# **Assar Phoenix Elite 2020**

Assar Phoenix Elite 2020 is the only successful automation of nanningbob's Holy Grail Indicator.

Huge credits go to:

- nanningbob (Bob) for coming up with the ideas.
- Milanese (Tommaso) and Denis (Elixe) for their amazing coding of this wonderful piece of work.
- Baluda (Paul) for devising and writing his TMA Slope Strength indicator that makes HGI possible.



# **Abbreviations**

HGI = Holy Grail Indicator. APE = Assar Phoenix Elite. TMA = TMA Slope Strength

# TMA Slope Strength

This is the fabulous concept of Baluda's that lies at the heart of HGI. It measures the strength of the individual currencies that make up our Forex trading pairs.

Take GBPUSD as an example. If you buy this pair, you are buying Sterling and effectively selling the Dollar. Great if Sterling is strengthening and the Dollar weakening but what if this is not happening? Your fast moving average has crossed over your slow one, MACD has crossed above zero and Stochastic just topped 50. So what? The two currencies in the pair are individual currencies whose strength/weakness results from a huge mass of events and take no notice of indicators.

Supposing you buy GU just as Sterling starts to weaken internationally? Your moving average/macd/stoch will not tell you. They are all lagging indicators that pick up movement after it has already happened.

TMA works by looking at the change in prices over a period for Sterling and the Dollar over all the pairs that they are a part of - GJ, GC, AG, UJ, UC etc. It 'weighs' their strength and assigns this a value:

- > 0.4: buy the pair.
- < -0.4: sell the pair.
- In between: the market is ranging, so buy at the bottom of the range and sell at the top.

It is the TMA component of HGI that creates the wavy lines on your charts. There are two kinds of wavy lines:

- Yellow: These indicate the start of a range and are used by APE to close trades when they appear.
- Blue: these show the market exiting a range and are worth buying when they are low and selling when high.

## Problems with your platform

I do not apply the epithet 'CrapT4' to MT4 in a humorously affectionate manner. It really is the most appalling bollocks. The Cretins at Crapperquotes who jerrybuild this rubbish have excelled themselves with jerrybuild 7xxx. Here is what we have found jerrybuild 7xxx getting up to – all randomly:

- disabling EA's altogether.
- disabling EA's on individual charts.
- Deleting charts altogether.
- Closing the platform down altogether.

Be aware, and check your charts routinely. Basically, if you *must* use jerrybuild 7xxx, bad luck; you are stuffed.

#### <u>Brokers</u>

The AssarV13 Team recommends you use Trader's Way if you can. But if you cannot join them because of your location, then just make sure your broker has ECN accounts with 500:1 leverage with low commissions of around \$3 to \$7. You should make sure you have a VPS in the same location as your broker. The best option is to get a broker in the UK or in Amsterdam. Those are the best locations for broker servers.

## Setting up your charts

Noobs, don't get caught out by a stupid feature of all newly installed CrapT4 features. By default, Expert Advisors are disabled. Do this:

- select Tools|Options|Expert Advisors.
- Select:
  - Allow automated trading.
  - Allow DLL imports.
- De-select every other box.

Drag APE onto the chart.

- When happy, click OK and the indi will open all the charts in alphabetical order, with the same time frame and template as the chart you dragged it on to.
- A little curiosity of 'Open Charts in Alphabetical Order Indicator' is that EA's are not enabled for the individual charts so:
  - F7 key to call up the inputs window.
  - Select the Common tab.
  - Select 'Allow live trading' and click OK.
  - SBB should now be showing a 'smiley face' in the top right corner of your chart.
  - Open Scripts in your Navigator window and drag 'Charts Into Alphabetical Order script' onto the chart. The script will redo the charts and APE will be magically enabled on all of them.
- Shut down and restart the crapform, so you will not have lost all this when it crashes.

# **Trading strategies**

HGI offers five trading methods to cater for all market conditions. APE trades all except Range trading.:

- 1. Trend trading.(+ multi-level trading).
- 2. Breakout or trend re-entry trading 'RAD' trading (+ multi-level trading).
- 3. Range trading not a part of APE.
- 4. Wavy line trading from a blue set to the next contra-signal, often yellow wavy lines..
- 5. Combined Trend and wavy line trading. There are two inputs not described further down in the Inputs section:
  - 1. TrendCandlesLookBack: you have a trend wavy line (blue) but no Trend arrow. APE will look back this number of candles for a Trend arrow.
  - 2. WaveCandlesLookBack: you have a Trend arrow but no blue wavy lines. APE will look back this number of candles for some wavy lines.

