

Slide 1 - Slide 1

Gummy Hoops Inc.
 PO Box 10555 0046 Centurion South Africa ZAR
 Tel +27 12 320 4555 hello@gummyhoops.hoop.com www.gummyhoops.hoop.com

Tax Invoice 01.100830-779 Account: 01020 Tax No 442276354
 Tax Registration No 44444444445 Currency: \$
 Date: 30/08/2010

DOORNKLOOF TEACHERS' ASSOCIATION
 11010 - 142 STREET
 Centurion

<u>Date</u>	<u>Description</u>	<u>Document</u>	<u>Quantity</u>	<u>\$ Amount Incl</u>	<u>Tax</u>
30/08/2010	NIKON COOLPIX 8800	3007174	1	175.38	21.54
30/08/2010	NIKON EN-EL3 BATTERY	3007232	1	7.89	0.97
Before Tax				160.76	
Tax				22.51	
Inclusive Total				183.27	

Terms:

Slide notes

We will be looking at a Tag Template that we can use to retrieve a Numeric Value from a Direct Data Source. Rather than by name, this Template retrieves the data by Field Number. In the Invoice Report that we show here, there is a Unit, but we are interested in the Values outside of the Unit, because those are the Values that we address by the Alpha and Numeric from Direct Data Source Templates.

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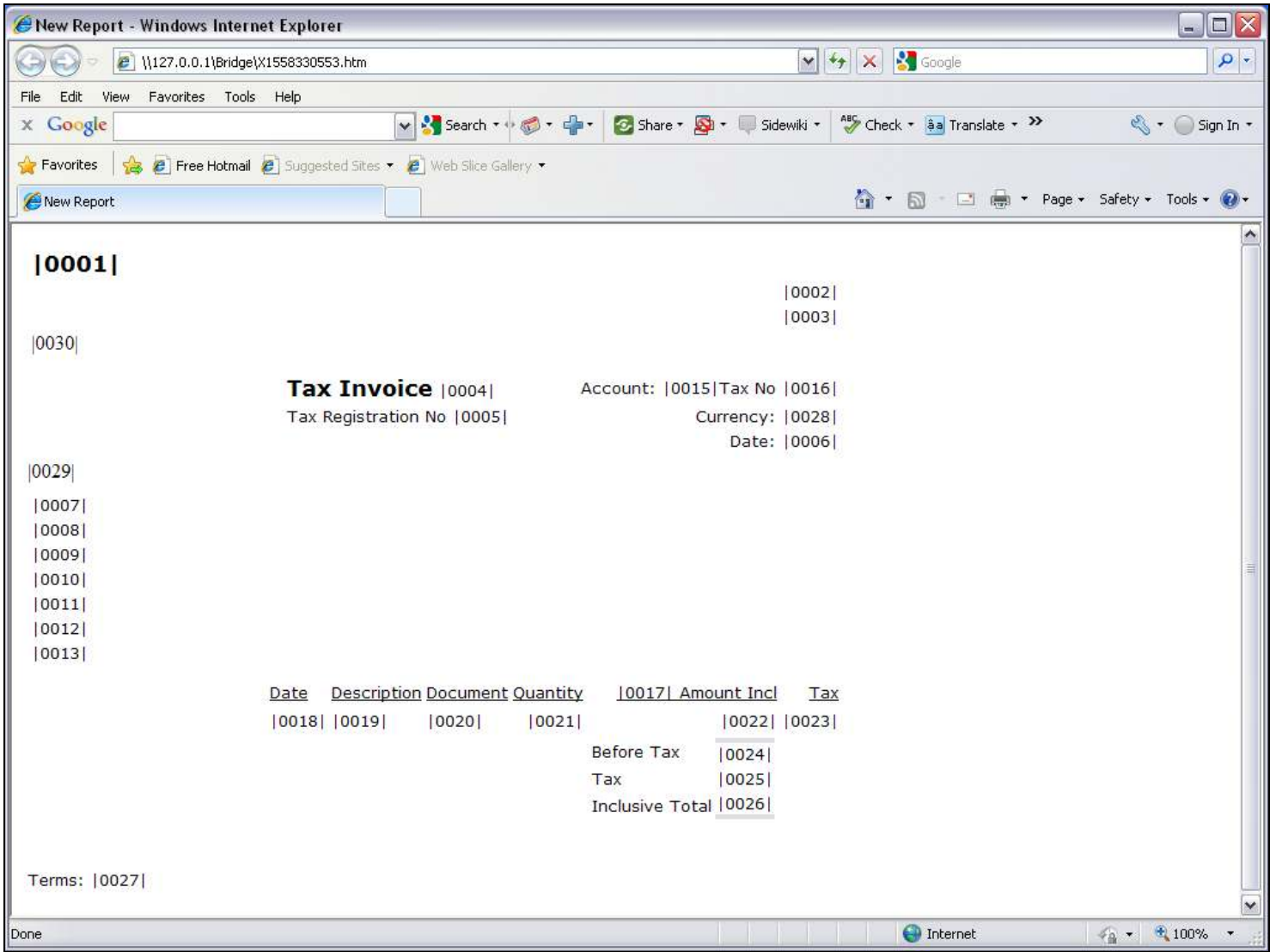
Date	Description	Document	Quantity	\$ Amount Incl	Tax
30/08/2010	NIKON COOLPIX 8800	3007174	1	175.38	21.54
30/08/2010	NIKON EN-EL3 BATTERY	3007232	1	7.89	0.97
			Before Tax	160.76	
			Tax	22.51	
			Inclusive Total	183.27	

Terms:

Slide notes

The Tax Total on this Invoice is an example of a Numeric Value that we extract.

