

# Market Conformity Check (MCC)

Market conformity check, price examination and monitoring of the best execution policy

MCC advantages:

Fully automated processes enable time savings and cost optimisation

Use of quality-assured data increases price and check quality

Optimized data collection processes and avoidance of own data storage **reduce data costs** 

Automated process chains and fall-back procedures reduce operational risks and manual processing efforts

Directive-compliant, transparent checking and documentation of all asset classes on one platform

Audit reports to ensure the traceability of price identification and examination ensure **auditability** 

Modularised processing levels enable highly customised integration

Optional operation in a BaFin-certified data centre fulfils necessary outsourcing requirements

Ongoing consideration of regulatory guidelines regarding sources and margins (Best Practice/User Group, proactive monitoring and optimisation)

The Market Conformity Check (MCC) meets the regulatory requirements for a systematic and transparent examination of trades as part of the market conformity check in accordance with MiFID II/ MaRisk and the price control in accordance with KARBV/ AIFMD.

The aim is to determine qualified spreads from several sources at the time of the trade or to deliver individual time series in order to carry out the subsequent check of the trades/customer transactions for execution in line with market conditions.

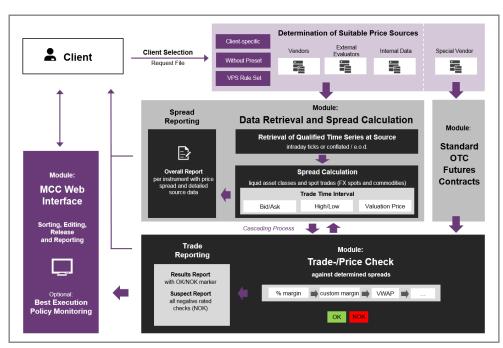
The necessary source and range determination is carried out via fully automated processes, which ensure the quality of the data sources and price data used through a large number of plausibility checks. Through the connection to various data sources, MCC enables the trade verification of all asset classes.

Furthermore, the MCC Service offers extensive reporting functions for internal and external audit purposes (e.g. best execution policy monitoring). Statistics on source and data usage facilitate decisions regarding necessary licenses, the choice of the "right" data provider or the possible useful addition of a further provider.

Thanks to the modular structure of the MCC Service, we can offer different processing levels, e.g. qualified data delivery for internal testing purposes as well as a fully comprehensive stand-alone service including web interface.

Module "Data Retrieval and Spread Calculation"

The necessary data determination and spread calculation for the examination are carried out via an automated process in the module "Data retrieval and



MCC Process Overview

MCC Service Modules

spread calculation".

For this purpose, all customer-specific available sources per trade are determined through a core set of rules and processed in the next step (module "Trade/Price Check"). Depending on the activation and provision of the data by the provider(s), they are collected, normalized and processed according to the rules and regulations. Optionally, it is also possible to provide the MCC service including the necessary market data.

Qualified Time Series (for import into a system) or qualified spreads are determined at the trading time point (period and starting time point are defined by the customer). Spreads can be built over any data or price fields (e.g. Low/ High Bid/ Ask, Open/Close).

In case reference rates are not available, an optional currency conversion at the time of trade is carried out via corresponding cross currencies, even across several currency pairs if necessary.

The integration of internal data or 3rd party sources (e.g. external evaluators) is possible at any time and is integrated into the automated overall process.

### Module "Trade/Price Check"

In addition to the delivery of qualified data, the delivered trades can also be checked directly against the determined spreads using the "Trade/Price Check" module. The module automatically checks whether a price target lies within a range. A trade gets the result (status code) "OK" if the price is within the range, otherwise "NOK" (not OK).

The result is displayed in the output file/database with an OK/NOK character. For checked trades, all parameters necessary for the examination, such as prices, price sources or OTC relevant parameters, are output in addition to the examination result. The margins to be considered can be customised.

It is equally possible to determine a customer-specific VWAP (Volume Weighted Average Price) across various sources and to check/eliminate price outliers by standard deviation.

# Module "Standard OTC Forward Contracts"

Special data and calculation methods are required for checking OTC transactions (FX spots, FX forwards, FX swaps and interest rate spots). In order to simplify the examination process and to reduce the costs for data collection, the MCC Service has an interface that enables the collection and processing of the necessary market data from qualified specialized vendors.

To carry out the examinations, the OTC trade price is compared with a theoretical OTC reference price, which is calculated using market data of liquid

Typical applications of the MCC Service:

Intraday examination of trades within the scope of market conformity checks

Audit of **liquid and illiquid asset classes** (including FX and commodities)

Review of standard OTC transactions

Automated **calculation of price ranges** based on market levels according to **IAS39** 

Checking the plausibility of exchange rates by calculating a **standard deviation** 

Verification of the Best Execution Policy (MiFID II) by plausibility check of the order execution (in particular for block orders) by calculating a customer-specific VWAP

Examination of trades against a determined arrival price according to the PRIIP regulation

standard instruments at the time of the trade.

