AIMA'S QUESTIONNAIRE FOR DUE DILIGENCE OF

MANAGED FUTURES FUND MANAGERS/COMMODITY TRADING ADVISORS (CTAs)



Published by The Alternative Investment Management Association (AIMA)

AIMA'S Illustrative Questionnaire for Due Diligence Review of MANAGED FUTURES FUND MANAGERS/COMMODITY TRADING ADVISORS (CTAS)

The purpose of this document is to serve as a guide to investors in their review and assessment of managed futures fund managers/CTAs. This due diligence questionnaire is an unavoidable process that investors must follow in order to choose a manager. It is most important to understand clearly what you plan to invest in. You will also have to:

- identify the markets covered,
- understand what takes place in the portfolio,
- understand the instruments used and how they are used,
- understand how the strategy is operated,
- identify the sources of return,
- understand how ideas are generated,
- check the risk control mechanism,
- know the people you invest with professionally and, sometimes, personally.

Not all of the following questions are applicable to all managers but we recommend that you ask as many questions as possible before making a decision.

IMPORTANT

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DISCLAIMER

Whilst AIMA has used all reasonable efforts to produce a questionnaire of general application in connection with a due diligence appraisal of managed futures fund managers/CTAs, in any particular case an investor is likely to have his own individual requirements and each managed futures fund manager/CTA his own characteristics. As a result, prior to any individual investor sending out the questionnaire, it is strongly recommended that the questions are reviewed and, where necessary, amended to suit his own requirements and his state of knowledge of the managed futures fund manager's/CTA's operations.

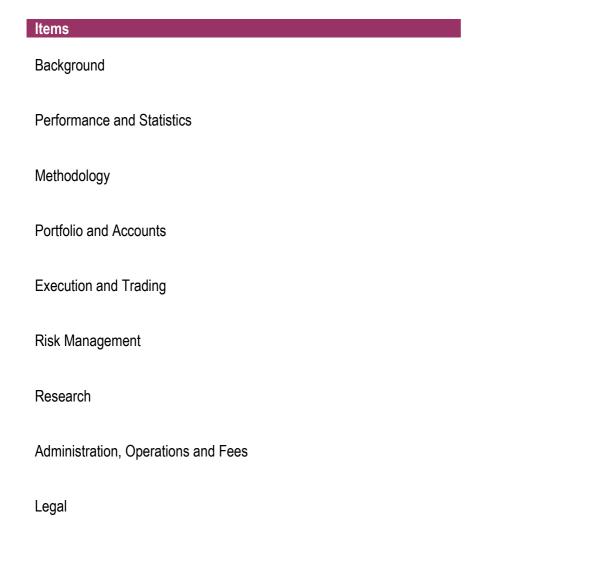
In addition, responses to the questionnaire should not be relied upon without review and, where considered appropriate, further investigation. In order to obtain the best possible information on any specific managed futures fund manager additional questions should be raised to clarify any point of uncertainty, and where practicable verbal examination should be undertaken. In particular, AIMA recommends that in respect of special areas of concern, such as fund performance or risk profile, independent third party data should, if possible, be obtained in order to verify these facts. Accordingly, none of AIMA, its officers, employees or agents make any representation or warranty, express or implied, as to the adequacy, completeness or correctness of the questionnaire. No liability whatsoever is accepted by AIMA, its officers, employees or agents for any loss howsoever arising from any use of this questionnaire or its contents or otherwise arising in connection therewith.

This questionnaire has been developed for Managed Futures Fund Managers/CTAs only and incorporates the input of leading U.S. CTAs and Commodity Pool Operators (CPOs). It is not intended for managers implementing securities-based strategies. A separate questionnaire relating to hedge fund managers is available from AIMA.

Other AIMA questionnaires available for selection of:
Fund of Funds Custody and Administration
Fund of Funds Managers
Fund Administration (excl. Fund of Funds) for Investors
Fund Administration (excl. Fund of Funds) for Managers
Hedge Fund Managers
Prime Brokers

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Alternative Investment Management Association (AIMA)
Lower Ground Floor, 10 Stanhope Gate, Mayfair, London W1K 1AL
Tel +44 (0)20 7659 9920 Fax +44 (0)20 7659 9921
www.aima.org

NAVIGATING THIS DOCUMENT	Please use tab-key or point mouse to the beginning of the input field
INPUTTING DATA	The size of the fields will automatically adjust to the length of your input

