ALE Implementation (step-by-step guide)
ALE CONFIGURATION:

SALE
· Define Logical System
· Assign Client to Logical System
· Define Target Systems for RFC Calls
· Maintain Distribution Model and Distribute Views
· Maintain Partner Profile Manually
· Generate Partner Profiles
· Check Technical Consistency
· Master Data Distribution

IDOC ADMINISTRATION
WE05 - IDoc Lists
WE02 - Display IDoc

DISPLAY STATUS
WE20 - Partner Profile
WE21 - Port Definition
SM59 - RFC Destination
BD71 - Distribute Model

DEVELOPMENT
WE31 - IDoc Segments
WE30 - IDoc Types
WE81 - Message Types
WE82 - IDoc Type / Message
WE57 - Message/Application Object
WE34 - IDoc Styles
WE32 - IDoc Views

CONTROL:
WE41 - Outbound Process Code
WE42 - Inbound Process Code
WE43 - Display Status Record
WE64 - Process Codes

Outbound & inbound operations
BD10 Send Material
BD11 Get Material
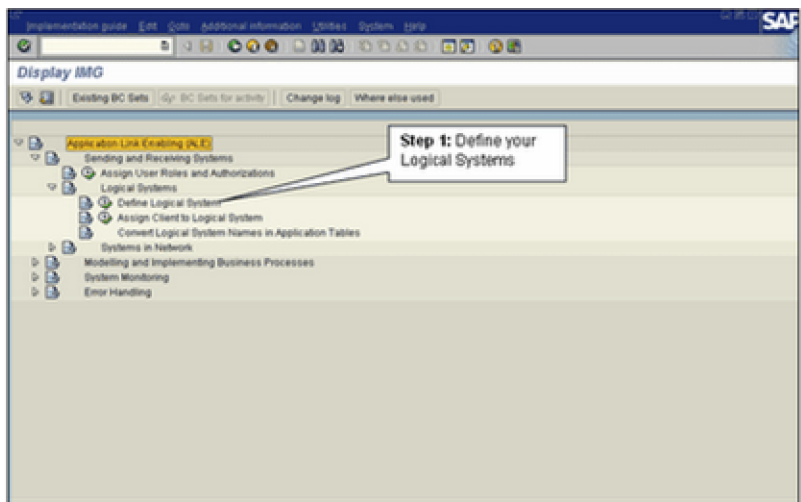BD12 Send customer
BD13 Get customer
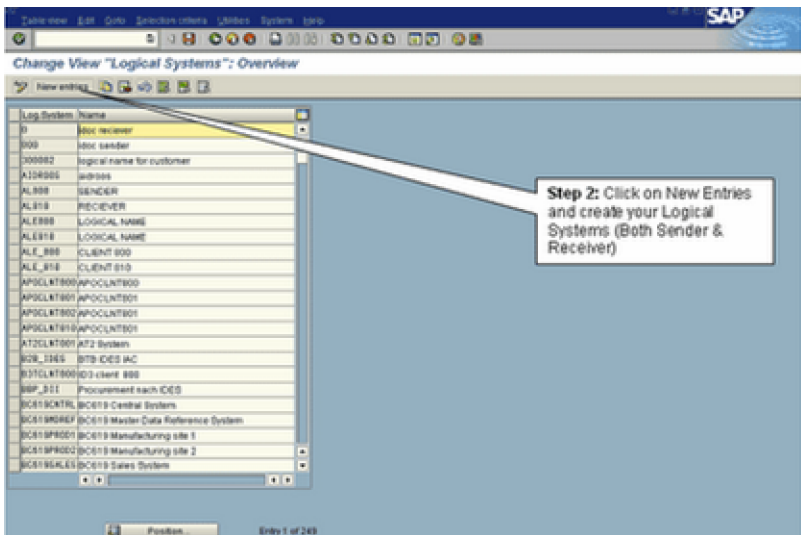BD16 Send Cost Center
BD17 Get Cost Center

