

# UN audit using IDEA

At ICED, Jaipur

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# Topics to be covered

- ▶ Export to Excel using utility wizard in SAP using TCODES.
- ▶ Set Working Folder
- ▶ Import MS EXCEL to Idea
- ▶ History of imported file

- ▶ **FIELD STATISTICS (NUMERIC STATISTICS OF NUMERIC FIELD)**
  - ▶ Net value, Absolute value, No. of records, no. of zero items, etc.,
- ▶ Control total can be fixed to any numeric field
- ▶ **FIELD MANIPULATION**
- ▶ Various data type
- ▶ Creation of Virtual field

- ▶ Joining Database
- ▶ Appending Database
- ▶ Direct Extraction – using Numeric Field, Date field, Character field
- ▶ Renaming the file
- ▶ Functions
- ▶ Types of equations
- ▶ Grouping of Records
- ▶ Sorting

# Tables for analysis

## ICT activities of PKO

- ▶ **ICT details of New York**
  - ▶ ICTD -Universe -2013-14
- ▶ **ICT activities in the United Nations Multidimensional Integrated Stabilization Mission (MINUSMA) in Mali**
  - ▶ MINUSMA - ICT PROCUREMENT REPORT - Detailed by PO No. - COMMS (2013-14)
  - ▶ MINUSMA - ICT PROCUREMENT REPORT - Detailed by PO No. - IT (2013-14)
  - ▶ CITS- TOTAL ASSETS INVENTORY - 2013-14 revised 19-09014

# Some of the Audit Observations - using IDEA

- ▶ Inconsistency in Data
  - ▶ EOD\_UN details are not captured
  - ▶ Purchase Order date and the Received date are same
  - ▶ Purchase Order is prior to the Received date
  - ▶ Inconsistency in EOD\_UN date of MINUSMA with HQ.
- ▶ Non-deployment of ICT assets
- ▶ Receipt of ICT assets after the expiry of Life expectancy period

# Case Studies

1. Creating : Set Working Folder -  
D:\ICT\_ANALYSIS
2. Importing to IDEA: Import Excel file  
CITS-TOTAL-ASSETS-INVENTORY
  - ▶ Check the number of records
3. Properties of Database:
  - ▶ History: Log of all records carried out  
in this database
4. Renaming the file

# Appending Two databases

1. Import Excel files:
  - ▶ MINUSMA - ICT PROCUREMENT REPORT - Detailed by PO No. - COMMS
  - ▶ MINUSMA - ICT PROCUREMENT REPORT - Detailed by PO No. – IT
2. Appending Two above databases – check for number of records



# Appending Two databases

1. Import Excel files:
  - ▶ ICTD -NEP-Universe – 3 Excel sheets
  - ▶ Appending Three sheets
    - check for number of records

# Summarization

- ▶ ICTD -NEP-Universe
  1. Summarize: Destination Location-wise
  2. Summarize: Management category-wise

# Stratification

1. ICTD -NEP-Universe –
2. Stratification based on the EOD\_MISSION date
3. Stratification based on value of the assets

# Joining Two database

**To verify the inconsistency in data having different EOD\_UN dates for the same item (Barcode)**

1. Import Excel files:
  - ▶ CITS-TOTAL-ASSETS-INVENTORY
  - ▶ ICTD- NEPB
2. Join two database using Match Field: Barcode
3. With criteria where barcode is not empty
4. With output selected files



# Direct Extraction

- ▶ Barcode not filled
- ▶ Barcode starting with “PKT”
- ▶ Non\_Expendable\_description with “MOBILE”
- ▶ PO\_DATE is null

# Direct Extraction

- ▶ List of items of Information Technology and Communication assets, which are not deployed as on 30 June 2014
  - ▶ Extracting the status “In Stock” and ISV date beyond 30 June 2014

# Duplicate key detection

- ▶ Table: CITS-TOTAL-ASSETS
- ▶ List of items with same barcode
- ▶ List of items with same Serial number



# Extraction –using Functions

1. Receipt of ICT assets after the expiry of Life expectancy period:
  - ▶ CITS-TOTAL-ASSETS-INVENTORY – create two fields
    - ▶ Difference between EOD\_Mission and EOD\_UN in days.
    - ▶ Deployed after Life Expectancy
  - ▶ Conversion of datatype:: @CTOD(), @AGE(), @VAL(),
  - ▶ Calculation

# Extraction

- ▶ Procurement of ICT Assets
  1. From the MINUSMA-ICT procurement report furnished by the Mission, we observed that in 118 instances Purchase Order date and received date found to be same.
  2. From the MINUSMA-ICT procurement report furnished by the Mission, we observed that in 144 instances Received date is prior to the Purchase Order date

# Systematic Sampling

- ▶ Select ICTD-NEP-ICTD
- ▶ Select Systematic Sample
- ▶ Select sample size for number of records

# Random Sampling

- ▶ Select ICTD-NEP-ICTD
- ▶ Select Simple Random Sample
- ▶ Select sample size for number of records

# Stratified Sampling – using character function

- ▶ Select ICTD-NEP-ICTD
- ▶ Select Stratified Random Sample
- ▶ Perform character stratification
- ▶ Select Field to Stratify (For instance: Management Category)
- ▶ Select sample size for number of records

# Stratified Sampling – using date function

- ▶ Select ICTD-NEP-ICTD
- ▶ Select Stratified Random Sample
- ▶ Perform date stratification
- ▶ Select Field to Stratify (For instance: EOD\_MISSION)
- ▶ Select sample size for number of records