BACKGROUND	
ORGANISATION	
Company name:	Revolution Capital Management
Form of organisation (limited partnership, corporation,	LLC
etc.):	
Address:	1400 16th Street, Suite 510, Denver, CO 80202
Telephone:	720.496.0940 (Michael Mundt's cell: 303.517.6387)
Fax:	
E-mail:	info@revolutionfutures.com or michael.mundt@revolutionfutures.com
Internet/web-site	www.revolutionfutures.com
COMPANY	
How many employees does the firm currently have?	6
What is the greatest and least number of employees the	6, 5
firm has had in the last 3 years? Explain any significant	
employee turnover:	
List the names of senior managers in charge of the	
following areas:	
Trading:	Rob Olson, Chad Dougherty, and Jeff Perini
Research and development:	Michael Mundt, Rob Olson and Jeff Perini
Marketing and business development:	Michael Mundt and Mike Helmstetter
Administration:	Michael Mundt and Rob Olson
Programming:	Rob Olson, Chad Dougherty, Geoff Dix, and Jeff Perini
 Compliance, reporting, performance: 	Michael Mundt, Mike Helmstetter and Rob Olson
Other (please specify):	
Provide a brief background of the registered principals	Rob Olson, Ph.D. Aerospace Engineering, 10 years experience in Managed Futures
and senior managers (education, career background,	Michael Mundt, Ph.D. Aerospace Engineering, 16 years experience in Managed Futures
etc.). Have any principals or senior managers left the	
firm since inception? If yes, please explain:	
Provide details of the firm's current ownership structure	The firm is equally owned by the two principals. There are no plans for further ownership changes.
and any changes in the last 3 years. Are there any	
pending plans for further ownership changes?	
What is the firm's approximate net worth? Is the firm	The LLC itself has a net liquid worth of approximately \$2,000,000. There are no known minimum net
subject to any minimum net worth requirements or	worth requirements or covenants.
covenants?	
List all branch or affiliated offices, if any:	Jim Curley operates from an NFA-listed branch office in Chicago.
List the name, location, and function of any non-	Jim Curley, marketing for all programs.
employee representatives being used:	
Has the firm ever been registered as any of the	
following?	
Commodity Pool Operator (CPO):	Yes
Commodity Trading Advisor (CTA):	Yes
Futures Commission Merchant (FCM):	No
Introducing Broker (IB): Project Conditions (IBA)	No
Registered Investment Advisor (RIA): Other (places enesity):	No
Other (please specify):	No
Has the firm or any of its officers ever been associated	
or connected with any:	
Bank:	No V
• CPO:	Yes
Other CTA:	No
• FCM:	No

Hedge Fund:	No
• IB:	No
• RIA:	No
Other investment management activity	
(please specify):	No
If yes, please explain:	
With which regulatory authority is the firm registered?	National Futures Association
Date of registration:	December 27, 2004
Are all employees registered with the same	Michael Mundt and Rob Olson are Associated Persons registered with the NFA.
authority?	Č
List any professional affiliations and memberships of	N/A
the firm and its principals:	
List the firm's accountant/CPA, auditors, and attorneys:	CPA: Ramin Karimi of Jensen Burcham Stelmack Karimi (Longmont, CO), Auditor: Joseph Mazza of Compliance Supervisors Inc. (New York), Attorney: Justin Konrad and Brendan Chatham of Hutchinson Black and Cook (Boulder, CO)
Do any of the firm's principals have other significant	No.
business involvements? If yes, please describe them	
and indicate how much professional time is dedicated	
to each?	
Has an independent auditor ever reviewed the performance record? If yes, please enclose a copy of the most recent Audit Report.	Yes. Futures Accounting and Compliance audited the firm's managed pool account (Alpha program) for the years 2005 and 2006. Joseph Mazza audited the firm's managed pool account (Alpha program) for 2007-present. These results are on file with the NFA as part of reporting requirements. In addition, Joseph Mazza audited the managed account track record for the Mosaic program from inception through September 2010.
Has the performance record been included in any public	Yes. No "comfort letter" was given.
fund prospectus in the past five years? Was there a	
"comfort letter" given in respect of the record?	
Are there any issues from the firm's most recent	No.
regulatory review (NFA, SEC, CFTC, etc.) currently	
unresolved? If yes, please provide a detailed	
explanation:	
Does the firm have a current CFTC Reg. 4.21 Disclosure	Yes.
Document or a Reg. 4.7 Disclosure Document? If yes,	
please provide a copy:	
How soon is the next update due to the firm's	July 2015. No material changes are anticipated, only performance updates.
Disclosure Document? Are any material disclosure	
changes anticipated?	
Does the firm publish any newsletters or other	Nothing for public distribution.
publications? If yes, please provide copies.	
Provide two samples of reports typically sent to clients:	N/A
If not confidential, please provide a partial list of	N/A
existing clients with an indication of how long they have	
been clients. Please also show the amount of assets	
managed for them currently, as well as at the beginning	
of the last four fiscal years:	
Provide three client references:	N/A
What is the greatest percentage of assets under	N/A
management represented by any single client?	
Does the firm manage an account for any government	N/A
pension plans or entities?	
Which investor groups does the firm primarily target?	High net-worth individuals, FOFs and institutional investors.
Does the firm permit "feeder funds" into its own	Not at this time.
investment products?	
Has the firm made any future capacity commitments in	No.
terms of the right to place additional assets under the	
firm's management?	
DEDECOMANCE & STATISTICS	