BD18 Send General Ledger Account
BD19 Get General Ledger Account

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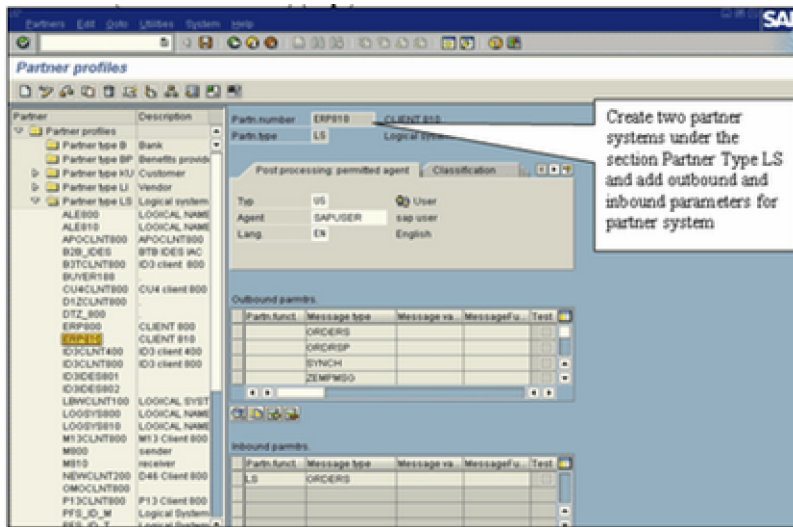
Step-by-step guide with screenshots:

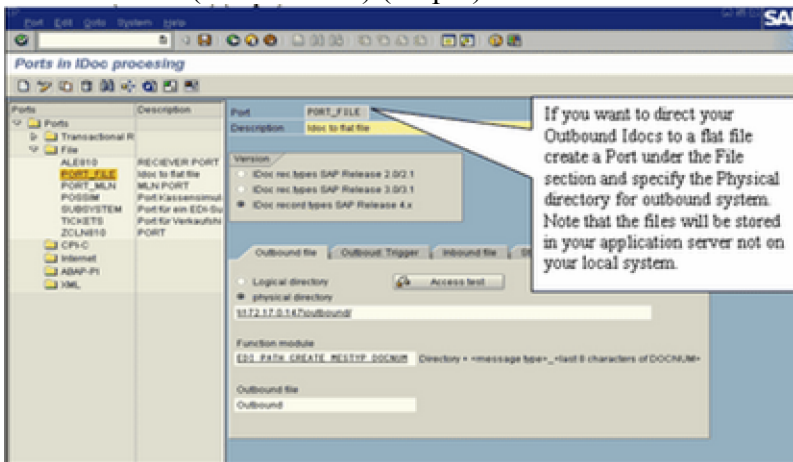Tcode: SALE (ALE Implementation Guide)
Adding your Logical Systems (Step 1)
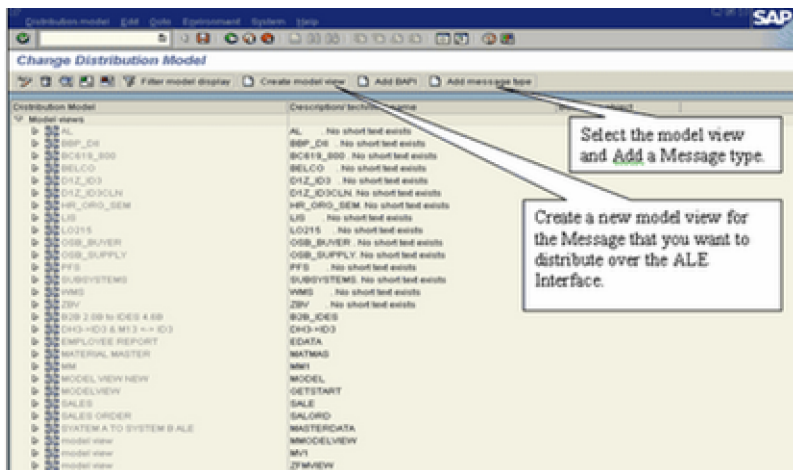

Creating your Logical Systems (Step 2)

Assigning Clients to Logical Systems (Step 3)

Tcode: SM59 (Define RFC Destination) (Step 4)