## Trend trading

TMA is detecting the market moving into a strong trend and uses the large arrows to indicate this. A large green arrow for an uptrend, large red arrow for a downtrend. Not sure how to identify a trend?

## Breakout or trend re-entry trading - RAD trading

These trades are indicated by the small diagonal red (sell) and green (buy) arrows. This may be the breakout that happens after the market has ranged for a while, or it may be the resumption of the previous trend after a pause. We don't care – let the indi do its thing and tell you what to do.

#### Multi-level Trend and RAD trades.

These are extraordinarily profitable. APE sends a Trend buy for example. He also sends pending buy stop trades on each 20 level – 118.2, 118.4, 118.6 etc. Each trade has a 30 pip take profit so there is a 10 pip overlap but only ever two multi-level trades open at a time.

#### Wavy line trading

This is multi-level trading by sending pending trades as soon as a blue wavy line appears, at each 20 level – you can see the levels drawn on your charts when you use one of Bob's templates. APE sends pending buy trades when the market is above the line, and sell trades when below. You have the option of making the first trade either an immediate market trade or a pending.

#### Combined Trend and Wavy line trading

This combination of signals is the strongest. Imagine you have both a large green arrow and low blue wavy lines both at the same time. That is combined Trend and Wavy line trading.

#### All great, but will there be losers?

Yep. You bet there will. HGI will react to market conditions and give a signal. APE will pick up that signal and trade. The trade will be a loser if those market conditions suddenly change; if a central bank buys 8 trillion dollars, the dollar is only going one way and it matters not a jot what HGI said 5 minutes ago.

Shrug, take the hit and move on. This system is not going to leave you short of trades.

## Main Trades and Multi-trades

- Main Trades are the initial Trend, RAD, Wave or TrendWave trades.
- Multi-trades are the trades sent at the successive 20 levels.

# The inputs

- **HGI Inputs:** Holy Grail Inputs. We do not need any of the inputs the indi uses, so there allow you to use different time frames and control how often APE calls HGI:
  - **HGI\_Name:** this allows you to chose which of the indi versions for the EA that you like to use on your chart. Bob has two in his templates, a light and a dark. If unsure, have both the indi versions in your Indicators folder and leave this input alone.
  - HgiReadDelaySeconds: trust me to know what I am talking about when I state that you cannot have 28 instances of APE calling HGI at every tick. Your CPU will explode. By default, this input causes the indi to be read once a minute instead. You might even be able to go to 5 or 10 minutes. Refreshing the chart display is also CPU intensive, so it makes sense to me to set your ChartRefreshDelaySeconds (see Odds and Ends at the bottom of the inputs) to the same value.
  - **Higher time frame inputs:** these allow you to take signals on your trading time frame that are in the same direction as those on a higher time frame:
    - **HighestTimeFrame:** a zero value turns this filter off. Set this to the numerical value of a high time frame (D1 = 1440). APE will then only allow trades if it finds a large green or red arrow on one of the recent candles.
    - HighestCandlesLookBack: how far back in time to look back for a large arrow.
  - Medium time frame:
    - MediumTimeFrame: a zero value turns this filter off. Set this to the numerical value of a medium time frame (H4 = 240) to tell APE to trade only in the direction of a Trend, RAD or Wavy line on the current candle, or the previous one if EveryTickMode is 'false'.

# General Inputs

- **TradingTimeFrame:** the chart time frame you wish to trade.
  - The default of zero means the current chart, so changing time frames might muck up the ea. If set to one of the standard chart tf's, the ea will continue to trade that tf even if you change the chart tf.
- **MaxMainTradesAllowed:** you can only have one Main Trade per trading strategy, so there is a maximum of four. Set this to a lower figure if you want to limit the number of Main Trades that APE can take.
- BrokerAllowsHedging: 'hedging' involves having buy and sell trades open at the same time. This could happen for example, if you have told APE not to close your trades on an opposite direction signal, the market reverses and APE spots the opportunity to sell. This is not allowed by most US so-called 'brokers'.
- **EveryTickMode:** this will appear in ea's that only trade at the opening of a new candle. If enabled, it allows the ea to trade at every tick.
- **StopTrading, TradeLong and TradeShort:** these allow you to control the trading direction or even stop trading altogether if all you want this EA to do is manage an open trade.

