EA description

I need to compile an simple EA based on two indicators: ATR and CCI.

The EA should open trades based on CCI oscillator on current timeframe, but only in the direction of trend. The trend is defined by ATR stop on an higher timeframe.

Indicators are:

ATR Stop; variables: ATR period length, ATR multiplicator,

CCI: variables: period length, buy level and sell level

other parameters:

Lot size: fixed

Stop loss: fixed in pips

Take profit: option 1: fixed in pips   option 2: secure profit option

Secure profit: (true or false) position is closed on opening price + predefined "secure profit level"

Secure profit level: (variable) XX pips

Secure profit trigger: secure profit option will be triggered if XY pips are reached   (where XY is higher or same as XX)

Current timeframe: (variable) – will be used for the calculation of CCI

Higher timeframe: (variable) – will be used for the calculation of the ATR stop

Trading hours: start hour + start min; end hour + end min   (variables)

magic number (variable)

EA description - continuation

Open position: - see example

Long: ATR trend on higher TF shows long => CCI on lower TF reaches minimal level (like -180), then trade is opened on next bar open

　　(when CCI on current TF reaches opposite maximum (like +180) the short trade is not opened, because we are in long trend

Short: ATR trend on higher TF shows short => CCI on lower TF reaches maximal level (like +180), then trade is opened on next bar open

　　　(when CCI on current TF reaches opposite minimum (like -180) the long trade is not opened, because we are in short trend

close position:

Either at TP level (if TP is not null), SL level (if SL is not null), secure profit level (if not null), always if trend on higher TF changes (ATR stop on bar close) - or at opposite CCI signal on current TF (if this variable option is chosen as true)

Maximal open trades: 1

The open of the next trade is be always on next bar open.

The EA should work for all timeframes and on all currency pairs and major indexes.

I expect this list of variables:

magic number

Current timeframe

Higher timeframe

ATR period

ATR multiplicator

CCI period

CCI buy level

CCI sell level

Lot size:

Stop loss:

Take profit:

Secure profit: (true or false)

Secure profit level:

Secure profit trigger:

Opposite close (true or false) - Close on opposite CCI extreme

Start hour

Start min

End hour

End min

Example of an long trend: 4h TF (= „higher TimeFrame")
ATR (10 / 5,0) defines start and stop of the up-trend

Start of an up-trend:
July 11th, 2016 at 12:00
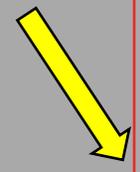
End of an up-trend:
Aug 2nd, 2016 at 08:00
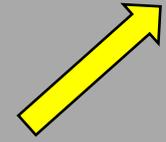
=> NOW see second screen (H1)
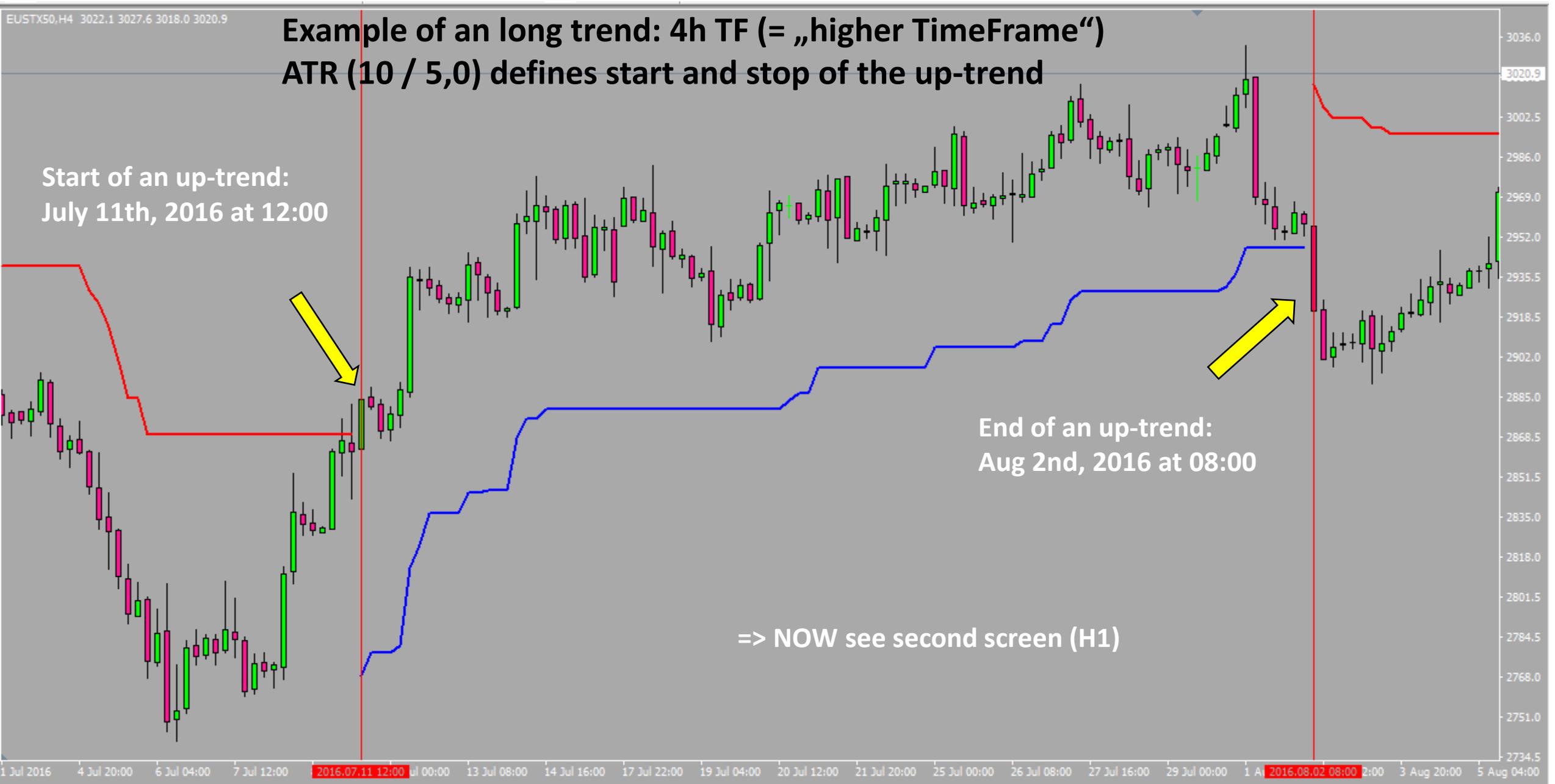
The above long cycle now shown on H1-timeframe
(shown period July 11th, 12:00 – Aug 2nd, 08:00)
=> ONLY LONG CCI-triggered trades are allowed