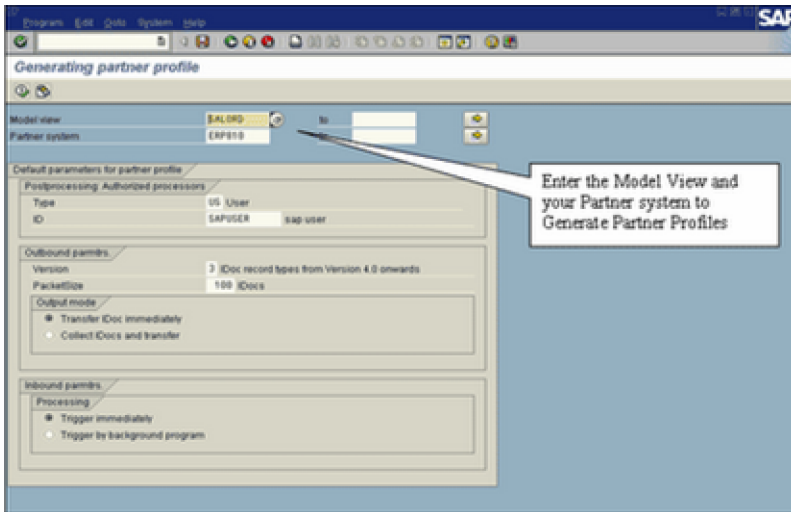Tcode: WE20 (Define Partner Profiles) (Step5)
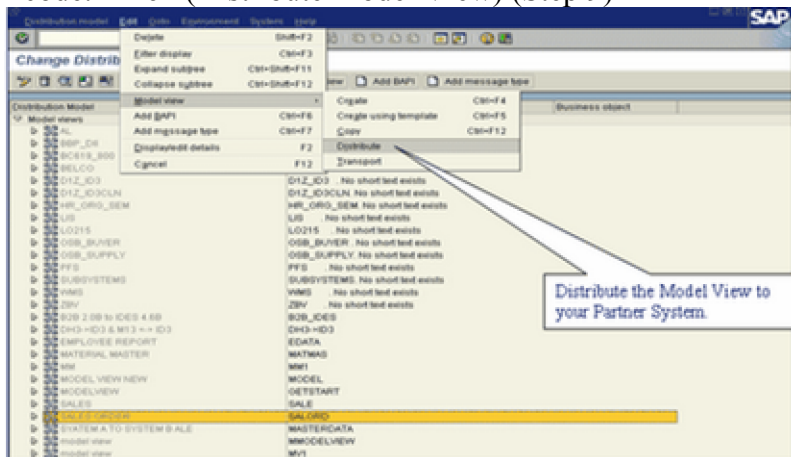
Tcode: WE21 (Define Ports) (Step 6)

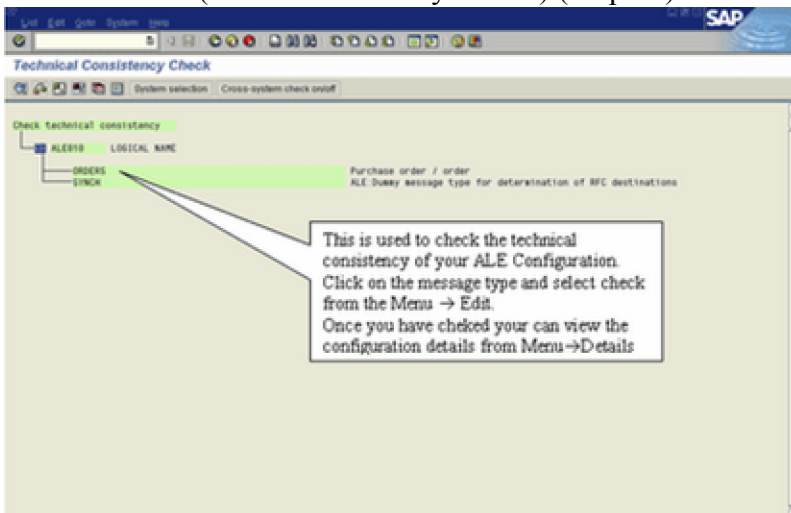Tcode: BD64 (Define and Change Distribution Model) (Step 7)

Tcode: BD82 (Generate Partner Profiles) (Step 8)
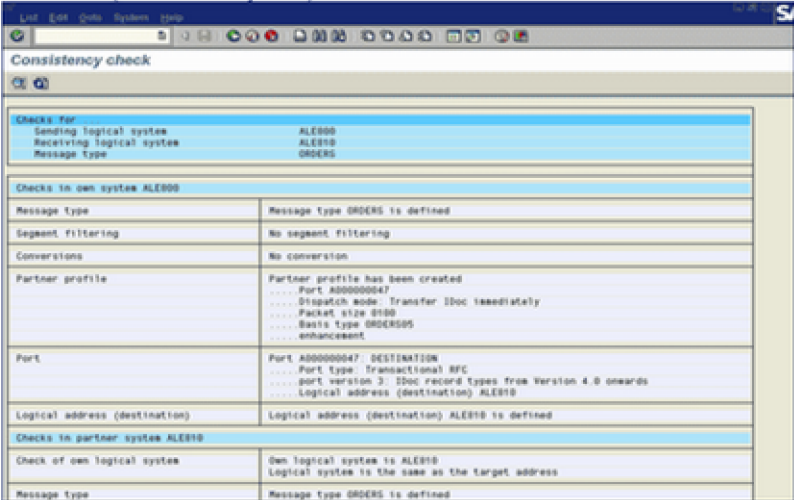
Tcode: BD64 (Distribute Model View) (Step 9)

