

GPW WATS 4.03

Contract Notes

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CONTENTS

Contents.....	2
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1. Disclaimer	3
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2. Preface.....	4
------------------------	----------

2.1. Target Audience.....	4
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2.2. Document Purpose.....	4
----------------------------	---

2.3. Associated Documents.....	4
--------------------------------	---

3. Document History	6
----------------------------------	----------

4. Introduction.....	8
-----------------------------	----------

5. Trade Record Definition.....	9
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1. DISCLAIMER

This document is for information purposes only and does not form any part of contractual documentation.

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In case of sections of documentation at a High level work progress according to the current version of *GPW WATS Advancement of Documentation*, Warsaw Stock Exchange will endeavor to limit changes to these sections of documents to those related to:

1. correcting errors in the documentation or in the software;
2. clarification of the documentation content or removing ambiguity;
3. implementation of approved change requests or;
4. regulatory changes.

2. PREFACE

This document has been prepared by Warsaw Stock Exchange in order to help in the implementation process of GPW WATS trading platform.

2.1. TARGET AUDIENCE

This document has been prepared to development staff, Independent Software Vendors who produce software integrated with GPW WATS, analysts, market participants and all clients who want to deepen their knowledge about GPW WATS.

2.2. DOCUMENT PURPOSE

This document provides the definition of Contract Notes file generated after the end of a trading day for each member or upon member's request. The file contains the list of all trades executed in WATS Trading System by the member.

2.3. ASSOCIATED DOCUMENTS

GPW WATS 4.03 Contract Notes is a part of GPW WATS documentation set.

Please check the following documents to learn about the construction of Trading System.

- GPW WATS 1.01 Trading System.

Please check the documentation of the trading protocols supported by GPW WATS.

- GPW WATS 2.01 Native Order Gateway Specification,
- GPW WATS 2.02 FIX Order Gateway Specification.

Please check the description of the communication with Data Distribution Service.

- GPW WATS 3.01 Market Data Protocol.

Please check the description of the communication with Internet Data Distribution System.

- GPW WATS 3.02 Internet Data Distribution System,
- GPW WATS 3.03 Streaming Messages for IDDS,
- GPW WATS 3.04 Rest API Messages for IDDS.

Please check the additional documentation, which explains other services provided within GPW WATS.

- GPW WATS 4.01 Drop Copy Gateway,
- GPW WATS 4.02 Post Trade Gateway,
- GPW WATS 5.01 Risk Management Gateway.

Please check the additional documentation describing the following:

- GPW WATS 2.03 Rejection Codes,
- GPW WATS 2.04 BenDec Message Definition Format,
- **GPW WATS 4.03 Contract Notes** (this document),
- GPW WATS 6.01 Connectivity,
- GPW WATS 6.02 (ENG) Short Code Record Keeping,
- GPW WATS 6.02 (PL) Mapowanie Short Code,
- GPW WATS 6.03 Short-Long Mapper User Guide.

It is recommended to read **GPW WATS 1.01 Trading System** document first.

