

## Data dictionary activities for E-way bill solution

### I. Domain Creation:

1. Run SE11 transaction and select the option Domain and give the domain name as **J\_1IG\_DOCTYP** and click on **Create** button as shown below,

**ABAP Dictionary: Initial Screen**

Database table

View

Data Type

Type group

Domain J\_1IG\_DOCTYP

Search help

Lock object

Display Change Create

In the next screen give Short Description as '**Document Type**' and in the definition Tab give data type as '**CHAR**' and No. of Places as **4** as shown in the below screen shot

**Dictionary: Display Domain**

Domain J\_1IG\_DOCTYP Active

Short Description Document Type

Properties Definition Value Range

Format

Data Type	CHAR	Character string
No. of Places	4	
Decimal Places	0	

Now save it in the package 'J1I\_GST\_LO' and activate.  
Same way create below Domains,

2. Domain Name: **J\_1IG\_DOCNO**  
Short Description: **Document Number**  
Data Type: **CHAR**  
No.of Places : **10**

**Dictionary: Display Domain**

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Domain  Active

Short Description

Properties Definition Value Range

Format

Data Type	<input type="text" value="CHAR"/>	Character string
No. of Places	<input type="text" value="10"/>	

3. Domain Name: **J\_1IG\_EBILLNO**  
Short Description: **E-Way Bill Number**  
Data Type: **NUMC**  
No.of Places : **12**

**Dictionary: Display Domain**

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Domain  Active

Short Description

Properties Definition Value Range

Format

Data Type	<input type="text" value="NUMC"/>	Numerical text
No. of Places	<input type="text" value="12"/>	

4. Domain Name: **J\_1IG\_STAT**  
 Short Description: **E-way Bill Status**  
 Data Type: **CHAR**  
 No.of Places : **1**

**Dictionary: Display Domain**

Domain: J\_1IG\_STAT Active

Short Description: E-way Bill Status

Properties Definition Value Range

Format

Data Type	CHAR	Character string
No. of Places	1	
Decimal Places	0	

Now go to **Value Range Tab** and add below entries save and activate

**Dictionary: Display Domain**

Domain: J\_1IG\_STAT

Short Description: E-way Bill Status

Properties Definition Value Range

Values

I	Fixed	Short Descript.
	A	Active
	C	Cancelled
	E	Expired

## II. Data Element Creation

1. Run SE11 transaction and select the option Data Type and give the data element name as **J\_1IG\_DOCTYP** and click on **Create** button as shown below,

**ABAP Dictionary: Initial Screen**

Database table

View

Data Type

Type group

Domain

Search help

Lock object

In the next screen select Data Element option and click on continue button

**Create Type J\_1IG\_DOCTYP**

Data element

Structure

Table type

In the next screen give Short Description as **'Document Type'** and in **Data Type** Tab add domain **'J\_1IG\_DOCTYP'** as shown in the screenshot

Data Element: J\_1IG\_DOCTYP Active

Short Description: Document Type

Attributes | Data Type | Further Attributes | Field Labels

Elementary type

Domain

J 1IG DOCTYP

Data Type	CHAR	Chara
Length	4	

Now go to **Field Labels** Tab and add below field labels as give in the screen shot save and active in the package 'J1I\_GST\_LO'

Data Element: J\_1IG\_DOCTYP

Short Description: Document Type

Attributes | Data Type | Further Attributes | Field Labels

	Length	Field Label
Short	10	Doc Type
Medium	20	Document Type
Long	40	Document Type
Heading	55	Document Type

Similarly create below Data Elements,

2. Data Element: **J\_1IG\_DOCNO**  
 Short Description: **Document Number**  
 Domain: **J\_1IG\_DOCNO**

Refer below screen shots

Data Element: J\_1IG\_DOCNO

Short Description: Document Number

Attributes | Data Type | Further Attributes | Field Labels

Elementary type

Domain

J 1IG DOCNO

Data Type	CHAR
Length	10

Data Element	J_1IG_DOCNO		Acti
Short Description	Document Number		
	Attributes	Data Type	Further Attributes
	Field Labels		
		Length	Field Label
Short		10	Doc No
Medium		20	Document No
Long		40	Document Number
Heading		55	Document Number