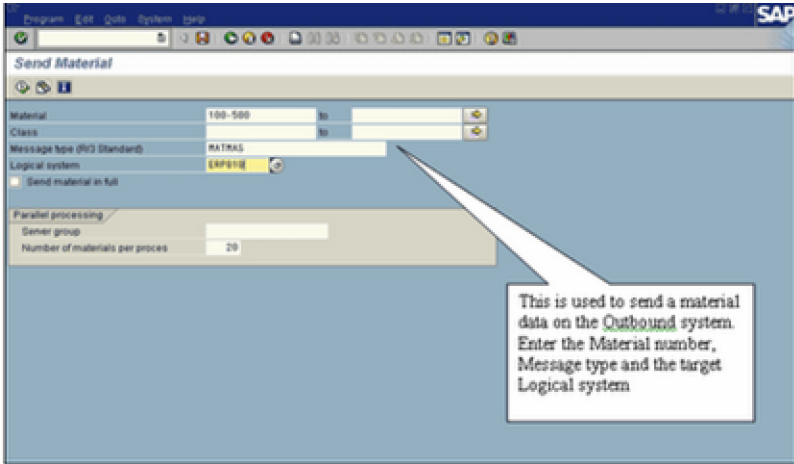Tcode: BDM5 (Check consistency details) (Step 10)

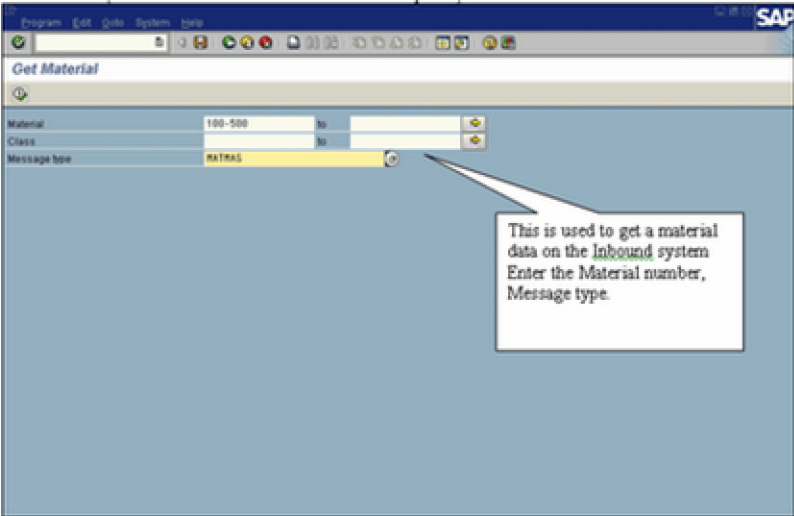Tcode: BDM5 (Check consistency details)

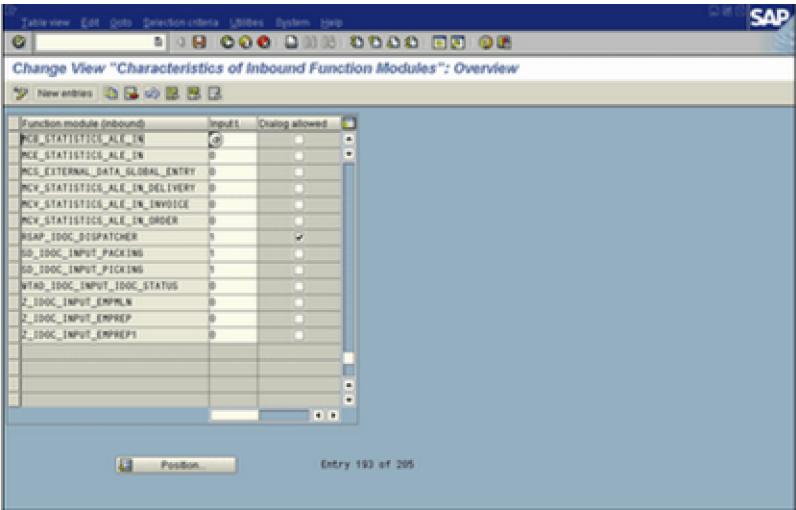 Tcode: BD10 (Send material master on the Outbound system) (Step 11)