• Magic number: an identifying number that tells APE that it 'owns' the trade.

 IsGlobalPrimeOrECNCriminal: set this to true if your criminal insists on twostage order-sending. This is irrelevant if you do not use StopLoss and TakeProfit. Remember that IBFX are ECN even though they do their best to hide this fact and stop all their 'valued clients' actually sending any trades; the EA has code to detect IBFX as the crim and set this input accordingly. It will also detect Global Prime accounts.

- **MaxSlippagePips:** 'slippage' is the price changing in between you sending off your trade and it being accepted by the market maker on the other side of your trade. The trade is cancelled if slippage exceeds this figure.
- PostTradeAttemptWaitSeconds: We need more safety to combat the cretins at Crapperquotes managing to break Matt's OR code occasionally. APE will make no further attempt to trade for PostTradeAttemptWaitSeconds seconds, whether OR detects a receipt return or not. Technical stuff this for the coding geeks, so leave it alone if you do not understand.
- Daily profit targets: a pattern emerged in our early days trading APE, of making hundreds sometimes thousands of pips. APE would continue trading and get caught by a retrace and give all those pips back. The daily profit targets feature is intended to avoid this. APE will stop sending fresh trades until the start of the new trading day once the trades in your History tab have reached your profit targets. He will continue to monitor and manage open trades:
  - PercentOfBalanceTarget: suppose you want to stop trading when you have made 5% of the day's opening balance. 5 would be your input. Your start balance was \$1000, so APE will knock off for the day when there are \$50 profit showing in your History tab.
  - CashProfitTarget: APE will stop for the day once the profit in your History tab reaches this cash value. Suppose you are happy with \$50, then that would be your input.
  - Points to note:
    - set the inputs to 0 to cancel this feature.
    - You can use both PercentOfBalanceTarget and CashProfitTarget.
    - The trading week begins with Tokyo opening at 10.00 pm :London time (GMT + 1), so each new trading day starts at this time. Trading days are not concerned with clock times, only the times that each market opens and closes. Do not confuse this with it being day or night where you live. A proper brokerage such as Global Prime opens its D1 candle at the start of the trading day. Some of the results of using the stop trading feature will look a little strange if yours differs from this by more than an hour or two; there is nothing I can do about it.

# • General inputs for the individual strategies:

- Pending or Market orders:
  - MainTradeInstantMarket: if true, APE will send a market order as soon as one of the Main Trade signals appear. He sends pending trades by default, starting at the next 20 level. We have found this to be more successful than immediate market trades.
- Lot size:
  - MainTradeLot: use this if you like fixed lot sizes.
  - MainTradeRiskPercent: set this to > 0 to override MainTradeLot and base you lot size on the size of your stop loss. Use with care. Noobs wanting advice – stick to fixed lot sizes until you have more experience.
  - **MultiTradeLot:** Multi-trades only have a fixed lot size.
- **Take profit and stop loss:** you can see the inputs that apply to these and they are so scramingly obvious that I am not going to describe them.
  - CloseOnOppositeSignal: it is essential that you understand this. Imagine you are in a buy trade. Regardless of the origin of the buy, APE will close the trade and delete outstanding pendings on the appearance of: Trend sell; RAD sell; yellow range wavy line; blue sell wavy line.
- **ATR for stop loss and take profit:** this is for those of you who prefer a dynamic

Main Trade tp/sl. It is not applied to Multi-trades.