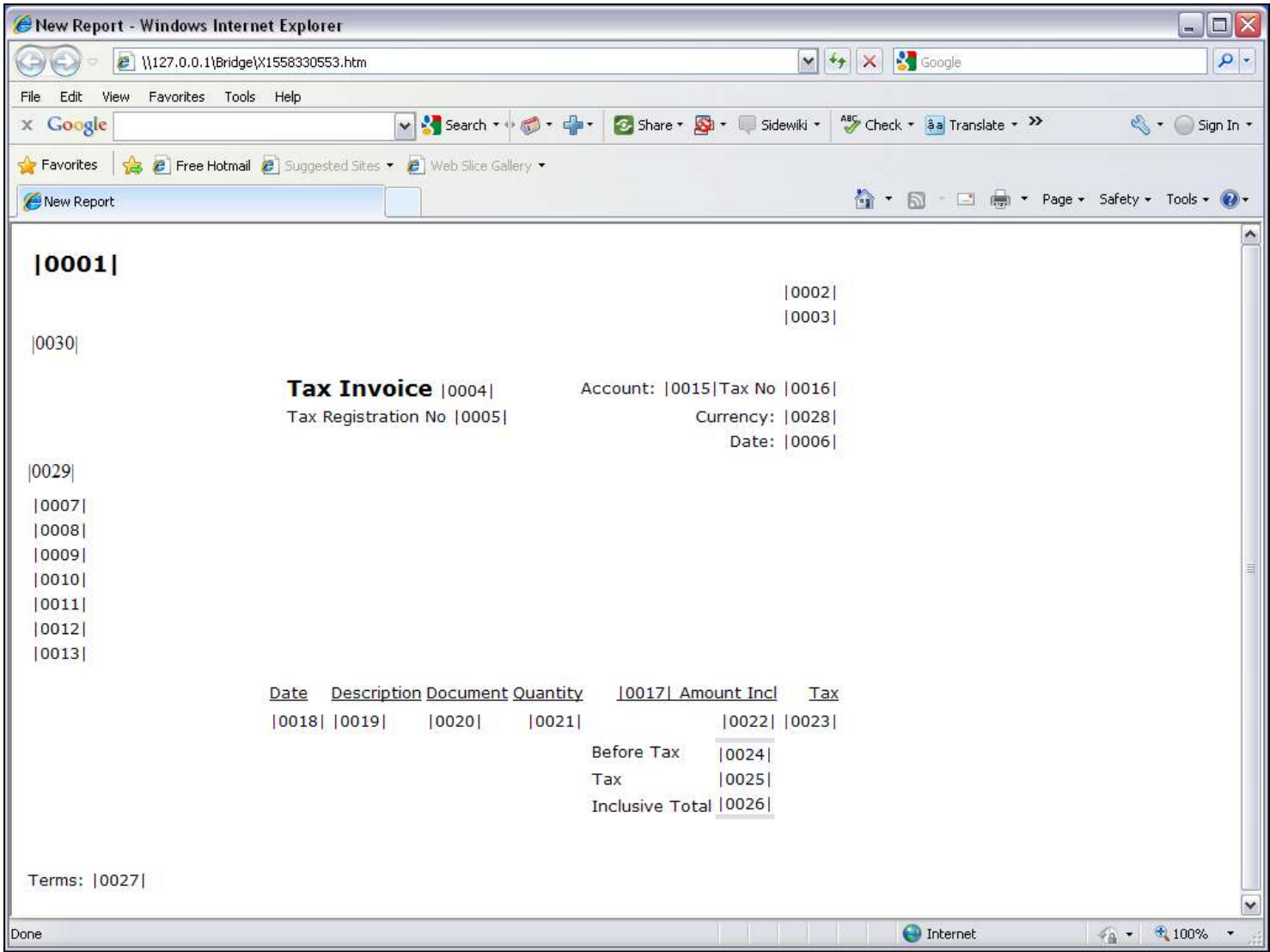
Slide 3 - Slide 3



Slide notes

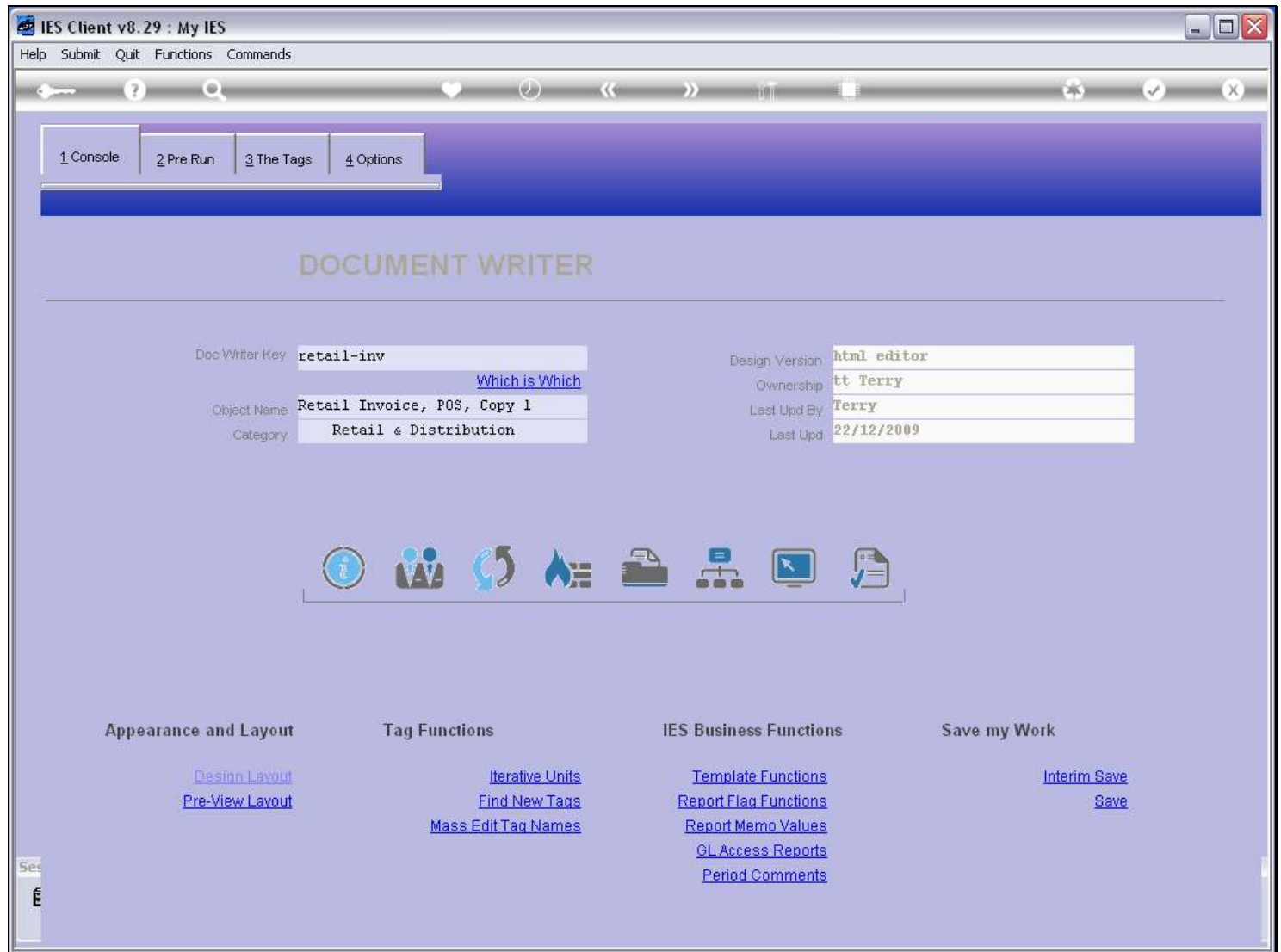
On the Report Layout, the Tax Total is Tag 25.

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Slide notes

Slide 5 - Slide 5



Slide notes

Slide 6 - Slide 6

IES Client v8.29 : My IES

Help Submit Quit Functions Commands

1 Console2 Pre Run3 The Tags4 Options

Tag Result Macros: -

	>>> Tags	Value Names	Exec It
1	0001	Company Name	1
2	0002	Company Address	1
3	0003	Company Contact	1
4	0030	Line	1
5	0004	Invoice Number	1
6	0015	Customer Account Code	1
7	0016	Customer Tax Number	1
8	0005	Company Tax Number	1
9	0028	Currency	1
10	0006	Invoice Date	1
11	0029	Line	1
12	0007	Customer Name	1
13	0008	Customer Address	1
14	0009	Customer Address	1
15	0010	Customer Address	1
16	0011	Customer Address	1
17	0012	Customer Address	1
18	0013	Customer Address	1
19	0014	Line	1
20	0017	Currency	1
21	0018	Unit Call	1
22	0019	*** unit dependent	1
23	0020	*** unit dependent	1
24	0021	*** unit dependent	1
25	0022	*** unit dependent	1

NexPreAddInsEdDel

Where is that tag !