PERFORMANCE & STATISTICS

Attach 13-column composite performance tables for all	See external document.
accounts traded pursuant to each of the firm's	See external document.
programmes (if available – see below):	
List assets under management (and percentage of total	
assets) for each of the following:	Mosaic/Mosaic Institutional: 0%, Alpha: 25%
Public funds:	Mosaic/Mosaic Institutional: ~9%, Alpha: ~10%
Private pools:	Mosaic/Mosaic Institutional: 0%, Alpha: ~25%
Individual accounts:	Mosaic/Mosaic Institutional: ~91%, Alpha: ~40%
Institutional accounts:	Mosaic/Mosaic Institutional: 0%, Alpha: 0%
 Proprietary accounts: Total assets under management: 	Mosaic+Mosaic Institutional: \$400,000,000 (as of October 1, 2014), Alpha: \$175,000,000 (as of
Total assets under management.	October 1, 2014)
If 13-column tables are not attached, attach a schedule sho	wing month-end assets under management for each programme since inception.
Note: indicate any notional funding and any non-standard	everage applied, if any.
Is the performance record actual or hypothetical?	Actual
Is the performance record in any respect derived or	The performance represents a composite with the actual fees applied.
excerpted?	
Is proprietary (and, presumably, non-fee-paying) capital	No
included in the performance record? If yes, what	
amount?	N.
Are there any material differences among the accounts	No.
included in the composite tables?	N/A
Are "exempt accounts" included or excluded from the performance record?	N/A.
Does the performance record reflect the full brokerage	Yes, the results include full brokerage costs.
charged to the client or have certain fund sponsors	res, the results include full blokerage costs.
identified a portion of such brokerage as excludable	
from the firm's performance calculations?	
List all markets now traded which are not included in	None.
the past five years' performance:	
What was the peak of assets under management?	
• US\$:	\$1,037,000,000
• Date:	August 1, 2011
Has the firm ever voluntarily returned assets to	No.
investors? If so, when, how much and why?	
How many separately managed accounts are currently	
open, grouped by size?	
• \$0 to \$250,000:	None.
• \$250,001 to \$1,000,000:	None.
• \$1,000,001 to \$5,000,000:	Mosaic/Mosaic Institutional: 2, Alpha: 12
• \$5,000,001 to \$10,000,000:	Mosaic/Mosaic Institutional: 2, Alpha: 3
• \$10,000,001 to \$20,000,000:	Mosaic/Mosaic Institutional: 1, Alpha: 4
• \$20,000,001 +:	Mosaic/Mosaic Institutional: 2, Alpha: 1
• Total:	Mosaic/Mosaic Institutional: 7, Alpha: 20
What percentage of the assets under management	Unknown.
consists of "notional equity"?	
What is the current equity value and starting date of the	\$3,500,000, January 2005 (for the Alpha pool).
oldest continuously traded account?	Was faulte Alaba and Salada and a salada and
	Yes for the Alpha pool, included on an accrual basis. No for managed accounts. NOTE: The Mosaic
Does the performance record include interest income?	track record includes an extremely small amount of interest income because much of the performance
If yes, explain basis of inclusion.	history, until recently, was based on notional trading. Monthly interest income for the Mosaic system, on
	an accrual basis, has averaged 0.042% since September 2007 when the program first had interest-
Have any agreements or understandings been received	bearing assets.
Have any agreements or understandings been reached with the CFTC/NFA regarding any aspects of the	No.
performance record?	
Are ther any pro forma adjustments included in the	The composite managed account performance is presented using a 0%/25% fee structure for
performance record? If so, how are these calculated?	Mosaic/Mosic Institutional and a mixed 0/25, 2/20 fee structure for Alpha.
portormande record: Il 50, now are these calculated?	Modulormodio mattational and a mixod 0/20, 2/20 100 attacture for Alpha.

Miles Conference on the conference of the confer	2.500 to Alaba 7.500 to Marchael 10.500 to March
What is the average number of round-turns traded per \$1million per year in each programme?	3,500 for Alpha, 7,500 for Mosaic Institutional, 22,500 for Mosaic.
Approximately how many trades are made in each	88 round-turns for Alpha, 144 round-turns for Mosaic Institutional, 360 round-turns for Mosaic.
market, each year, in each programme?	ou round-turns for Alpha, 144 round-turns for mosaic institutional, 500 round-turns for mosaic.
Does trading frequency tend to increase/decrease	Algorithmically driven, not related directly to profitability.
during profitable/unprofitable periods?	, , , . ,
What is the average annual commission as a percentage	Approximately 2% for Alpha; 4% for Mosaic Institutional; 10% for Mosaic. Stable year over year.
of assets included in the performance record for each	
programme? Does this vary significantly from year to	
year?	
What is the average management and performance fee	0% management, 25% performance for Mosaic/Mosaic Institutional. Alpha uses a 0/25 fee structure
structure included in the performance record?	prior to January 2014 and a 2/20 structure for January 2014 onward.
Do fees and/or commissions vary significantly from	No.
year to year? If so, by how much?	Not relevant due to multi-atrategy approach
What is the average percentage of winning and losing trades in each programme since inception? Are these	Not relevant due to multi-strategy approach.
percentages materially different to the past 12 months?	
If yes, please explain:	
What is the average gain per winning trade and average	
loss per losing trade?	
• \$ per contract:	Not relevant due to multi-strategy approach.
As a % of equity:	Not relevant due to multi-strategy approach.
What is the average holding period for:	
All trades:	Mosaic/Mosaic Institutional: 3 days, Alpha: 6 days.
Winning trades:	Not relevant due to multi-strategy approach.
Losing trades:	Not relevant due to multi-strategy approach.
What is the maximum amount of equity that the firm	Mosaic/Mosaic Institutional: >\$1 billion at 1x leverage, Alpha: >\$2 billion.
estimates can be traded in each programme?	
What is the annualised standard deviation, Sharpe Ratio	Alpha Program: 9.7%, 1.06, 10.3%
and compound annual rate of return for each	Mosaic Program: 30.8%, 0.40, 7.9% Mosaic Institutional Program: 11.9%, 0.44, 4.6%
programme? How do these compare with the firm's	All performance is consistent with expectations.
objectives?	7 iii portormanoo lo consistent war expeditatione.
List the three largest drawdowns as percentages of	Please see track records for details regarding depth and length of drawdowns. All drawdowns have
equity for each programme. Please also explain why	been well within the risk profiles of the programs.
each drawdown occurred, and show the recovery	
periods:	
What were the three longest drawdowns for each	Please see track records for details regarding depth and length of drawdowns. All drawdowns have
programme? Please explain:	been well within the risk profiles of the program.
What were the largest withdrawals in each programme	
since inception?	Maria Educa 2000 Aluba Barata 2004
• Date:	Mosaic: February 2010 Alpha: December 2011.
% of equity:Reasons:	Mosaic: 10.5% of 3x program Alpha: 40%.
	Mosaic: Unknown Alpha: shutdown of master FOF (of which Alpha was a component). N/A.
Has the firm ever permitted a client to intervene during the course of a relationship to adjust leverage or	IVA.
portfolio structure? If yes, please explain:	
What do you believe is the most important performance	De-correlation of returns relative to both industry benchmarks (e.g. Barclay CTA index) and also to
measurement with respect to each programme?	equity index benchmarks (e.g. S&P 500).
What is the projected growth in assets under	Unknown.
management over the next twelve months?	
Have there been any material leverage or other	Program improvements are made on an ongoing basis. These are outlined in the disclosure document.
adjustments in the past five years, and how have such	
adjustments affected the performance record?	
METHODOLOGY	
How would you characterise the firm's basic trading	
approach (in %)?	