The MCC Service provides a calculated model price for each trade and a theoretical price range around the model price (valuation corridor). If the traded price lies within the specified valuation corridor, it can be classified as being in line with the market (status code "OK"). Outliers can be classified as not in conformity with the market (status code "NOK").

### Module "MCC Web Interface"

The module "MCC Web Interface" provides a user-friendly system for processing and releasing the automatically generated test results.

Via the Web Interface, the checked trades can not only be displayed, but also commented, edited, released and stored in an audit-proof manner, either individually or in blocks.

The examination results of each processing run can be viewed and analysed in detail on instrument level via the web interface. It is also possible to select trades using the status code (OK, NOK). Each trade can then be commented on individually or in blocks by an authorized employee and provided with a new status code.

All editing and approval procedures (commentary history including time stamp, employee and status code) are logged for traceability of the price determination and price check and are made available in an automated audit report at the end of each month.

Extensive filter and research functions provide answers to questions such as: Were there any conspicuous aspects of certain trades? Were trades executed at the "Best Trading Venues"? What was the execution quality of individual brokers? Are there any particular anomalies with certain clients or instruments?

How much turnover was generated in which securities with which brokers?

It is possible to filter the data supplied by the client and stored in the dataAdvantages MCC Web Interface:

Reduction of manual efforts by simple and fast handling of trades that have failed the market conformity check

Transparency of the verification process through visualization of the market data at the time of trading

Roles and entitlement concept ensures auditproof process control

Logging of all editing and release sequences ensures **transparency in the examination process** 

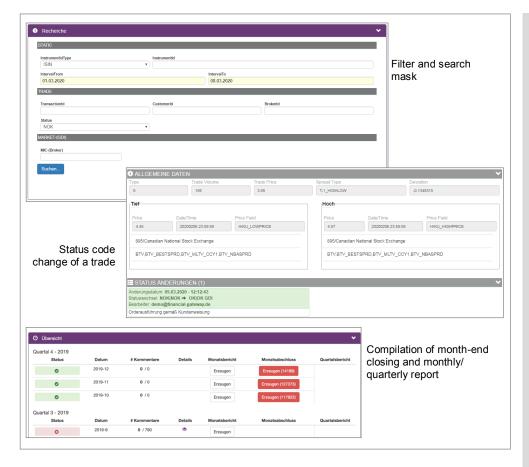
Monthly and quarterly reports as well as RTS 28 report enable a continuous monitoring of the execution quality (e.g. of individual brokers or trading venues).

Extensive filtering options and configurable ad-hoc reports enable case-related research

Extensive statistics on source and data usage support internal cost control with regards to market data usage

Special reporting for the monitoring of the **Best Execution Policy** 



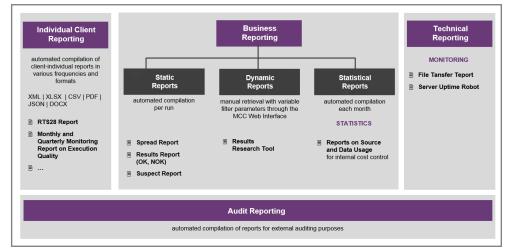


base, e.g. in freely defined periods according to ISIN; by general execution quality; by broker, client or stock exchange; by cost; within stored margins of tolerance; or according to the order verification status reports determined by the MCC Service.

The results of these manual queries can be compiled as a report and downloaded in various output formats. In the event of an audit, it is thus possible, for example, to provide retroactive information at any time on the execution quality of individual brokers or trading venues and the corresponding available market data.

In addition to the reports generated automatically per run (spread report, results report (OK, NOK) and suspect report), customer-specific, multitenant reports in various formats and time periods can also be generated (e.g. RTS 28 report; monthly and quarterly reports for monitoring the execution quality).

The integrated roles and entitlements concept guarantees audit-proof process control and the editing and release of trades/transactions exclusively by authorized users.



MCC Reporting

### Short profile

gd inside offers modular solutions and services with a focus on multi-provider connections in market data and process management.

The independent, ownermanaged company with many years of specialist market data and IT expertise acts as an interface between functional/regulatory requirements and technical implementation, and as a link between the vendor and the customer.

On request, gd inside can provide all the relevant services within a market data project - from expert advice, the procurement of special data, technical integration and development to the operation of individual components or entire solutions including business logic and continuous support during operation.

In addition to professional and technical consulting, the range of services includes tried-and-tested services in the areas of market conformity testing, best execution monitoring, transaction cost determination, valuation, reporting and monitoring.

The technical core is the gd inside Financial Gateway transfer, processing and monitoring platform, on which all services and customer-specific developments are set up and operated as integrated solutions or individual modules.



gd inside gmbh heinrichstrasse 9 60327 frankfurt am main

+49 69 2727 2809 info@gd-inside.de www.gd-inside.com