Select from Tag List

Search for Tag Number

Search for Tag Name

Current Tag Focus: -

Row12

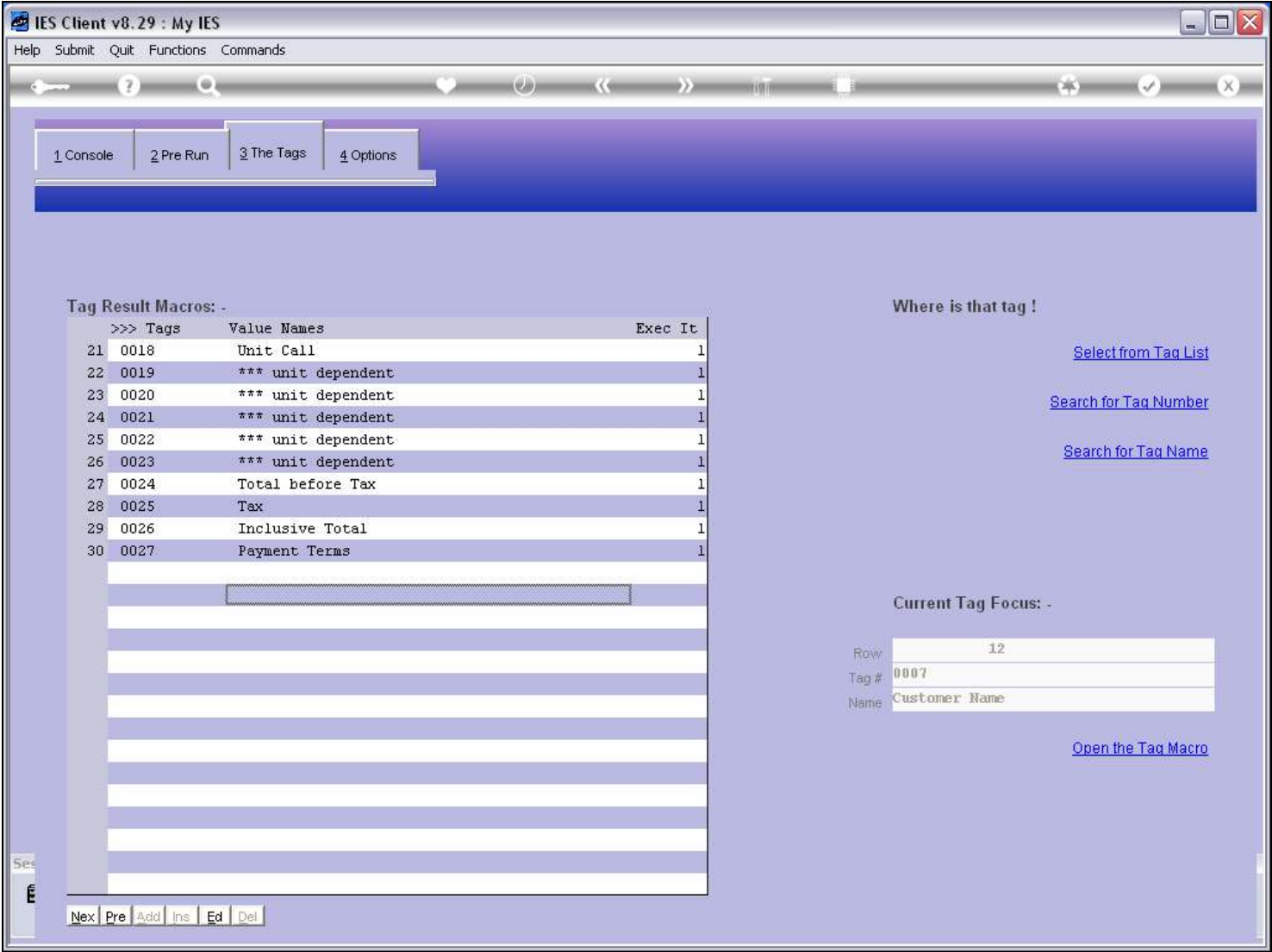
Tag #0007

NameCustomer Name

Open the Tag Macro

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Slide notes

Slide 8 - Slide 8

The screenshot shows the IES Client v8.29: My IES window. The main area displays the configuration for 'TEMPLATE 016: Numeric from Data Source'. The configuration is organized into two columns of fields and a central area with buttons.

Left Column Fields:

- TAG #: 0025
- Name: Tax
- Data Source #: DOCWRITESPRE
- Data Field #: 31
- Multi Value #: 1
- Accumulate to WQ: working var 1

Right Column Fields:

- Tag Addressing: relative
- Financial Scaling: l: no scaling
- Rounding for Numbers: l: do not apply rounding
- Display Mask: mr22,
- Alignment: r: right justified
- Result Width: 21
- Bold?: normal
- Underline?: normal
- ☐ Sign Convert? (+/-)
- Tag Result: always return a result
- Operator: =
- Conditional Value:

Central Buttons:

- [Remove Template](#)
- [Copy Template](#)
- [Reveal Logic](#)
- [Save](#)

Session Info: Terry is using IES

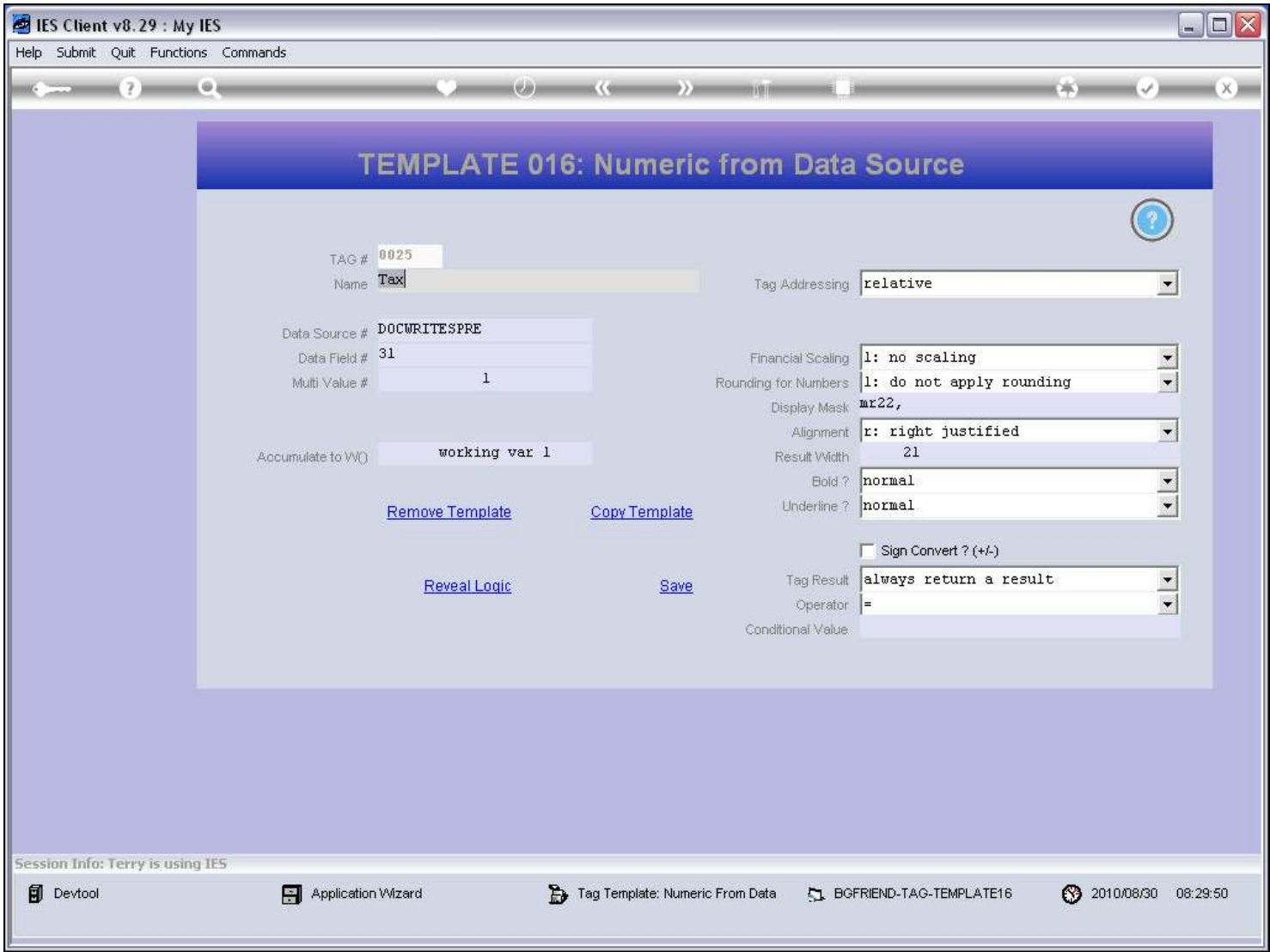
Bottom Bar:

- Devtool
- Application Wizard
- Tag Template: Numeric From Data
- BGFRIEND-TAG-TEMPLATE16
- 2010/08/30 08:29:50