Discretionary:	00/
Discretionary:Systematic:	100%
	100%
Other, please explain:	
How would you characterise the firm's main decision-	
making inputs (in %)?	00/
Fundamental: Tochnical:	0%
Technical: Other places explain:	
Other, please explain: Do you helious that one trader can have metarially.	100% (statistical pattern recognition is used to identify historically-profitable trading opportunities)
Do you believe that one trader can have materially better systems than another? Please explain:	Yes. To the extent that markets are inefficient, performance is related to skill.
What other advisors would you compare your firm to as	N/A.
most similar? In what respects?	IVA.
Which components of the firm's system, if any, do you	All components.
regard as proprietary (no details necessary)?	7 vii componente.
Why are major financial institutions, with their extensive	N/A.
resources, not implementing the same programmes as	
the firm in their proprietary trading?	
Are there any "relative value" or "arbitrage" aspects to	No.
the programme?	
Are calendar spreads or inter-market spreads used?	No.
How would you characterise the firm's trading methodology (in %)?	
Trend Following	
1.Regression analysis:	
2.Moving Average:	
3.Breakout systems:	
4.Pattern recognition:	
5.Oscillators;	
6.Other (please explain):	
• Cyclical:	
Countertrend:	
Special Situtation:	
Arbitrage:	
Market Neutral:	
Other (please explain):	pattern recognition (100%).
How, if at all, is "game theory" incorporated into the	It is not.
firm's trading strategies?	
If the firm operates different programmes, are they	Independent account control.
managed by "independent account control" or are	
positions aggregated for Speculative Position Limit	
purposes?	
Do all the programmes use the same trading	Mosaic targets a 0 correlation to trend following; Alpha targets a low correlation to trend following.
methodology? If not, please explain.	Hence, the blend of algorithms is different in each program.
Describe the firm's broad trading philosophy, strategy	Systematic, data-driven, algorithmic, multi-time scale, statistical.
and core principles in as much detail as possible.	
Describe the development of the firm's trading	Short and medium-term models were added to the Alpha program in August 2006. Mosaic added
methodology. Please include all material modifications	additional model classes in December 2007 and again in December 2009. Intra-day strategies were
made to the methodology over the period of the	added to Mosaic in February 2012 Intra-day strategies were added to Alpha in September 2012.
performance record:	
What do you believe gives the firm a competitive	Rigorous development methods, sophisticated mathematical/numerical analysis.
advantage or an "edge"?	
What are the strengths and weaknesses of the firm's	Strengths: consistent, unemotional.
trading methodology?	Weaknesses: doesn't factor in fundamental events such as war, drought, etc.
What makes the firm's trading methodology different	More emphasis on quantitative, computer-intensive algorithms and statistical rigor, as well as short-term
	wore emphasis on quantitative, computer-intensive algorithms and statistical rigor, as well as short-term
from other CTAs?	trading strategies.
from other CTAs?	trading strategies.

commitment to different market sectors?	
Do you alter the programme during drawdowns? As a	No.
result of drawdowns?	
During drawdowns, does the firm tend to increase or	No.
decrease the scop of its discretionary decision-making	
and non-systematic responses?	
Did one or more of the current principals develop the	Yes.
firm's trading methodology? If not, who did?	165.
	No
Could the unavailability of any of the firm's principals	No.
influence the trading methodology?	V _e .
Does the firm own the trading methodology currently	Yes.
being used? If not, who does?	
Are there any patents, trademarks, etc. held by the firm	Yes, patents are held by Michael Mundt in the area of hard disk drives.
or any of its principals?	
Describe the three worst trading experiences the firm has had, and explain how they influenced the evolution of the firm's trading methodology.	The single worst experience was at the start of our trading with the Alpha fund, when we were validating our basic operations. There was nothing wrong with our system per se, but the combination of limited domestic markets and now-outdated models combined to give us a 14.78% loss in our first four months of operation. However, it encouraged us to a) finalize our new long-term model suite, b) diversify into foreign markets, and c) devote considerable effort into developing short-term algorithms that can profit in market conditions not well suited to long-term, trend-exploiting models. The next worst experience happened in January 2010 with the Mosaic (3x) program. After 39 months of real-time trading, we experienced a -30% month (in a program that currently targets a 40% annualized volatility). This is not impossible but is an unlikely outlier event. This prompted us to diligently revisit the model implementation and the risk management. In the end, we found nothing wrong with our system deployment, but it is a proper reminder that the low-probability events do eventually occur, and it it thus important to make the short-term risk extremely clear to potential and current investors.
If the firm's trading methodology is computerised and systematic: • Is the trading system ever overridden? If	
yes, under what circumstances?	Only in case of unforeseen circumstances (it has never been overridden to date).
Does the trading system ever add to or	
reduce profitable or losing positions? If yes,	
under what circumstances? Are there	
maximum additions? If so, how is the	
maximum determined?	Trading strengths change on a daily basis as a result of the normal algorithmic influence.
 Are multiple trading systems used? If yes, 	
please explain:	Yes. Short-term (event-driven, pattern-based) as well as long-term (trend-exploiting)
 Does the firm apply the same system to all 	
markets or are there different systems for	
each?	Same for all markets.
What technical or fundamental information	
is considered important for a trade entry	
signal?	Price/volume/open interest/volatility/other.
 Are entry and exit signals generated by the 	
same trading system? If not, please explain	
how they are generated differently.	Yes.
Does the trading methodology differ frm	
market to market? If yes, please describe	
what the difference is based on?	No.
Is the trading system always with long or	
short, or is there also a neutral zone?	
Please explain:	Trading strength can vary continuously and can be 0 (i.e. neutral).
How frequently are changes made to the	Control of the contro
trading system? Please explain the	
development and implementation process:	Additions are made only after rigorous development and test periods. Additions are implemented only if
Is the firm's research focused on developing	
new trading systems or on further refining	the overall system performance and risk profile improve as a result.
the existing systems?	
the existing systems:	