- **AtrPeriod:** the ATR indi Period input. The default of zero turns this feature off.
- **AtrTimeFrame:** the time frame for your ATR.
- AtrTpMultiplier: multiplies ATR by this input to calculate the take profit.
- AtrSIMultiplier: multiplies ATR by this input to calculate the stop loss.
- Multi-trading:
  - MultiMiss100: long trades often falter at the next 100 line and short trades at the next 0. This input applies to Multi-trades and tells APE not to set pending trades at the next 100 (buy) or 0 (sell).
- Trading styles: these allow you to select the types of trades you want APE to send:
  - Trend Trading: the big green and red arrows. APE 'knows' which type of trade it is managing by referring to the relevant trade comment, so this **MUST** be correct and you **MUST NOT** change them once you have open trades.
    - TrendTradingAllowed: enables/disables Trend trading. TrendTradeComment: the comment that APE uses to recognise Trend trades.
    - **TrendMaxMultiTrades:** the number of Trend Multi-trades to send. A zero value turns off Trend Multi-trading.
    - TrendMultiTradeComment: the comment that APE uses to recognise Trend Multi-trades.
  - **RAD Trading:** as for Trend trading apart from the inputs starting with "RAD".
  - Wavy Line Trading: as for Trend trading apart from the inputs starting with "Wave".
  - **Combined Trend and Wavy Line Trading:** as for Trend trading apart from the inputs starting with "TrendWave", plus these two extra inputs:
    - **TrendCandlesLookBack:** you have a Main Trade signal on your trading time frame. This input tells APE how many candles to look back on the highest time frame to find a confirmatory signal.
    - **WaveCandlesLookBack**: you have a Main Trade signal on your highest time frame. This input tells APE how many candles to look back on the trading time frame to find a historic trade signal.

# Safety features

- MinMinutesBetweenTrades: is the post close sleep period. The EA scans the order history tab for the latest closed trade, and will not attempt to trade again until MinMinutesBetweenTradeshas passed.
- 'Stealth technology' The EA can hide your real stop loss and take profit from your criminal:
  - **HiddenPips:** the EA sends a 'hard' stop loss and take profit with the trade. Your inputs have HiddenPips added to them. The EA draws sl and tp lines on your

chart at the correct values, and closes the trade when one of the lines is crossed. It will respond appropriately if you move the lines manually.

- Double moving average: this is a trend filter from nanninbob's 10.x series. APE will only trade in the direction of the trend if this is enabled by setting UseDoubleMA to 'true'.
  - market is above both moving averages: trend is up.
  - market is below both moving averages: trend is down.
  - market is in between both moving averages: market is ranging.
  - The relationship of the two moving averages to each other is irrelevant.
- **Trading hours.** This is fantastic functionality provided by Baluda.
  - Sort these out for yourself, using the information here. *Never* ask questions about it in my threads. You will regret doing so should you ignore this warning.
  - use the 24 hour clock format.
  - Enter trading periods in your own local time. Forget broker server time and GMT offsets.
  - Enter as many trading times as you want:
    - precede trading start times with a '+' e.g. +08.00
    - precede trading stop times with a '-' e.g. -13.15
    - separate each value with a comma. **Do not leave spaces.**
    - An example. Imagine you want to trade between 7 and 11 am and 1 and 5.30 pm, your input will look like this:
      - +07.00,-11.00,+13.00,-17.30
- For the manual traders:
  - UseForTradeManagementOnly: tells APE not to send trades, but to manage trades sent manually:
    - you must set the MagicNumber and trade comment correctly when you trade, so use the scripts in Scripts.zip if you want a >0 magic number.
  - UseForSignalsDisplayOnly: enable this if you want APE to do nothing more than show signals – for example if you want to filter your trades through a higher time frame.
- **Trade balance filters:** these help you to avoid entering trades that could prove detrimental if the market turns against you for a particular currency, and to avoid entering trades at news-release times.
  - UseZeljko: named after Zeljco who corrected the code for this filter and made it work. This filter ensures 'balanced' trading. The easiest way to describe it is to use hypothetical trades. Imagine that:
    - 1. this EA buys GBPUSD.
    - 2. this EA buys GBPJPY. You are now heavily exposed to GBP.
    - 3. Something unexpected happens (and something unexpected *always* happens in Forex) and the pound plummets, dropping like a stone into the abyss. Both your trades scream into huge drawdown.
    - 4. To avoid this, having taken the GBPUSD trade, this EA will not buy another GBPxxx pair. Imagine instead that a Sell GBPJPY trade arises, just before the market plummets. This time, your GU trade is screaming into the abyss, but your GJ trade is going stratospheric. One trade 'balances' the other in the event of something dramatic happening.
  - OnlyTradeCurrencyTwice: works in conjunction with UseZeljko. Again, imagine the above scenario nos 1 & 4. Now you have a GU Buy and a GJ sell open – perfectly balanced trades. If you now further trade any pair involving GBP, you will unbalance your trading again, leaving you exposed to unexpected events. This filter prevents a third trade being opened involving GBP.

