

Liquid UI: Dynamic Readonly Status Handling

User Interface

IW32 – Change Maintenance Order, Initial Screen

The screenshot shows the SAP IW32 'Change Order: Initial Screen'. The top menu bar includes 'Order', 'Edit', 'Goto', 'Extras', 'Environment', 'System', and 'Help'. Below the menu is a toolbar with various icons for navigation and actions. The main title bar reads 'Change Order: Initial Screen'. Below this is a tab bar with 'Header data', 'Operations', 'Components', 'Costs', 'Additional data', 'Planning', and 'Control'. The 'Header data' tab is active. The main content area contains a label 'Order' followed by a text input field with a checkmark icon. The SAP logo is visible in the bottom right corner.

IW33 – Display Maintenance Order, Initial Screen

The screenshot shows the SAP IW33 'Display Order: Initial Screen'. The top menu bar includes 'Order', 'Edit', 'Goto', 'Extras', 'Environment', 'System', and 'Help'. Below the menu is a toolbar with various icons for navigation and actions. The main title bar reads 'Display Order: Initial Screen'. Below this is a tab bar with 'Header data', 'Operations', 'Components', and 'Costs'. The 'Header data' tab is active. The main content area contains a label 'Order' followed by a text input field with a checkmark icon. The SAP logo is visible in the bottom right corner.

IW31 – Create Maintenance Order

Order Edit Goto Extras Environment System Help

✓ [Dropdown] << [Icons]

Create Maintenance Order : Central Header

[Icons]

Order PM01 000000000001 [Icons]

Sys.Status CRTD MANC NTUP [Info] INIT [Checkmark]

HeaderData Operations Components Costs Partner Objects Addit. Data Planning Control

Person responsible

PlannerGrp [1000] [Info]

Mn.wk.ctr [X] / []

Person Res... [] []

Notifctn [] [Info]

Costs [] EUR

PMActType 103 Repair

SystCond. []

Address [] [Info]

Dates

Bsc start 01/27/2016 Priority [] [Info]

Basic fin. 01/27/2016 Revision []

Reference object

Func. Loc. [] [Icons]

Equipment [] [Info]

Assembly [] [Info]

First operation

Operation [] CcKey 1 Calculate duration [v]

WkCtr/Plnt [] / 1000 Ctrl key PM01 Acty Type [] [PRT]

Work durtn [] HR Number [] Oprtn dur. [] HR [Comp.]

Person. no [] [Info]

Location

MntPlant [] Plant section []

Location [] Work center []

Room []

< > [Progress Bar] < >

SAP

IW32 – Change Maintenance Order

Order: PM01 810640 Malfunction in elevator light

Malfunction in elevator light

Sys.Status: REL PRT MANC NMAT PRC SETC

HeaderData | Operations | Components | Costs | Partner | Objects | Addit. Data | Planning | Control

Person responsible

PlannerGrp	102 / 1000	Hr. Wenzel
Mn.wk.ctr	ELEKTRIK / 1000	Electrical mainten...
Person Res...	1605	Karl Wenzel

Notifctn: 10000599

Costs: 0,00 EUR

PMActType: 103 Repair

SystCond.

Address

Dates

Bsc start	04/03/2000	Priority	
Basic fin.	04/03/2000	Revision	

Reference object

Func. Loc.	RE-02-01-00/02	Elevator Goods Entrance 2, Building 1
Equipment		
Assembly		

First operation

Operation	Gehäuse Sicherungskasten entfernen	Cckey	
WkCtr/Plnt	ELEKTRIK / 1000	Ctrl key	PM01
Acty Type	1410		
Work durtn	15 MIN	Number	
Person. no			

Location

MntPlant	1000	Plant section	
Location		Work center	
Room			

IW32 – Change Maintenance Order (Status contains CLSD)

Order Edit Goto Extras Environment System Help

Change Maintenance Order 810620: Central Header

Order PM01 810620 Welle-Lager-Baugruppe verformt

Welle-Lager-Baugruppe verformt

Sys.Status CLSD CNF GMPS MANC PRC SETC

HeaderData Operations Components Costs Partner Objects Addit. Data Planning Control

Person responsible

PlannerGrp 100 / 1000 Hr. Weber

Mn.wk.ctr MECHANIK / 1000 Mechanical mainte...

Person Res... 1603 Frank Weber

Notifctn 10000587

Costs 0,00 EUR

PMActType 103 Repair

SystCond.

Address

Dates

Bsc start 03/30/2000 Priority

Basic fin. 03/30/2000 Revision

Reference object

Func. Loc. K1-BR2-11 Booster pump plant - pump 1

Equipment P-1000-N004 Electric pump 004

Assembly

First operation

Operation Welle-Lager-Baugruppe verformt CcKey 1 Calculate duration

WkCtr/Plnt MECHANIK / 1000 Ctrl key PM01 Acty Type 1410 PRT

Work durtn 2,0 HR Number 1 Oprtn dur. 2,0 HR Comp.

