

```

program pcpst;

uses
  Forms,
  Unit1 in 'UNIT1.PAS' {Form1},
  Unit2 in 'Unit2.pas' {Form2},
  Unit3 in 'Unit3.pas' {Form3},
  Unit4 in 'Unit4.pas' {Form4},
  Unit5 in 'Unit5.pas' {Form5},
  Unit6 in 'Unit6.pas' {Form6},
  Unit7 in 'Unit7.pas' {Form7};

{$R *.res}

begin
  Application.Initialize;
  Application.CreateForm(TForm1, Form1);
  Application.CreateForm(TForm2, Form2);
  Application.CreateForm(TForm3, Form3);
  Application.CreateForm(TForm4, Form4);
  Application.CreateForm(TForm5, Form5);
  Application.CreateForm(TForm6, Form6);
  Application.CreateForm(TForm7, Form7);
  Application.Run;
end.

// =====
// ==          PC power Supply Tester (PCPST)
// ==  This program has been written for control PCPST Device
// == =====

unit Unit1;

interface

uses
  Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
  Dialogs, Buttons, DB, DBTables, ExtCtrls, Math, StdCtrls, Printers;

Const
  bios_33v=-0.06;
  bios_5v=-0.1;
  bios_12v=-0.14;
  bios_5nv=-0.04;
  Bios_12nv=-0.38;
  v33_Ref_max=3.5;
  v33_Ref_Min=3.0;
  v5_Ref_max=5.5;
  v5_Ref_min=4.5;
  v12_Ref_Max=13.0;
  v12_Ref_min=11.0;
  v33_R:array[0..15] of
real=(99999999,2.927,1.378,0.921,0.689,0.569,0.468,0.407,0.356,0.318,0.288,0.265
,0.243,0.225,0.210,0.197);
  v5_R :array[0..15] of
real=(99999999,2.154,1.091,0.718,0.544,0.437,0.367,0.316,0.279,0.250,0.225,0.204
,0.186,0.174,0.161,0.150);

```

```
v12_R:array[0..15] of  
real=(999999999,7.887,4.041,2.516,1.944,1.535,1.265,1.080,0.946,0.839,0.760,0.700  
,0.641,0.595,0.555,0.519);
```

Type

```
TForm1 = class(TForm)  
BitBtn7: TBitBtn;  
Panel3: TPanel;  
Label8: TLabel;  
Label9: TLabel;  
Panel4: TPanel;  
Label10: TLabel;  
Power_name: TEdit;  
BitBtn6: TBitBtn;  
Timer0: TTimer;  
Panel2: TPanel;  
Label5: TLabel;  
Label6: TLabel;  
Label7: TLabel;  
Label11: TLabel;  
Label2: TLabel;  
v33: TLabel;  
v5: TLabel;  
v12: TLabel;  
Panel1: TPanel;  
Label3: TLabel;  
Label4: TLabel;  
vn5: TLabel;  
vn12: TLabel;  
Panel5: TPanel;  
Label11: TLabel;  
Label12: TLabel;  
time: TEdit;  
Panel6: TPanel;  
Label13: TLabel;  
Label14: TLabel;  
Label15: TLabel;  
Label16: TLabel;  
Panel7: TPanel;  
BitBtn1: TBitBtn;  
combo33_l1: TComboBox;  
Combo5_l1: TComboBox;  
Combo12_l1: TComboBox;  
Panel8: TPanel;  
BitBtn2: TBitBtn;  
Combo33_l2: TComboBox;  
Combo5_l2: TComboBox;  
Combo12_l2: TComboBox;  
Panel9: TPanel;  
BitBtn3: TBitBtn;  
Combo33_l3: TComboBox;  
Combo5_l3: TComboBox;  
Combo12_l3: TComboBox;  
Panel10: TPanel;  
BitBtn4: TBitBtn;  
Combo33_l4: TComboBox;  
Combo5_l4: TComboBox;  
Combo12_l4: TComboBox;  
Panel11: TPanel;  
Combo33_l5: TComboBox;  
Combo5_l5: TComboBox;
```

```

Combo12_15: TComboBox;
BitBtn5: TBitBtn;

procedure BitBtn1Click(Sender: TObject);
procedure BitBtn2Click(Sender: TObject);
procedure BitBtn3Click(Sender: TObject);
procedure BitBtn4Click(Sender: TObject);
procedure BitBtn5Click(Sender: TObject);
procedure BitBtn6Click(Sender: TObject);
procedure BitBtn7Click(Sender: TObject);
procedure FormShow(Sender: TObject);
procedure Power_nameKeyPress(Sender: TObject; var Key: Char);
procedure Timer0Timer(Sender: TObject);
procedure FormCreate(Sender: TObject);

private
  { Private declarations }
public
  { Public declarations }
end;

var
  Form1: TForm1;
  Base_lpt_addr :Word;
  w33max,w5max,w12max,
  v33_min,v33_max,v5_min,v5_max,v12_min,v12_max,
  i33_max,i5_max,i12_max:Real;
  v33f,v5f,v12f,vn5f,vn12f:Real;
  load33,load5,load12,tolorance:Byte;
  control_Reg,Status_reg,Data_Reg:byte;
  procedure Set_load(load_line,load_value:byte);
  Function Read_Voltage(line:byte):real;
implementation

uses Unit2, Unit3, Unit4, Unit5, Unit6, Unit7;
{$R *.dfm}
(*-----*)
// NOTE: inpout32.dll need for this program

function Inp32(wAddr:word):byte; stdcall; external 'inpout32.dll';
function Out32(wAddr:word;bOut:byte):byte; stdcall; external 'inpout32.dll';

Procedure Delay(delay_value:word);
var
  i: word;
begin
  for i:=1 to Delay_value do
    Delay_value:=Delay_value;
End;
(*-----*)

procedure Set_load(load_line,load_value:byte);
Var
  b:byte;
Begin
  case Load_line of
    1: b:=$10;
    2: b:=$20;
    3: b:=$40;
    else
      b:=$10;
  End;

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```

        out32(Base_lpt_addr,b);
        b:=b OR (load_value MOD 16);
        out32(Base_lpt_addr,b);
    End;
    (*-----*)
Function ADC_Ready:Boolean;
Var
    b:Byte;
Begin
    B:=Inp32(Base_Lpt_Addr+1);
    b:=b and $08;
    if b<>0 then
        Result:=True
    Else
        Result:=False;
    End;
    (*-----*)
Function Read_ADC(line:Byte):byte;
var
    cr,dr,BL,BH :byte;
    (*-----*)
Function Mirror(B:Byte):byte;
var
    b1,b2 :Byte;
Begin
    B2:=0;
    B1:=B and $01 ;
    if B1<>0 then
        B2:=B2 OR $80;
    B1:=B and $02 ;
    if B1<>0 then
        B2:=B2 OR $40;
    B1:=B and $04 ;
    if B1<>0 then
        B2:=B2 OR $20;
    B1:=B and $08 ;
    if B1<>0 then
        B2:=B2 OR $10;
    B1:=B and $10 ;
    if B1<>0 then
        B2:=B2 OR $08;
    B1:=B and $20 ;
    if B1<>0 then
        B2:=B2 OR $04;
    B1:=B and $40 ;
    if B1<>0 then
        B2:=B2 OR $02;
    B1:=B and $80 ;
    if B1<>0 then
        B2:=B2 OR $01;
    result:=B2;
End;
    (*-----*)
Begin
    {Select Line }
    line:=line mod 8;
    Set_Load(1,load33);
    Set_load(2,load5);
    Set_load(3,load12);
    cr:=control_reg;
    cr:=cr AND $F0;
    case line of

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```

0: cr:=cr OR $0B;
1: cr:=cr OR $09;
2: cr:=cr OR $0F;
3: cr:=cr OR $0D;
4: cr:=cr OR $03;
5: cr:=cr OR $01;
6: cr:=cr OR $07;
7: cr:=cr OR $05;
End;
{ Making SOC and ALE Pulse }
cr:=cr or $01 ; { ALE <--'0'}
out32(Base_Lpt_Addr+2,cr);
Delay(100);
cr:=cr AND $FE; {ALE <-- '1'}
out32(Base_Lpt_Addr+2,cr);
Delay(500);
cr:=cr or $01 ; { ALE <--'0'}
out32(Base_Lpt_Addr+2,cr);
repeat { wait for ADC }
until ADC_ready;
{Read Data }
dr:=data_Reg ;
dr:=dr AND $7F ; { A/B <-- '0'}
out32(Base_Lpt_Addr,dr);
delay(100);
BL:=Inp32(Base_Lpt_Addr+1);
BL:=BL XOR $80 ; { Invert S7 }
dr:=dr OR $80 ; { A/B <-- '1'}
out32(Base_Lpt_Addr,dr);
delay(100);
BH:=Inp32(Base_Lpt_Addr+1);
BH:=BH XOR $80 ; { Invert S7 }
BH:=BH AND $F0;
BL:=BL SHR 4;
BL:=BH OR BL;
Result:=Mirror(BL); { PCB Fail Correction }
Set_Load(1,load33);
Set_load(2,load5);
Set_load(3,load12);
End;
(*-----*)
Function Read_Voltage(line:byte):real;
begin
case line of
0:Result:=RoundTo(10/255*read_adc(0)+bios_33v,-2);
1:Result:=RoundTo(10/255*read_adc(1)+bios_5v,-2);
2:Result:=RoundTo(20/255*read_adc(2)+bios_12v,-2);
3:Result:=RoundTo(10/255*read_adc(3)+bios_5nv,-2);
4:Result:=RoundTo(20/255*read_adc(4)+bios_12nv,-2);
else
Result:=0;
end;
If Result<0 Then
Result:=0;
End;
(*-----*)
procedure TForm1.BitBtn1Click(Sender: TObject);
begin
form2.ShowModal;
end;
(*-----*)
procedure TForm1.BitBtn2Click(Sender: TObject);