- **Swap filter:** some pairs have dreadful swap in one direction. This filter allows you to avoid trading pairs in the direction that would cost a fortune in swap. How much relevance this has to a system that could follow a trend for hundreds of pips is open to debate, but once you have seen one of these adverse-swap pairs hang around going nowhere for a couple of weeks, you will see why a lot of us want nothing to do with them.
- **Margin checks:** these help avoid over-trading by limiting the number of trades that can be opened. this EA will make the calculations before sending a trade and abort if there is insufficient margin to allow further trading. There are two to chose from; the default indicates my preference.
  - Scoobs check: scooby-doo is a former pro trader with the big banks; we have benefited hugely from his advice. This filter compares the current account margin with the free margin divided by 100, and aborts the trade if the margin is greater than the result of this calculation.
  - ForexKiwi check.ForexKiwi contributed this filter. It looks at the margin percent figure and aborts the trade if yours is less than the figure you specify in FkMinimumMarginPercent.
  - Enforced safety protection:

for some blood-curdling descriptions of what can happen when you over-trade. Live trading accounts have these anti over-trading measures enforced (and the only way around them is to learn to program and alter the code yourself)):

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- if you select neither of the margin checks, APE will select ForexKiwi for you, with a minimum FkMinimumMarginPercent of 500.
- if you select ForexKiwi with FkMinimumMarginPercent < 500, APE will reset it to 500.
- APE will delete your pending trades should your Margin Level fall below FkMinimumMarginPercent, unless there is a market trade already open. It makes sense to leave the pendings in place once you have a market trade open. If you trade the ootb inputs then you will never have more than two trades open at any one time, so it makes sense to take advantage of a market move in your favour.
- Average spread inputs: We do not want an EA trading during a stop hunt.
  - The first time you run the ea it will take time to calculate the average spread. The screen will display a message telling you how far into the process it is.
  - RunInSpreadDetectionMode: run the EA with this set to 'true' occasionally to make sure the average spread is up to date. The easiest way to force a recalculation is to delete the Global Variable that stores the average. Perform this when you know there are no major news events coming up.
    - Press the F3 key to open the Global Variables window.
    - The relevant GV's begin with the chart symbol then " average spread" e.g. "EURUSD average spread". Highlight the GV and delete it. Close down and restart your platform and RRTnP will detect the need for a recount.

- **TicksToCount**: the number of ticks to use as the averaging period.
- **MultiplierToDetectStopHunt**: this multiplies the average spread and pauses the bot if the spread exceeds this.
- The EA keeps a running tally of the spread and recalculates the average every 500 ticks. The chart includes a display of the average, along with a notification of the widest spread since the EA was last started/restarted.
- Chart snapshots after opening and closing trades:
  - The EA can take a picture of your chart when it opens or closes a trade. Use this to take pictures if you suspect that the EA has not behaved as expected. There is a section of inputs just underneath the minimum pips section, with inputs to turn this featureon/ off and to adjust the height and width of the snap. Files are saved with the name "ChartScreenShot" and the ticket number, when the EA opens or closes a trade. Navigate to the files via File/Open Data Folder/MQL4/Files. Remember to delete these files from time to time to avoid clogging up your disk drive.
- Email thingies: these features need enabling via Tools|Options on your platform.
  - **EmailTradeNotification:** tells the EA to email you an alert when it has sent a trade.
  - **SendAlertNotTrade:** tells the EA not to send a trade when it discovers a trigger. Instead it will:
    - sound an alert on your platform.
    - Send you an alert via email.
  - **AlertPush:** sends either/both the above alerts and sends a 'push' to the latest mobile devices such as iPad etc.

