

Currencies strength dashboard project

1/ INDICATOR AND SIGNALS

The indicator to code is a simple dashboard made of values taken from the attached indicator named : CS_NST.mq4

The dashboard to create should get informations of the variables calculated by the indicator, and returns these 3 conditions:



1. BLUE LINE ABOVE THE UPPER BAND
2. BLUE LINE BELOW THE LOWER BAND
3. BLUE LINE BETWEEN THE MID UPPER AND LOWER BANDS

Each of these « signals » will have a setting to choose the Wingdings and its color,

The dashboard will get symbols and timeframes to scan with variables, separated by commas, such as :

```
input string Symbols      = "CADCHF,CADJPY,CHFJPY,NZDCHF,EURJPY";  
input string TimeFrames  = "M5,M15,M30,H1";
```

Of course, these settings could be modified by the user to add or remove pairs or timeframes to be scanned.

To prevent getting the same values to calculate the currency strength multiple times and because of the heavy calculation made by the indicator, it is important to not call it as a Custom indicator for each pair/timeframe to scan, but preferably to implement it directly into the dashboard program and create a function to process the 5 lines calculations instead.

The « lightweight » of calculation of the dashboard is critical !

Default settings of the indicator :

```
extern int    MA_meanP = 200;  
extern double StdDev = 0.5;  
extern double StdDevE = 2;  
extern int    MA_signalP = 10;
```

Should also be left in the user settings, to change them manually if desired.

2/ DASHBOARD

This picture is an example of the dashboard I'd like to get for this project :



Any idea or examples of what you have already coded are welcome !

The dashboard should be draggable in a separate window in the MT4 chart.

The red and blue squares are also « buttons » that open a new chart with the corresponding timeframe and instrument.

3/ ALERTS

When one of the 3 signals type is detected, alert could be send with these possibilities (with true/false switches in a settings) :

- email
- push
- sound
- message in a window (typical MT4 alert)

Obviously, the indicator will be delivered in .mq4 source format

Please, don't hesitate to ask questions if necessary. Thank you.