```

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begin
    form3.showmodal;
end;
(*-----*)
procedure TForm1.BitBtn3Click(Sender: TObject);
begin
    Form4.ShowModal;
end;
(*-----*)
procedure TForm1.BitBtn7Click(Sender: TObject);
begin
    form1.Close;
end;
(*-----*)
procedure TForm1.FormShow(Sender: TObject);
var
    v33f,v5f,v12f :Real;
begin
    tolorance:=1;
    Base_LPT_Addr:=$378;
    control_reg:=$CF;
    Data_Reg:=0;
    load33:=0;load5:=0;load12:=0;
    Set_Load(1,load33);
    Set_Load(2,load5);
    Set_Load(3,load12);
    v33f:=Read_Voltage(0);
    v5f:=Read_Voltage(1);
    v12f:=Read_Voltage(2);
    vn5f:=Read_Voltage(3);
    vn12f:=Read_Voltage(4);
    if Not ((v33f>2 ) or (v5f>3) or ( v12f>6 )) then
        If MessageDlg(' ÇæÑ ÊÍÊ ÊÓÊ ÑæÖà æ íÇ Èà İÓÊ Çà æÖá äíÓÊ. ÂíÇ äíæÇäíİ
ÇİÇää İäíİ ¿ ',
            mtConfirmation,[mbYes,mbNO],0)=mrNO then
            Begin
                form1.Close;
            End;

    combo33_11.ItemIndex:=0;
    combo33_12.ItemIndex:=0;
    combo33_13.ItemIndex:=0;
    combo33_14.ItemIndex:=0;
    combo33_15.ItemIndex:=0;

    combo5_11.ItemIndex:=0;
    combo5_12.ItemIndex:=0;
    combo5_13.ItemIndex:=0;
    combo5_14.ItemIndex:=0;
    combo5_15.ItemIndex:=0;

    combo12_11.ItemIndex:=0;
    combo12_12.ItemIndex:=0;
    combo12_13.ItemIndex:=0;
    combo12_14.ItemIndex:=0;
    combo12_15.ItemIndex:=0;

    Power_name.AutoSelect:=true;
    Power_name.SetFocus;
end;
(*-----*)

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procedure TForm1.Power_nameKeyPress(Sender: TObject; var Key: Char);
begin
    if key=#13 then
        BitBtn1.SetFocus;
    end;
    (*-----*)
procedure TForm1.BitBtn4Click(Sender: TObject);
begin
    Form5.ShowModal;
end;
(*-----*)
    procedure TForm1.BitBtn5Click(Sender: TObject);
begin
    Form6.showmodal;
end;
    (*-----*)
procedure TForm1.BitBtn6Click(Sender: TObject);
begin
    Form7.showmodal;
end;
    (*-----*)
procedure TForm1.Timer0Timer(Sender: TObject);
begin
    Set_Load(1,load33);
    Set_Load(2,load5);
    Set_Load(3,load12);
    v33f:=Read_Voltage(0);
    v5f:=Read_Voltage(1);
    v12f:=Read_Voltage(2);
    vn5f:=Read_Voltage(3);
    vn12f:=Read_Voltage(4);
    v33.Caption:=''+FloatToStrF(v33f,ffGeneral,3,4)+' V';
    v5.Caption:=''+FloatToStrF(v5f,ffGeneral,3,4)+' V';
    v12.Caption:=''+FloatToStrF(v12f,ffGeneral,3,4)+' V';
    vn5.Caption:=''+FloatToStrF(vn5f,ffGeneral,3,4)+' V';
    vn12.Caption:='-'+FloatToStrF(vn12f,ffGeneral,3,4)+' V';
end;
    (*-----*)
procedure TForm1.FormCreate(Sender: TObject);
begin
    { Initialize; }
end;

End.

