```
//+------------------------------------------------------------------+
//|                                  EA_MaxSpreadStopAndFreeze.mq4 |
//|                                     Copyright 2017, M Wilson. |
//|                                   https://www.algotrader.blog |
//+------------------------------------------------------------------+
#property copyright "Copyright 2017, M Wilson."
#property link      "https://www.algotrader.blog"
#property version   "1.00"
#property strict

//+------------------------------------------------------------------+
//| Inputs                                                           |
//+------------------------------------------------------------------+

//+------------------------------------------------------------------+
//| Global Variables                                                 |
//+------------------------------------------------------------------+
datetime g_dtLastCheck;
double g_dblMaxSpread;
datetime g_dtMaxSpread;
double g_dblMaxStopLevel;
datetime g_dtMaxStopLevel;
double g_dblMaxFreezeLevel;
datetime g_dtMaxFreezeLevel;

//+------------------------------------------------------------------+
//| Expert initialization function                                   |
//+------------------------------------------------------------------+
int OnInit()
  {

   //Input Validation - This EA must be run in timeframe from 1 mins to under 1 hour.
   if(PeriodSeconds()<60 || PeriodSeconds()>=3600)
   {
      Print(__FILE__+" : "+__FUNCTION__," ",Symbol(),
" EA Must be run in a timeframe greater than or equal to 1 minute, but less than 1 hour"
);
      return(INIT_FAILED);
   }

   //Reset/Initaite the Global Variables
   ResetGlobalVariables();


   return(INIT_SUCCEEDED);
  }
//+------------------------------------------------------------------+
//| Expert deinitialization function                                 |
//+------------------------------------------------------------------+
void OnDeinit(const int reason)
  {
//---

  }
//+------------------------------------------------------------------+
//| Expert tick function                                             |
//+------------------------------------------------------------------+
void OnTick()
  {


//Get the Spread, Stop and Freeze Level and update them if we exceed the current global vari
   if(Bid>0 && Ask>0)
   {
      double dblSpread=Ask-Bid;
      double dblStopLevel=MarketInfo(Symbol(),MODE_STOPLEVEL);
      double dblFreezeLevel=MarketInfo(Symbol(),MODE_FREEZELEVEL);

      datetime dtTime=TimeCurrent();

      if(dblSpread>g_dblMaxSpread)
      {
         g_dblMaxSpread=dblSpread;
         g_dtMaxSpread=dtTime;
```

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      }
      if(dblStopLevel>g_dblMaxStopLevel)
      {
         g_dblMaxStopLevel=dblStopLevel;
         g_dtMaxStopLevel=dtTime;
      }
      if(dblFreezeLevel>g_dblMaxFreezeLevel)
      {
         g_dblMaxFreezeLevel=dblFreezeLevel;
         g_dtMaxFreezeLevel=dtTime;
      }
   }

   //ONLY PROCESS FUNCTIONS FOLLOWING THIS STATEMENT ONCE PER CANDLE.
   if(g_dtLastCheck>=iTime(Symbol(),0,1))   return;

   //If we get a switchover in days, then reset everything and report the results
   datetime dtT=iTime(Symbol(),0,0);
   datetime dtTm1=iTime(Symbol(),0,1);
   if(TimeDayOfWeek(dtT)!=TimeDayOfWeek(dtTm1))
   {
      //Create the title of the report
      string strTitle="Max Spread/StopLevel/FreezeLevel: "+DoubleToString(g_dblMaxSpread
)+"/"+DoubleToString(g_dblMaxStopLevel)+"/"+DoubleToString(g_dblMaxFreezeLevel);

      //Create the body of the report
      string strReport="Maximum Spread:\nTime: "+TimeToString(g_dtMaxSpread)+
"\nSpread: "+DoubleToString(g_dblMaxSpread)+"\n\n";
      strReport+="Maximum StopLevel:\nTime: "+TimeToString(g_dtMaxStopLevel)+
"\nStopLevel: "+DoubleToString(g_dblMaxStopLevel)+"\n\n";
      strReport+="Maximum FreezeLevel:\nTime: "+TimeToString(g_dtMaxFreezeLevel)+
"\nFreezeLevel: "+DoubleToString(g_dblMaxFreezeLevel)+"\n\n";
      strReport+="Point: "+DoubleToString(MarketInfo(Symbol(),MODE_POINT))+"\n\n";
      strReport+="TickSize: "+DoubleToString(MarketInfo(Symbol(),MODE_TICKSIZE));

      //Send the Email
      SendMail(strTitle,strReport);

      //Send the Notification
      SendNotification(strTitle);

      //Reset the global variables.
      ResetGlobalVariables();
   }

   //Update the global variable so that we do not need to check again.
   g_dtLastCheck=iTime(Symbol(),0,1);

  }
//+------------------------------------------------------------------+
void ResetGlobalVariables()
{
   g_dblMaxSpread=-1;
   g_dblMaxStopLevel=-1;
   g_dblMaxFreezeLevel=-1;
}
```