### 3. Data Element: J\_1IG\_EBILLNO

Short Description: **E-way Bill Number**

Domain: **J\_1IG\_EBILLNO**

Refer below screen shots

Data Element	J_1IG_EBILLNO	
Short Description	E-way Bill Number	
	Attributes	Data Type
	Further Attributes	
	Field Labels	
<input checked="" type="radio"/> Elementary type <input checked="" type="radio"/> Domain		
		J_1IG_EBILLNO
	Data Type	NUMC
	Length	12

Data Element	J_1IG_EBILLNO		A
Short Description	E-way Bill Number		
	Attributes	Data Type	Further Attributes
	Field Labels		
		Length	Field Label
Short		10	E-Way Bill
Medium		20	E-WAY Bill No
Long		40	E-WAY Bill Number
Heading		55	E-WAY Bill Number

4. Data Element: **J\_1IG\_EGENDAT**  
 Short Description: **E-way Bill Generation Date**  
 Domain: **DATUM**

Refer below screen shots

Data Element: J\_1IG\_EGENDAT Active

Short Description: E-way Bill Generation Date

Attributes | **Data Type** | Further Attributes | Field Labels

Elementary type

Domain: DATUM

Data Type: DATS Date

Length: 8

Data Element: J\_1IG\_EGENDAT

Short Description: E-way Bill Generation Date

Attributes | **Data Type** | Further Attributes | **Field Labels**

	Length	Field Label
Short	10	Ebill Gen
Medium	20	Ebill gen dat
Long	40	E-WAY Bill Generation Date
Heading	55	E-WAY Bill Generation Date

5. Data Element: **J\_1IG\_EGENTIME**  
 Short Description: **E-Way Bill Generation Time**  
 Domain: **UZEIT**

Refer below screen shots

Data Element: J\_1IG\_EGENTIME Active

Short Description: E-Way Bill Generation Time

Attributes | **Data Type** | Further Attributes | Field Labels

Elementary type

Domain: UZEIT

Data Type: TIMS Time

Length: 6

Data Element: J\_1IG\_EGENTIME Active

Short Description: E-Way Bill Generation Time

Attributes | Data Type | Further Attributes | Field Labels

	Length	Field Label
Short	10	Ebill Time
Medium	20	Ebill Gen Time
Long	40	E-WAY Bill Generation Time
Heading	55	E-WAY Bill Generation Time

6. Data Element: **J\_1IG\_VDFMDATE**  
 Short Description: **Valid From Date**  
 Domain: **DATUM**

Refer below screen shots

Data Element: J\_1IG\_VDFMDATE Active

Short Description: Valid From Date

Attributes | Data Type | Further Attributes | Field Labels

Elementary type

Domain: DATUM

Data Type: DATS Date in fo

Length: 8

Built-in type

Data Type:

Length: 0

Data Element: J\_1IG\_VDFMDATE Active

Short Description: Valid From Date

Attributes | Data Type | Further Attributes | Field Labels

	Length	Field Label
Short	10	Valid From
Medium	20	Valid From Date
Long	40	Valid From Date
Heading	55	E-Way Bill Valid From Date



7. Data Element: **J\_1IG\_VDFMTIME**  
 Short Description: **Valid From Time**  
 Domain: **UZEIT**

Refer below screen shots

Data Element: J\_1IG\_VDFMTIME Active

Short Description: Valid From Time

Attributes | **Data Type** | Further Attributes | Field Labels

Elementary type

Domain: UZEIT

Data Type: TIMS Time in

Length: 6

Data Element: J\_1IG\_VDFMTIME Active

Short Description: Valid From Time

Attributes | **Data Type** | Further Attributes | **Field Labels**

	Length	Field Label
Short	10	Valid From
Medium	20	Valid From Time
Long	40	Valid From Time
Heading	55	E-Way Bill Valid From Time