3. DOCUMENT HISTORY

Version	Date	Description
0.60	12.02.2023	The initial publication of the document.
0.61	22.02.2024	Update of Trade Record Definition table.
1.0	30.04.2024	FirmID removed from Trade Record Definition.
1.1	28.06.2024	Publication of 1.1 version. No changes in the document.
1.1.2	9.08.2024	Firm ID code has been specified to Participant Code in the file name.
1.2	18.09.2024	No changes in the document.
1.3	17.10.2024	Publication of 1.3 version. No changes in the document.
1.4	29.10.2024	Unpublished version. All changes in this version have been documented in v1.5.
1.5	31.01.2025	SecondaryTradeReportID added to Trade Record Definition. ClientOrderID definition updated. SecondaryTradeReportID definition updated. InterestedParty field added to Trade Record Definition. ConnectionID, MarketSegmentID, TradeID, TradeQuantity, OrderID, SecondaryTradeReportID, OrderQuantity values change to integer. TradePrice, SettlementValue, OrderPrice values change to decimal. QuoteID values change to alphanumeric.
1.5.4	30.04.2025	Publication of version 1.5.4. No changes in the document.
1.6	26.05.2025	SecondaryTradeReportID is now provided for all types of TCRs, including single-sided block, dual-sided block and cross trades.
1.6.5	18.06.2025	Publication of version 1.6.5. No changes in the document.
1.6.6	10.07.2025	Publication of version 1.6.6. No changes in the document.
1.6.7	7.08.2025	Publication of version 1.6.7. No changes in the document.
1.6.8	14.08.2025	Code field added to Trade Record Definition. ContraFirm field added to Trade Record Definition. TransactTime field updated.
1.6.12	12.09.2025	Publication of version 1.6.12. No changes in the document.
1.6.15	29.09.2025	Publication of version 1.6.15. No changes in the document.
1.6.16	24.10.2025	Publication of version 1.6.16. No changes in the document.
1.7.1	18.11.2025	InstrumentID field added to Trade Record Definition.
1.7.1.1	12.12.2025	Publication of version 1.7.1.1. No changes in the document.
1.7.2-1.7.4		No changes in the document.
1.7.5	06.03.2026	Publication of version 1.7.5 No changes in the document.

Version	Date	Description
1.7.6-1.7.9		No changes in the document.
1.7.10	03.06.2026	Publication of version 1.7.10 No changes in the document.
1.7.11-1.7.12		No changes in the document.
1.7.13	15.07.2026	Data Type and Length columns added to Trade Record Definition.
1.7.17	27.08.2026	All updates are editorial in nature and do not alter existing system logic. The following chapter has been corrected: 5. Trade Record Definition - clarification on the range of values for: • TradePrice • TradeQuantity • LotSize • SettlementValue • OrderPrice • OrderQuantity • SelfMatchPreventionID • FeeStructureID • ClientID • ExecutingTrader InvestmentDecisionMaker – Contract Notes file naming convention updated.

4. INTRODUCTION

This document provides the definition of Contract Notes files generated after the end of a trading day for each member, or on demand on the request of a member at any time during the trading day.

A single file contains all trades executed by the member in all Market Models of GPW WATS, including:

- Central Limit Order Book,
- Block Trading,
- Cross,
- IPO,
- Tender Offer,
- Hybrid Market.

If two sides of the trade originate from the same member, then the file will contain two records for such trade – first for buy side and the second for sell side.

The list of trades contained in this file corresponds to the trades provided to the member real-time via Post-Trade Gateway Trade Capture Report (AE) FIX messages. The Contract Note file is just an additional source of trade data, that can be processed optionally and used for reconciliation purposes.

The file has coma separated structure (CSV). The following file naming convention will be used:

CN_WATS_FIRM_DATE_X.csv, where :

where:

- CN – Contract Notes,
- WATS – Trading System,
- FIRM – Participant code as defined in the Trading System,
- DATE – date of file generation and trades within in the YYYYMMDD format,
- X – type of file, N - file containing active trades, C - file containing cancelled trades

5. TRADE RECORD DEFINITION

The following table provides the structure of a trade record within the generated file:

Field Name	Values	Data Type	Length	Req*	Conditional	Description
ConnectionID	integer	int	2 bytes	M		ID of the connection that was used by the member to submit an order that resulted in a trade.
Code	alphanumeric	string	4 char	M		Code of the trading member.
MarketModel	1 = Central Limit Order Book 2 = Block Trading 3 = Cross 4 = IPO 5 = Tender Offer 6 = Hybrid Market	enum	1	M		Indicates the type of market model the trade was executed in.
MarketSegmentID	integer	int	4 bytes	M		Identifies the market segment within the trading system, which the instrument is traded on.
MarketID	MIC, alphanumeric	string	4 char	M		Identifies the market as per ISO1083.
SecurityID	ISIN, alphanumeric	string	12 char	M		Security identifier.
InstrumentID	integer	int	4 bytes	M		ID of the instrument assigned by the trading system. Multiple InstrumentIDs from different Market Models may share same ISIN code.
TradeCancellationFlag	1 = Trade 2 = Trade Cancellation	enum	1	M		Indicates whether the trade record refers to a new trade or to trade cancellation.
MarketOperationFlag	1 = Yes 2 = No	enum	1	M		Indicates whether trade or trade cancellation was executed by the member or by the market operator staff (i.e. market operations).

