

**LayersL**

<b>COLLABORATORS</b>
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	<i>TITLE :</i> LayersL		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		July 22, 2024	

<b>REVISION HISTORY</b>
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NUMBER	DATE	DESCRIPTION	NAME

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## Chapter 1

# LayersL

### 1.1 LayersL

#### Prozeduren

BeginUpdate	BehindLayer	↔
CreateBehindHookLayer		
CreateBehindLayer	CreateUpfrontHookLayer	CreateUpfrontLayer
DeleteLayer	DisposeLayerInfo	EndUpdate
FattenLayerInfo	InitLayers	InstallClipRegion
InstallLayerHook	LockLayer	LockLayerInfo
LockLayers	MoveLayer	MoveLayerInFrontOf
MoveSizeLayer	NewLayerInfo	ScrollLayer
SizeLayer	SwapBitsRastPortClipRect	ThinLayerInfo
UnlockLayer	UnlockLayerInfo	UnlockLayers
UpfrontLayer	WhichLayer	

#### Konstanten

layersMinVersion	layersName
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#### Variablen

layersBase	layersVersion
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### 1.2 TMP:Modula-2/LayersL.def

```
DEFINITION MODULE LayersL{"layers.library",33};
(* 18-Apr-1992/cn *)
```

```
FROM GraphicsD IMPORT
  ClipRectPtr , BitMapPtr , LayerFlagSet , LayerInfoPtr , LayerPtr , RastPortPtr ,
  RegionPtr ;
```

```
FROM UtilityD IMPORT  HookPtr ;
```

```
IMPORT
  R,ExecD;
```

```
VAR
  layersVersion:INTEGER;
  layersBase:ExecD. LibraryPtr ;

CONST
  layersMinVersion=33;
  layersName="layers.library";

PROCEDURE BeginUpdate (
  l{R.A0}: LayerPtr ):BOOLEAN; CODE -78;

PROCEDURE BehindLayer (
  (* dummy{R.A0}:LONGINT; *)
  layer{R.A1}: LayerPtr ):BOOLEAN; CODE -54;

PROCEDURE (*36*) CreateBehindHookLayer (
  li{R.A0}: LayerInfoPtr ;
  bm{R.A1}: BitMapPtr ;
  x0{R.D0}:LONGINT;
  y0{R.D1}:LONGINT;
  x1{R.D2}:LONGINT;
  y1{R.D3}:LONGINT;
  flags{R.D4}: LayerFlagSet ;
  hook{R.A3}: HookPtr ;
  superbm{R.A2}: BitMapPtr ): LayerPtr ; CODE -192;

PROCEDURE CreateBehindLayer (
  li{R.A0}: LayerInfoPtr ;
  bm{R.A1}: BitMapPtr ;
  x0{R.D0}:LONGINT;
  y0{R.D1}:LONGINT;
  x1{R.D2}:LONGINT;
  y1{R.D3}:LONGINT;
  flags{R.D4}: LayerFlagSet ;
  superbm{R.A2}: BitMapPtr ): LayerPtr ; CODE -42;

PROCEDURE (*36*) CreateUpfrontHookLayer (
  li{R.A0}: LayerInfoPtr ;
  bm{R.A1}: BitMapPtr ;
  x0{R.D0}:LONGINT;
  y0{R.D1}:LONGINT;
  x1{R.D2}:LONGINT;
  y1{R.D3}:LONGINT;
  flags{R.D4}: LayerFlagSet ;
  hook{R.A3}: HookPtr ;
  superbm{R.A2}: BitMapPtr ): LayerPtr ; CODE -186;

PROCEDURE CreateUpfrontLayer (
  li{R.A0}: LayerInfoPtr ;
  bm{R.A1}: BitMapPtr ;
  x0{R.D0}:LONGINT;
  y0{R.D1}:LONGINT;
  x1{R.D2}:LONGINT;
  y1{R.D3}:LONGINT;
  flags{R.D4}: LayerFlagSet ;
  superbm{R.A2}: BitMapPtr ): LayerPtr ; CODE -36;
```