8. Data Element: **J\_1IG\_VDTODATE**  
 Short Description: **Valid To Date**  
 Domain: **DATUM**

Refer below screen shots

Data Element: J\_1IG\_VDTODATE Active

Short Description: Valid To Date

Attributes | **Data Type** | Further Attributes | Field Labels

Elementary type

Domain: DATUM

Data Type: DATS Date

Length: 8

Data Element: J\_1IG\_VDTODATE

Short Description: Valid To Date

Attributes | Data Type | Further Attributes | Field Labels

	Length	Field Label
Short	10	Valid To
Medium	20	Valid To Date
Long	40	Valid To Date
Heading	55	E-Way Bill Valid To Date

9. Data Element: **J\_1IG\_VDTOTIME**

Short Description: **Valid To Time**

Domain: **UZEIT**

Refer below screen shots

Data Element: J\_1IG\_VDTOTIME Active

Short Description: Valid To Time

Attributes | Data Type | Further Attributes | Field Labels

Elementary type

Domain: UZEIT

Data Type: TIMS Time

Length: 6

Data Element: J\_1IG\_VDTOTIME Active

Short Description: Valid To Time

Attributes | Data Type | Further Attributes | Field Labels

	Length	Field Label
Short	10	Valid To
Medium	20	Valid To Time
Long	40	Valid To Time
Heading	55	E-Way Bill Valid To Time

10. Data Element: **J\_1IG\_STAT**

Short Description: **E-Way Bill Status**

Domain: **J\_1IG\_STAT**

Refer below screen shots

Data Element: J\_1IG\_STAT Active

Short Description: E-Way Bill Status

Attributes | **Data Type** | Further Attributes | Field Labels

Elementary type  
 Domain

J\_1IG\_STAT

Data Type: CHAR  
Length: 1

Data Element: J\_1IG\_STAT Active

Short Description: E-Way Bill Status

Attributes | **Data Type** | Further Attributes | **Field Labels**

	Length	Field Label
Short	10	Ebill Stas
Medium	20	Ebill Status
Long	40	E-WAY Bill Status
Heading	55	E-WAY Bill Status

### III. Table Creation

1. Run SE11 transaction and select the option **Data Base Table** and give the table name as '**J\_1IG\_EWAYBILL**' and click on **Create** button as shown below,

The screenshot shows the SAP SE11 transaction table creation screen. The 'Database table' radio button is selected, and the table name 'J\_1IG\_EWAYBILL' is entered in the adjacent field. The 'Create' button at the bottom right is highlighted with a red rectangle.

In the next screen give Short Description as '**Link E-Way Bill to Document**'

Now go to **Delivery and Maintenance** Tab and main the information as mentioned in the screen shot

The screenshot shows the SAP SE11 transaction 'Delivery and Maintenance' tab. The 'Delivery Class' is set to 'A' with the description 'Application table (master and transaction data)'. The 'Data Browser/Table View Editing' field is set to 'Display/maintenance allowed with restrictions'.

Now go to Fields Tab and enter the below fields and mark the key fields as given in the screen shot

Transparent Table **J\_1IG\_EWAYBILL** Active

Short Description Link E-Way Bill to Document

Attributes Delivery and Maintenance **Fields** Input Help/Check Currency/Quantity Fields

Search Built-In Type 17

Field	Key	Initi...	Data Element	Data Type	Length	Decim...	Short Description
MANDT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MANDT	CLNT		3	0 Client
BUKRS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BUKRS	CHAR		4	0 Company Code
DOCTYP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	J_1IG_DOCTYP	CHAR		4	0 Document Type
DOCNO	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	J_1IG_DOCNO	CHAR		10	0 Document Number
GJAHR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GJAHR	NUMC		4	0 Fiscal Year
EBILLNO	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	J_1IG_EBILLNO	NUMC		12	0 E-way Bill Number
EGEN_DAT	<input type="checkbox"/>	<input type="checkbox"/>	J_1IG_EGENDAT	DATS		8	0 E-way Bill Generation Date
EGEN_TIME	<input type="checkbox"/>	<input type="checkbox"/>	J_1IG_EGENTIME	TIMS		6	0 E-Way Bill Generation Time
VDFMDATE	<input type="checkbox"/>	<input type="checkbox"/>	J_1IG_VDFMDATE	DATS		8	0 Valid From Date
VDFMTIME	<input type="checkbox"/>	<input type="checkbox"/>	J_1IG_VDFMTIME	TIMS		6	0 Valid From Time
VDTODATE	<input type="checkbox"/>	<input type="checkbox"/>	J_1IG_VDTODATE	DATS		8	0 Valid To Date
VDTOTIME	<input type="checkbox"/>	<input type="checkbox"/>	J_1IG_VDTOTIME	TIMS		6	0 Valid To Time
STATUS	<input type="checkbox"/>	<input type="checkbox"/>	J_1IG_STAT	CHAR		1	0 E-Way Bill Status
ERNAM	<input type="checkbox"/>	<input type="checkbox"/>	ERNAM	CHAR		12	0 Name of Person Who Created Object
ERDAT	<input type="checkbox"/>	<input type="checkbox"/>	ERDAT	DATS		8	0 Date on Which Record Was Created
AENAM	<input type="checkbox"/>	<input type="checkbox"/>	AENAM	CHAR		12	0 Name of Person Who Changed Object
AEDAT	<input type="checkbox"/>	<input type="checkbox"/>	AEDAT	DATS		8	0 Last Changed On