Field Name	Values	Data Type	Length	Req*	Conditional	Description
Trade Details						
TradeID	TVTIC	int	4 bytes	M	For CLOB, IPO, TO, HM trades the field provides FIX TrdMatchID (880) value. For BLOCK and CROSS trades the field provides FIX TradeID (1003) value.	The unique ID assigned to the trade entity once it is received or matched by the trading system. MiFID compliant Trading Venue Transaction Identification Code.
TransactTime	YYYYMMDD-HH:MM:SS.nnnnnnnnn (UTC)	string	27 char	M		Timestamp when the trade was matched by the matching engine.
Side	1 = Buy 2 = Sell	enum	1	M		Side of the trade.
Currency	ISO4217	string	3 char	M		Identifies currency used for price (i.e. instrument trading currency).
TradePrice	Price, decimal (18,8), decimal point is always provided explicitly in the output file	dec	8 bytes	M		Price of the execution.
TradeQuantity	Quantity, from 1 to 2 ⁶⁴ -1	int	8 bytes	M		Quantity of the execution (expressed in number of Lots).
LotSize	Quantity, from 1 to 2 ³² -1	int	4 bytes	M		Size of a single Lot that is applicable for an instrument.
SettlementValue	decimal (20,2)	dec	8 bytes	M		Trade settlement value (includes accrued interests for bonds and multiplier for derivatives) that was forwarded to CCP.
SettlementDate	YYYYMMDD	string	8 char	M		Specific date of trade settlement (SettlementDate) in YYYYMMDD format.
LiquidityIndicator	1 = Passive execution 2 = Aggressive execution 3 = Auction execution	enum	1	O	Applicable to CLOB and HM trades only, otherwise empty.	Indicates whether the order added liquidity or removed liquidity from the order book (looking from the perspective of the current execution).

Field Name	Values	Data Type	Length	Req*	Conditional	Description
AlgorithmicTradeIndicator	1 = Non-algorithmic trade 2 = Algorithmic trade	enum	1	M		Indicates that the trade originates from a computer program or algorithm requiring little-to-no human intervention. In the context of ESMA MiFID II, a trade has to be flagged as "algorithmic" if at least one of the matched orders was submitted by a trading algorithm.
Order Details						
OrderID	integer	int	8 bytes	O	Applicable to CLOB, IPO, TO, HM trades only, otherwise empty.	Unique identifier for an order assigned by the trading system. OrderID is unique across all trading days, all order books, and all trading members, and it is persistent for the entire life of an order (i.e. it does not change after order modification). OrderID is generated for each order as a concatenation of connection ID + sequential number of a trading day (starting from 1) + sequence number of the message.
ClientOrderID	alphanumeric	string	20 char	O	Applicable to CLOB, IPO, TO, HM trades only, otherwise empty. The field is optional in trades originating from orders submitted via native protocol.	Unique identifier for an order assigned by the trading member. Trading Members that submit GTD/GTC orders must ensure uniqueness across days, for example by embedding a date within the ClOrdID value.
QuoteID	integer	int	8 bytes	O	Applicable to CLOB and HM trades originating from Mass Quotes only, otherwise empty.	Unique identifier of Mass Quote.
TradeReportID	alphanumeric	string	21 char	O	Applicable to BLOCK and CROSS trades only, otherwise empty.	Unique identifier of Trade Capture Report.
SecondaryTradeReportID	integer	int	8 bytes	O	Applicable to BLOCK and	Secondary static identifier of Trade Capture Report assigned by the trading system.