Slide notes

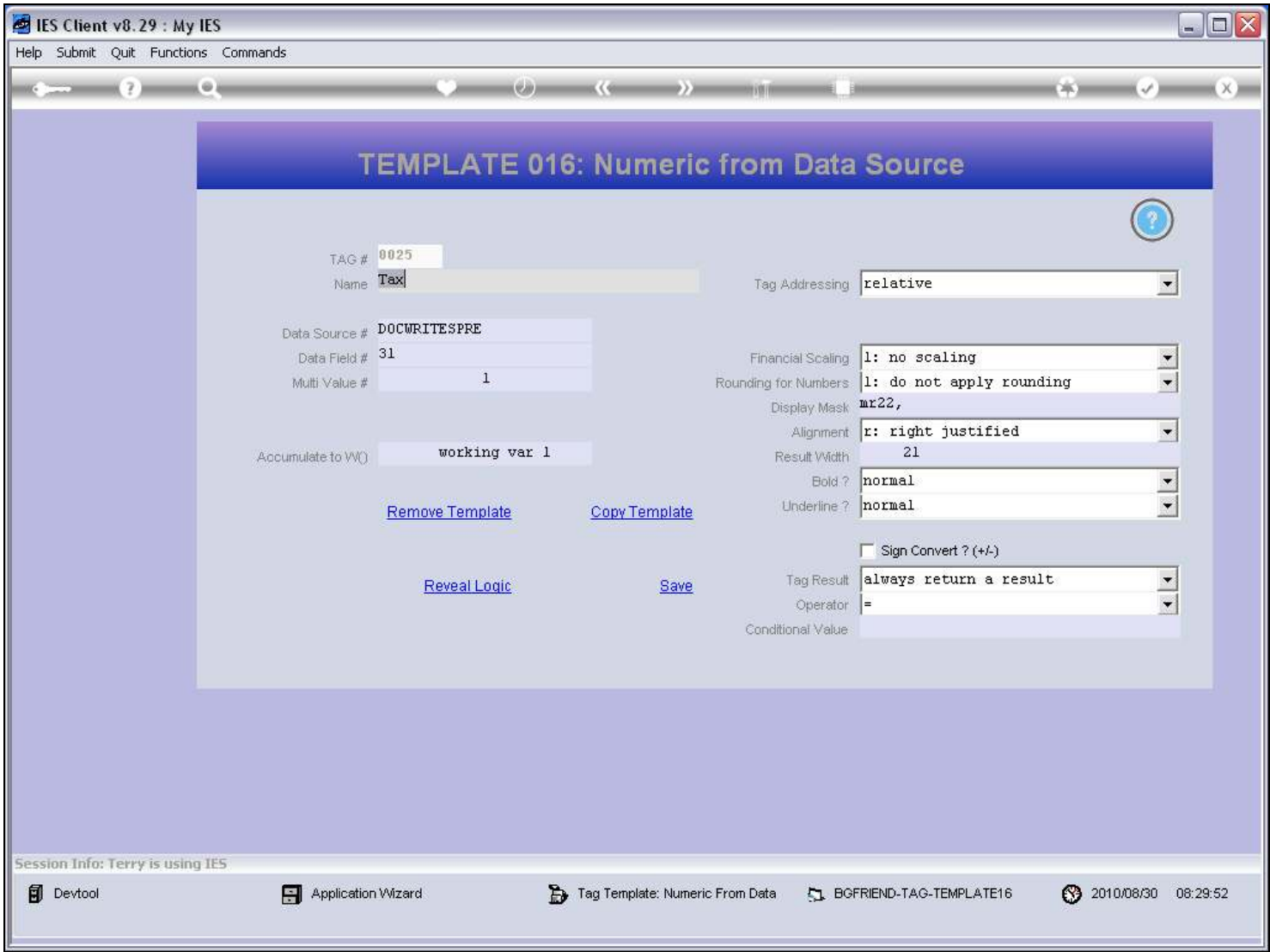
Here we can see the use of the Template for Numeric Value extracted direct from a Data Source, and not by Name but rather by Field number.

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Slide notes

Slide 10 - Slide 10



Slide notes

Slide 11 - Slide 11

The screenshot shows the IES Client v8.29: My IES interface. The main window displays the configuration for 'TEMPLATE 016: Numeric from Data Source'. The interface includes a menu bar (Help, Submit, Quit, Functions, Commands) and a toolbar with various icons. The configuration is organized into several sections:

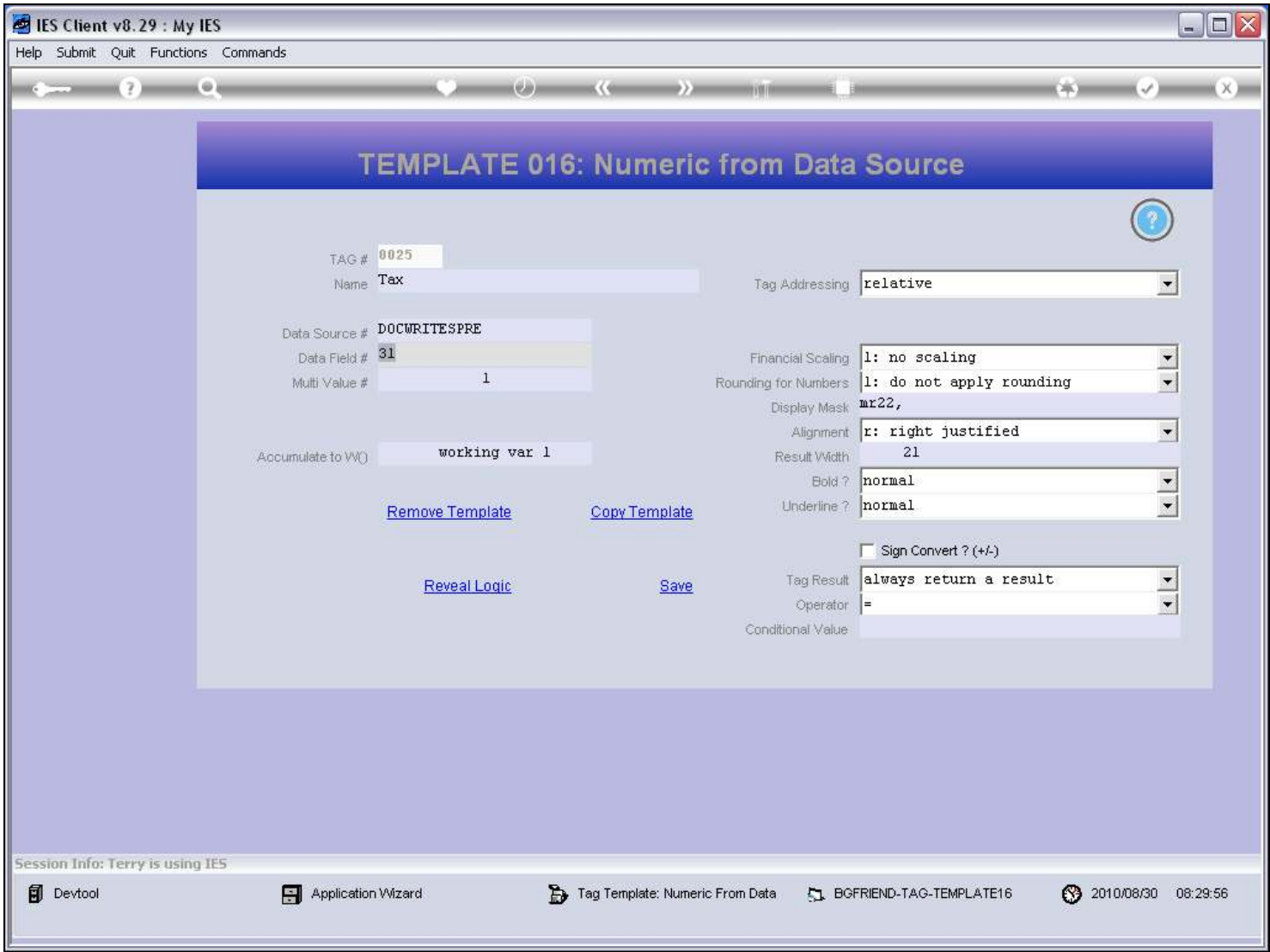
- Tag Information:** TAG # 0025, Name Tax, Tag Addressing relative.
- Data Source Information:** Data Source # 1, Data Field # 31, Multi Value # 1.
- Accumulate to WQ:** working var 1.
- Financial Scaling:** l: no scaling.
- Rounding for Numbers:** l: do not apply rounding.
- Display Mask:** mr22,.
- Alignment:** r: right justified.
- Result Width:** 21.
- Bold ?** normal.
- Underline ?** normal.
- Sign Convert ? (+/-)** (unchecked).
- Tag Result:** always return a result.
- Operator:** =.
- Conditional Value:** (empty).

