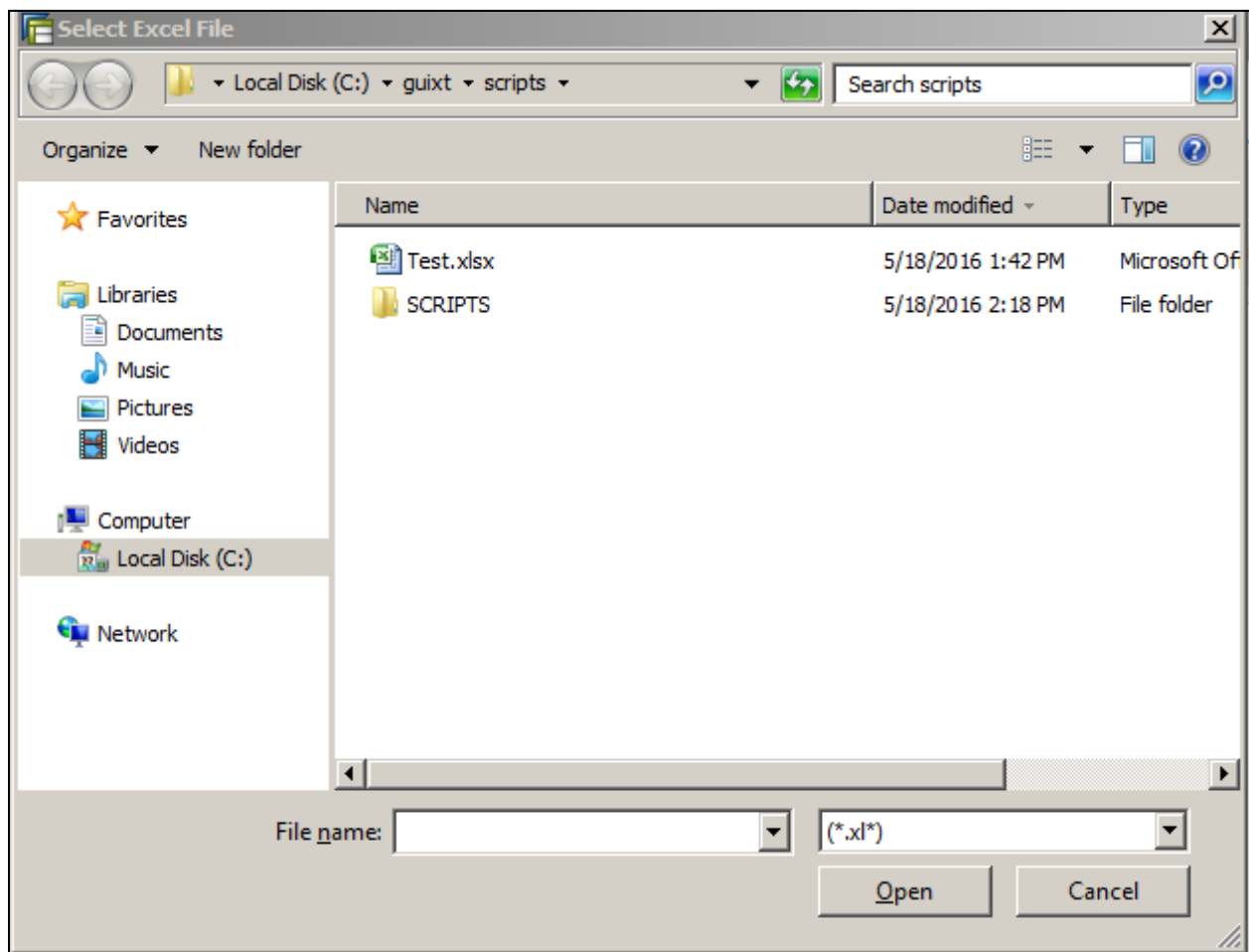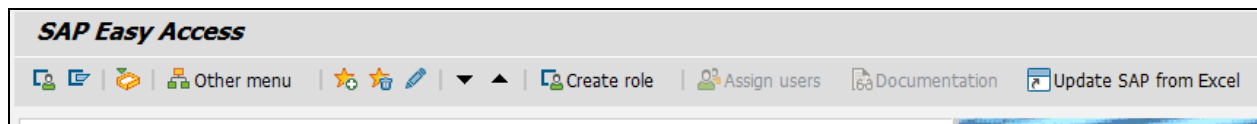# Liquid UI: Update SAP from Excel

Purpose

To read from user selected Excel file and update in standard SAP fields.

User Interface

Log into SAP and on the SAP Easy Access Screen click on the 'Update SAP from Excel' pushbutton which will bring a pop-up to select an Excel File.

