of instruments included in this report
<ul style="list-style-type: none">• <i>Debt Instruments</i>• <i>Interest rate derivatives</i>• <i>Currency derivatives</i>

RTS 28 reporting requires firms to classify executed orders as “passive”, “aggressive” or “directed”, where these are defined as the following:

- “passive” order means an order entered into the order book that provided liquidity;
- “aggressive” order means an order entered into the order book that took liquidity;
- “directed” order means an order where a specific execution venue was specified by the client prior to the execution of the order.

Only orders executed directly on exchange would be eligible for this “passive” or “aggressive” classification. This not the case with PGGM. Trading volume identified as “passive” or “aggressive” in the following reporting is therefore not applicable.

PGGM does not have any client relationships where the client directs PGGM to use a specific venue. There are therefore no directed orders.

¹ As defined in Annex 1 of [RTS 28](#).

Class of instrument	Debt Instruments
General observations	<p>Debt instruments include both bonds and money market instruments.</p> <p>Three venues are dominant in Debt Instruments trading Tradeweb, MTS Bondvision and Bloomberg. These venues are the leading venues where most of the liquidity is found. The use of these venues aids to our commitment to realise best execution.</p>
Summary of analysis	
Execution factors	<p>PGGM defines the best possible result as a proper balance between cost, service and client added value within the existing risk and regulatory frameworks. PGGM takes into account the following factors:</p> <ul style="list-style-type: none"> • Sustainability factors • Relationship factors • Service consistency • Footprint • Price • Cost of execution • Nature and size of the order • Speed and likelihood of execution • Settlement factors • All other relevant factors <p>Cost is determined as total cost. This includes price, and all other costs of execution, such as venue rebates, clearing cost, settlement cost and/or third party execution cost.</p> <p>Best Execution is a process that cannot always be drilled down to a single execution. Elements such as sustainability factors, relationship factors and service consistency need to be monitored and valued over a longer period of time. Monitoring of transactions is done on a trade by trade base.</p>
Close links, conflicts of interest and common ownership with respect to execution venues	<p>Close links PGGM has no close links with execution venues/brokers that were used to execute orders</p>
	<p>Conflicts of interest PGGM has no conflicts of interest to report.</p>
	<p>Common ownerships PGGM has no common ownership to report.</p>
Specific arrangements with execution venues regarding payments	PGGM has no specific arrangements to report.

made or received, discounts, rebates or non-monetary benefits received	
Factors leading to a change in the list of execution venues listed in the order execution policy	<p>There were no changes to the list of execution venues/brokers in PGGM's Order Execution Policy.</p>
Differentiation across client categories	<p>N/A - all of PGGM's clients are classified as professional clients</p>
Use of data / tools relating to quality of execution	<p>PGGM has used the data and/or tools relating to quality of execution coming from:</p> <ul style="list-style-type: none"> • Order management System • Trading venues • In house TCA report • In house Broker review
Use of consolidated tape provider output	<p>PGGM has not used output from consolidated tape providers, as no useful consolidated tape data was available in 2018 for this instrument type.</p>
Use of DEA	<p>No direct electronic access to execution venues we used. The list of the top 5 venues:</p>

Class of Instrument	Debt Instruments				
Notification if <1 average trade per business day in the previous year	N				
Top 5 Venues in terms of volume (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed traded as a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
FMTS MTS France SAS	30,01%	22,57%	na	na	na
AMTS MTS Netherlands	17,76%	15,32%	na	na	na
BMTS MTS Belgium	14,49%	13,04%	na	na	na
FRAA Boerse Frankfurt Regulierter Markt	6,65%	9,73%	na	na	na
Nomura International DGQCSV2PHVF712743539	5,05%	3,52%	na	na	na
Conclusion	<p>PGGM evaluates both the execution as well as its counterparties along the benchmark of its best execution definition.</p> <p>To evaluate brokers and counterparties a broker review is used. The 2018 broker review indicates that counterparties used acted in line with PGGM's best execution policy.</p> <p>Evaluation of transactions is done via a Transaction Cost Analysis (TCA) report. This report evaluates the cost and footprint on a transaction basis as well as over all transactions. The 2018 TCA report indicates that PGGM acted in line with its best execution policy.</p> <p>An exemption report is set up and is monitored by Compliance. In 2018 no incidents were reported.</p> <p>Electronic trading platforms are selected on basis of functionality, counterparties connected, liquidity offered and user-friendliness. Periodically PGGM evaluates the offerings available in the market to see if the proper platforms are installed and used. The 2018 evaluation indicates that platforms used meet the requirements in line with PGGM's best execution policy.</p> <p>The output of the used tools indicates that PGGM acted in line with its best execution policy during 2018.</p>				

