# Some Most Vital Function Modules to remember

- Pavan Golesar ( sapparamount@gmail.com )

**ABAP4_CALL_TRANSACTION**
Call transaction code, also see SAPGUI_SET_FUNCTIONCODE

**ADDR_PERS_COMP_COMM_GET**
Get additional user address details not retrived by SUSR_USER_ADDRESS_READ (i.e. email address)

**ADDR_PERS_COMP_COMM_MAINTAIN**
Update additional user address details (i.e. email address)

**BAPI_COMPANYCODE_GET_PERIOD**
Retrieve fiscal year and payroll period (based on date and company code)

**CALCULATE_DATE**
Increase/decrease DATE by a specific number of Days/Months

**CONVERT_DATE_TO_EXTERNAL**
Converts date from system storage format to users specified display format

**ADDR_PERS_COMP_COMM_GET**
Get additional user address details not retrived by SUSR_USER_ADDRESS_READ (i.e. email address)

**BAPI_COMPANYCODE_GET_PERIOD**
Retrieve fiscal year and payrole period (based on date and company code)

**CREATE_TEXT**
Create standard texts (i.e. PO headers texts)

**CURRENCY_AMOUNT_SAP_TO_DISPLAY**
Convert currency value from value stored in SAP to displayed currency

**CURRENCY_AMOUNT_DISPLAY_TO_SAP**
Convert currency value from displayed currency value to value stored in SAP

**CLPB_EXPORT**
Export files to clipboard

**CLPB_IMPORT**
Copies clipboard into table

**DATE_COMPUTE_DAY**
Returns day of the week for a particular date(1=Monday, 5=Friday etc.)

**DATE_TO_DAY**
Returns day of the week for a particular date('Monday', 'Friday', 'Sat.')

**DOCU_READ**
Retrieve SAP documentation for specific repository object (FM, Prog, Tcode etc). link details required by function module are stored in table DOKIL.

**ENQUEUE_READ**
Returns list if active lock objects

**DETERMINE_PERIOD**
Retrieve fiscal year and payrole period (Note: verision parameter is fiscal year varient from table T009)

**DYNP_VALUES_UPDATE**
Return values (i.e. from an F4 value request) into respective fields on a dynpro

**F4IF_FIELD_VALUE_REQUEST**
Call search help manually i.e. from report selection screen

**F4IF_INT_TABLE_VALUE_REQUEST**
Display internal table as search help (documented in SAP)

**FILE_GET_NAME**
Retrieve Logical file path. Use Transaction 'FILE' to view/create logical file paths

**FTI_FISCAL_YEAR_MONTH_GET**
Returns fiscal year for specific date

**GUI_DOWNLOAD, WS_DOWNLOAD, DOWNLOAD**
Download file to PC

**GUI_UPLOAD, WS_UPLOAD, UPLOAD**
Upload file from PC

**HR_SEN_CRULE_0100_DATE**
Increase/decrease DATE by a specific number of Days/Months/Years

**JOB_OPEN, JOB_SUBMIT, JOB_CLOSE**
Create and submit background jobs

**MESSAGE_TEXT_BUILD**
Builds actual message based on info returned from Call transaction

**NUMBER_GET_NEXT**
Get the next unique number in a number range. Use tcode SNRO for maintaining number ranges

**NUMBER_CHECK**
Check if number is within a number range (see tcode SNRO)

**NUMBER_GET_INFO**
Get info about number range (see tcode SNRO)

**POPUP***

Display Pop-up Screen(s)

## QF05_RANDOM_INTEGER
Generate random number

## READ_TEXTS
Retrive standard texts (i.e. PO headers texts)

## READ_EXCHANGE_RATE
Retrieve exchange rate on a particular date

## RS_CREATE_VARIANT
Creating a Report Variant

## RS_VARIANT_CONTENTS
Returns contents of a variant, is also useful as the result lists all variable names that could be set on screen

## RSEC_GENERATE_PASSWORD
Generate random password, used by SU01 to create new passwords for users

## RZL_READ_DIR_LOCAL
Get list of files within specific directory(Application Server)

## SAPGUI_SET_FUNCTIONCODE
Execute SAP function code. Can also be used to execute transaction code by using '/o' i.e. '/OSE80'.

## SO_SPLIT_FILE_AND_PATH
Splits the filename and its path i.e. c:\temp\hello.txt would return 'hello.txt' & 'c:\temp\'

## SPLIT_FILENAME
Splits the file name and its extension i.e. c:\temp\hello.txt would return 'hello' & 'txt'

## STUM_WP_TOTAL_ACTIVITY
Retrieves list of all process from all servers (i.e. SM50, SM66). Also returns a second table, containing a list of all the servers

## STUM_WP_SERVER_ACTIVITYS & EW_TH_WPINFO
Retrieves list of processes on current server

## SUSR_USER_ADDRESS_READ
Get user address details stored under 'Own data'. Also see ADDR_PERS_COMP_COMM_GET

## SUSR_USER_PARAMETERS_GET
Get user parameter details stored under 'Own data'

## SUSR_USER_DISPLAY_WITH_AUTHS
Displays user authorisation objects (Note: may have to debug around authority checks)

## SUSR_USER_AGR_ACTIVITYGR_GET
Get users activity group details

**SUSR_SYNC_USER_TABLES**
Sync USR tables

**SXPG_COMMAND_EXECUTE**
Execute external command(FTP data in & out of SAP)

**SX_INTERNET_ADDRESS_TO_NORMAL**
Check email address has been entered in correct format

**TH_POPUP**
Display Windows Message on Users Screen

**TH_USER_INFO**
Get information about current active session

**TH_USER_LIST**
Gets list of current sessions active on SAP system

**TH_DELETE_USER**
Delete SAP session based on user namd and TID

**WS_EXECUTE**
Execute External Program