Field Name	Values	Data Type	Length	Req*	Conditional	Description
					CROSS trades only, otherwise empty.	
ContraFirm	alphanumeric	string	4 char	O	Applicable to BLOCK trades only, otherwise empty.	Code of the trading member who is the counterparty to the BLOCK transaction.
OrderType	1 = Market 2 = Limit 3 = Stop Loss 4 = Stop Limit K = Market With Left Over as Limit Q = Mass Quote B = Block C = Cross	enum	1	M		Type of the order.
OrderPrice	Price, decimal (18,8), decimal point is always provided explicitly in the output file	dec	8 bytes	O	Not provided in case of OrderType = 1 (Market) or 3 (Stop Loss).	Order price per unit of quantity (e.g. 1 Lot).
OrderQuantity	Quantity, from 1 to 2 ⁶⁴ -1	int	8 bytes	M		Total order quantity (expressed in number of Lots).
OrderCapacity	A = Agency P = Principal R = Riskless Principal	enum	1	M		Designates the capacity of the firm placing the order.
MarketMaking	1 - Not Market Maker 2 - Regular Market Maker 3 - Issuer Market Maker	enum	1	M		Indicates whether the trade originated from Market Making activity.
DirectElectronicAccess	1 = Yes 2 = No	enum	1	M		Sponsored Access / Direct Market Access indicator.

Field Name	Values	Data Type	Length	Req*	Conditional	Description
SelfMatchPreventionID	integer, from 1 to 255	int	1 byte	O	Applicable to CLOB, IPO, TO, HM trades only, otherwise empty.	Identifies orders that should not be matched against each other if both of them contain the same SelfMatchPreventionID (2362) for the same instrument and were submitted by the same Trading Member.
PreTradeTransparencyWaiver	0 = NLIQ 1 = OILQ 4 = ILQD 9 = LIS	enum	1	O		MiFID 2 Pre-Trade Transparency Waiver (if applicable) NLIQ – Negotiated Trade in Liquid Financial Instrument OILQ – Negotiated Trade in Illiquid Financial Instrument ILQD – Trade in Illiquid Instrument LIS – Large In Scale Trade
ClearingFirm	alphanumeric	string	20 char	M		Clearing Firm identifier used within trading system and forwarded to CCP.
Account	alphanumeric	string	16 char	O		Account provided by the Trading Member for clearing purposes.
AccountType	1 = Account is carried on customer side of the books 3 = House trader	enum	1	O		Type of account associated with an order.
FeeStructureID	integer, from 1 to 255	int	1 byte	O		Optional identifier of a fee scheme for billing purposes.
Text	alphanumeric	string	18 char	O		Free format text string.
InterestedParty	alphanumeric	string	8 char	O		Free format identifier for trading member's own purposes.
ClientID	Short Code, from 4 to 2 ³² -1 or 1 = AGGR (an aggregation of multiple client orders) 2 = PNAL (clients are pending allocation)	int	4 bytes	O		MiFID 2 Client Identification short code. Code used to identify the client of the member or participant of Market. In case there is DEA, the code of the DEA user shall be used.
ClientIDQualifier	0 = None (only valid for reserved short codes) 23 = Firm or legal entity (LEI) 24 = Natural person	enum	2	O		Indicates whether the Client is a legal entity or natural person.

Field Name	Values	Data Type	Length	Req*	Conditional	Description
ExecutingTrader	Short Code, from 4 to $2^{32}-1$ or 3 = NORE (timing and location of the execution determined by the client of the Participant)	int	4 bytes	M		MiFID 2 Investment Decision within Firm short code. Code used to identify the person or the algorithm within the member or participant of the trading venue who is responsible for the investment decision.
ExecutingTraderQualifier	0 = None (only valid for reserved short codes) 22 = Algorithm 24 = Natural person	enum	2	M		Indicates whether the Executing Trader is an algorithm or natural person.
InvestmentDecisionMaker	Short Code, from 4 to $2^{32}-1$	int	4 bytes	O		MiFID 2 Execution within Firm short code. Code used to identify the person or algorithm within the member or participant of the trading venue who is responsible for the execution of the transaction resulting from the order.
InvestmentDecisionMakerQualifier	0 = None (only valid for reserved short codes) 22 = Algorithm 24 = Natural person	enum	2	O		Indicates whether the Investment Decision was made by an algorithm or natural person.

* Req: M – value is always provided, O – optional value or conditionally provided.