//=====
//          this unit for 3.3v line control
//=====

unit Unit2;

interface

uses
    Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
    Dialogs, TeEngine, Series, ExtCtrls, TeeProcs, Chart, DbChart, StdCtrls,Math,
    Buttons,Printers;

type
    TForm2 = class(TForm)
        BitBtn2: TBitBtn;
        BitBtn4: TBitBtn;

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BitBtn3: TBitBtn;
SaveDialog1: TSaveDialog;
PrintDialog1: TPrintDialog;
Chart1: TChart;
Series1: TLineSeries;
Timer1: TTimer;
Series2: TLineSeries;
BitBtn1: TBitBtn;
Series3: TLineSeries;
Panell1: TPanel;
label1: TLabel;
i5: TLabel;
Label2: TLabel;
i12: TLabel;
Label3: TLabel;
i33max: TLabel;
Label4: TLabel;
w33: TLabel;
procedure FormShow(Sender: TObject);
procedure Timer1Timer(Sender: TObject);
procedure BitBtn4Click(Sender: TObject);
procedure BitBtn3Click(Sender: TObject);
procedure BitBtn2Click(Sender: TObject);
procedure BitBtn1Click(Sender: TObject);
private
  { Private declarations }
public
  { Public declarations }
end;

var
  Form2: TForm2;
  load_ctr:byte;
  Save_cursor:Tcursor;
implementation

uses Unit1;

{$R *.dfm}

procedure TForm2.FormShow(Sender: TObject);
begin
  load5:=form1.Combo5_11.ItemIndex;
  load12:=form1.Combo12_11.ItemIndex;
  Set_Load(2,load5);
  Set_Load(3,load12);
  v33f:=Read_voltage(0);
  chart1.Series[0].Active:=True;
  chart1.Series[1].Active:=True;
  chart1.Series[2].Active:=True;
  BitBtn2.Enabled:=false;
  BitBtn3.Enabled:=false;
  BitBtn4.Enabled:=false;
  BitBtn1.Enabled:=True;
  Screen.Cursor:=crHourGlass;
  Chart1.Title.Text.Clear;
  Chart1.Title.Text.Add('äæÏÇÑ æáÊÇŽ - ÌÑíÇä ');
  Chart1.Title.Text.Add(form1.power_name.text);
  Load_Ctr:=1;
  i33_max:=0;
  v33f:=Read_voltage(0);
  chart1.Series[0].Clear;

```

```

chart1.Series[1].Clear;
chart1.Series[2].Clear;
Timer1.Interval:=1000*StrToInt(form1.time.text);
chart1.Series[1].AddXY(0,v33_ref_min);
chart1.Series[1].AddXY(15,v33_ref_min);
chart1.Series[2].AddXY(0,v33_ref_Max);
chart1.Series[2].AddXY(15,v33_ref_Max);
chart1.Series[0].AddXY(0,v33f);
timer1.Enabled:=true;
end;
(*-----*)
procedure TForm2.Timer1Timer(Sender: TObject);
var
  i33_temp :real;
begin
  Set_Load(1,load33);
  Set_load(2,load5);
  Set_load(3,load12);
  v5f:=Read_voltage(1);
  v12f:=Read_voltage(2);
  v33f:=Read_voltage(0);
  i5.Caption:=FloatToStrF(RoundTo(v5f/v5_R[load5],-2),ffGeneral,3,4)+' A';
  i12.Caption:=FloatToStrF(RoundTo(v12f/v12_R[load12],-2),ffGeneral,3,4)+' A';
  load33:=Load_ctr;
  Set_Load(1,load33);
  if (v33f>0.5) and (load_ctr<16) then
  Begin
    i33_temp:=v33f/v33_R[Load_ctr];
    chart1.Series[0].AddXY(i33_temp,v33f);
    if v33f>=v33_ref_Min then
      i33_max:=i33_temp;
  End
  else
  Begin
    w33max:=i33_max*v33f;
    w33.caption:=FloatToStr(RoundTo(w33max,-2));
    timer1.Enabled:=false;
    Load33:=0;
    load5:=0;
    load12:=0;
    if v33f<0.5 then
      MessageDlg(' ääËÛ ÊÛĐíá ÊÍÊ ÊÓÊ ÎÇäæÔ ÇÓÊ ',mtConfirmation,[mbOk],0);
    Screen.Cursor:=Save_Cursor;
    BitBtn2.Enabled:=True;
    BitBtn3.Enabled:=True;
    BitBtn4.Enabled:=True;
    i33max.Caption:=FloatToStr(RoundTo(i33_max,-2))+ ' A';
  End;
  inc(load_ctr);
  Set_Load(1,load33);
  Set_load(2,load5);
  Set_load(3,load12);
end;
(*-----*)
procedure TForm2.BitBtn4Click(Sender: TObject);
begin
  load33:=0;
  Set_Load(1,load33);
  chart1.Series[0].Active:=false;
  chart1.Series[1].Active:=false;
  chart1.Series[2].Active:=false;
  timer1.Enabled:=false;

```