Buttons for 'Remove Template', 'Copy Template', 'Reveal Logic', and 'Save' are located below the 'Accumulate to WQ' section. The bottom status bar shows 'Session Info: Terry is using IES' and a list of open applications: Devtool, Application Wizard, Tag Template: Numeric From Data, and BGFRIEND-TAG-TEMPLATE16. The date and time are 2010/08/30 08:29:54.

Slide notes

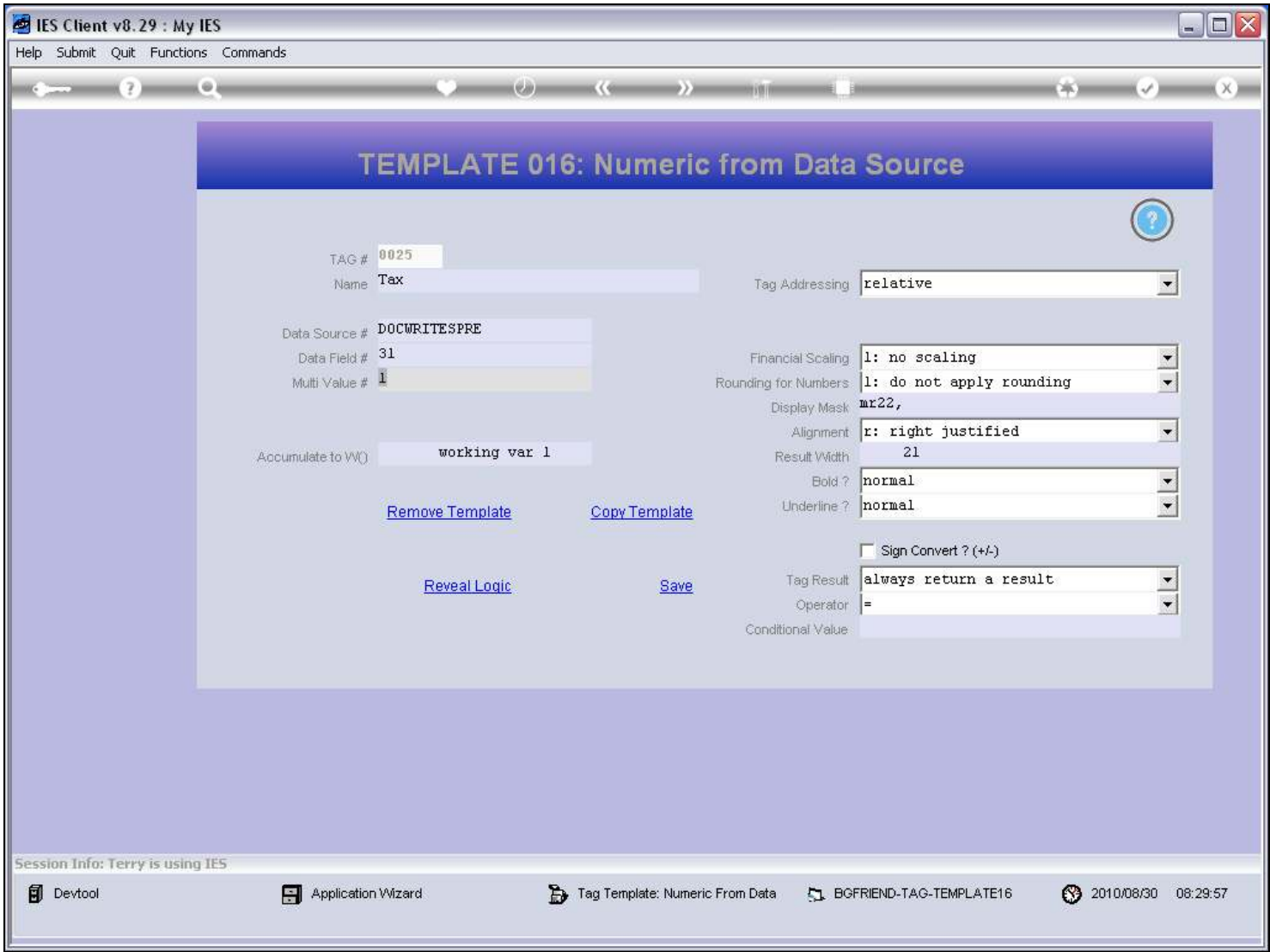
In this case, the Tax Total comes from Field number 31.

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Slide notes

Slide 13 - Slide 13



Slide notes

[illegible]

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IES Client v8.29 : My IES

Help Submit Quit Functions Commands

1 Console 2 Pre Run 3 The Tags 4 Options

Tag Result Macros: -

>>>	Tags	Value Names	Exec It
21	0018	Unit Call	1
22	0019	*** unit dependent	1
23	0020	*** unit dependent	1
24	0021	*** unit dependent	1
25	0022	*** unit dependent	1
26	0023	*** unit dependent	1
27	0024	Total before Tax	1
28	0025	Tax	1
29	0026	Inclusive Total	1
30	0027	Payment Terms	1

Nex Pre Add Ins Ed Del

Where is that tag !

- [Select from Tag List](#)
- [Search for Tag Number](#)
- [Search for Tag Name](#)

Current Tag Focus: -

Row	28
Tag #	0025
Name	Tax

[Open the Tag Macro](#)

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The screenshot shows the IES Client v8.29: My IES interface. The top menu bar includes Help, Submit, Quit, Functions, and Commands. Below the menu is a toolbar with icons for key, help, search, heart, clock, left arrow, right arrow, list, document, refresh, checkmark, and close. The main window has a tabbed interface with four tabs: 1 Console, 2 Pre Run (selected), 3 The Tags, and 4 Options. The Pre Run Parameters section includes fields for Pre Run Process, Results File (docwritespre), Results Key (*user), Proceed on Field #, and Conditional Value. A Pre Run Assist button is also present. The Direct Reference Data Sources section shows a table with two columns: Data Sources and Data Keys. The table contains one row with Data Sources: 1 docwritespre and Data Keys: usercode. A vertical scrollbar is visible on the right side of the table.

