

# Standard Operating Procedure

## <UsingLibrary>

```
include;

    superapi::supercore;
    superapi::superfiledialog;
    superapi::superfilemanager;
    superapi::supergroupbox;
    superapi::superlogger;
    superapi::supernotedialog;
    superapi::superplot;
    superapi::superprogressbardialog;
    superapi::supertab;
    superapi::superwindow;

public;

    csvdatabox public superapi::supertab;
    csvdatabox::datadialog public superapi::superwindow;
    csvdatabox::itemdialog public superapi::superwindow;
    csvdatabox::infodialog public superapi::superwindow;
```

## <CsvDataBox>

```
Process Files

clicked;

    process files by selected function;
    include merge,remove duplicate,open path;

☐ merge csv files

    Statechanged;
    add merge csv files function or not;

☐ remove duplicate

    Statechanged;
    add remove duplicate function or not;

☐ open path

    Statechanged;
    add open path function or not after process files;
```

## <CsvDataBox::Datadialog>

```
data

clicked;

    change to data tab;

plot

clicked;

    change to plot tab;

Edit

clicked;

    if widget text is Edit,
    enable edit mode,set widget text as Apply;
    else
    enable view mode,save current tab to csv file,set widget text as Edit;

cpk: double limit, chart: histogram

nousercontrol;

    display cpk cal mode;
    display chart mode;

example

nousercontrol;

    display current item's title;

Mean: 0

nousercontrol;

    display current plot's mean value;
```

Sigma: 46.8215

nousercontrol;  
display current plot's sigma value;

Cpk: 0.884577

nousercontrol;  
display current plot's cpk value;



clicked;  
change mouse operate mode as select;



clicked;  
change mouse operate mode as move;



clicked;  
replot data;



clicked;  
plot select data at data tab;



clicked;  
change cpk cal mode;  
include double,upper,lower;



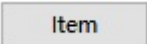
clicked;  
change chart display mode;  
cpk mode include histogram,line,scatter;  
grr mode include range,appraiser,part,interaction;



clicked;  
open grr rules dialog;



clicked;  
refresh current data;



clicked;  
open items dialog;

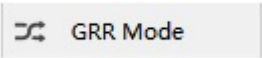
<CsvDataBox::Itemdialog>

0 234 TestTotalTime

itemdoubleclicked;  
plot items data by current mode;  
itemrightclicked;  
exec option menu;  
include open,grr mode / cpk mode;



triggered;  
plot items data by current mode;



triggered;  
change current mode as grr / cpk;

<CsvDataBox::InfoDialog>



textchanged;  
change grr rules;

## Version Logs

<20220404 Version 1.07>

adapted to ubuntu kde x11 platform;

<20220209 Version 1.06>

use supertab,supergroupbox api;

<20220113 Version 1.05>

fix bugs daily;  
add load and record function;

<202111206 Version 1.04>

add grr function;

<20211126 Version 1.03>

add check function before open file;

<20211021 Version 1.02>

replace qmessagebox with supernotedialog;

<20211008 Version 1.01>

add explain for every function;  
not include init function;

<20211003 Version 1.00>

first release;