```

with form1 do
Begin
  combo33_11.ItemIndex:=0;
  combo33_12.ItemIndex:=0;
  combo33_13.ItemIndex:=0;
  combo33_14.ItemIndex:=0;
  combo33_15.ItemIndex:=0;

  combo5_11.ItemIndex:=0;
  combo5_12.ItemIndex:=0;
  combo5_13.ItemIndex:=0;
  combo5_14.ItemIndex:=0;
  combo5_15.ItemIndex:=0;

  combo12_11.ItemIndex:=0;
  combo12_12.ItemIndex:=0;
  combo12_13.ItemIndex:=0;
  combo12_14.ItemIndex:=0;
  combo12_15.ItemIndex:=0;
end;
  load33:=0;
  load5:=0;
  load12:=0;
  form2.Close;
end;
(*-----*)
procedure TForm2.BitBtn3Click(Sender: TObject);
VAR
  text_line1,Text_line2 :String;

begin
  Text_line1:='i33max = '+i33max.Caption+ '          When i(5v)= '+i5.Caption+ ' &
i(12v)= '+I12.Caption;
  Text_line2:='W33max = '+w33.caption+ 'W';
  chart1.PrintResolution:=-10;
  if PrintDialog1.Execute then
  Begin
    with Printer do
      Begin
        BeginDoc;
        chart1.PrintPartialCanvas(Canvas,Rect(400,400,PageWidth-400,PageHeight-
600));
        Canvas.Font.Size:=14;
        Canvas.TextOut(1000,PageHeight-600,text_line1);
        Canvas.TextOut(1000,PageHeight-400,text_line2);
        EndDoc;
      End;
    End;
  end;
  (*-----*)

procedure TForm2.BitBtn2Click(Sender: TObject);
begin
  SaveDialog1.execute;
  chart1.SaveToMetafile(SaveDialog1.FileName);
end;

procedure TForm2.BitBtn1Click(Sender: TObject);
begin
  load33:=0;
  Set_Load(1,load33);
  Timer1.Enabled:=false;

```

```

    Screen.Cursor:=Save_Cursor;
    BitBtn2.Enabled:=True;
    BitBtn3.Enabled:=True;
    BitBtn4.Enabled:=True;
end;

end.

//=====
//          this unit for 5v line control
//=====
unit Unit3;

interface

uses
    Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
    Dialogs, TeEngine, Series, ExtCtrls, TeeProcs, Chart, DbChart, StdCtrls, Math,
    Buttons, Printers;

type
    TForm3 = class(TForm)
        BitBtn2: TBitBtn;
        BitBtn4: TBitBtn;
        BitBtn3: TBitBtn;
        SaveDialog1: TSaveDialog;
        PrintDialog1: TPrintDialog;
        Chart1: TChart;
        Series1: TLineSeries;
        Timer2: TTimer;
        Series2: TLineSeries;
        BitBtn1: TBitBtn;
        Series3: TLineSeries;
        Panell1: TPanel;
        labell1: TLabel;
        i33: TLabel;
        Label2: TLabel;
        i12: TLabel;
        Label3: TLabel;
        i5max: TLabel;
        Label4: TLabel;
        w5: TLabel;
        procedure FormShow(Sender: TObject);
        procedure Timer2Timer(Sender: TObject);
        procedure BitBtn4Click(Sender: TObject);
        procedure BitBtn3Click(Sender: TObject);
        procedure BitBtn2Click(Sender: TObject);
        procedure BitBtn1Click(Sender: TObject);
    private
        { Private declarations }
    public
        { Public declarations }
    end;

var
    Form3: TForm3;
    load_ctr: byte;
    Save_cursor: Tcursor;
implementation

uses Unit1;

```

```

{$R *.dfm}

procedure TForm3.FormShow(Sender: TObject);
begin
    load33:=form1.Combo33_12.ItemIndex;
    load12:=form1.Combo12_12.ItemIndex;
    Set_Load(1,load33);
    Set_Load(3,load12);
    chart1.Series[0].Active:=True;
    chart1.Series[1].Active:=True;
    chart1.Series[2].Active:=True;
    BitBtn2.Enabled:=false;
    BitBtn3.Enabled:=false;
    BitBtn4.Enabled:=false;
    BitBtn1.Enabled:=True;
    Screen.Cursor:=crHourGlass;
    Chart1.Title.Text.Clear;
    Chart1.Title.Text.Add(form1.power_name.text+'آیسی - نیچا نی ');
    Chart1.Title.Text.Add(form1.power_name.text);
    Load_Ctr:=1;
    i5_max:=0;
    v5f:=Read_voltage(1);
    chart1.Series[0].Clear;
    chart1.Series[1].Clear;
    chart1.Series[2].Clear;
    Timer2.Interval:=1000*StrToInt(form1.time.text);
    chart1.Series[1].AddXY(0,v5_ref_min);
    chart1.Series[1].AddXY(35,v5_ref_min);
    chart1.Series[2].AddXY(0,v5_ref_Max);
    chart1.Series[2].AddXY(35,v5_ref_Max);
    chart1.Series[0].AddXY(0,v5f);
    timer2.Enabled:=true;

end;
(*-----*)
procedure TForm3.Timer2Timer(Sender: TObject);
var
    i5_temp :real;
begin
    Set_Load(1,load33);
    Set_load(2,load5);
    Set_load(3,load12);
    v5f:=Read_voltage(1);
    v33f:=Read_voltage(0);
    v12f:=Read_voltage(2);
    i33.Caption:=FloatToStrF(RoundTo(v33f/v33_R[load33],-2),ffGeneral,3,4)+' A';
    i12.Caption:=FloatToStrF(RoundTo(v12f/v12_R[load12],-2),ffGeneral,3,4)+' A';
    load5:=Load_ctr;
    Set_Load(2,load5);
    if ((v5f>0.5) and (load_ctr<16)) then
    Begin
        i5_temp:=v5f/v5_R[Load_ctr];
        chart1.Series[0].AddXY(i5_temp,v5f);
        if v5f>=v5_ref_Min then
            i5_max:=i5_temp;
        End
    else
    Begin
        timer2.Enabled:=false;
        w5max:=i5_max*v5f;
        Load33:=0;
        load5:=0;
    End
end;