CLOSE
(if option „opposite close" is chosen)
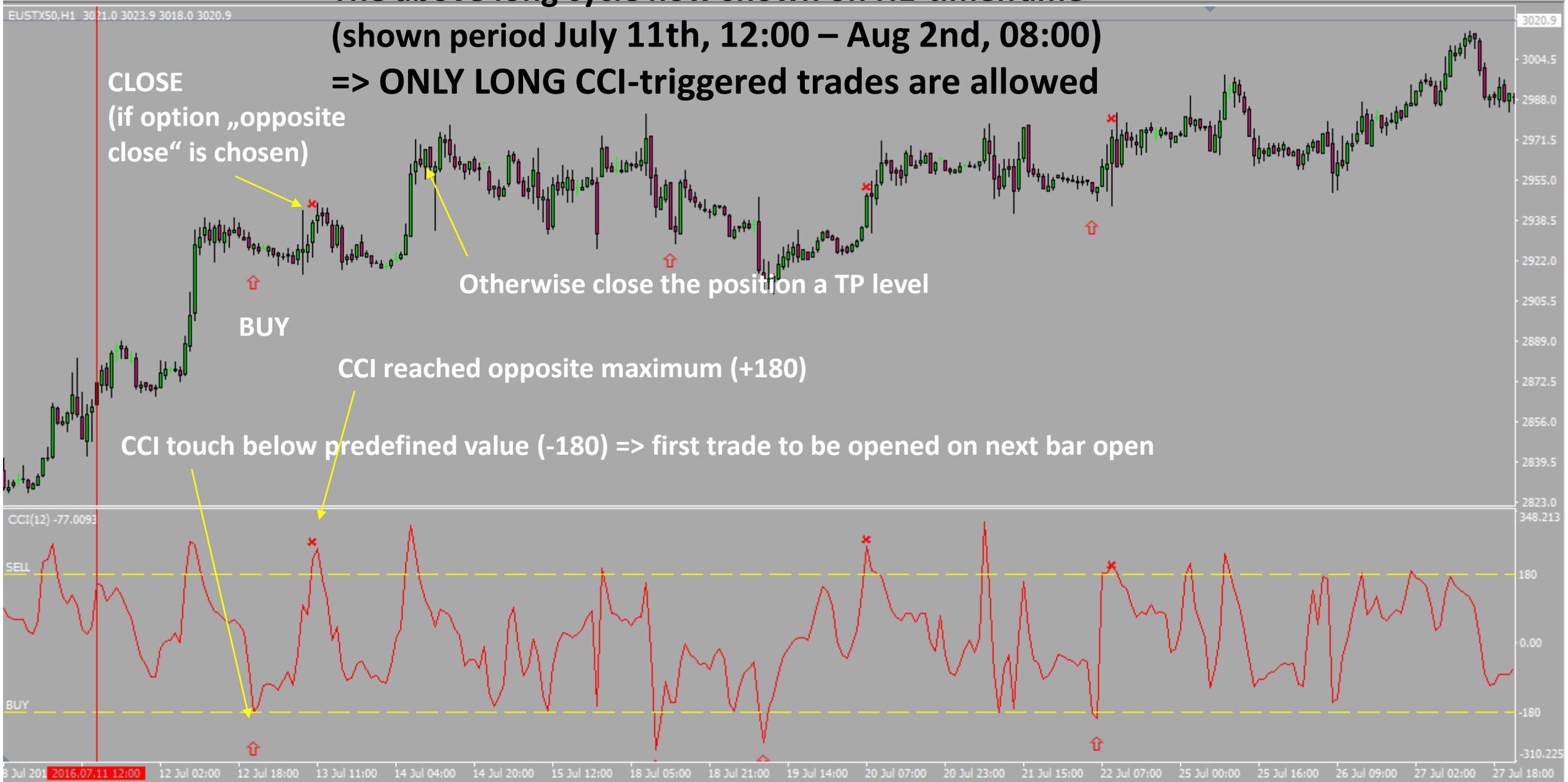
Otherwise close the position a TP level

BUY

CCI reached opposite maximum (+180)

CCI touch below predefined value (-180) => first trade to be opened on next bar open