

Program Documentation: ZK_REVENUE_RECOGNITION_CONSMAT

1. Technical Reference

Object Name	Object Type	Object Description
ZK_REVENUE_RECOGNITION_CONSMAT	Program	Revenue Recognition for Consumable Materials
ZCL_RFW_CONTROLLER	Class	Generic Controller for Reports
ZCL_K_REVENUE_RECOG_CONSMAT	Class	Model/View Class for Revenue Recognition
ZRFW_CONTROLLER_M01_V01_L02	Function Module	Controller Initialization
RP_LAST_DAY_OF_MONTHS	Function Module	Get Last Day of Month

2. Selection Screen Details

Name	Type	Parameter/Select Option	Comments	Default Value	Table-Field
p_rb1	Radio Btn	Parameter	Report mode 1 (default)	X	-
p_rb2	Radio Btn	Parameter	Report mode 2	-	-
p_rb3	Radio Btn	Parameter	Report mode 3	-	-
r_pspfi	Select-Opt	Project Definition	Range	-	PRPS-PSPHI
r_npspnr	Select-Opt	Network WBS	Range	-	PRPS-PSPNR
r_pspnr	Select-Opt	WBS Element	Range	-	PRPS-PSPNR
r_werks	Select-Opt	Plant	Range	-	AFPO-DWERK
r_charg	Select-Opt	Batch	Range	-	AFPO-CHARG
r_matnr	Select-Opt	Material Number	Range	-	MARA-MATNR
r_mtar	Select-Opt	Material Type	Range	ROH or Param	MARA-MTART
r_exdate	Select-Opt	Extraction Date	Single	Month-End	RSAPETDTL-EXTRACTION_DATE
r_amtsr	Select-Opt	Amount Source	Range	-	ZKCGT_WBS_RECOG-AMOUNT_SOURCE
r_ernam	Select-Opt	Created By	Range	-	ZKCGT_WBS_RECOG-ERNAM
r_erdatt	Select-Opt	Created On	Range	-	ZKCGT_WBS_RECOG-ERDAT
r_status	Select-Opt	Status	Range	SPACE	ZKCGT_WBS_RECOG-STATUS
p_batre	Parameter	Flag	Batch release indicator	X	-

3. Technical Details

- Trigger Mechanism: Interactive report execution from SE38/Custom T-code.
- Start Condition: User executes program and provides selection criteria.
- Business Objects: WBS Revenue Recognition (ZKCGT_WBS_RECOG, PRPS, AFPO, MARA).
- Report Type: ALV Report (via Model/View class).
- Special Logic:
 - Defaults Material Types from ZTT_A2D_PARAM.

- Defaults Extraction Date to Month-End.
- Dynamic screen fields via MODIF ID depending on radio button.
- Mandatory validations depending on report mode.

4. Starting Conditions

- Program is run online by user.
- Intended mainly for month-end execution since extraction date defaults to month-end.
- Can be scheduled in background with parameter defaults.

5. Data Mapping Tables

Table	Purpose
MARA	Material Master (Material No, Type)
AFPO	Order Item (Plant, Batch)
RSAPETDTL	Extraction Details (Date)
PRPS	WBS Element (Project/WBS)
ZKCGT_WBS_RECOG	Custom WBS Revenue Recognition
ZTT_A2D_PARAM	Custom Parameters (Defaults)

6. Error Handling

- Validation errors prompt user messages (e.g., "Please Maintain Plant").
- ASSERT on controller binding: Dumps if controller not created.
- Selection-screen dynamic hiding prevents invalid input combinations.

7. Authorization

- Authorization required to execute custom program.
- Access needed for tables: PRPS, MARA, AFPO, ZKCGT_WBS_RECOG.
- Custom role should include report execution and ALV display rights.
- Possible dependency on project and material authorization objects (e.g. P_PROJ, M_MATE_MAT).