The code for the STC indicator and function are below, in TradeStation EasyLanguage format.

Comments to the code are written in blue.

```
{*********************************************************************
Description : This Indicator plots the Schaff Trend Cycle
Provided By : FX-Strategy, Inc. (c) Copyright 1999
*********************************************************************}
Inputs: TCLen(10), MA1(23), MA2(50);
plot1(_SchaffTC(TCLen,MA1,MA2),"Schaff_TLC");
plot2(25);
plot3(75);

{*********************************************************************
Description : This is the Schaff Trend Cycle function
Provided By : FX-Strategy.com (c) Copyright 1999
*********************************************************************}
Inputs: TCLen(NumericSimple), MA1(NumericSimple), MA2(NumericSimple);
Variables: XMac(0), Frac1(0), PF(0), PFF(0), Frac2(0), Factor(.5);

{Calculate a MACD Line}
XMac = MACD(c,MA1,MA2) ;
{1st Stochastic: Calculate Stochastic of a MACD}
Value1 = Lowest(XMac, TCLen);
Value2 = Highest(XMac, TCLen) - Value1;
```

{%FastK of MACD}

Frac1 = IFF(Value2 > 0, ((XMac - Value1) / Value2) * 100, Frac1[1]);

{Smoothed calculation for %FastD of MACD}

PF = IFF(CurrentBar<=1, Frac1, PF[1] + (Factor * (Frac1 - PF[1])));

{2nd Stochastic: Calculate Stochastic of Smoothed Percent FastD, 'PF', above.}

Value3 = Lowest(PF, TCLen);

Value4 = Highest(PF, TCLen) - Value3;

{%FastK of PF}

Frac2 = IFF(Value4 > 0, ((PF - Value3) / Value4) * 100, Frac2[1]);

{Smoothed calculation for %FastD of PF}

PFF = IFF(CurrentBar<=1, Frac2, PFF[1] + (Factor * (Frac2 - PFF[1])));

{The STC function is the %FastD of PF}

_SchaffTC= PFF;

****

User Inputs:

Input Data: O,H,L,C, OHLC Avg, HLC Avg, HL Avg

Period Length: Number of Bars to Calculate

Short Cycle: Length of the long-moving average period.

Long Cycle: Length for the short-moving average period.

Moving Average Type: Simple, Exponential, Weighted, Wells Wilder, Hull, Double Exponential, Triple Exponential, Smoothed

Upper Line Level

Lower Line Level