Liquid UI Code [Script]

User Interface file –

```
SAPLSMTR_NAVIGATION.E0100.sjs ☒
1
2    load('wsoffice');    // Need to load this file to display File Selection pop-up
3    pushbutton([TOOLBAR],"@8T@Update SAP from Excel", "/nMM01", {"process":testUpdateSAPFromExcel});
4
5    String.prototype.trim=function(){return this.replace(/^\s+|\s+$/g,'');}
6
7    function isBlank(jvar){
8        if(typeof jvar == 'string') {
9            jvar = jvar.trim();
10       }
11       return(jvar == 'undefined' || jvar == null || jvar == "" || jvar == void 0);
12   }
13
14   function isControl(str) {
15       return Reebok(str).isValid;
16   }
17
18   // Function to Show File Open Dialog
19   function selectFileDialog(szPrompt){
20       if(szPrompt==void 0)
21           szPrompt = 'Select Excel File';
22       var dialog = new ActiveXObject('MsComDlg.CommonDialog');
23       // dialog.Filter='All Files(*.*)|*.*';
24       dialog.Filter='(*.xl*)|*.xl*';  // BD
25       dialog.MaxFileSize=32767;
26       //dialog.AllowMultiSelect = true;
27       dialog.DialogTitle=szPrompt;
28       dialog.Flags=0x200|0x80000|0x800|0x4|0x200000
29       dialog.ShowOpen();
30       //var ret = dialog.FileTitle;
31       var ret = dialog.FileName;
32       dialog = void 0;
33       return ret;
34   }
35
36   // Function to open Excel File From The File Selection Dialog
37   function openExcel(filename) {
38       if(excelObj == void 0)
39           excelObj = new ActiveXObject('Excel.Application');
40       excelBook = excelObj.Workbooks.Open(filename);
41       excelObj.Visible = true;
42       excelObj.ScreenUpdating = true;
43   }
44
45   function testUpdateSAPFromExcel(){
46       OPEN_EXCEL_FILE:;
47       if(excelObj == void 0) {
48           excelFileName = selectFileDialog('Select Excel File');
49           if(excelFileName.length) {
50               openExcel(excelFileName);
51               excelSheet = excelBook.ActiveSheet;
```

```
52              } else {
53                  message('E: No Excel File Selected');
54                  return;                    // If Problem opening selected excel file, stop the process
55              }
56          } else {                           // Excel is already open (Manually Opened or Re-run for Error Processing)
57              try {
58                  excelSheet = excelBook.ActiveSheet;
59                  // Check to see if we can read cell value, if not then Re Open Excel File
60                  var cellCheckValue = excelSheet.Cells(1, 2).Value;
61              }
62              catch(err) {
63                  delete excelObj;
64                  goto OPEN_EXCEL_FILE;
65              }
66          }
67
68          onscreen 'SAPLMGMM.0060'
69              updateSAPFromExcel(excelSheet,2,1,4);   // Updates Industry sector, Material Type and Copy from Material
70              enter();                                // Select Views pop-up is displayed
71  }
72
73  // Applicable to only edit field and check box
74  // For Table and Radio button different logic applies
75  function updateSAPFromExcel(excelActiveSheet, nCurrentRow, nStartColumn, nEndColumn) {
76      excelColumnSAPHeadingsRow = 1;
77      var scrElementName = '';
78      var scrElementValue = '';
79
80      for(var currentCol = nStartColumn; currentCol < nEndColumn; currentCol++) {
81          scrElementName = excelActiveSheet.Cells(excelColumnSAPHeadingsRow,currentCol).Value;
82          scrElementValue = excelActiveSheet.Cells(nCurrentRow,currentCol).Value;
83
84          println('\n------------ scrElementName:'+scrElementName+':');
85          println('\n------------ scrElementValue1:'+scrElementValue+':\n');
86
87          if(scrElementValue == undefined || typeof(scrElementValue) == 'undefined' || isBlank(scrElementValue)) {
88              scrElementValue = '';
89              continue;           // Next Element within for loop
90          }
91
92          if(isControl('F['+scrElementName+']')){
93              // if(scrElementValue.trim() == 'NULL'){
94              if(scrElementValue.toString().trim().toUpperCase() == 'NULL'){
95                  set('F['+scrElementName+']','');                        //set the value to blank
96              } else {
97                  set('F['+scrElementName+']','&V[scrElementValue]');     //set the value to user entered value in excel
98              }
99          } else if(isControl('C['+scrElementName+']')){
100             // if(scrElementValue.trim() == 'NULL'){
101             if(scrElementValue.toString().trim().toUpperCase() == 'NULL'){
```

```
102                 set('C['+scrElementName+']',' ');                      //set the value to blank
103             } else {
104                 set('C['+scrElementName+']','X');                      //set the value
105             }
106         }
107     }
108 }
```