

# Liquid UI: Update Text Content with Editor

## User Interface

Sales document Edit Goto Extras Environment System Help

Change Standard Order 5235: Overview

Standard Order 5235 Net value 474.000,88 DEM Term of Delivery

Sold-to party 1175 Elektromarkt Bamby / Adlerstrasse 452 / 07545 Gera

Ship-to party 1175 Elektromarkt Bamby / Adlerstrasse 452 / 07545 Gera

PO Number Dq-19971022-2z PO date 10/22/1997

Sales Item detail Item overview Ordering party Procurement Shipping Reason for rejection

Req. deliv.date D 01/01/2010 Deliver.Plant

Complete div. Total Weight 6.330 KG

Delivery block 03 Bottleneck material Volume 75,200 M3

Billing block 43 new price as of... Pricing date 10/22/1997

Payment card Exp.date

Payment terms ZB01 14 Days 3%, 30/2... Incoterms CIP Gera

Order reason 104 Material ruined

Sales area 1000 / 12 / 00 Germany Frankfurt, Sold for resale, Cross-division

All items

Item	Material	Order Quantity	SU	S	Description	Customer Material Numb	ItCa	DG...	HgLvlt	D First date	Plnt	Batch
	10 L-80F	1	CAR	✓	Pumpe Shghfjss Etanorm 170-23..03		TAN		0 D	10/23/1997	1200	
	20 L-60F	253	CAR	✓	Gluehlampe 60 Watt matt 220/2..		TAN		0 D	10/23/1997	1200	

SAP

# Liquid UI Code [Script]

## User Interface

```
//user Interface
box([0,87], [5,164], "Term of Delivery");
textbox([1,89], [5,159], {"name":"z_va01_term_of_delivery_text"});
pushbutton([4,161], "@2L\\QSave Text@", "?", {"process":va01SaveText, "size":[1,2], "using":{"l_seq":6}});
```

## Generic Functions

```
//Function to trim string
String.prototype.trim = function() {
    return this.replace(/^\s+|\s+$/g, "");
}

//Function to check if the string blank
function isBlank(jvar) {
    println(jvar);
    if (jvar=="undefined" || jvar== void 0 || jvar.toString().trim()==" " || jvar==null) {
        return true;
    } else {
        return false;
    }
}

//Function to split a string into an array with specified char size
function splitText(longText, charSize){
    charSize = parseInt(charSize);
    var textArray = longText.split('\n');
    var resultArray = [], matchedArray = [];
    var new_line_content = "", remained_line_content = "", cur_line = "";

    for(var i=0; i<textArray.length; i++){
        new_line_content = textArray[i].replace(/\t+/g, " ").trim(); //Text editor doesn't support Tab content

        do{
            remained_line_content = "";
            if(new_line_content.length > charSize){
                cur_line = new_line_content.substring(0,charSize);
                matchedArray = cur_line.match(/((\S*\s+\S*)+\s)|(\S*)/g);
                remained_line_content = new_line_content.substring(matchedArray[0].length, new_line_content.length);
                new_line_content = matchedArray[0];
            }
            resultArray.push(new_line_content);
            new_line_content = remained_line_content;
        } while(new_line_content.length > 0)

    }

    return resultArray;
}

//Function to check if longtext is blank
function isTextBoxBlank(longText) {
    var bTextExist = true;
    var arrText = longText.split('\n');
    for(i=0;i<arrText.length;i++) {
        if(!isBlank(arrText[i].trim())) {
            bTextExist = false;
            break;
        }
    }
    return bTextExist;
}
```

## Save Function

```
//Function to copy text content to SAP text editor screen
function va01SaveText(param){
    var z_va0x_find_text_counter = param.l_seq;           //Copy passed sequence parameter

    onscreen "SAPMV45A.4001"
    if(isTextBoxBlank(z_va01_term_of_delivery_text.trim())){ //Skip copy text if textbox is blank
        enter('?');
        goto FUNC_END;
    }
    enter('/Menu=3,2,11');                                //Go to Header Data-> Text tab
    onmessage                                              //Error handling
    if(_message.substring(0,2) == "E:"){
        message(_message);
        enter('?');
        goto FUNC_END;
    } else
        enter();

    onscreen 'SAPMV45A.4002'
    enter('=TP_FIRST');                                   //Go to first option in the list

    RECHECK_FIND_TEXT:;
    onscreen 'SAPMV45A.4002'
    if(z_va0x_find_text_counter > 0){                     //According to sequence value
        z_va0x_find_text_counter--;
        enter('=TP_NEXT');                                //Go to next text in the list
        goto RECHECK_FIND_TEXT;
    } else{
        z_longtextarray = splitText(z_va01_term_of_delivery_text,72);

        println('array--'+z_longtextarray);
        var start_line = 1;
        var save_line_count = 0;
        var line_count = z_longtextarray.length;

        enter('=TP_DETAIL');                              //Go to text editor

    }

    onscreen 'SAPLSTXX.2102'
    enter('/Menu=3,3');                                    //Change editor

    onscreen 'SAPLSTXX.1100'
    enter("/Menu=1,7");                                    //Cancel existing content

    onscreen 'SAPLSPO1.0100'
    enter("=YES");                                         //Select "yes" in the popup

    NEXT_LINE:;
    onscreen "SAPLSTXX.1100"
    //Form editable lines according to the length of operation long text
    if(!(start_line > line_count)){
        save_line_count = start_line + 1;
        if(save_line_count<10){
            setcursor("cell[Table,3,"+save_line_count+"]");
        } else{
            setcursor("cell[Table,3,10]");
        }

        start_line++;
        enter();
        goto NEXT_LINE;
    } else {
        var ltrelrow = 1;
        var ltabrow = 1;
        enter("/ScrollToLine=1", {"table":"T[Table]"});    // Scroll table to top before copying value
    }

    NEW_SCREEN:;
    onscreen 'SAPLSTXX.1100'
    gettableattribute("T[Table]", {"firstvisiblerow":"FVisRow", "lastvisiblerow":"LVisRow", "lastrow":"LRow"});

    for(ltrelrow=1; ltrelrow<11; ltrelrow++, ltabrow++){ // Copy long text to table
        if(ltabrow > line_count){                         // If ltabrow counter exceeds the total line value, Click "Back" to exit editing
            enter("/11");
            goto COPY_TEXT_END;
        }
        start_copy_line = ltrelrow + 1;                   // Set targeting row
        tmp_line = z_longtextarray[ltabrow-1];            // Copy current line content to a temp variable
        if(!isBlank(tmp_line))
            set('cell[Table,3,&V[start_copy_line]]', '&V[tmp_line]');
        else
            set('cell[Table,3,&V[start_copy_line]]', '');
    }
    enter("/ScrollToLine="+((ltabrow--)-1), {"table":"T[Table]"}; // Scroll to show more editable line
    goto NEW_SCREEN;

    COPY_TEXT_END:;
    onscreen 'SAPLSTXX.1100'
    enter('/3');

    FUNC_END:;
}
```