	Mainly new development, but some refinement of current systems is done as well.
Is the "cost of carry" a factor in the current	
methodology?	No.
Which of the following activities are influenced by	
subjective judgement? Please answer by Yes or No,	
and indicate a % where applicable:	
Portfolio structure:	No.
Trade entry:	No.
Trade exit:	No.
Stops:	No.
Position size:	No.
Overall leverage:	No.
Selection of contract maturity:	No.
 Addition to or reduction of winning or losing 	
positions:	No.
Decision to halt trading:	Only in emergency situations.
Other (please specify):	
If fundamental information is used, what are its	None is used.
sources?	
How would the firm approach sudden and unexpected	We would pare down our in-house position limits.
illiquidity in any of the markets traded?	
Do you permit fundamental factors to influence risk	No influence.
management (e.g. liquidating or reducing certain	
positions before a G-7 meeting)?	
Are any filters used when selecting trades? If yes,	No.
please explain:	
Has the firm made any leverage adjustments in the	No.
past? If yes, why? When and how were they	
implemented?	N-
Has the firm made any specific modifications intended	No.
to reduce volatility? If yes, why? When and how were they implemented?	
Will the firm modify a trading methodology or portfolio	Yes. We will modify a portfolio (i.e. remove markets) at a particular client's request. We will also adjust
at particular clients' request? If yes, please explain:	the risk profile of the portfolio at a client's request.
	the risk profile of the portiono at a chefit's request.
Of the techniques below, which are used in the firm's	
trading methodology?	Information not provided due to proprietary nature of algorithms.
Moving averages of prices:	mormation not provided due to proprietary nature or arguments.
Chart patterns (head & shoulders, triangles,	Information not provided due to proprietary nature of algorithms.
flags, etc.):	manual net provided and to propriotary radiate of digorithme.
Momentum oscillators (rate of change of	Information not provided due to proprietary nature of algorithms.
price or volume): • Point and figure:	Information not provided due to proprietary nature of algorithms.
r ome and ngure,	Information not provided due to proprietary nature of algorithms.
Support and resistance:Volume or open interest:	Information not provided due to proprietary nature of algorithms.
Volume or open interest: Spread relationships:	Information not provided due to proprietary nature of algorithms.
Statistical probabilities:	Information not provided due to proprietary nature of algorithms.
Penetration identification:	Information not provided due to proprietary nature of algorithms.
Overbought/oversold indicators:	Information not provided due to proprietary nature of algorithms.
Cyclical analysis:	No.
Seasonal analysis:	
Fundamental or economic analysis:	No.
Bottom up analysis:	No.
Top down analysis:	No.
	No.
If the trading methodology involves a neural network,	NA.
what are its main inputs?	

Are any of the methods below used to close out	
profitable positions? Please indicate by Yes or No, and	
%:	
Trend reversal:	
Trailing stops:	
Overbought/oversold indicators:	
Volatility:	
Price patterns:	
Volume/open interest:	
Spread relationships:	
Change in fundamentals:	
Other (please explain):	Trading directives are purely driven by algorithms, which in turn are driven by market dynamics (and
	thus implicitly include all of the above items).
Does the trading system have a long or short bias?	No.
Has the trading method been adjusted, or have the	No. However, less-liquid markets have exposure caps that are more likely to be observed as AUM
markets traded changed due to increased assets under	increases in a particular program. This tends to underweight less-liquid markets in the portfolio.
management? If yes, please explain:	
Do you believe that the firm's performance is likely to be	Yes, the short-term algorithms will generate a return profile that is uncorrelated to long-term trend
non-correlated with other trading advisors? If yes,	followers.
please explain:	We are to redice Observed O (seek for security)
What are the firm's rate or return, volatility, and Sharpe	We are targeting Sharpe >1.0 (post-fee, monthly basis).
Ratio objectives?	D. H A
What is the firm's S&P non-correlation objective?	Roughly 0.
Does the trading methodology work better in some	The trading systems work less well in choppy markets driven by competing fundamental/news inputs.
markets than in others? If yes, please explain:	Al-
Are certain markets excluded from the portfolios? If	No.
yes, please explain:	
Are there liquidity, regulatory or other requirements for	Markets must be sufficiently liquid to support desired position sizes with minimal slippage during
the inclusion of markets in the firm's portfolios? If yes,	execution.
please explain:	
In which kind of markets does the trading methodology	
perform best and worst?	
Bull markets	
Bear markets	
Congested markets Pull and become products but not accurated.	
Bull and bear markets, but not congested	
markets: The same in all market conditions:	
 High volatility markets: Low volatility markets: 	
Other (please explain):	AV/A
	N/A
Are agricultural commodities a significant component in	Yes.
any of the firm's portfolios?	No
Does the firm's methodology permit or require making	No.
or taking develiery of physical commodities?	Ale
Does the firm trade "cash" securities (stocks and	No.
bonds)? Why would or would not the firm's programme	
be effective in doing so?	The Fire are detecthe incention of our programs
What was the firm's response to the introduction of the Euro?	The Euro pre-dates the inception of our programs.
Will increasingly competitive markets affect the	N/A.
performance of firm's programmes? Will they affect	I IVA.
managed futures in general?	
Do you perceive any basic and significant changes in	The markets have exhibited fewer long-term trends, necessitating different strategies to ensure
the managed futures industry over the past five years?	consistent yearly profits.
Does the firm offer "overlay" as well as "standard"	Not at this time.
programmes? If so, please explain the difference:	Not at this time.
Does the firm use third-party research or valuation	No.
	Paylow of Managed Futures Fund Managers/Commodity Trading Advisors (CTAs)

