

<?PAX

```
→ uses
→ → Variants, DB, SysUtils, classes, BuildupClasses;

→ var
→ → HOAILeistungsbild : THOAILeistungsbild;
→ → LP : THOAILeistungsphase;
→ → AK : THOAIKostengruppe;
→ → Values : Variant;
→ → LBID : string;
→ → cFieldName : string;
→ → DataSet : TScriptDataSet;
→ → i : Integer;
→ → HOAIyear : string;
→ → Year : string;
→ → FieldSuffix : string;
→ → selected : string;
→ → selectedid : string;
→ → hzonenzahl : Integer;
→ → kostheaderid : string;

→ function AsRoemisch(const AValue : Integer) : string;
→ begin
→ → case AValue of
→ → 1 : Result := 'I';
→ → 2 : Result := 'II';
→ → 3 : Result := 'III';
→ → 4 : Result := 'IV';
→ → 5 : Result := 'V';
→ → end;
```

```
→ end;
→
→ begin

→ → HOAIYear:= Session.Request.Params.Values['cbHOAIYear'];
→ → LBID := Session.Request.Params.Values['cbLeistungsbild'];

→ → if Length(HOAIYear) = 0 then
→ → HOAIYear:= Session.Storage.Values['hsr.online.cbHOAIYear']
→ → else
→ → Session.Storage.Values['hsr.online.cbHOAIYear'] := HOAIYear;

→ → if Length(HOAIYear) = 0 then
→ → HOAIYear := '2021';

→ → (* Gibt es diese LBID auf der DB im diesem Jahr? *)
→ → if HOAIYear = 'SONSTIGES' then
→ → DataSet := Session.CreateDataSet('SELECT ID, NUMMER, BEZEICHNUNG,
HZONENANZAHL, KOSTGRP_HEADER FROM [VORGABEN_LEISTUNGSBILDER] WHERE
HOAI_YEAR IS NULL AND INAKTIV = "F" AND ID = '#39 + LBID + #39)
→ → else
→ → DataSet := Session.CreateDataSet('SELECT ID, NUMMER, BEZEICHNUNG,
HZONENANZAHL, KOSTGRP_HEADER FROM [VORGABEN_LEISTUNGSBILDER] WHERE
HOAI_YEAR = '+ HoaiYear +' AND INAKTIV = "F" AND ID = '#39 + LBID + #39);
→ → try
→ → if DataSet.Eof then
→ → → LBID := "
→ → finally
→ → DataSet.Free;
→ → end;

→ → if length(LBID) = 0 then begin
```

```
→ → if HOAIYear = '2021' then
→ → → LBID := '4AB7E41C6B3D48B38F298E754A2BEE0B'
→ → else
→ → if HOAIYear = '2013' then
→ → → LBID := 'E83D3F060ABF4842B715D81D2E7A6657'
→ → else
→ → if HOAIYear = '2009' then
→ → → LBID := '974A613E44CD418CA8335D7B96580D44' // HOAI 2009.§33 Gebäude
→ → else
→ → if HOAIYear = '2002' then
→ → → LBID := 'XA54' // HOAI 2002.§15 Gebäude
→ → else
→ → → LBID := 'XA53'; // AHO 09
→ → end;

→ → (* Die KeyValues dieses LB erstellen. Für die Wiederverwendung, hier die LBID einfach
als ID verwenden *)
→ → Values := VarArrayOf([1, 1, LBID]);

→ → HOAILeistungsbild := Session.Dataholder.FindObject(boHOAILeistungsbild, values) as
THOAILeistungsbild;
→ → if HOAILeistungsbild = nil then begin
→ → HOAILeistungsbild := Session.Dataholder.AddObject(boHOAILeistungsbild, values,
True) as THOAILeistungsbild;
→ → HOAILeistungsbild.LoadFromVorgabenLeistungsbild(LBID);

→ → HOAILeistungsbild.FullLoad();

→ → HOAILeistungsbild.Anlagen[0].Edit;
→ → HOAILeistungsbild.Anlagen[0].FieldName('HZONE').asInteger := 1;
```

```
→ → HOAILeistungsbild.Anlagen[0].FieldByName('HSATZ').asFloat := 0;
→ → HOAILeistungsbild.Anlagen[0].Post;
→ → end;

→ → if HOAILeistungsbild.FieldbyName('IS_VE_BASED').asBoolean then
→ → FieldSuffix := '_VE'
→ → else
→ → FieldSuffix := "";
?>
```

```
→ <script type="text/javascript" language="javascript">
```

```
→ → function AllowOnlyNumeric()
→ → → else
→ → }

→ → function inputget(obj)
→ → → if (item.type == "checkbox") else
→ → → → }
→ → → if (item.type == "radio")
→ → → → }
→ → → }
→ → → for (i = 0; i < obj.getElementsByTagName("select").length; i++)

→ → → return getstr;
→ → }
→ →
→
```

```
→ function dialog_onclick()

→ → function btnRecalc_onclick(flags) ;
→ → →
→ → → $.ajax().fail(function (xhr) );
→ → →
→ → →
→ → → }

→ → function cbLeistungsbild_onchange()

→ → function cbHOAIYear_onchange()

→ → function testit()
→ → → else
→ → → }
→ </script>

<div class="container">
→ <div class="row">

→ → <div class="col-md-9">
→ → → <br />
→ → → <br />

→ → → <h1>HOAI Schnellrechner</h1>

→ → → <form name="mainform" id="mainform" action="" method="post">

→ → → → <div class="form-group row">
```

```
→ → → → → → <label for="cbHOAIYear" class="col-sm-3 col-form-label">Version der  
HOAI</label>
```

```
→ → → → → → <div class="col-sm-4">
```

```
→ → → → → → <select class="form-control form-control-sm" id="cbHOAIYear"  
name="cbHOAIYear" onchange="return cbHOAIYear_onchange()">
```

```
→ → → → → → → → <?PAX
```

```
→ → → → → → → → → (* Gibt es diese LBID auf der DB im diesem Jahr? *)
```

```
→ → → → → → → → → DataSet := Session.CreateDataSet('SELECT DISTINCT  
HOAI_YEAR FROM VORGABEN_LEISTUNGSBILDER', -1);
```

```
→ → → → → → → → → try
```

