

REQUEST FOR PROPOSAL

General Information

The Client, a well-funded foreign exchange investor, is seeking for proposals from Metatrader Developers to develop a multi-currency and multi-time frame (or any time the FOREX market is open) automated robot trading system that can function in the Advanced Market's MT5 (or MT4) platform, can be exported to MQL5 Wizard and can be tested and optimized in MQL5 Strategy Tester. The currencies covered are: **USD, EUR, JPY, GBP, CHF, CAD, AUD and NZD.**

The Client already created a foreign exchange trading strategy that will be the basis of the multi-currency automated robot trading system. The multi-currency automated robot trading system, however, is just the start of a long journey.

In the future, the Client will request (and start) other new projects based on other foreign exchange trading strategies (to be developed by the Client) that will be integrated to the multi-currency and multi-time frame automated robot trading system (also called initial system). The overall goal is to transform the initial system into an adaptive multi-strategy, multi-currency and multi-time frame automated robotic trading system.

For this specific project (including the request for proposal phase), the Client and the Developer must follow the rules and steps mentioned in MQL5 Community (please refer to <https://www.mql5.com/en/job/rules> for more information). Specifically, the request for proposal process will follow the steps mentioned in the MQL5 Community, which are as follows: 1) work agreement, 2) requirements negotiation, 3) prototype / model, 4) demonstration, 5) work acceptance, and 6) payment.

Work Agreement

The overall objective of work agreement is to transform the strategy developed by the Client. The strategy is a proprietary property of the Client and, therefore, cannot be shared or disclosed by the Developer. As a result, the complete strategy will only be shared to the chosen Developer. The finalization of the work agreement will undergo an evaluation process that will be based on the criteria(s) mentioned in next page. The Client will be used the evaluation process to select the Developer. To give all Developers a fair chance to participate in this request for proposal, the evaluation process will be open until September 15, 2018.

QUESTIONS (that the Developer must reply to be considered in next step)

To participate in the evaluation process, the Developer must reply to the following questions:

1. Can the Developer perform all the minimum requirements mentioned in next section? If no, please provide a list of requirements that the Developer cannot perform.
2. Can the Developer perform the optional requirement mentioned in the next section?
3. Will the Developer provide post project support services for 1 year to ensure that any future errors / bugs in the system will be fixed immediately?
4. Can the Developer show screenshots or any other evidence of multi-currency and multi-indicator systems or other past projects that the Developers have developed / completed in the past? If yes, please post the screenshots or any evidence. If no, proceed to next question.
5. How much is the Developer's final quotation and what does it cover? The Developer must at least specify if he / she can perform either minimum or optional requirements or both and for how much.

If the Developer didn't answer these questions truthfully or uphold their answers during course of the project (even during requirements negotiation), then the Client will bring this matter to Arbitration Order.

Requirements Negotiation

Minimum Requirements

The Developer must be able to understand and code the following indicators and features into a multi-currency and multi-time frame automated robot trading system that will follow the Client's strategy:

- Calendar from Forex Factory (<https://www.forexfactory.com/calendar.php>) or FFCal
Sample can be found in <https://www.forexfactory.com/showthread.php?t=549773>
- Average Directional Index (ADX)
Sample can be found in <https://www.mql5.com/en/code/7955>
- Relative Strength Indicator (RSI) or Relative Strength Oscillator (RSO)
Sample can be found in <https://www.mql5.com/en/code/18913>
- Stochastic Indicator
Sample can be found in <https://www.best-metatrader-indicators.com/stochastic-oscillator/>
- Demarker Index (DI)
Sample can be found in <https://www.mql5.com/en/code/7963>
- Heiken Ashi
Sample can be found in <https://www.mql5.com/en/code/7835>
- Pair Strength Indicator
Sample can be found in <https://www.forexfactory.com/showthread.php?t=513671>
- Chaikin's Volatility Indicator
Sample can be found in <https://www.mql5.com/en/code/20>
- Market Sentiment Indicator linked - MyFxBook (<https://www.myfxbook.com/en/community/outlook>)
Sample can be found in <https://www.fxtradingrevolution.com/forex-sentiment-indicator.html>
- Commodity Channel Index (CCI) with MESA Transformation
Sample of CCI can be found in: <https://www.mql5.com/en/code/18>
- Money Management System that is based on % of capital at risk
Sample will be provided by the Client to chosen Developer
- Trailing Stop Loss Per Trade, Limits to Number of Open Position, Maximum Drawdown and No Slippage System
- Log or Journal file (ideally in excel format, if possible) that records all trades completed by the system and other information during the time the trade was executed