PRE RUN PARAMETERS: - [Pre Run Assist](#)

Pre Run Process:

Results File:

Results Key:

Proceed on Field #:

Conditional Value:

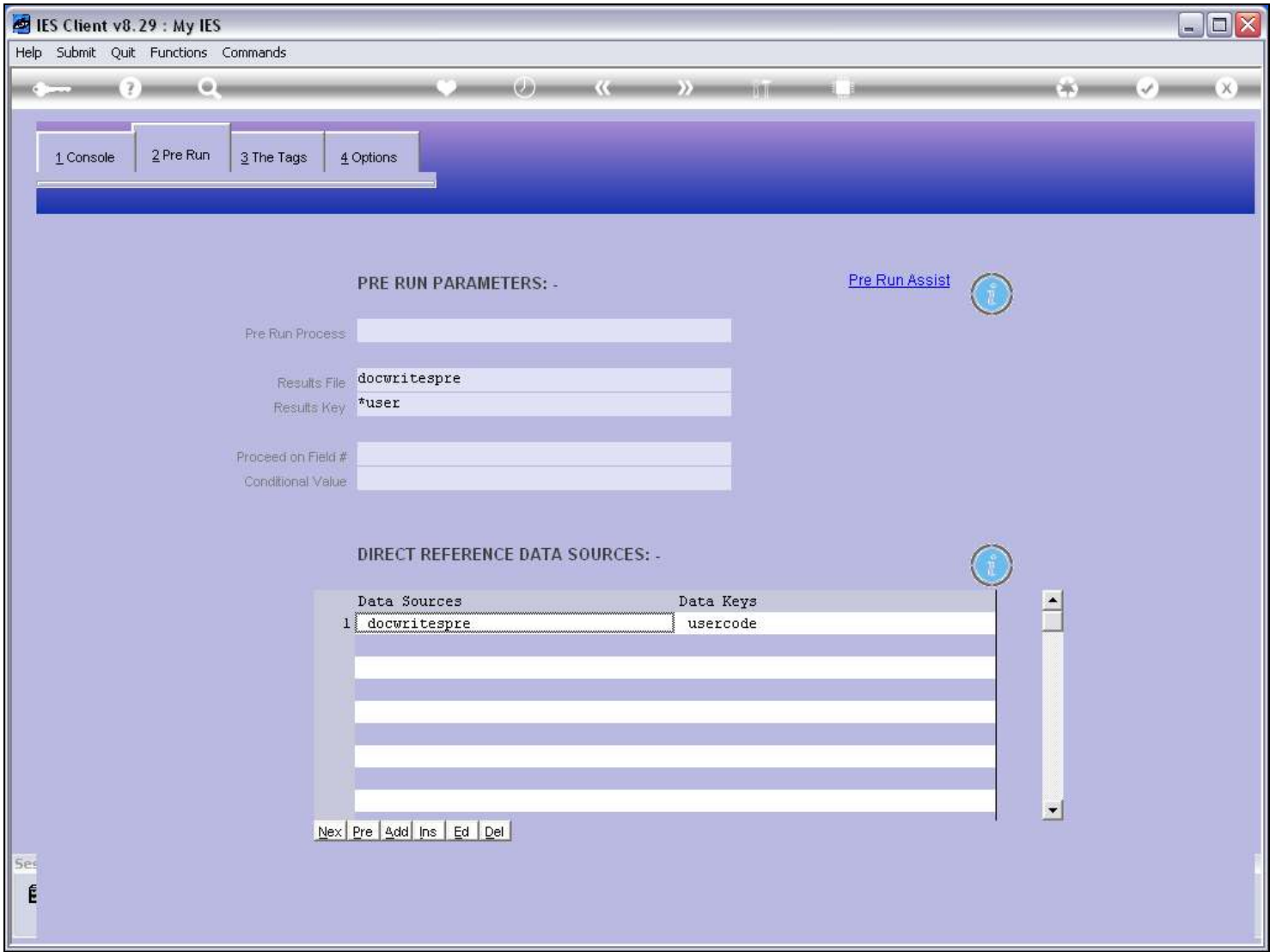
DIRECT REFERENCE DATA SOURCES: -

Data Sources	Data Keys
1 docwritespre	usercode

Slide notes

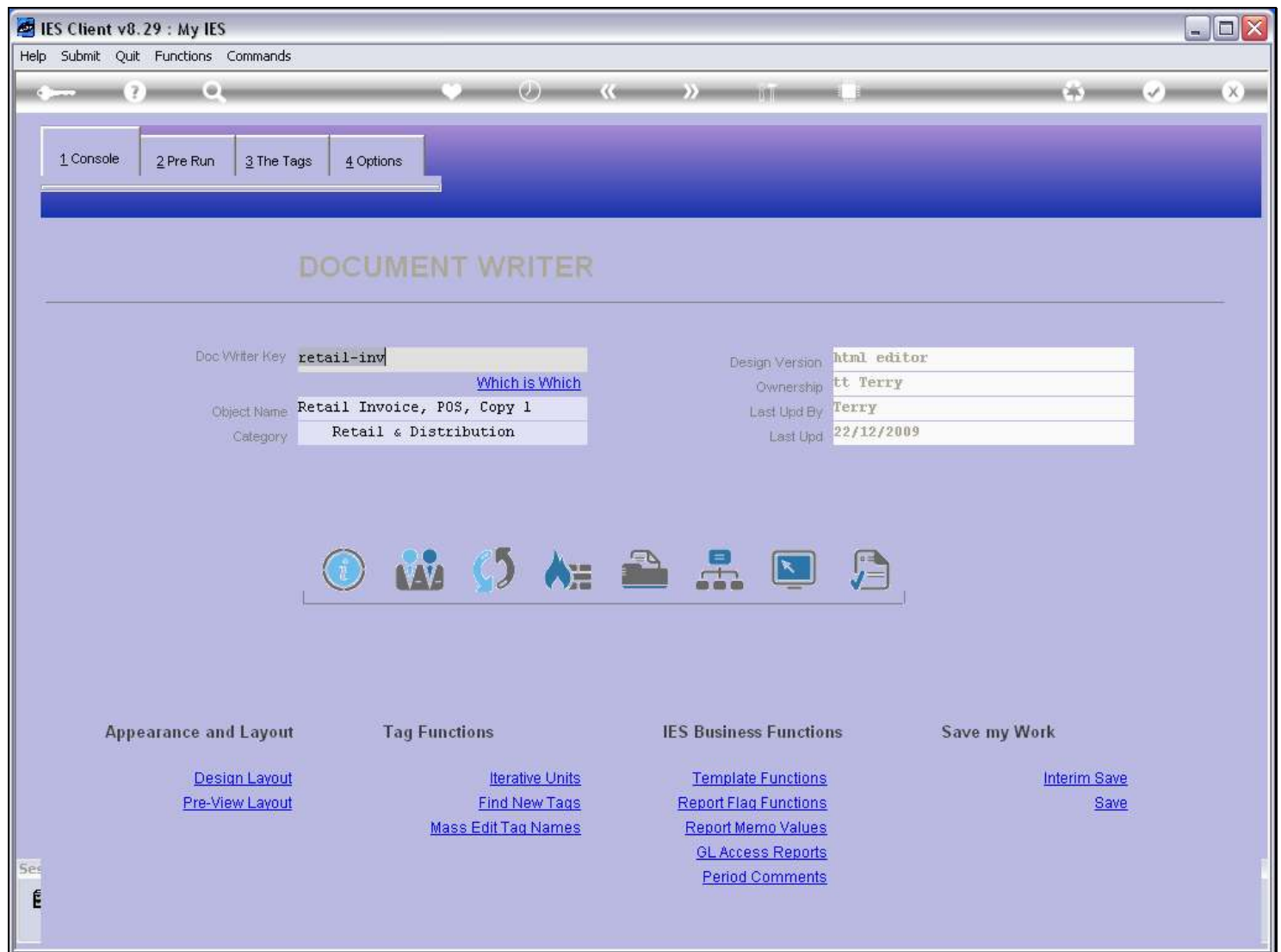
We note that we can use this method only when we have a Direct Data source listed, and more often than not, when we use the Field number method as opposed to the Name method, then it is a data record specially prepared for the Report.

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Slide notes

Slide 18 - Slide 18



Slide notes

On the metadata we will be able to see where the Tax Total comes from.