Class of instrument	Interest rate derivatives
General observations	<p>Interest rate derivatives include interest rate swaps only.</p> <p>In 2018 Tradeweb has been the dominant venue for Interest rate derivatives trading. This venue is one of the leading venues that supports the electronic order routing and execution of the liquidity provided by our approved counterparties. The use of this venue aids to our commitment to realise best execution.</p> <p>The top 5 is completed with 4 Counterparties, currently Systemic Internalisers</p>
Summary of analysis	
Execution factors	<p>PGGM defines the best possible result as a proper balance between cost, service and client added value within the existing risk and regulatory frameworks. PGGM takes into account the following factors:</p> <ul style="list-style-type: none"> • Sustainability factors • Relationship factors • Service consistency • Footprint • Price • Cost of execution • Nature and size of the order • Speed and likelihood of execution • Settlement factors • All other relevant factors <p>Cost is determined as total cost. This includes price, and all other costs of execution, such as venue rebates, clearing cost, settlement cost and/or third party execution cost.</p> <p>Best Execution is a process that cannot always be drilled down to a single execution. Elements such as sustainability factors, relationship factors and service consistency need to be monitored and valued over a longer period of time. Monitoring of transactions is done on a trade by trade base.</p>
Close links, conflicts of interest and common ownership with respect to execution venues	<p>Close links PGGM has no close links with execution venues/brokers that were used to execute orders</p>
	<p>Conflicts of interest PGGM has no conflicts of interest to report.</p>
	<p>Common ownerships PGGM has no common ownership to report.</p>
Specific arrangements with execution venues regarding payments	PGGM has no specific arrangements to report.

made or received, discounts, rebates or non-monetary benefits received	
Factors leading to a change in the list of execution venues listed in the order execution policy	There were no changes to the list of execution venues/brokers in PGGM's Order Execution Policy.
Differentiation across client categories	N/A - all of PGGM's clients are classified as professional clients
Use of data / tools relating to quality of execution	PGGM has used the data and/or tools relating to quality of execution coming from: <ul style="list-style-type: none"> • Order management System • Trading venues • In house TCA report • In house Broker review
Use of consolidated tape provider output	PGGM has not used output from consolidated tape providers, as no useful consolidated tape data was available in 2018 for this instrument type.
Use of DEA	No direct electronic access to execution venues we used. The list of the top 5 venues:

Class of Instrument	Interest Rates Derivatives				
	N				
Notification if < 1 average trade per business day in the previous year					
Top 5 Venues ranked in terms of volume (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
TREU					
TRADEWEB EUROPE LIMITED	46,44%	76,79%	na	na	na
BFXS5XCH7N0Y05NIXW11					
ABN AMRO Bank N.V.	8,96%	3,88%	na	na	na
E58DKGMJYYYYJLN8C3868					
Credit Suisse International	8,78%	7,26%	na	na	na
G5GSEF7VJP5I7OUK5573					
BARCLAYS BANK PLC	7,86%	6,24%	na	na	na
MP6I5ZYBUEU3UXPYFY54					
HSBC Bank PLC	6,58%	6,59%	na	na	na