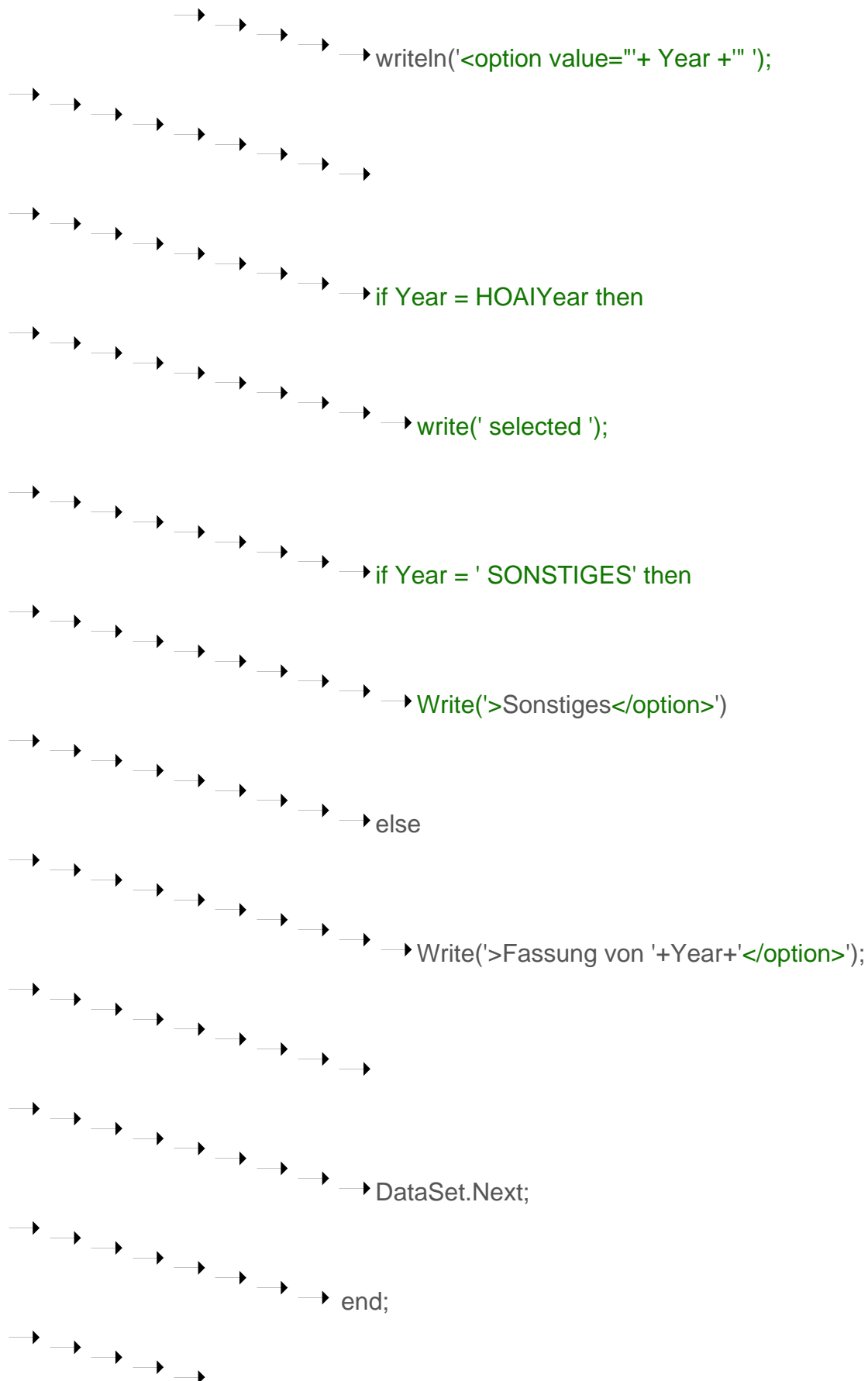
```
→ → → → → → → → → while not DataSet.Eof do begin
```

```
→ → → → → → → → → → Year := DataSet.FieldName('HOAI_YEAR').asString;
```

```
→ → → → → → → → → → if Length(Year) = 0 then
```

```
→ → → → → → → → → → → Year := 'SONSTIGES';
```

```
→ → → → →
```



```
→ → → finally
→ → → → → → → → DataSet.Free;
→ → → → → → → → end;
→ → → → → → → → ?>
→ → → → → → → → </select>
→ → → → → → → → </div>
→ → → → → → → → </div>
→ → → → → → → → <div class="form-group row">
→ → → → → → → → <label for="cbLeistungsbild" class="col-sm-3
col-form-label">Leistungsbild</label>
→ → → → → → → → <div class="col-sm-8">
→ → → → → → → → <select id="cbLeistungsbild" name="cbLeistungsbild" class="form-control
form-control-sm" onchange="return cbLeistungsbild_onchange()">
→ → → → → → → → <?PAX
→ → → → → → → → if HoaiYear = 'SONSTIGES' then
→ → → → → → → → DataSet := Session.CreateDataSet('SELECT ID, NUMMER,
BEZEICHNUNG, HZONENANZAHL, KOSTGRP_HEADER FROM
```

```
[VORGABEN_LEISTUNGSBILDER] WHERE HOAI_YEAR IS NULL AND INAKTIV = "F"  
ORDER BY HOAI_YEAR, PARAGRAPH')
```

```
→ → → → → → → → else
```

```
→ → → → → → → → DataSet := Session.CreateDataSet('SELECT ID, NUMMER,  
BEZEICHNUNG, HZONENANZAHL, KOSTGRP_HEADER FROM  
[VORGABEN_LEISTUNGSBILDER] WHERE HOAI_YEAR = '+ HoaiYear +' AND INAKTIV =  
"F" ORDER BY HOAI_YEAR, PARAGRAPH');
```

```
→ → → → → → → →
```

```
→ → → → → → → → try
```

```
→ → → → → → → → while not DataSet.eof do begin
```

```
→ → → → → → → → if DataSet.FieldByName('ID').asString = LBID then begin
```

```
→ → → → → → → → selected := ' selected';
```

```
→ → → → → → → → selectedid := DataSet.FieldByName('ID').asString;
```

```
→ → → → → → → → hzonenanzahl :=  
DataSet.FieldByName('HZONENANZAHL').asInteger;
```

```
→ → → → → → → → kostheaderid :=  
DataSet.FieldByName('KOSTGRP_HEADER').asString;
```



```
→ → → → → → → </select>
→ → → → → → </div>
→ → → → → </div>

→ → → → → <div class="form-group row">
→ → → → → → <label for="cbHonorarzone" class="col-sm-3
col-form-label">Honorarzone</label>
→ → → → → → <div class="col-sm-4">
→ → → → → → → <select id="cbHonorarzone" name="cbHonorarzone" class="form-control