<b>Field</b>	<b>Data Element</b>
MANDT	MANDT
BUKRS	BUKRS
DOCTYP	J_1IG_DOCTYP
DOCNO	J_1IG_DOCNO
GJAHR	GJAHR
EBILLNO	J_1IG_EBILLNO
EGEN_DAT	J_1IG_EGENDAT
EGEN_TIME	J_1IG_EGENTIME
VDFMDATE	J_1IG_VDFMDATE
VDFMTIME	J_1IG_VDFMTIME
VDTODATE	J_1IG_VDTODATE
VDTOTIME	J_1IG_VDTOTIME
STATUS	J_1IG_STAT
ERNAM	ERNAM
ERDAT	ERDAT
AENAM	AENAM
AEDAT	AEDAT

Now go to Technical Settings as shown below screen shot,

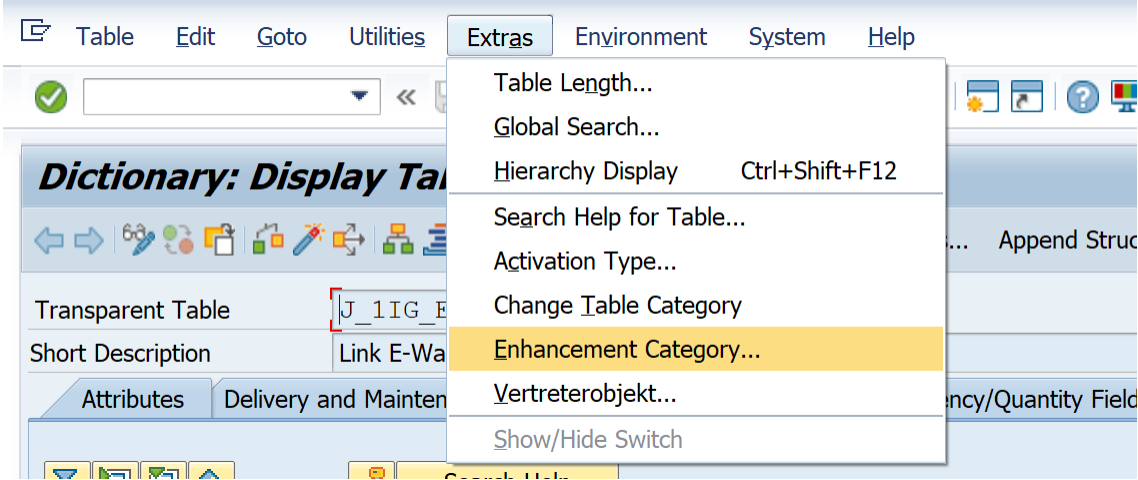
The screenshot shows the 'Dictionary: Display Table' window. The 'Technical Settings' tab is highlighted with a red box. The 'Transparent Table' field contains 'J\_1IG\_EWAYBILL' and is also highlighted with a red box. The 'Short Description' is 'Link E-Way Bill to Document'. The bottom navigation bar includes 'Attributes', 'Delivery and Maintenance', 'Fields', and 'Input Help/Check'.