Person. no 0

Location

MntPlant 1000 Plant section

Location 1 Work center

Room

SAP

IW33 – Display Maintenance Order

Order

Edit

Goto

Extras

Environment

System

Help

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Display Maintenance Order 810640: Central Header

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Order

PM01 810640

Malfunction in elevator light

🔍

Malfunction in elevator light

Sys.Status

REL

PRT

MANC

NMAT

PRC

SETC

🔍

HeaderData

Operations

Components

Costs

Partner

Objects

Addit. Data

Planning

Control

Person responsible

PlannerGrp 102 / 1000 Hr. Wenzel

Mn.wk.ctr ELEKTRIK / 1000 Electrical mainten ...

Person Res... 1605 Karl Wenzel

Notifctn 10000599

Costs 0,00 EUR

PMActType 103 Repair

SystCond.

Address

Dates

Bsc start 04/03/2000

Basic fin. 04/03/2000

Priority

Revision

Reference object

Func. Loc. RE-02-01-00/02 Elevator Goods Entrance 2, Building 1

Equipment

Assembly

First operation

Operation Gehäuse Sicherungskasten entfernen

WkCtr/Plnt ELEKTRIK / 1000

Ctrl key PM01

Acty Type 1410

Work durtn 15 MIN

Number 0

Opntrn dur. 0,0

Person. no 0

Location

MntPlant 1000

Location

Room

Plant section

Work center

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>

...

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SAP

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Liquid UI Code [Script]

IW32 / IW33 Initial Screen

```
////////////////////////////////////////////////////////////////////////////////////////////////////////////////
// Author: Synactive, Inc. [1065 E. Hillsdale Blvd, Foster City, CA, 94404, USA]
// Email: support@guixt.com; sales@guixt.com;
// Contact: 650.341.3310
// Version: 1.0.0.0
////////////////////////////////////////////////////////////////////////////////////////////////////////////////

//User Interface
onUIEvents["Enter"] = {"fcode":"?", "process":iw32iw33Execute}; //Execute when user hits enter on screen

//Function to execute and fetch data from "Location" tab
function iw32iw33Execute(){
  onscreen "SAPLCOIH.0101"
    enter();
    onmessage //Error handling
      if(_message.substring(0,2) == "E:"){
        message(_message);
        enter("?");
        goto FUNC_END;
      }
      else
        enter();

  onscreen "SAPLCOIH.0101" //Error Handling
    if(_message.substring(0,2) == "E:"){
      message(_message);
      enter("?");
      goto FUNC_END;
    }
    else
      enter();

  onscreen "SAPLCOIH.3000"
    set("V[iw3x_status]", "&F[Sys.Status]");
    enter("=ILOA"); //Go to "Location" tab

  onscreen "SAPLCOIH.3000"
    set("V[iw3x_maint_plant]", "&F[MaintPlant]");
    set("V[iw3x_location]", "&F[Location]");
    set("V[iw3x_room]", "&F[Room]");
    set("V[iw3x_plant_section]", "&F[Plant section]");
    set("V[iw3x_work_center]", "&F[Work center]");
    enter("=IHKZ"); //Go to "HeaderData" tab

  FUNC_END;;
}
```

IW31 / IW32 / IW33 Detail Screen

```
/////////////////////////////////////////////////////////////////
// Author: Synactive, Inc. [1065 E. Hillsdale Blvd, Foster City, CA, 94404, USA]
// Email: support@guixt.com; sales@guixt.com;
// Contact: 650.341.3310
// Version: 1.0.0.0
/////////////////////////////////////////////////////////////////

//User Interface

//If transaction is IW31 or IW32 but system status doesn't contain "CLSD"
if(_transaction == "IW31" || (_transaction == "IW32" && iw3x_status.indexOf("CLSD")<0)){
    iw3x_readonly_flag = false;
}
//If transaction is IW33 or system status contains "CLSD"
else if(_transaction == "IW33" || iw3x_status.indexOf("CLSD")>-1){
    iw3x_readonly_flag = true;
}

del("P[Location]"); //Remove "Location" tab on screen

if(_page.exists("HeaderData")){
    box("G[First operation]+[6,0]", "G[First operation]+[10,80]", "Location");
    inputfield("G[Location]+[1,1]", "MntPlant", "G[Location]+[1,12]",
        {"name":"iw3x_maint_plant", "size":4, "readonly":iw3x_readonly_flag});
    inputfield("G[Location]+[2,1]", "Location", "G[Location]+[2,12]",
        {"name":"iw3x_location", "size":10, "readonly":iw3x_readonly_flag});
    inputfield("G[Location]+[3,1]", "Room", "G[Location]+[3,12]",
        {"name":"iw3x_room", "size":8, "readonly":iw3x_readonly_flag});
    inputfield("G[Location]+[1,41]", "Plant section", "G[Location]+[1,57]",
        {"name":"iw3x_plant_section", "size":3, "readonly":iw3x_readonly_flag});
    inputfield("G[Location]+[2,41]", "Work center", "G[Location]+[2,57]",
        {"name":"iw3x_work_center", "size":8, "readonly":iw3x_readonly_flag});
}

if(!iw3x_readonly_flag){
    onUIEvents["/11"] = {"fcode":"?", "process":iw3xSave}; //Execute when user hits save on screen
}
```