Technical Specification Document

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# 6. SAP Object Details

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# 7. Data Declarations & SAP Tables Used

|  |  |  |  |
| --- | --- | --- | --- |
| Declaration Name | Data Type/Object | Description | Usage Context |
| ikonv | Internal Table (with header line) of structure KONV | Global internal table 'ikonv' declared with structure KONV and header line. | Used to store condition records, fetched from prcd\_elements table (knumv field). |
| ifinal | Internal Table (with header line) with fields vbeln, posnr, matnr, werks | Global internal table 'ifinal' with custom structure containing fields vbeln, posnr, matnr, werks and header line. | Used to store final processed data combining delivery and material information. |
| i\_t001w | Internal Table (with header line) of type T001W | Global internal table 'i\_t001w' of type T001W with header line. | Used to store plant data fetched from T001W table. |
| t001w | t001w | Table work area declaration for database table T001W. | Used as a work area for plant data. |
| mara | mara | Table work area declaration for database table MARA. | Used as a work area for material master data. |
| lips | lips | Table work area declaration for database table LIPS. | Used as a work area for delivery item data. |
| bseg | bseg | Table work area declaration for database table BSEG. | Used as a work area for accounting document segment data. |
| ilips | OCCURS 0 structure based on LIPS | Internal table with header line based on structure LIPS. | Used to store delivery item data fetched from LIPS table. |
| imara | OCCURS 0 structure based on MARA | Internal table with header line based on structure MARA. | Used to store material master data fetched from MARA table. |
| lv\_product | TYPE matnr | Variable of type MATNR for storing a product number. | Used for temporary storage of material number in processing logic. |
| lv\_salary | TYPE dmbtr | Variable of type DMBTR for storing a salary amount. | Used for temporary storage of salary/amount values, e.g., from acdoca-dmbtr. |
| zrcopy\_sample\_ecc\_code\_top\_v1 | INCLUDE zrcopy\_sample\_ecc\_code\_top\_v1 | Includes global declarations such as variables, types, tables, constants, ranges, field-symbols, and structures from the top include file. | Used to modularize and centralize global declarations for the program. |
| T001W | SAP Table | Plant master data table. | Read in fetch\_and\_check\_plant subroutine and as work area/internal table. |
| MARA | SAP Table | Material master data table. | Read in fetch\_material, fetch\_orderby, fetch\_single, fetch\_marc\_mard, and as work area/internal table. |
| LIPS | SAP Table | Delivery item data table. | Read in fetch\_delivery\_items and as work area/internal table. |
| BSEG | SAP Table | Accounting document segment table. | Used as work area. |
| PRCD\_ELEMENTS | SAP Table | Pricing condition elements table. | Read in fetch\_konv and fetch\_dzaehk subroutines. |
| VBRK | SAP Table | Billing document header table. | Read in fetc\_vbrk subroutine. |
| VBRP | SAP Table | Billing document item table. | Read in fetch\_vbrp subroutine. |
| ACDOCA | SAP Table | Universal Journal Entry Line Items. | Read in fetch\_bsak and populate\_salary subroutines. |
| KNA1 | SAP Table | General customer master data. | Read in fetch\_j1m0cust subroutine. |
| MARC | SAP Table | Plant data for material. | Read in fetch\_marc\_stawn, fetch\_marc\_mard, fetch\_single subroutines. |
| MARD | SAP Table | Storage location data for material. | Read in fetch\_marc\_mard subroutine. |
| VBAK | SAP Table | Sales document header data. | Read in fetch\_vbuk subroutine. |
| P\_BusinessPlace | SAP Table | Business place data. | Read in fetch\_jbbranch subroutine. |
| /SAPSLL/CL\_MM\_CLS\_SERVICE | ABAP Class (reference variable) | Commodity code classification service class. | Instantiated and used in fetch\_marc\_stawn subroutine. |
| vfprc\_cond\_count | Data Type | Data type for condition counter. | Used as type for lv\_dzaehk in fetch\_dzaehk subroutine. |
| Various local variables (e.g., lv\_matnr, lv\_matnr\_sub, lv\_lines, lv\_lsobs, etc.) | Various types (matnr, char, integer, etc.) | Temporary variables for substring operations, counters, and data transfer. | Used in subroutines such as fetch\_orderby, fetch\_single, prepare\_final\_data, fetch\_marc\_mard. |
| ty\_lips\_sel | Local Structure | Structure with fields matnr, posnr, vbeln, werks. | Used in fetch\_delivery\_items subroutine for selecting and processing LIPS data. |
| lt\_lips\_sel, ls\_lips\_sel, ls\_ilips | Internal table and work areas of ty\_lips\_sel/LIPS | Used for intermediate storage and processing of delivery item data. | Used in fetch\_delivery\_items subroutine. |
| lt\_data, ls\_marc, lo\_cls\_service, lo\_cls\_service\_det | Various (internal tables, work areas, object references) | Used for intermediate storage and object-oriented processing. | Used in various subroutines for data retrieval and service calls. |

# 8. User Interface Details

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