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```
PROCEDURE DeleteLayer (
    (* dummy{R.A0}:LONGINT; *)
    layer{R.A1}: LayerPtr ):BOOLEAN; CODE -90;

PROCEDURE DisposeLayerInfo (li{R.A0}: LayerInfoPtr ); CODE -150;

PROCEDURE EndUpdate (
    layer{R.A0}: LayerPtr ;
    completed{R.D0}:BOOLEAN); CODE -84;

PROCEDURE FattenLayerInfo (li{R.A0}: LayerInfoPtr ); CODE -156;

PROCEDURE InitLayers (li{R.A0}: LayerInfoPtr ); CODE -30;

PROCEDURE InstallClipRegion (
    layer{R.A0}: LayerPtr ;
    region{R.A1}: RegionPtr ): RegionPtr ; CODE -174;

PROCEDURE(*36*) InstallLayerHook (
    layer{R.A0}: LayerPtr ;
    hook{R.A1}: HookPtr ): HookPtr ; CODE -198;

PROCEDURE LockLayer (
    (* dummy{R.A0}:LONGINT; *)
    layer{R.A1}: LayerPtr ); CODE -96;

PROCEDURE LockLayerInfo (li{R.A0}: LayerInfoPtr ); CODE -120;

PROCEDURE LockLayers (li{R.A0}: LayerInfoPtr ); CODE -108;

PROCEDURE MoveLayer (
    (* dummy{R.A0}:LONGINT; *)
    layer{R.A1}: LayerPtr ;
    dx{R.D0}:LONGINT;
    dy{R.D1}:LONGINT):BOOLEAN; CODE -60;

PROCEDURE MoveLayerInFrontOf (
    layerToMove{R.A0}: LayerPtr ;
    otherLayer{R.A1}: LayerPtr ):BOOLEAN; CODE -168;

PROCEDURE(*36*) MoveSizeLayer (
    layer{R.A0}: LayerPtr ;
    dx{R.D0}:LONGINT;
    dy{R.D1}:LONGINT;
    dw{R.D2}:LONGINT;
    dh{R.D3}:LONGINT):BOOLEAN; CODE -180;

PROCEDURE NewLayerInfo (): LayerInfoPtr ; CODE -144;

PROCEDURE ScrollLayer (
    (* dummy{R.A0}:LONGINT; *)
    layer{R.A1}: LayerPtr ;
    dx{R.D0}:LONGINT;
    dy{R.D1}:LONGINT); CODE -72;

PROCEDURE SizeLayer (
```

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```
        (* dummy{R.A0}:LONGINT; *)
        layer{R.A1}: LayerPtr ;
        dx{R.D0}:LONGINT;
        dy{R.D1}:LONGINT):BOOLEAN; CODE -66;

PROCEDURE SwapBitsRastPortClipRect (
    rp{R.A0}: RastPortPtr ;
    cr{R.A1}: ClipRectPtr ); CODE -126;

PROCEDURE ThinLayerInfo (li{R.A0}: LayerInfoPtr ); CODE -162;

PROCEDURE UnlockLayer (layer{R.A0}: LayerPtr ); CODE -102;

PROCEDURE UnlockLayerInfo (li{R.A0}: LayerInfoPtr ); CODE -138;

PROCEDURE UnlockLayers (li{R.A0}: LayerInfoPtr ); CODE -114;

PROCEDURE UpfrontLayer (
    (* dummy{R.A0}:LONGINT; *)
    layer{R.A1}: LayerPtr ):BOOLEAN; CODE -48;

PROCEDURE WhichLayer (
    li{R.A0}: LayerInfoPtr ;
    x{R.D0}:LONGINT;
    y{R.D1}:LONGINT): LayerPtr ; CODE -132;

END LayersL.
```

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