service providers?	
PORTFOLIO & ACCOUNTS	
Which of the following instruments are traded and in	
what percentages?	
Exchange-traded futures:	100%
Exchange-traded options:	0%
• EFPs:	0%
OTC forwards:	0%
OTC options:	0%
Swaps:	0%
Cash debt instruments:	0%
Cash equities:	0%
Attach a complete list of all markets traded in each of	Please see disclosure document for market list.
the above categories. With respect to all OTC, swap,	
and cash markets, please list the counterparts used in	
each market:	
If options are traded, please explain which types:	
Covered only, naked, as part of a hedging	
strategy, "exotic", etc.:	N/A
How they are used:	N/A
How they are revalued: Continue	N/A
If options are traded, what option-related volatility	N/A
measures are incorporated into the programme?	No.
Do the markets traded vary according to the account size? If yes, please explain:	NO.
How are the markets included in each portfolio	Maximal diversification and liquidity.
selected?	maximal diversification and inquidity.
Can a portfolio be customised according to specific	TBD.
customer requirements?	
Do customised accounts appear in the firm's composite	No.
performance record?	
	\$10,000,000 is the minimum for a managed account in the Mosaic (3x) program. The minimum optimal
What is the minimum account size? What is the	size is \$10,000,000. \$25,000,000 is the minimum for a managed account in the Mosaic Institutional (1x)
minimum optimal account size?	program. The minimum optimal size is \$25,000,000 for Mosaic Institutional (1x). The minimum and
	minimum optimal size for Alpha are \$5,000,000.
For each programme, what would a \$1 million portfolio	
look like? For example,	
Which markets would be included?	See disclosure document for market list.
How many contracts of each market would	This varies according to multiple factors.
be included? Which criteria are considered in portfolio selection (risk,	Diversification liquidity
performance, liquidity, volume, open interest, etc.)?	Diversification, liquidity.
Position limits:	
Describe any past problems with Position	
Limits. Which markets or exchanges were	
involved?	N/A.
How much money could be managed under	
the current trading methodology without	
being restricted by Position Limits?	N/A.
If, or when, Position Limits are reached, how	N/A.
will the firm modify its methodology?	
Do you believe that most trading advisors' rates of	At very large AUM values, managers may lose the ability to modify positions without incurring significant
return decrease as assets under management increase?	"slippage" losses. This will be a challenge for us as well as our assets grow, and we are actively
Why? What about your firm's programmes?	pursuing mitigation strategies.
EXECUTION & TRADING	
How are positions established for new accounts,	Proprietary.
non are positions established for new accounts,	i ropnotary.

	Т
liquidated for terminating accounts, or adjusted for	
existing accounts to reflect material changes in account	
equity? Please explain in detail:	5. #. M 1. 1. 1. 1. 1. 1.
Does the firm's trading staff trade 24 hours per day? If	For the Mosaic Institutional (1x) and Mosaic (3x) programs, trades are monitored by us and also by an
yes, please explain. Do they trade from the office	external 24-hour desk in Chicago. Algorithmic trading was introduced into Mosaic in May 2011 and into
premises or elsewhere? How many staff are involved in	Alpha in October 2011; all trading is done algorithmically. For Alpha, trades are also monitored by us
each shift, and what are their functions?	and by an external 24-hour desk in Chicago.
How are executed trades allocated to accounts? Please	Trades are allocated pro rata once an order is complete.
explain in detail, partiulclarly with respect to split fills.	
Are any positions allocated as of the end of the trading	
day rather than prior to or at the time of order entry?	
What is the firm's policy with respect to trading and	An error is covered immediately and allocated to the accounts on the order ticket pro rata.
system errors? Please explain in detail.	
Have there been any major "out-trades"? If so, please	Mosaic had one incident with the Topix and Nikkei where contracts were inadvertently bought and had to
describe.	be re-sold the next day. Customers were credited for the error.
Trading Orders:	Market orders, limit orders, Market-on-open orders.
 What types of trading orders are used? 	l
Are different types of orders used for entry	No.
and exit? Please explain:	
Are orders entered onto a trading desk or	A trading desk is used if necessary, but trades are done algorithmically by default.
relayed directly to the exchange floor?	
 Are large orders broken up? If yes, please 	Yes. Large orders are broken up into different sizes depending on liquidity. Mosaic is using algorithmic
explain how:	trading, resulting in many small orders, as of May 2011. Alpha is using algorithmic trading as of October
Does the firm use give-ups for futures? If	2011.
yes, please provide a complete list of	
executing brokers used and give-up fees	
charged by those brokers. If no, please	
provide a complete list of executing brokers	
used:	
If the firm uses a Prime Broker for FX, please	Yes.
describe the structure and any fees charged:	
	N/A.
What is the firm's policy with respect to trading by:	
Staff:	N/A.
Principals:	N/A.
The firm itself:	N/A.
Does the firm have any special relationship or affiliation	No.
with any FCM?	
If the firm trades EFPs, describe the manner in which	N/A.
appropriate documentation is maintained:	
If the firm trades EFPs, please list all markets in which	N/A.
they are traded. Please also list the counterparts with	
whom they are traded:	
·	
RISK MANAGEMENT	
	For Alpha and Mosaic Institutional, we target an annualized volatility of approximately 12% based on
Describe the firm's overall risk management principles	daily returns. For Mosaic, our risk target is a 1 in 100 chance of losing 20% or more in a rolling one-
and approach:	month period; this equates to a 36% annualized volatility (or a 3x program relative to the Mosaic
	Institutional program at 1x).
	We perform out-of-sample simulations and observe the frequency and magnitude of adverse returns.
How does the firm calculate risk?	Many more details about our risk management are available in a stand-alone presentation.
Is the risk calculated for each trade? If yes, please	Every market has the same maximum risk allocation, which is determined as a function of the overall
	risk-targeting process.
explain:	• • • • • • • • • • • • • • • • • • • •
Do all the programmes use the same risk management	No. Mosaic (3x) targets a risk exposure, while Alpha and Mosaic Institutional (1x) target an annualized
methodology? If not, please explain:	volatility.
Is "value at risk" used in the firm's programme? If so,	Our approach is similar but not identical to the VAR methodology. Risk is assessed using a combination
how do you assess the value at risk of your different	of long-term and short-term volatility on a per-market basis. Position sizes are adjusted accordingly on a