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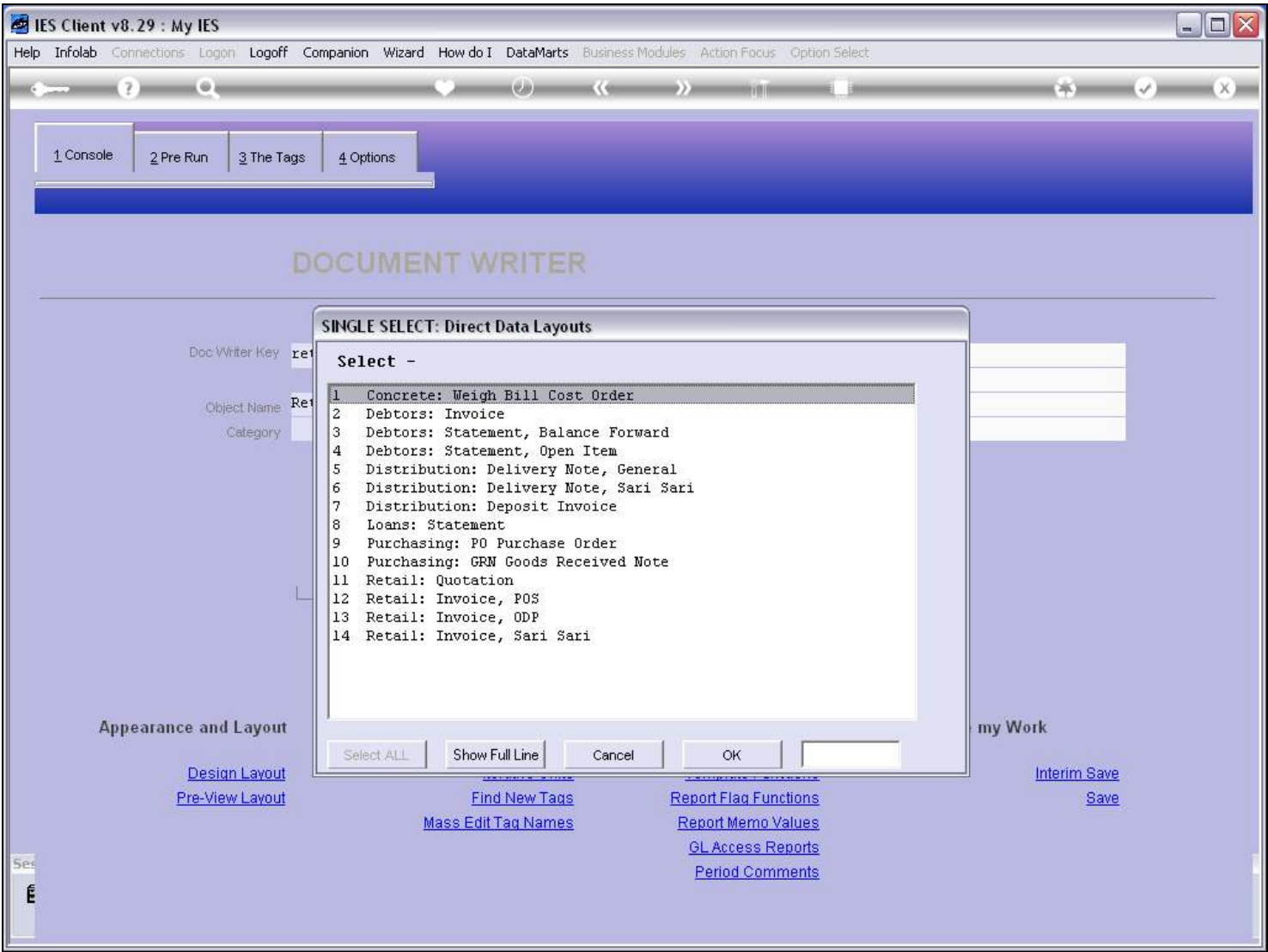
Slide notes

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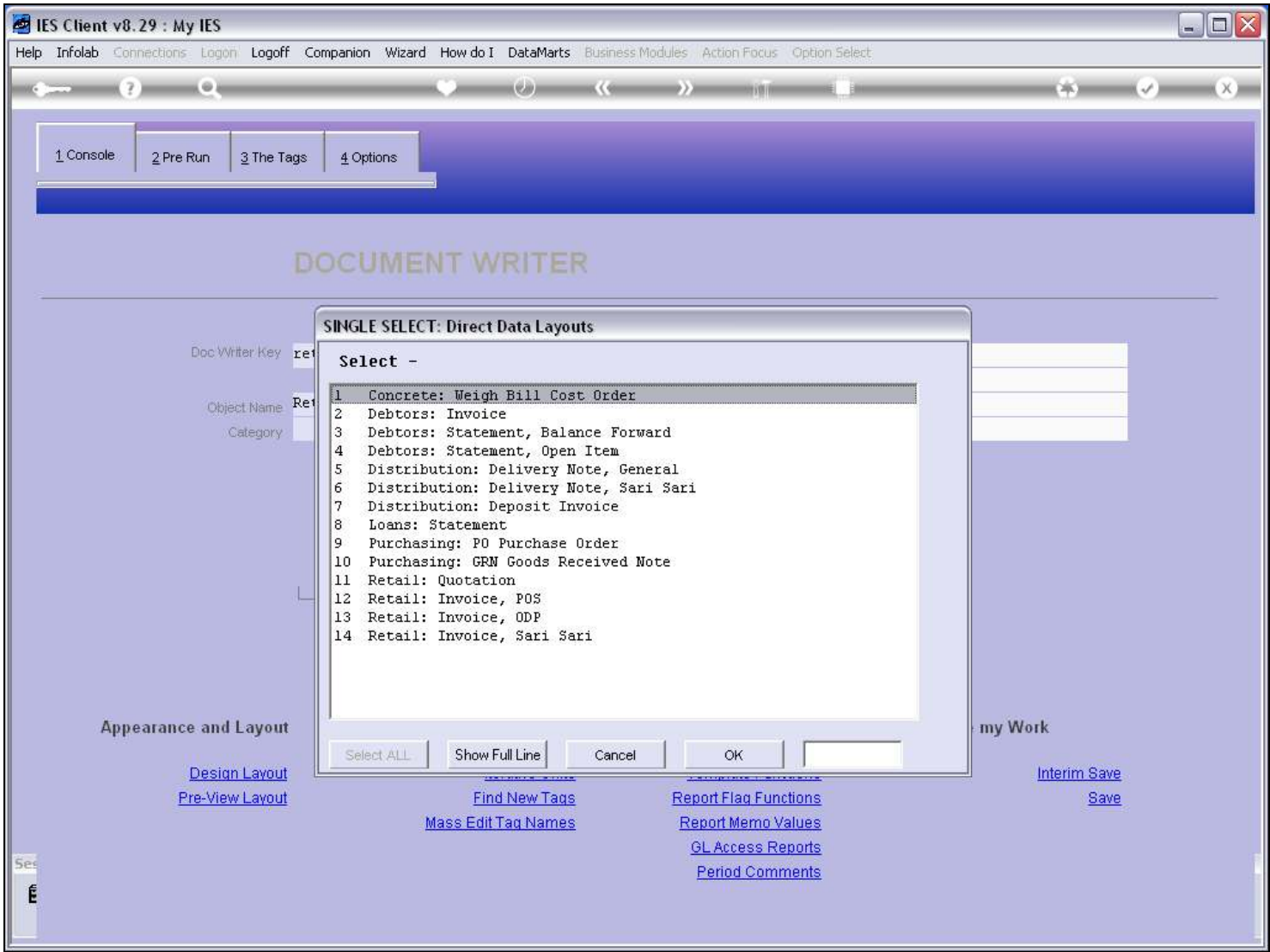
Slide notes

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Slide notes

Slide 22 - Slide 22



Slide notes

Slide 23 - Slide 23

IES Client v8.29 : My IES

Help Submit Quit Functions Commands

Document

[Next](#)

Retail Invoice, Point of Sale - Direct Data Layout

The Retail Invoice Data are pre-formatted to a 'docwritespre' source record before calling Document Writer. If this report (RETAIL-INV, RETAIL-INV-2, RETAIL-INV-FX, RETAIL-INV-FX-2) is re-created as a modified version (swap), then the data layout may be accessed as follows: -

Field #	Data

Transaction Line Detail (multi valued), Invoice Currency e.g. Local or Forex	
1,n	Transaction Date
2,n	Description
3,n	Item Code
4,n	Quantity
5,n	Amount (inclusive)
6,n	Line Tax
7,n	Amount (exclusive)
8,n	Line Discount Amt
9,n	Serial / Batch No
10,n	* if sale and not delivered now
Transaction Line Detail (multi valued), Local Currency	
51,n	Amount (inclusive)
52,n	Line Tax
53,n	Amount (exclusive)
54,n	Line Discount Amt
Totals in Invoice Currency e.g. Local or Forex	

Make a copy - [Text Copy](#)

Search Phrase

Search the IES web on-line documentation by typing a phrase, then choose "search".