The Developer must also provide the following:

- Back-test the multi-currency and multi-time frame automated robot trading system using data from September 1, 2017 to September 1, 2018 and optimize the model to 99.00% quality using MQL5 Strategy Tester and provide the report to the Client
- Allow the Client to test the final multi-currency and multi-time frame automated robot trading system for 60 days using either demo, actual or both accounts (to ensure that it is error / bug free)
- Provide the original source code of the multi-currency and multi-time frame automated robot trading system and discussed to the Client using MQL5 Wizard

Optional Requirement

If possible, the Developer can also code an automated strategy tester and optimizer within the multi-currency and multi-time frame automated robot trading system, which still must include all minimum requirements, to ensure the model's quality is always 99.00%. Additional points in the evaluation process will be given to the Developer who can fulfill this optional requirement. Based on answers (to QUESTIONS portion) provided by the Developer truthfully and requirements mentioned above, the Client will evaluate each Developer based on the following criteria:

Criteria	Description or Basis	% of Total Score
Technical	1) The minimum and options requirements fulfilled 2) The answers to other questions (except question number 5)	50%
Financial	Final quotation	45%
Others	Background information / statistics of the Developer	5%

The project will be awarded to the Developer with the highest score that will be computed privately by the Client. The evaluation process will be completed by the Client on or before September 22, 2018.

Once the Client has chosen the Developer, the Developer will be asked to sign a simple Non-Disclosure Agreement (NDA) to ensure the strategy and system to be developed will be the sole ownership of the Client. After the NDA have been given to the Client, the work agreement and comprehensive strategy will be given to the chosen Developer. The Developer can then proceed to ask additional questions or proposed enhancements (but cannot reduce the scope of work) through the MQL5 Community, email or Skype calls to the Client during the requirement negotiation phase that is aimed to be complete by October 1, 2018.

Prototype Development

After the requirement negotiation phase is close, the Developer then provides a prototype of the ordered solution to the Customer / Client, in order to agree on the operation mode and/or appearance.

The prototype must be able to complete the whole analysis process (mentioned in the strategy) for 2 currency pairs that will be chosen by the Client. The prototype and model development phase must be completed by the Developer and presented to the Client on or before November 1, 2018. Based on their discussion, the Customer and the Developer shall specify the fine details of the final order, which does not affect the overall operation of the ordered solutions, but can bring additional comfort during utilization.

Demonstration

After the prototype development, the Developer will be given 30 days maximum (starting from November 1, 2018) to complete the (complete version) multi-currency and multi-time frame automated robot trading system. The Developer will also be given 7 days maximum (starting from November 1, 2018) to back test the complete system using data from September 1, 2017 to September 1, 2018 and optimize the model to 99.00% quality using MQL5 Strategy Tester. The Developer will then provide a report to the Client.

Once the Client have received the report, the Developer will proceed to guide the Client on how to live test the complete system (using either demo or actual account in Advanced Market's MT5 platform) for 60 days. The Client will then provide the Developer details of any detected errors or add some clarifications during the live testing period. Once the errors found are fixed and verified by the Client, then the Client will inform the Developer to proceed with the Work Acceptance.

Work Acceptance

After the Client informs the Developer, the Developer will then share the original source code (or can post the files in the Order attached to the comments) to the Client. The Client and the Developer will then use MT5 Wizard together to discuss or "walkthrough" the source code (which should only take 1-3 days). The only criteria of the work acceptance and the Client's confirmation is the completion of the "demonstration" and "work acceptance" phases.

Payment

In accordance to the MQL5 Community's rules and steps, the required sum of money is automatically deducted from the Client's / Customer's account and added to the Developer's account by the Payment System upon the Customer's confirmation of the work delivery or the recognition of the Order as fulfilled after the expiry of the work acceptance period.