form-control-sm" onchange="return btnRecalc_onclick();">
→ → → → → → → → <?PAX
→ → → → → → → → → for i:=1 to hzonenzahl do begin
→ → → → → → → → → if i =
HOAILeistungsbild.Anlagen[0].FieldByName('HZONE').asInteger then
→ → → → → → → → → → Selected := 'selected'
→ → → → → → → → → → else
→ → → → → → → → → → Selected := '';
```

```
→ → → → → → → →
→ → → → → → → →
→ → → → → → → → writeln('<option '+Selected+' value="'+IntToStr(i)+'">Zone '+
AsRoemisch(i)+'</option>');
→ → → → → → → → end;
→ → → → → → → → ?>
→ → → → → → → → </select>
→ → → → → → → → </div>
→ → → → → → → → </div>
→ → → → → → → → <div class="form-group row">
→ → → → → → → → <label for="cbHonorarsatz" class="col-sm-3
col-form-label">Honorarsatz</label>
→ → → → → → → → <div class="col-sm-4">
→ → → → → → → → <select id="cbHonorarsatz" name="cbHonorarsatz" class="form-control
form-control-sm" onchange="return btnRecalc_onclick();">
→ → → → → → → → <option value="0" <?PAX if
HOAILeistungsbild.Anlagen[0].FieldByName('HSATZ').asFloat = 0 then write(' selected ');?>
>Mindestsatz</option>
→ → → → → → → → <option value="25" <?PAX if
HOAILeistungsbild.Anlagen[0].FieldByName('HSATZ').asFloat = 25 then write(' selected ');?>
```

```
>Viertelsatz</option>
```

```
→ → → → → → →
```

```
→ <option value="50" <?PAX if
```

```
HOAILeistungsbild.Anlagen[0].FieldByName('HSATZ').asFloat = 50 then write(' selected ');?>
```

```
>Mittelsatz</option>
```

```
→ → → → → → →
```

```
→ <option value="75" <?PAX if
```

```
HOAILeistungsbild.Anlagen[0].FieldByName('HSATZ').asFloat = 75 then write(' selected ');?>
```

```
>Dreiviertelsatz</option>
```

```
→ → → → → → →
```

```
→ <option value="100" <?PAX if
```

```
HOAILeistungsbild.Anlagen[0].FieldByName('HSATZ').asFloat = 100 then write(' selected ');?>
```

```
>Höchstsatz</option>
```

```
→ → → → → → →
```

```
→ </select>
```

```
→ → → → → → →
```

```
→ </div>
```

```
→ → → → → → →
```

```
→ </div>
```

```
→ → → → → → →
```

```
→ <div class="form-group row">
```

```
→ → → → → → →
```

```
→ <label for="edAnkosten" class="col-sm-3 col-form-label ">
```

```
→ → → → → → →
```

```
→ <?PAX
```

```