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```

        load12:=0;
        if v5f<0.5 then
            MessageDlg(' ääËÙ ÊÛÐiâ ÊÍÊ ÊÓÊ îçãæÔ ÇÓÊ
',mtConfirmation,[mbOk],0);
            Screen.Cursor:=Save_Cursor;
            BitBtn2.Enabled:=True;
            BitBtn3.Enabled:=True;
            BitBtn4.Enabled:=True;

            w5.caption:=FloatToStr(RoundTo(w5max,-2));
            i5max.Caption:=FloatToStr(RoundTo(i5_max,-2))+ ' A';
        End;
        inc(load_ctr);
        Set_Load(1,load33);
        Set_load(2,load5);
        Set_load(3,load12);
end;
(*-----*)
procedure TForm3.BitBtn4Click(Sender: TObject);
begin
    load5:=0;
    Set_Load(1,load5);
    chart1.Series[0].Active:=false;
    chart1.Series[1].Active:=false;
    chart1.Series[2].Active:=false;
    timer2.Enabled:=false;
    with form1 do
    Begin
        combo33_11.ItemIndex:=0;
        combo33_12.ItemIndex:=0;
        combo33_13.ItemIndex:=0;
        combo33_14.ItemIndex:=0;
        combo33_15.ItemIndex:=0;

        combo5_11.ItemIndex:=0;
        combo5_12.ItemIndex:=0;
        combo5_13.ItemIndex:=0;
        combo5_14.ItemIndex:=0;
        combo5_15.ItemIndex:=0;

        combo12_11.ItemIndex:=0;
        combo12_12.ItemIndex:=0;
        combo12_13.ItemIndex:=0;
        combo12_14.ItemIndex:=0;
        combo12_15.ItemIndex:=0;
    end;
    load33:=0;
    load5:=0;
    load12:=0;

    form3.Close;

end;
(*-----*)
procedure TForm3.BitBtn3Click(Sender: TObject);
VAR
    text_line1,text_line2 :String;
begin
    Text_line1:='i5max = '+i5max.Caption+ '          When i(3.3v)= '+i33.Caption+ '
& i(12v)= '+I12.Caption;
    Text_line2:='W5max = '+w5.caption+ 'W';
    chart1.PrintResolution:=-10;

```

```

if PrintDialog1.Execute then
Begin
  with Printer do
  Begin
    BeginDoc;
    chart1.PrintPartialCanvas(Canvas,Rect(400,400,PageWidth-400,PageHeight-
600));
    Canvas.Font.Size:=14;
    Canvas.TextOut(1000,PageHeight-600,text_line1);
    Canvas.TextOut(1000,PageHeight-400,text_line2);
    EndDoc;
  End;
End;
end;
(*-----*)

```

```

procedure TForm3.BitBtn2Click(Sender: TObject);
begin
  SaveDialog1.execute;
  chart1.SaveToMetafile(SaveDialog1.FileName);
end;

```

```

procedure TForm3.BitBtn1Click(Sender: TObject);
begin
  load5:=0;
  Set_Load(2,load5);
  Timer2.Enabled:=false;
  Screen.Cursor:=Save_Cursor;
  BitBtn2.Enabled:=True;
  BitBtn3.Enabled:=True;
  BitBtn4.Enabled:=True;
end;

```

```
end.
```

```

//=====
//          this unit for 12v line control
//=====

```

```
unit Unit4;
```

```
interface
```

```
uses
```

```
Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
Dialogs, TeEngine, Series, ExtCtrls, TeeProcs, Chart, DbChart, StdCtrls,Math,
Buttons,Printers;
```

```
type
```

```

TForm4 = class(TForm)
  BitBtn2: TBitBtn;
  BitBtn4: TBitBtn;
  BitBtn3: TBitBtn;
  SaveDialog1: TSaveDialog;
  PrintDialog1: TPrintDialog;
  Chart1: TChart;
  Series1: TLineSeries;
  Timer3: TTimer;
  Series2: TLineSeries;
  BitBtn1: TBitBtn;
  Series3: TLineSeries;
  Panell: TPanel;
  labell: TLabel;

```

```

i33: TLabel;
Label2: TLabel;
i5: TLabel;
Label3: TLabel;
i12max: TLabel;
Label4: TLabel;
w12: TLabel;
procedure FormShow(Sender: TObject);
procedure Timer3Timer(Sender: TObject);
procedure BitBtn4Click(Sender: TObject);
procedure BitBtn3Click(Sender: TObject);
procedure BitBtn2Click(Sender: TObject);
procedure BitBtn1Click(Sender: TObject);
private
  { Private declarations }
public
  { Public declarations }
end;

var
  Form4: TForm4;
  load_ctr:byte;
  Save_cursor:Tcursor;
implementation

uses Unit1;

{$R *.dfm}

procedure TForm4.FormShow(Sender: TObject);
begin
  load33:=form1.Combo33_13.ItemIndex;
  load5:=form1.Combo5_13.ItemIndex;
  Set_Load(1,load33);
  Set_Load(2,load5);
  chart1.Series[0].Active:=True;
  chart1.Series[1].Active:=True;
  chart1.Series[2].Active:=True;
  BitBtn2.Enabled:=false;
  BitBtn3.Enabled:=false;
  BitBtn4.Enabled:=false;
  BitBtn1.Enabled:=True;
  Screen.Cursor:=crHourGlass;
  Chart1.Title.Text.Clear;
  Chart1.Title.Text.Add('ããæIÇÑ æáÊÇŽ - ìÑíÇä ');
  Chart1.Title.Text.Add(form1.power_name.text);
  v12f:=Read_voltage(2);
  Load_Ctr:=1;
  i12_max:=0;
  chart1.Series[0].Clear;
  chart1.Series[1].Clear;
  chart1.Series[2].Clear;
  Timer3.Interval:=1000*StrToInt(form1.time.text);
  chart1.Series[1].AddXY(0,v12_ref_min);
  chart1.Series[1].AddXY(23,v12_ref_min);
  chart1.Series[2].AddXY(0,v12_ref_Max);
  chart1.Series[2].AddXY(23,v12_ref_Max);
  chart1.Series[0].AddXY(0,v12f);
  Timer3.Enabled:=true;
end;
(*-----*)
procedure TForm4.Timer3Timer(Sender: TObject);

```