market positions and what confidence level do you use?	daily basis. Fat-tailed return distributions and serial correlation of daily returns are implicitly included in risk budgeting and analysis.
What determines the amount of leverage used?	Return targets coupled with historical drawdown statistics on a portfolio basis. On a per-market basis, position sizes also incorporate short-term and long-term volatility estimates.
How much leverage (% of margin to equity) is used in	
each programme?	
Highest:	60% (for Mosaic), 20% (for Mosaic Institutional), 25% (for Alpha)
Lowest:	3% (for all programs)
Average:	18% (for Mosaic), 7.2% (for Mosaic Institutional), 8% (for Alpha)
What is the percentage of risk invested in any single	Highly variable.
market?	
Highest:	
Lowest:	
Average:	
How is this percentage determined?	
Are "higher leverage" and "lower leverage" versions of	In general, leverage can be targeted per specific requests from a client. Mosaic Institutional (1x) and
the same programme offered? If yes, please explain	Mosaic (3x) are explicit low and high leverage versions of the same program.
how they are structured?	
Does the firm impose limits on the amount of margin	No.
committed to different markets, sectors, or portfolios?	
How does the firm react if the volume and/or open	We will first reduce maximum allowed exposure in that market and may additionally consider no longer
interest of a market in which a position is held are	trading that market.
suddenly reduced significantly?	
Does adding or reducing a position in one market ever	No.
influence the size of positions held in other markets? If	
yes, please explain:	
Does the firm calculate and analyse the historical or	Yes, the historical correlations are implicitly included in our volatility targeting. The long-term averages
contemporary correlation between markets? If yes, how	are re-assessed periodically so that any secular drifts can be incorporated. Some short-term measures
does such analysis influence portfolio design?	are also used for tactical risk management.
Does the firm establish position limits for correlated	No.
market groups? If yes, please explain:	
Are there a minimum number of markets in which the	No.
firm always holds positions in order to achieve a	
minimal portfolio diversification effect?	
If stops are used, please answer the following	
questions:	
 On what principles are stops calculated? 	Stops are not used.
 How often are stops adjusted? 	N/A
Is the method of establishing stops based	
on any of the following?	N/A
1. Price stops:	N/A
2. Time stops:	N/A
3. Volatility stops:	N/A
4. Money management stops:	N/A
Other (please specify):	N/A
If a stop is reached, is the entire position	N/A
closed out at one time, or is the position	
reduced gradually?	
How are positions adjusted when there is a significant	Positions are adjusted on a daily basis and include the latest marked-to-market equity as a primary
increase or decrease in equity due to trading profits or	input.
losses?	
Are there any circumstances under which all positions	When there is an upcoming major and potentially-disruptive event that we know about that the models
in the portfolio will be closed?	have not previously encountered either in actual trading or in simulation (e.g. Y2K).
At what percent drawdown would the firm either stop	We would not stop trading or recommend that an account be closed unless we believed that the system
trading or recommend that an account be closed?	was not working correctly and/or the drawdown has reached a level that is not statistically feasible via
	simulation and testing.
Does the methodology react to volatility changes in the	Yes, positions are adjusted to keep the volatility or risk target constant.
markets? If yes, please explain how.	