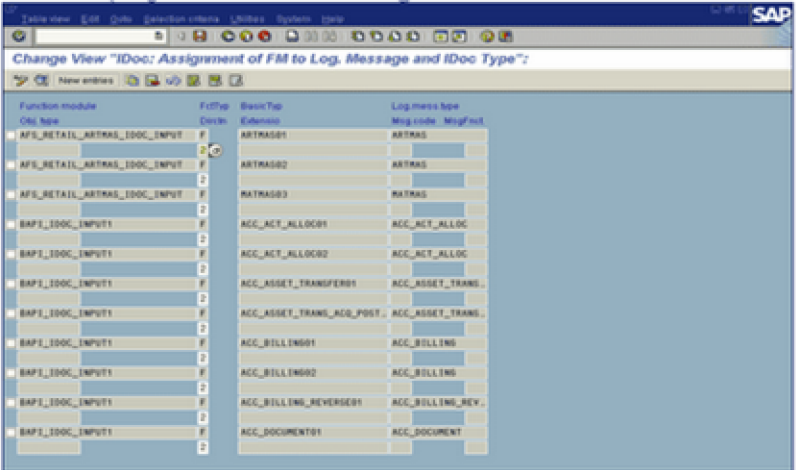Tcode: BD11 (Get the Material Master on the Inbound system)

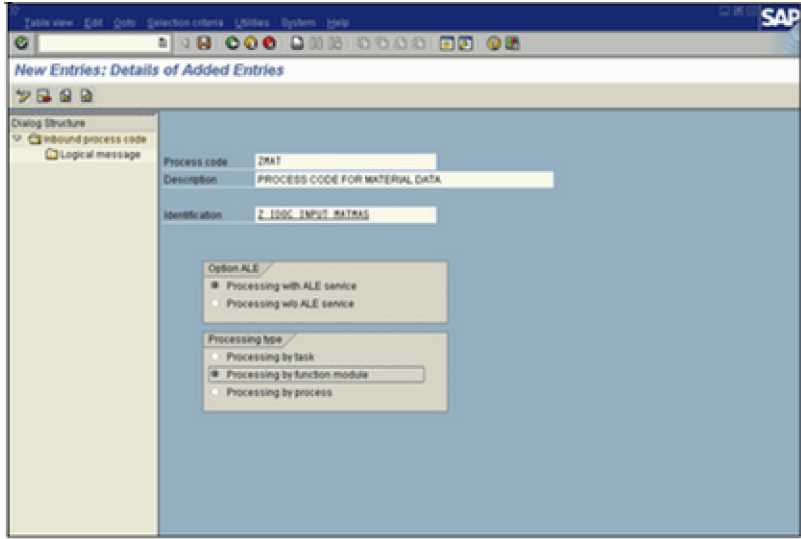 Tcode: BD51 (Define Inbound Function Module)

Tcode: WE57 (Assignment of Function Module to Log)

Tcode: WE42 (Define

Process Code)

Tcode: WE42 (Creating a new Process Code and assigning function module)

Tcode: WE02 (Display IDOC status)

IDOC Creation Steps

To Create Idoc we need to follow these steps:

Create Segment (WE31)
Create Idoc Type (WE30)
Create Message Type (WE81)
Assign Idoc Type to Message Type (WE82)

Creating a SegmentGo to transaction code WE31Enter the name for your segment type and click on the Create iconType the short textEnter the variable names and data elementsSave it and go backGo to Edit -> Set ReleaseFollow steps to create more number of segments

Create IDOC TypeGo to transaction code WE30Enter the Object Name, select Basic type and click Create iconSelect the create new option and enter a description for your basic IDOC type and press enterSelect the IDOC Name and click Create iconThe system prompts us to enter a segment type and its attributes

Choose the appropriate values and press EnterThe system transfers the name of the segment type to the IDOC editor.Follow these steps to add more number of segments to Parent or as Parent-child relationSave it and go backGo to Edit -> Set release

Create Message TypeGo to transaction code WE81Change the details from Display mode to Change modeAfter selection, the system will give this message "The table is cross-client (see Help for further info)". Press EnterClick New Entries to create new Message TypeFill detailsSave it and go back

Assign Message Type to IDoc TypeGo to transaction code WE82Change the details from Display mode to Change modeAfter selection, the system will give this message "The table is cross-client (see Help for further info)". Press Enter.Click New Entries to create new Message Type.Fill detailsSave it and go back