```

var
  i12_temp :real;
begin
  v12f:=Read_voltage(2);
  v5f:=Read_voltage(1);
  v33f:=Read_voltage(0);

  i33.Caption:=FloatToStrF(RoundTo(v33f/v33_R[load33],-2),ffGeneral,3,4)+' A';
  i5.Caption:=FloatToStrF(RoundTo(v5f/v5_R[load5],-2),ffGeneral,3,4)+' A';
  load12:=Load_ctr;
  Set_Load(3,load12);
  if ((v12f>0.5) and (load_ctr<16)) then
  Begin
    i12_temp:=v12f/v12_R[Load_ctr];
    chart1.Series[0].AddXY(i12_temp,v12f);
    if v12f>=v12_ref_Min then
      i12_max:=i12_temp;
    End
  else
  Begin
    w12max:=i12_max*v12f;
    w12.caption:=FloatToStr(RoundTo(w12max,-2))+' W';
    Timer3.Enabled:=false;
    Load33:=0;
    load5:=0;
    load12:=0;
    if v12f<0.5 then
      MessageDlg(' ääËÛ ÊÛĐíà ÊÍÊ ÊÓÊ ÎÇãæÔ ÇÓÊ ',mtConfirmation,[mbOk],0);
    Screen.Cursor:=Save_Cursor;
    BitBtn2.Enabled:=True;
    BitBtn3.Enabled:=True;
    BitBtn4.Enabled:=True;
    i12max.Caption:=FloatToStr(RoundTo(i12_max,-2))+' A';
  End;
  inc(load_ctr);
  Set_Load(1,load33);
  Set_load(2,load5);
  Set_load(3,load12);
end;
(*-----*)
procedure TForm4.BitBtn4Click(Sender: TObject);
begin
  load12:=0;
  Set_Load(3,load12);
  chart1.Series[0].Active:=false;
  chart1.Series[1].Active:=false;
  chart1.Series[2].Active:=false;
  Timer3.Enabled:=false;
  with form1 do
  Begin
    combo33_11.ItemIndex:=0;
    combo33_12.ItemIndex:=0;
    combo33_13.ItemIndex:=0;
    combo33_14.ItemIndex:=0;
    combo33_15.ItemIndex:=0;

    combo5_11.ItemIndex:=0;
    combo5_12.ItemIndex:=0;
    combo5_13.ItemIndex:=0;
    combo5_14.ItemIndex:=0;
    combo5_15.ItemIndex:=0;
  End;
end;

```

```

    combo12_11.ItemIndex:=0;
    combo12_12.ItemIndex:=0;
    combo12_13.ItemIndex:=0;
    combo12_14.ItemIndex:=0;
    combo12_15.ItemIndex:=0;
end;
load33:=0;
load5:=0;
load12:=0;
Form4.Close;
end;
(*-----*)
procedure TForm4.BitBtn3Click(Sender: TObject);
VAR
    text_line1,Text_line2 :String;
begin
    Text_line1:='i12max = '+i12max.Caption+ '          When i(3.3v)= '+i33.Caption+ '
& i(5v)= '+I5.Caption;
    Text_line2:='W12max = '+w12.caption;
    chart1.PrintResolution:=-10;
    if PrintDialog1.Execute then
    Begin
        with Printer do
        Begin
            BeginDoc;
            chart1.PrintPartialCanvas(Canvas,Rect(400,400,PageWidth-400,PageHeight-
600));
            Canvas.Font.Size:=14;
            Canvas.TextOut(1000,PageHeight-600,text_line1);
            Canvas.TextOut(1000,PageHeight-400,text_line2);
            EndDoc;
        End;
    End;
end;
(*-----*)

procedure TForm4.BitBtn2Click(Sender: TObject);
begin
    SaveDialog1.execute;
    chart1.SaveToMetafile(SaveDialog1.FileName);
end;

procedure TForm4.BitBtn1Click(Sender: TObject);
begin
    load12:=0;
    Set_Load(3,load12);
    Timer3.Enabled:=false;
    Screen.Cursor:=Save_Cursor;
    BitBtn2.Enabled:=True;
    BitBtn3.Enabled:=True;
    BitBtn4.Enabled:=True;
end;
end.

```

```

//=====
//          this unit for 3.3v & 5v lines control
//=====

unit Unit5;

interface

uses
  Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
  Dialogs, StdCtrls, ExtCtrls, TeEngine, Series, TeeProcs, Chart,
  Buttons, Math, Printers;

type
  TForm5 = class(TForm)
    BitBtn2: TBitBtn;
    BitBtn4: TBitBtn;
    BitBtn3: TBitBtn;
    Chart1: TChart;
    Series1: TLineSeries;
    BitBtn1: TBitBtn;
    SaveDialog1: TSaveDialog;
    PrintDialog1: TPrintDialog;
    Timer5: TTimer;
    Panel1: TPanel;
    Label2: TLabel;
    i12: TLabel;
    Label3: TLabel;
    i33max: TLabel;
    Series2: TLineSeries;
    Label1: TLabel;
    i5max: TLabel;
    Label4: TLabel;
    w33_w5: TLabel;
    procedure FormShow(Sender: TObject);
    procedure BitBtn1Click(Sender: TObject);
    procedure BitBtn2Click(Sender: TObject);
    procedure BitBtn3Click(Sender: TObject);
    procedure BitBtn4Click(Sender: TObject);
    procedure Timer5Timer(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  Form5: TForm5;
  load_ctr: byte;
  Save_cursor: Tcursor;
implementation

uses Unit1;

{$R *.dfm}

procedure TForm5.FormShow(Sender: TObject);
begin
  load12:=form1.Combo12_14.ItemIndex;
  Set_Load(3,load12);
  v33f:=Read_voltage(0);

```

```

v5f:=Read_voltage(1);
chart1.Series[0].Active:=True;
chart1.Series[1].Active:=True;
BitBtn2.Enabled:=false;
BitBtn3.Enabled:=false;
BitBtn4.Enabled:=false;
BitBtn1.Enabled:=True;
Screen.Cursor:=crHourGlass;
Chart1.Title.Text.Clear;
Chart1.Title.Text.Add('äääÏÇÑ æáÊÇŽ - ĨÑíÇä ');
Chart1.Title.Text.Add(form1.power_name.text);
Load_Ctr:=1;
i33_max:=0;
i5_max:=0;
chart1.Series[0].Clear;
chart1.Series[1].Clear;
Timer5.Interval:=1000*StrToInt(form1.time.text);
chart1.Series[0].AddXY(0,v33f);
chart1.Series[1].AddXY(0,v5f);
timer5.Enabled:=true;
end;
(*-----*)
procedure TForm5.Timer5Timer(Sender: TObject);
var
    i33_temp,i5_temp :real;
begin
    v12f:=Read_voltage(2);
    i12.Caption:=FloatToStrF(RoundTo(v12f/v12_R[load12],-2),ffGeneral,3,4)+' A';
    load33:=Load_ctr;
    Load5:=Load_ctr;
    Set_Load(1,load33);
    Set_Load(2,load5);
    if ((v33f>0.5) Or (v33f<0.5))and (load_ctr<16)) then
    Begin
        i33_temp:=v33f/v33_R[Load_ctr];
        i5_temp:=v5f/v5_R[Load_ctr];
        chart1.Series[0].AddXY(i33_temp,v33f);
        chart1.Series[1].AddXY(i5_temp,v5f);
        if v33f>=v33_ref_Min then
            i33_max:=i33_temp;
        if v5f>=v5_ref_Min then
            i5_max:=i5_temp;