#### **Trade Management**

The remaining inputs are mostly about individual trade management. Management is a cut-down module from Multi-purpose trade management

Features included here:

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- BasketCashSI: the individual pairs' basket of trades closes when their combined loss hits this cash total.
- BasketCashSIPercent: the individual pairs' basket of trades closes when their combined loss hits this percentage of balance figure.
- BasketCashTp: the individual pairs' basket of trades closes when their combined profit hits this cash total.
- BasketCashTpPercent: the individual pairs' basket of trades closes when their combined profit hits this percentage of balance figure.
- **Break even settings**: set a break even stop loss after the price reaches the setting in BreakEvenPips. You can use this in conjunction with the Part-closure routine (details later), as well as a stand-alone routine.
  - **BreakEven:** set to true to enable this facility.
  - **BreakEvenPips:** the number of pips you want the market to move in your favour before setting the stop loss to the order entry price, ensuring the trade cannot

turn into a loss.

- BreakEvenProfit: will add this to the stop loss to a buy order, subtract it for a sell order. My default of 2 pips means the sl is set to break even + 2, ensuring a minimum of 2 pips profit. Set it to 0 if you do not want this feature.
- **HalfCloseEnabled:** will close half the trade when the market reaches your breakeven point. It is up to you to ensure that your lot size allows this.
- Jumping stop loss settings: this will jump the stop loss by JumpingStopPips when the price moves in your favour by that number of pips. Many traders consider this to be a better option than a straight trailing stop. The first time this option is triggered by the market price, it will set the stop loss to break even. After that, it will increment the sl by JumpingStopPips every time the market moves sufficiently in your favour.
  - **JumpingStop**: set to true to enable this facility.
  - **JumpingStopPips:** the number of pips to jump. For example, my default of 300 works like this:
    - Market price hits order open price + 300: moves sl to break even.
    - Market price hits order open price + 600: moves sl to + 300.
    - Market price hits order open price + 900: moves sl to + 600.
  - AddBEP: adds BreakEvenPips to the break even if set to 'true'.
- Candlestick jumping stop. This jumps the stop at the close of a candle:
  - UseCandlestickTrailingStop: turns this on/off.
  - CstTimeFrame: this allows you to use a different time frame to that of the chart. Use integer values to correspond with your chosen time frame I.e. 1 for M1, 240 for H4, 1440 for D1 etc.
  - CstTrailCandles: the number of candles ago to use as the trail. For example, you are in a buy trade and want the stop loss to trail the default of 1, then the EA will set the stop at the low of the previous candle, so long as this is higher then the current stop loss.
  - **TrailMustLockInProfit:** tells the EA to start moving the stop loss only when it will be moved to > break even.
- **Trailing stop loss settings:** works like the conventional trailing stop you can enter into the MT4 platform.
  - **TrailingStop:** turns this on/off.
  - **TrailingStopPips:** your trail distance.

# Chart feedback display.

The shells place information about the EA's inputs on the chart. You have the option to use the general Comment text, which you cannot personalise, or the text function provided by Paul Bachelor (lifesys) at SHF.

- **DisplayAsText:** tells the EA to use Paul's display function. This puts text into labels drawn on the chart; these sometimes split words and so sometimes appears a little strange.
- **KeepTextOnTop:** stops the chart candles from obscuring Paul's text.
- The remaining inputs control the start point, font and colour of the text in Paul's labels. Play with these to personalise your feedback.

# **Disclaimer and Risk Disclosure:**

Trading foreign exchange on margin carries a high level of risk, and may not be suitable for all investors. The high degree of leverage can work with as well as against you. Before deciding to invest in foreign exchange you should carefully consider your investment objectives, level of experience, and risk appetite. The possibility exists that you could sustain a loss of some or all of your initial investment and therefore you should not invest money you cannot afford to lose. You should be aware of all the risks associated with foreign exchange trading, and seek advice from an independent financial advisor should you have any doubts.

I will put this a tad more bluntly:

Most Forex traders lose all their money.

- Using this EA in trading Forex does not guarantee success.
- Trading with this EA could lead to serious financial loss.
- Trading this EA without understanding its underlying trading strategies *guarantees* traders will lose their money.

Good luck. Have fun.

The AssarV13 Team www.assarofficial.com