[Search](#)

Doc Key: dds-layout-05

Slide notes

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The screenshot shows the IES Client v8.29: My IES application window. The title bar includes 'Help', 'Submit', 'Quit', 'Functions', and 'Commands'. The main window displays a document titled 'Document' with a blue header. The document content is as follows:

Retail Invoice, Point of Sale - Direct Data Layout

The Retail Invoice Data are pre-formatted to a 'docwritespre' source record before calling Document Writer. If this report (RETAIL-INV, RETAIL-INV-2, RETAIL-INV-FX, RETAIL-INV-FX-2) is re-created as a modified version (swap), then the data layout may be accessed as follows: -

Field #	Data

Transaction Line Detail (multi valued), Invoice Currency e.g. Local or Forex	
1,n	Transaction Date
2,n	Description
3,n	Item Code
4,n	Quantity
5,n	Amount (inclusive)
6,n	Line Tax
7,n	Amount (exclusive)
8,n	Line Discount Amt
9,n	Serial / Batch No
10,n	* if sale and not delivered now
Transaction Line Detail (multi valued), Local Currency	
51,n	Amount (inclusive)
52,n	Line Tax
53,n	Amount (exclusive)
54,n	Line Discount Amt
Totals in Invoice Currency e.g. Local or Forex	

On the right side of the document, there is a 'Next' link at the top. Below the document content, there is a 'Make a copy -' button and a 'Text Copy' link. Further down, there is a 'Search Phrase' input field and a 'Search' button. At the bottom of the window, there is a 'Doc Key' field containing 'dds-layout-05'.

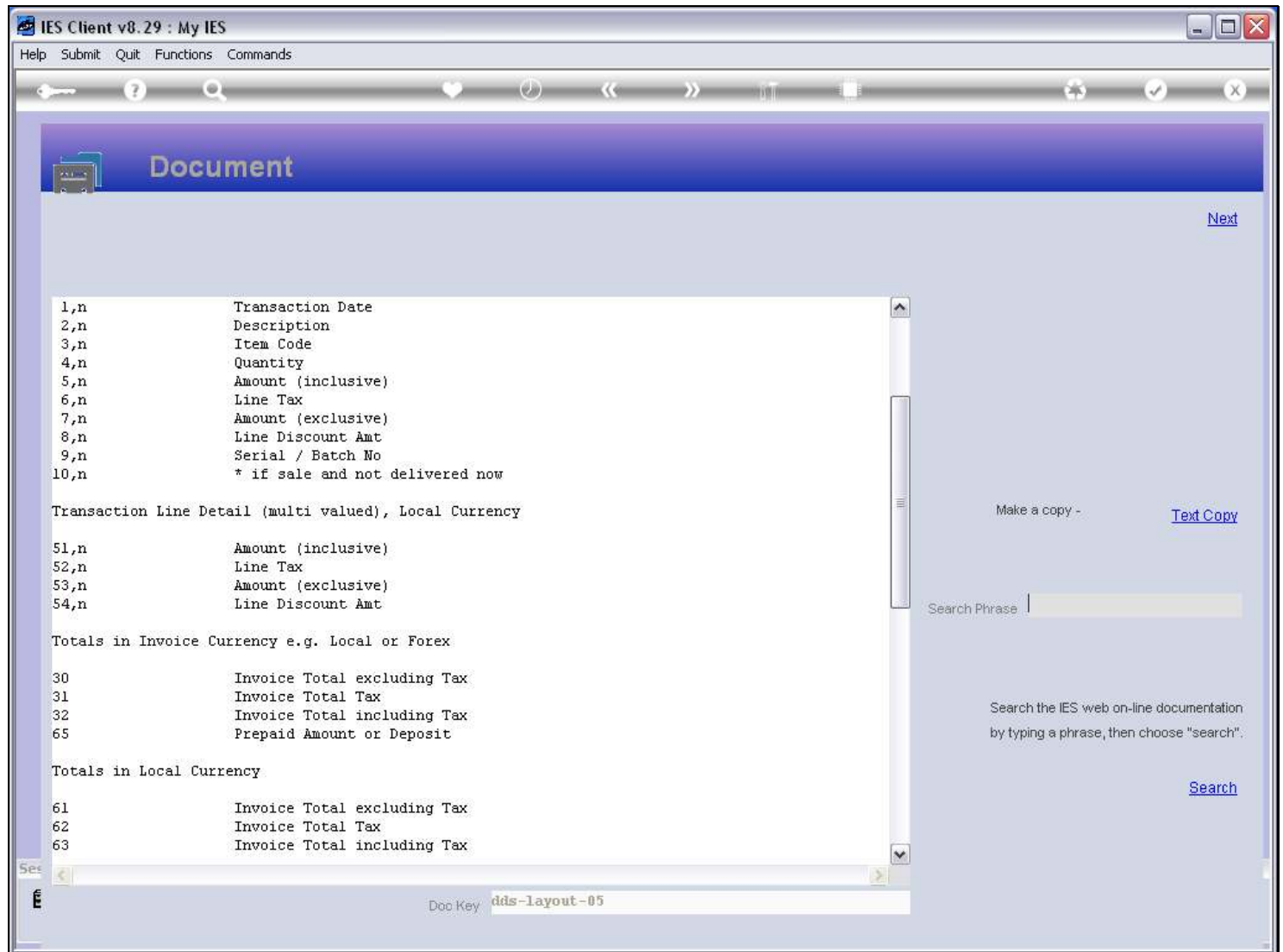
Slide notes

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And here the Tax Total is shown at Field number 31.

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IES Client v8.29 : My IES

Help Submit Quit Functions Commands

Document

Next

Transaction Line Detail (multi valued), Local Currency

1,nTransaction Date

2,nDescription

3,nItem Code

4,nQuantity

5,nAmount (inclusive)

6,nLine Tax

7,nAmount (exclusive)

8,nLine Discount Amt

9,nSerial / Batch No

10,n* if sale and not delivered now

Totals in Invoice Currency e.g. Local or Forex

30Invoice Total excluding Tax

31Invoice Total Tax

32Invoice Total including Tax

65Prepaid Amount or Deposit

Totals in Local Currency

61Invoice Total excluding Tax

62Invoice Total Tax

63Invoice Total including Tax

Make a copy -

Text Copy

Search Phrase

Search the IES web on-line documentation by typing a phrase, then choose "search".

Search

Doc Key dds-layout-05

Slide notes

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IES Client v8.29 : My IES

Help Submit Quit Functions Commands

Document

Next

1,n Transaction Date
2,n Description
3,n Item Code
4,n Quantity
5,n Amount (inclusive)
6,n Line Tax
7,n Amount (exclusive)
8,n Line Discount Amt
9,n Serial / Batch No
10,n * if sale and not delivered now

Transaction Line Detail (multi valued), Local Currency

51,n Amount (inclusive)
52,n Line Tax
53,n Amount (exclusive)
54,n Line Discount Amt

Totals in Invoice Currency e.g. Local or Forex

30 Invoice Total excluding Tax
31 Invoice Total Tax
32 Invoice Total including Tax
65 Prepaid Amount or Deposit

Totals in Local Currency

61 Invoice Total excluding Tax
62 Invoice Total Tax
63 Invoice Total including Tax

Make a copy -

Text Copy

Search Phrase

Search the IES web on-line documentation by typing a phrase, then choose "search".

Search

Doc Key dds-layout-05

Slide notes