Does the firm trade on exchanges that are open outside	
local office hours? If yes:	
How is the time difference managed?	A 24-hour trading desk monitors the automatically-submitted orders.
Are there routines in place to minimise the	N/A.
risk of adverse price movements, or price	
gaps which are due to price movements that	
occur outside local office hours?	
What is the estimated maximum risk on a total	For Moogie (2v), there is a 10/ shapes of a 200/ drouglown or greater in any rolling one month period
	For Mosaic (3x), there is a 1% chance of a 20% drawdown or greater in any rolling one-month period.
portfolio? Please describe the method by which such	For Mosaic Institutional (1x) and Alpha, there is about a 1% chance of a 6.7% drawdown or greater in
risk is measured:	any rolling one-month period. These are estimated from empirical data and historical modeling.
What is the firm's cash management method? Does	Investors with managed accounts are responsible for satisfying margin calls and managing their excess
this create an additional source of risk?	cash (e.g., the traded NAV less margin requirements).
RESEARCH	
	<u> </u>
Describe the firm's efforts to improve its trading	There is a concerted and ongoing effort to develop more short-term trading models, most notably intra-
methodology through on-going research?	day systems. Risk management and mitigation is also an area of continual focus.
What is the firm's current annual research budget?	N/A.
How much money has the firm invested in research	N/A.
since its inception?	
Has the firm or any of its research staff published any	No.
research or academic papers? If yes, please provide	
details:	
Does the firm use any external parties or resources for	No.
research? If yes, please explain.	
ADMINISTRATION, OPERATIONS	AND FEES
Describe detailed backup procedures in the event that	Outlined in separate document.
the firm's offices, trading facilities or computer system	
became unexpectedly non-operational or inaccessible.	
Does the firm maintain a detailed Operations Manual?	Yes.
What insurance coverage does the firm maintain?	N/A.
Please provide a schedule showing coverage:	TWA.
Are the operations of the firm dependent on one person	Yes.
	165.
or a limited number of people?	W.
Is there a minimum number of personnel needed for the	Yes.
firm's operations?	
Have there been any significant operational or	No.
administrative "bottlenecks" or difficulties in the past	
five years?	
Are new investments currently being accepted in the	
form of:	
 Separately managed accounts: 	
 Pools and funds: 	
Both of the above:	Yes.
Is the client free to choose a clearing firm and to	
negotiate the account terms directly with them?	Yes.
Which clearing firms does the firm currently use?	RJ O'Brien, ADM, Rand Financial, UBS, Newedge, JP Morgan, Deutsche Bank, Credit Suisse, EDF
	Man, BAML.
What fees do the firm charge? Do they vary? If so,	
please explain:	
Management fee (include frequency of	
payment):	0% monthly for Mosaic/Mosaic Institutional, 2% monthly for Alpha.
Performance fee (include frequency of	
payment):	25% monthly for Mosaic/Mosaic Institutional, 20% monthly for Alpha.
If a "hurdle rate" is included in the	2070 monuny for Mosaic monunional, 2070 monuny for Alphia.
Performance fee calculation, is it a "hard" or	A//A
a "soft" hurdle?	N/A.
Does the firm charge all customers the same fees? If	No.

not, on what basis are fees waived or modified?	
	Von
Does the firm share its fees with any third parties?	Yes.
Are there any present plans to relocate the firm's offices	No.
Does the firm have a lockup period or any special	No.
requirements for withdrawal?	
Does the firm or any of its officers or employees	No.
receive, directly or indirectly, any rebate on brokerage	
commissions? If yes, please explain on what basis, and	
from which brokerage firms:	
Has the firm ever been required to restate NAVs, fees or	Small changes to the NAV (increases) were made when we moved from cash-based accounting to
other calculations? If yes, please explain:	accrual-based accounting. The effect was to improve the average monthly return by < 0.1%.
LEGAL	
Does the firm hire traders from other investment management firms?	N/A.
	No.
Has the firm had any disputes over non-compete, non- disclosure or similar covenants?	NO.
	No. 1. 1. 11 industrial constant and a second of the Point Constant Constan
Are any of the firm's employees subject to non-	No, but all intellectual property remains exclusively with Revolution Capital Management LLC.
competes, "golden handcuffs", etc.?	Ven
Does the firm have any existing marketing or consulting	Yes.
agreements?	N/-
Has the firm appeared in any recent advertisement or	No.
newspaper or magazine articles?	The CME has determined that a position hold by Macris Marris Institutional in Macro 2010, 1999, 1
Have there ever been any criminal, civil or	The CME has determined that a position held by Mosaic/Mosaic Institutional in May 2012 violated
administrative proceedings against the firm or any of its	NYMEX Rule 562. More specifically, DUNN Capital (as service provider for Mosaic) rolled from the June
principals, or any similar such matters including	2012 Natural Gas contract to the July 2012 contract one day late due to a misinterpretation of the
reparations, arbitrations and negotiated settlements?	exchange rules regarding holidays. Eventually, the CME determined that both DUNN and Revolution
	are responsible for this misinterpretation. The enforcement action was finalized in July 2014 and
	required Revolution to pay a fine of \$15,000 plus \$4,020 in profits as a result of the trade. DUNN's
Door the firm maintain a mitter Compliance Mr. 10.15	enforcement action is being handled as a separate matter.
Does the firm maintain a written Compliance Manual? If	Yes.
yes, please provide a copy.	
Does the firm or any affiliate ever take "custody" of client assets?	No.
Does the firm or any affiliate ever deduct its fees	No.
directly from any client accounts?	
What is the firm's liability/indemnity standard?	N/A.
Does the firm make use of "soft dollars"?	No.
Does the fifth make use of soft dollars :	IIV.

Please attach copies of the following documents and forms where applicable:

- Management/Advisory Agreement
- Corporate brochure, and other marketing literature
- Disclosure Document
- Newsletters or other publications
- Client Reports
- Client References
- 13-Column Performance Tables
- Compliance Manual

Please state the name and title of the officer at your firm who has prepared and reviewed this questionnaire.

Signature:	
Name:	Michael Mundt
Date:	October 17, 2014
Position:	Principal, Managing Member of Revolution Capital Management LLC