Conclusion	<p>PGGM evaluates both the execution as well as its counterparties along the benchmark of its best execution definition.</p> <p>To evaluate brokers and counterparties a broker review is used. The 2018 broker review indicates that counterparties used acted in line with PGGM's best execution policy.</p> <p>Evaluation of transaction is done via a Transaction Cost Analysis (TCA) report. This report evaluates the cost and footprint on a transaction basis as well as over all transactions. The 2018 TCA report indicates that PGGM acted in line with its best execution policy.</p> <p>An exemption report is set up and is monitored by Compliance. In 2018 no incidents were reported.</p> <p>Electronic trading platforms are selected on basis of functionality, counterparties connected, liquidity offered and user-friendliness. Periodically PGGM evaluates the offerings available in the market to see if the proper platforms are installed and used. The 2018 evaluation indicates that platforms used meet the requirements in line with PGGM's best execution policy</p> <p>The output of the used tools indicates that PGGM acted in line with its best execution policy during 2018.</p>
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Class of instrument	Currency derivatives
General observations	In 2018 Bloomberg has been the preferred execution venue. This venue is one of the leading execution venues for FX. It supports an electronic order workflow, it facilitates the products PGGM uses and provides access to all our counterparties. The use of this venue aids to our commitment to realise best execution.
Summary of analysis	
Execution factors	<p>PGGM defines the best possible result as a proper balance between cost, service and client added value within the existing risk and regulatory frameworks. PGGM takes into account the following factors:</p> <ul style="list-style-type: none"> • Sustainability factors • Relationship factors • Service consistency • Footprint • Price • Cost of execution • Nature and size of the order • Speed and likelihood of execution • Settlement factors • All other relevant factors <p>Best Execution is a process that cannot always be drilled down to a single execution. Elements such as sustainability factors, relationship factors and service consistency need to be monitored and valued over a longer period of time. Monitoring of transactions is done on a trade by trade base.</p>
Close links, conflicts of interest and common ownership with respect to execution venues	Close links PGGM has no close links with execution venues/brokers that were used to execute orders
	Conflicts of interest PGGM has no conflicts of interest to report.
	Common ownerships PGGM has no common ownership to report.
Specific arrangements with execution venues regarding payments made or received, discounts, rebates or non-monetary	PGGM has no specific arrangements to report.

benefits received																									
Factors leading to a change in the list of execution venues listed in the order execution policy	There were no changes to the list of execution venues/brokers in the PGGM's Order Execution Policy.																								
Differentiation across client categories	N/A - all of the PGGM's clients are classified as professional clients																								
Use of data / tools relating to quality of execution	<p>PGGM has used the data and/or tools relating to quality of execution as follows:</p> <ul style="list-style-type: none"> • WM Reuters benchmark data • NewChange FX benchmark data • General market data • Broker provided market structure data 																								
Use of consolidated tape provider output	The Firm has not used output from consolidated tape providers.																								
Use of DEA	<p>No direct electronic access to execution venues we used. The list of the top 5 venues:</p> <table border="1"> <thead> <tr> <th>Class of Instrument</th> <th colspan="5">Currency Derivatives</th> </tr> <tr> <th>Notification if < 1 average trade per business day in the previous year</th> <th colspan="5">N</th> </tr> <tr> <th>Top 5 Venues ranked in terms of volume (descending order)</th> <th>Proportion of volume traded as a percentage of total in that class</th> <th>Proportion of orders executed as a percentage of total in that class</th> <th>Percentage of passive orders</th> <th>Percentage of aggressive orders</th> <th>Percentage of directed orders</th> </tr> </thead> <tbody> <tr> <td>BMTF Bloomberg</td> <td>100,00%</td> <td>100,00%</td> <td>na</td> <td>na</td> <td>na</td> </tr> </tbody> </table>	Class of Instrument	Currency Derivatives					Notification if < 1 average trade per business day in the previous year	N					Top 5 Venues ranked in terms of volume (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as a percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	BMTF Bloomberg	100,00%	100,00%	na	na	na
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An exemption report is set up and is monitored by Compliance. In 2018 no incidents were reported.

Electronic trading platforms are selected on basis of functionality, counterparties connected, liquidity offered and user-friendliness. Periodically PGGM evaluates the offerings available in the market to see if the proper platforms are installed and used. The 2018 evaluation indicates that platforms used meet the requirements in line with PGGM's best execution policy

Data from several sources has been used to evaluate the execution quality. The results indicate that PGGM acted in line with its best execution policy during 2018.