    End
    else
    Begin
        timer5.Enabled:=false;
        w5max:=i5_max*v5f;
        w33max:=i33_max*v33f;
        w33_w5.caption:=FloatToStr(RoundTo(w5max+w33max,0))+' W';
        Load33:=0;
        load5:=0;
        load12:=0;
        if ((v33f<0.5) Or (v33f>0.5)) then
            MessageDlg(' ääËÛ ÊÛĐíä ÊÍÊ ÊÓÊ ÍÇäæÔ ÇÓÊ
',mtConfirmation,[mbOk],0);
        Screen.Cursor:=Save_Cursor;
        BitBtn2.Enabled:=True;
        BitBtn3.Enabled:=True;
        BitBtn4.Enabled:=True;
        i33max.Caption:=FloatToStr(RoundTo(i33_max,-2))+ ' A';
        i5max.Caption:=FloatToStr(RoundTo(i5_max,-2))+ ' A';

```

```

End;
  inc(load_ctr);
  Set_Load(1,load33);
  Set_load(2,load5);
  Set_load(3,load12);
end;
(*-----*)
procedure TForm5.BitBtn4Click(Sender: TObject);
begin
  load33:=0;
  Load5:=0;
  Set_Load(1,load33);
  Set_Load(2,load5);
  chart1.Series[0].Active:=false;
  chart1.Series[1].Active:=false;
  timer5.Enabled:=false;
  with form1 do
  Begin
    combo33_11.ItemIndex:=0;
    combo33_12.ItemIndex:=0;
    combo33_13.ItemIndex:=0;
    combo33_14.ItemIndex:=0;
    combo33_15.ItemIndex:=0;

    combo5_11.ItemIndex:=0;
    combo5_12.ItemIndex:=0;
    combo5_13.ItemIndex:=0;
    combo5_14.ItemIndex:=0;
    combo5_15.ItemIndex:=0;

    combo12_11.ItemIndex:=0;
    combo12_12.ItemIndex:=0;
    combo12_13.ItemIndex:=0;
    combo12_14.ItemIndex:=0;
    combo12_15.ItemIndex:=0;
  end;
  load33:=0;
  load5:=0;
  load12:=0;
  Form5.Close;
end;
(*-----*)
procedure TForm5.BitBtn3Click(Sender: TObject);
VAR
  text_line1,text_line2 :String;
begin
  Text_line1:='i5max = '+i5max.Caption+ '          When   i(12v)= '+I12.Caption;
  Text_line2:='W3.3max+W5max = '+w33_w5.caption;
  chart1.PrintResolution:=-10;
  if PrintDialog1.Execute then
  Begin
    with Printer do
    Begin
      BeginDoc;
      chart1.PrintPartialCanvas(Canvas,Rect(400,400,PageWidth-400,PageHeight-
600));
      Canvas.Font.Size:=14;
      Canvas.TextOut(1000,PageHeight-600,text_line1);
      Canvas.TextOut(1000,PageHeight-400,text_line2);
      EndDoc;
    End;
  End;
end;

```

```

end;
(*-----*)

procedure TForm5.BitBtn2Click(Sender: TObject);
begin
  SaveDialog1.execute;
  chart1.SaveToMetafile(SaveDialog1.FileName);
end;
(*-----*)
procedure TForm5.BitBtn1Click(Sender: TObject);
begin
  load33:=0;
  Set_Load(1,load33);
  load5:=0;
  Set_Load(2,load5);
  Timer5.Enabled:=false;
  Screen.Cursor:=Save_Cursor;
  BitBtn2.Enabled:=True;
  BitBtn3.Enabled:=True;
  BitBtn4.Enabled:=True;
end;

end.

//=====
//          this unit for 3.3v & 5v & 12v  lines control
//=====

unit Unit6;

interface

uses
  Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
  Dialogs, StdCtrls, ExtCtrls, TeEngine, Series, TeeProcs, Chart,
  Buttons, Math, Printers;

type
  TForm6 = class(TForm)
    BitBtn2: TBitBtn;
    BitBtn4: TBitBtn;
    BitBtn3: TBitBtn;
    Chart1: TChart;
    Series1: TLineSeries;
    Series2: TLineSeries;
    BitBtn1: TBitBtn;
    SaveDialog1: TSaveDialog;
    PrintDialog1: TPrintDialog;
    Timer6: TTimer;
    Panell1: TPanel;
    Label3: TLabel;
    i33max: TLabel;
    Label1: TLabel;
    i5max: TLabel;
    Series3: TLineSeries;
    Label2: TLabel;
    i12max: TLabel;
    Label4: TLabel;
    Label5: TLabel;
    Label6: TLabel;
    w33: TLabel;
  end;

```

```

w5: TLabel;
w12: TLabel;
label8: TLabel;
w_total: TLabel;
procedure BitBtn1Click(Sender: TObject);
procedure BitBtn2Click(Sender: TObject);
procedure BitBtn3Click(Sender: TObject);
procedure BitBtn4Click(Sender: TObject);
procedure Timer6Timer(Sender: TObject);
procedure FormShow(Sender: TObject);
private
  { Private declarations }
public
  { Public declarations }
end;

var
  Form6: TForm6;
  load_ctr:byte;
  Save_cursor:Tcursor;
implementation

uses Unit1;

{$R *.dfm}

procedure TForm6.FormShow(Sender: TObject);
begin
  v33f:=Read_voltage(0);
  v5f:=Read_voltage(1);
  v12f:=Read_voltage(2);
  chart1.Series[0].Active:=True;
  chart1.Series[1].Active:=True;
  chart1.Series[2].Active:=True;
  BitBtn2.Enabled:=false;
  BitBtn3.Enabled:=false;
  BitBtn4.Enabled:=false;
  BitBtn1.Enabled:=True;
  Screen.Cursor:=crHourGlass;
  Chart1.Title.Text.Clear;
  Chart1.Title.Text.Add('äãæĩÇÑ æáÊÇŽ - ÎÑíÇä ');
  Chart1.Title.Text.Add(form1.power_name.text);
  Load_Ctr:=1;
  i33_max:=0;
  i5_max:=0;
  i12_max:=0;
  chart1.Series[0].Clear;
  chart1.Series[1].Clear;
  chart1.Series[2].Clear;
  Timer6.Interval:=1000*StrToInt(form1.time.text);
  chart1.Series[0].AddXY(0,v33f);
  chart1.Series[1].AddXY(0,v5f);
  chart1.Series[2].AddXY(0,v12f);
  Timer6.Enabled:=true;
end;
(*-----*)
procedure TForm6.Timer6Timer(Sender: TObject);
var
  i33_temp,i5_temp,i12_temp :real;
begin
  load33:=Load_ctr;
  Load5:=Load_ctr;

```