And maintain below information as per the screen shot,

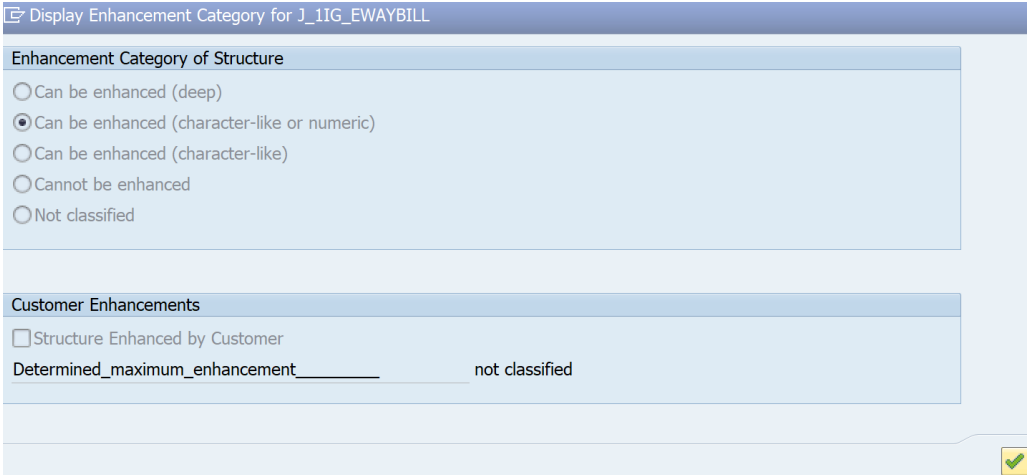
The screenshot shows the 'Dictionary: Display Technical Settings' window. The 'Name' field contains 'J\_1IG\_EWAYBILL' and is highlighted with a red box. The 'Description' is 'Link E-Way Bill to Document'. The 'Last Changed' field shows 'BHOVI' and '05.02.2018'. The 'Status' field shows 'Actv.' and 'saved'. The 'General Properties' tab is selected, showing 'Logical Memory Parameters' with 'Data Class' 'APPL1' and 'Size Category' '4'. The 'Buffering' section has 'Buffering not allowed' selected. The 'Buffering Type' section has 'Number of Key Fields' set to '0'.

Now save and activate in package 'J1I\_GST\_LO'

Go to Extras -> Enhancement Category as shown below



And select below option as given in the screen shot and click on continue save and activate



#### IV. Table Type Creation:

1. Run SE11 transaction and select the option **Data Type** and give the table type name as '**J\_1IG\_EWAYBILL\_TT**' and click on **Create** button as shown below,

The screenshot shows the 'Create Type' dialog box in SAP. It has several radio button options: 'Database table', 'View', 'Data Type', 'Type group', 'Domain', 'Search help', and 'Lock object'. The 'Data Type' option is selected. The text 'J\_1IG\_EWAYBILL\_TT' is entered in the text field next to it. Below the options are three buttons: 'Display', 'Change', and 'Create'. The 'Create' button is highlighted with a red rectangle.

In the next screen select '**Table Type**' option,

The screenshot shows the 'Create Type J\_1IG\_EWAYBILL\_TT' dialog box. It has three radio button options: 'Data element', 'Structure', and 'Table type'. The 'Table type' option is selected. At the bottom right, there are two buttons: a green checkmark and a red 'X'.

Now give short description as '**Table Type for E-Way Bill Table**'



Now go to Row Type Tab and give Row type as 'J\_1IG\_EWAYBILL' save and activate in the package 'J1I\_GST\_LO'. Refer the screen shot below,

Table Type	J_1IG_EWAYBILL_TT	Active
Short Text	Table Type for E-Way Bill Table	
<b>Attributes</b>   <b>Row Type</b>   Initialization and Access   Primary Key   Secondary Key		
<input checked="" type="radio"/> Row type	<input type="text" value="J 1IG EWAYBILL"/> <input type="button" value="..."/>	
<input type="radio"/> Built-in type		
Data Type	<input type="text"/>	
No. of Characters	<input type="text" value="0"/>	Decimal Places <input type="text" value="0"/>