WriteIn(HOAILeistungsbild.LeistungBildVorgabe.FieldByName('EINHEIT_NAME').asString);
```

```
?>
```

```
→ → → → → → →
```

```
→ </label>
```

```
→ → → → → → →
```

```
→ <div class="col-sm-4">
```

```
→ → → → → → →
```

```
→ <input type="text" readonly class="form-control form-control-sm"
```

```
id="edAnkosten" value="<?PAX write(Format('%0.2n %s',
```

```
[HOAILeistungsbild.FieldByName('ANKOSTENSCHAETZUNG'+FieldSuffix).asFloat,
```

```
HOALeistungsBild.LeistungBildVorgabe.FieldName('EINHEIT').asString)); ?>">
→ → → → → </div>
→ → → → → <div class="col-sm-4">
→ → → → → → <button type="button" class="btn btn-secondary btn-sm" data-
toggle="modal" data-target="#pnlkostengruppen">
→ → → → → → → Eingabe der Baukosten ...
→ → → → → → → </button>
→ → → → → → </div>
→ → → → → </div>
→ → → → → <div class="form-group row">
→ → → → → → <label class="col-sm-3 col-form-label "><h2>Leistungsphasen</h2></label>
→ → → → → </div>
→ → → → → <div class="form-group row">
→ → → → → <?PAX
→ → → → → → // Die Leistungsphasen ausgeben
→ → → → → → for i:=0 to HOALeistungsBild.Leistungsphasen.Count-1 do begin
→ → → → → → ?>
→ → → → → <?PAX
```

```

→ → → → → LP := HOAILeistungsbild.Leistungsphasen[i] as THOAILeistungsphase;
→ → → → → if LP.FieldName('VERWENDET').asBoolean then
→ → → → → → selected := 'checked="checked"'
→ → → → → else
→ → → → → → selected := "";
→ → → → → ?>

→ → → → → <div class="input-group input-group-sm">
→ → → → → → <div class="input-group-text col-sm-1">
→ → → → → → → <input type="checkbox" checked onchange="return
btnRecalc_onclick();" id="cbPhase<?PAX write(i);?>">
→ → → → → → → </div>
→ → → → → → </div>
→ → → → → → <input type="text" readonly class="form-control form-control-sm"
value="<?PAX write (LP.FieldName('NUMMER').asString + '
'+LP.FieldName('BEZEICHNUNG').asString); ?>">
→ → → → → → → <input id="edPhase<?PAX write(i); ?>" type="text" class="form-control
inputGroup-sizing-sm col-sm-2" value="<?PAX write(Format('%0.1f',
[LP.FieldName('ANL1_PROZ').asFloat])); ?>" onkeypress="return AllowOnlyNumeric()"
onchange="return btnRecalc_onclick();">
→ → → → → → → <label for="cbPhase<?PAX write(i);?>" class="col-form-label form-control-
sm col-sm-1">%</label>
→ →