```

Load12:=Load_ctr;
Set_Load(1,load33);
Set_Load(2,load5);
Set_Load(3,load12);
if v33f>0.5 then
  w33max:=i33_max*v33f;
if v5f>0.5 then
  w5max:=i5_max*v5f;
if v12f>0.5 then
  w12max:=i12_max*v12f;
if (((v33f>0.5) Or (v33f>0.5)Or (v12f>0.5))and (load_ctr<16)) then
Begin
  i33_temp:=v33f/v33_R[Load_ctr];
  i5_temp:=v5f/v5_R[Load_ctr];
  i12_temp:=v12f/v12_R[Load_ctr];
  chart1.Series[0].AddXY(i33_temp,v33f);
  chart1.Series[1].AddXY(i5_temp,v5f);
  chart1.Series[2].AddXY(i12_temp,v12f);
  if v33f>=v33_ref_Min then
    i33_max:=i33_temp;
  if v5f>=v5_ref_Min then
    i5_max:=i5_temp;
  if v12f>=v12_ref_Min then
    i12_max:=i12_temp;
End
else
Begin
  Timer6.Enabled:=false;
  w33.Caption:=FloatToStr(RoundTo(w33max,0))+ ' W';
  w5.Caption:=FloatToStr(RoundTo(w5max,0))+ ' W';
  w12.Caption:=FloatToStr(RoundTo(w12max,0))+ ' W';
  W_total.caption:=FloatToStr(RoundTo(w33max+w5max+w12max,0))+ ' W';
  Load33:=0;
  load5:=0;
  load12:=0;
  if ((v33f<0.5) Or (v33f<0.5)Or (v12f<0.5)) then
    MessageDlg(' ääËÛ ÊÛÏä ÊÏÊ ÊÓÊ Îçãø ÇÓÊ ',mtConfirmation,[mbOk],0);
  Screen.Cursor:=Save_Cursor;
  BitBtn2.Enabled:=True;
  BitBtn3.Enabled:=True;
  BitBtn4.Enabled:=True;
  i33max.Caption:=FloatToStr(RoundTo(i33_max,-2))+ ' A';
  i5max.Caption:=FloatToStr(RoundTo(i5_max,-2))+ ' A';
  i12max.Caption:=FloatToStr(RoundTo(i12_max,-2))+ ' A';
End;
  inc(load_ctr);
  Set_Load(1,load33);
  Set_load(2,load5);
  Set_load(3,load12);
end;
(*-----*)
procedure TForm6.BitBtn4Click(Sender: TObject);
begin
  load33:=0;
  Load5:=0;
  Load12:=0;
  Set_Load(1,load33);
  Set_Load(2,load5);
  Set_Load(3,load12);
  chart1.Series[0].Active:=false;
  chart1.Series[1].Active:=false;
  chart1.Series[2].Active:=false;

```

```

Timer6.Enabled:=false;
with form1 do
Begin
  combo33_11.ItemIndex:=0;
  combo33_12.ItemIndex:=0;
  combo33_13.ItemIndex:=0;
  combo33_14.ItemIndex:=0;
  combo33_15.ItemIndex:=0;

  combo5_11.ItemIndex:=0;
  combo5_12.ItemIndex:=0;
  combo5_13.ItemIndex:=0;
  combo5_14.ItemIndex:=0;
  combo5_15.ItemIndex:=0;

  combo12_11.ItemIndex:=0;
  combo12_12.ItemIndex:=0;
  combo12_13.ItemIndex:=0;
  combo12_14.ItemIndex:=0;
  combo12_15.ItemIndex:=0;
end;
  load33:=0;
  load5:=0;
  load12:=0;
Form6.Close;
end;
(*-----*)
procedure TForm6.BitBtn3Click(Sender: TObject);
VAR
  text_line1,text_line2 :String;
begin
  Text_line1:='i33max = '+i33max.Caption+ '      i5max = '+i5max.Caption+'
i12max = '+i12max.Caption;
  Text_line2:='W3.3max+W5max+W12max= '+w_total.caption;
  chart1.PrintResolution:=-10;
  if PrintDialog1.Execute then
  Begin
    with Printer do
      Begin
        BeginDoc;
        chart1.PrintPartialCanvas(Canvas,Rect(400,400,PageWidth-400,PageHeight-
600));
        Canvas.Font.Size:=14;
        Canvas.TextOut(1000,PageHeight-600,text_line1);
        Canvas.TextOut(1000,PageHeight-400,text_line2);
        EndDoc;
      End;
    End;
  end;
end;
(*-----*)

procedure TForm6.BitBtn2Click(Sender: TObject);
begin
  SaveDialog1.execute;
  chart1.SaveToMetafile(SaveDialog1.FileName);
end;
(*-----*)
procedure TForm6.BitBtn1Click(Sender: TObject);
begin
  load33:=0;
  load5:=0;
  load12:=0;

```

```
    Set_Load(1,load33);
    Set_Load(2,load5);
    Set_Load(3,load12);
    Timer6.Enabled:=false;
    Screen.Cursor:=Save_Cursor;
    BitBtn2.Enabled:=True;
    BitBtn3.Enabled:=True;
    BitBtn4.Enabled:=True;
end;

end.

//=====
//          this unit for Help
//=====

unit Unit7;

interface

uses
    Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
    Dialogs, StdCtrls, jpeg, ExtCtrls, Buttons, ComCtrls;

type
    TForm7 = class(TForm)
        BitBtn1: TBitBtn;
        mem01: TRichEdit;
        procedure BitBtn1Click(Sender: TObject);
    private
        { Private declarations }
    public
        { Public declarations }
    end;

var
    Form7: TForm7;

implementation

{$R *.dfm}

procedure TForm7.BitBtn1Click(Sender: TObject);
begin
    Form7.Close;
end;

end.
```