```

```
→ → → </div>
→ → → → <?PAX
→ → → → → end;
→ → → → → ?>
→ → → → </div>
→ → → → <div class="form-group row">
→ → → → → <div class="input-group ">
→ → → → → → <label for="edNettohonorar" class="col-form-label
col-sm-7">Nettohonorar</label>
→ → → → → → <input type="text" readonly style="text-align: right;" class="form-control
form-control-sm col-sm-4" id="edNettohonorar" value="<?PAX write (Format ('%.2n',
[HoaiLeistungsbild.FieldByName ('X_SUM_HOAI_NETTO').asFloat])); ?>">
→ → → → → → <label for="edNettohonorar" class="col-form-label form-control-sm col-
sm-1">EUR</label>
→ → → → → </div>
→ → → → </div>
→ → → → <div class="form-group row">
→ → → → → <div class="input-group input-group-sm">
→ → → → → → <label for="edMWSt" class="col-form-label col-sm-6">MwSt. in %</label>
→ → → → →
```

```
    → → <input type="text" class="form-control form-control-sm col-sm-1"
id="edMWSt" value="19" onchange="return btnRecalc_onclick();" onkeypress="return
AllowOnlyNumeric()">
→ → → → → → <input type="text" readonly style="text-align: right;" class="form-control
form-control-sm col-sm-4" id="edMwStBetrag" value="<?PAX write (Format ('%.2n',
[HoaiLeistungsbild.FieldByName ('X_SUM_HOAI_MWST_BETRAG').asFloat])); ?>">
→ → → → → → <label for="edMwStBetrag" class="col-form-label form-control-sm col-
sm-1">EUR</label>
→ → → → → → </div>
→ → → → </div>
→ → → → <div class="form-group row">
→ → → → → → <div class="input-group input-group-sm">
→ → → → → → <label for="edBruttohonorar" class="col-form-label
col-sm-7">Bruttohonorar</label>
→ → → → → → <input type="text" style="text-align: right;" readonly class="form-control
form-control-sm col-sm-4" id="edBruttohonorar" value="<?PAX write (Format ('%.2n',
[HoaiLeistungsbild.FieldByName ('X_SUM_HOAI_BRUTTO').asFloat])); ?>">
→ → → → → → <label for="edBruttohonorar" class="col-form-label form-control-sm col-
sm-1">EUR</label>
→ → → → → → </div>
→ → → → → → </div>
→ → → → <!-- Modal Dialog -->
→ → →
```

```
→ <div class="modal fade" id="pnlkostengruppen" tabindex="-1" role="dialog" aria-  
labelledby="" aria-hidden="true">  
→ → → → → <div class="modal-dialog modal-dialog-scrollable" role="document">  
→ → → → → → <div class="modal-content">  
→ → → → → → → <div class="modal-header">  
→ → → → → → → → <h2 class="modal-title" id="exampleModalLabel">Nettobeträge  
der Baukosten</h2>  
→ → → → → → → → <button type="button" class="close" data-dismiss="modal" aria-  
label="Close">  
→ → → → → → → → → <span aria-hidden="true">&times;</span>  
→ → → → → → → → </button>  
→ → → → → → → </div>  
→ → → → → → → <div class="modal-body">  
→ → → → → → → → <table class="table">  
→ → → → → → → → → <?PAX  
→ → → → → → → → → → for i:=0 to HOAILeistungsbild.AnrechenbarenKosten.Count - 1
```


→ → → → → → → → </div>

→ → → → → → → → </div>

→ → → → → → → → </div>

→ → → → → → → → </div>

→ → → → → → → → </form>

→ → → → → → → → </div>

→ → → → → → → → </div>

</div>

<?PAX

→ end.

?>