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- (71) Applicant (for all designated States except US):
SCHLUMBERGER TECHNOLOGY CORPORATION [US/US]; 5599 San Felipe, Suite 1700, Houston, TX 77056-2722 (US).

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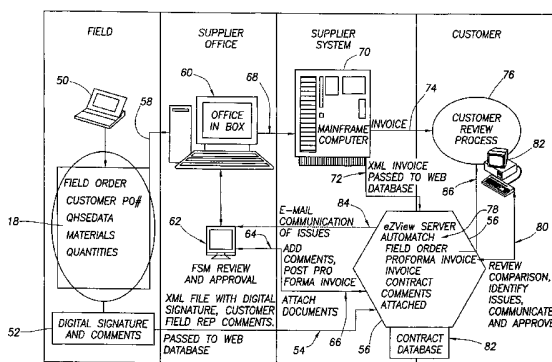
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- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **ONEY, Bruce, A.** [US/US]; 4715 Plato Park Drive, Sugar Land, TX 77479 (US). **CENSI, Paolo** [IT/US]; 8506 Hillsboro Place, Sugar Land, TX 77479 (US).
- (74) Agent: **WISNER, Mark, R.**; Wisner & Associates, Suite 400, 1177 West Loop South, Houston, TX 77027-9012 (US).

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(54) Title: DATA COLLECTION METHOD AND REPORT GENERATION APPARATUS INCLUDING AN AUTOMATCH FUNCTION FOR GENERATING A REPORT ILLUSTRATING A FIELD ORDER AND ASSOCIATED INVOICE



(57) Abstract: A system is disclosed for storing and maintaining a plurality of field orders and a corresponding plurality of invoices. This system allows a supplier and a buyer to easily view and obtain copies of one or more of the field orders and their corresponding invoices when proper security constraints are satisfied. The system includes a computer server adapted to receive input data comprising a plurality of field orders and a corresponding plurality of invoices, the field orders and the invoices being stored in a memory of the server. A processor of the server will execute a software package stored in a memory of the server called a report generation software. When the report generation software is executed by the processor of the server, a 'special report' is available for display on the server's recorder or display device, that 'special report' being adapted to be viewed by either the buyer or the supplier. On that 'special report', there are three columns. A first column consists of a plurality of descriptions of goods or services. A second column consists of a plurality of field orders. A third column consists of a plurality of invoices corresponding, respectively, to the plurality of field orders. The 'special report' can be viewed by the buyer when the buyer accesses the supplier's server via the internet and initiates an 'automatch' function. However, before accessing the supplier's server, the buyer must first input certain security constraints, such as username and password.

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DATA COLLECTION METHOD AND
REPORT GENERATION APPARATUS
INCLUDING AN AUTOMATCH FUNCTION
FOR GENERATING A REPORT ILLUSTRATING
A FIELD ORDER AND ASSOCIATED INVOICE

BACKGROUND OF THE INVENTION

The subject matter of the present invention relates to a software system residing in a computer/server that is accessible by buyers of goods or services via the internet for displaying a 'special report' on the server which is adapted to be read by a buyer of particular goods and/or services, the report having three columns: a first column having a plurality of descriptions of goods or services, a second column having a plurality of field orders corresponding, respectively to the plurality of goods or services where each field order indicates exactly which goods or services were received and verified by the buyer, and a third column having a plurality of invoices corresponding, respectively, to the plurality of field orders, the buyer locating a particular field order where he personally verified receipt of the goods or services and, adjacent thereto on the 'special report', locating a particular invoice associated, respectively, with the particular field order.

Corporations sell a multitude of products and/or services to other corporations or individuals. A buyer will place an order for goods or services, and a supplier will supply those goods/services. Upon receipt of the goods/services, the buyer will often sign a field order indicating exactly what products and/or services were received by the buyer. Later, the buyer will receive an invoice from the supplier associated with the receipt by the buyer of those goods and/or services. However, when the invoice is received, the buyer may have misplaced his copy of the field order. The buyer wants to compare his copy of the field order, which indicates exactly what products/services he received, with the owed

amounts indicated on the invoice to be sure the owed amounts are correct. However, since, sometimes, the buyer has misplaced his copy of the field order, the buyer cannot compare the field order against the invoice. In addition, even if the field orders have not been misplaced, it is necessary to periodically perform certain audits. During these audits, a multitude of field orders are compared against a corresponding multitude of invoices to be sure the owed amounts indicated on the invoices are correct. Disputes sometimes result; the buyer indicating he owes a lesser amount and the supplier indicating that the buyer owes a greater amount.

10 A better system is needed to allow a supplier and a buyer to easily obtain copies of a plurality of field orders and a corresponding plurality of invoices. As a result, when this better system is implemented, the aforementioned audits may no longer be necessary.

SUMMARY OF THE INVENTION

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Accordingly, a better system is disclosed for storing and maintaining a plurality of field orders and a corresponding plurality of invoices. This system allows a supplier and a buyer to easily view and obtain copies of one or more of the field orders and their corresponding invoices when proper security constraints are satisfied. The system includes a computer server adapted to receive input data comprising a plurality of field orders and a corresponding plurality of invoices, the field orders and the invoices being stored in a memory of the server. A processor of the server will execute a software package stored in a memory of the server, the software package being hereinafter called a 'report generation software'. The 'report generation software' is also known by the following trademark: "eZView". When the report generation software (i.e., the "eZView" software) is executed by the processor of the server, a 'special report' is available for display on the server's recorder or display device, that 'special report' being adapted to be viewed by either the buyer or the supplier. On that 'special report', there are three columns. A first column consists of a plurality of descriptions of goods or services. A second column consists of a plurality of field orders. A field order is a verified document, signed by a buyer, which indicates exactly what products or services

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were received by the buyer. A third column consists of a plurality of invoices corresponding, respectively, to the plurality of field orders. The 'special report' can be viewed by the buyer when the buyer accesses the supplier's server via the internet. However, before accessing the supplier's server, the buyer must first input certain security constraints, such as username and password.

It was previously indicated that the computer server is adapted to receive input data comprising a plurality of field orders and a corresponding plurality of invoices. A novel method is also disclosed herein which represents a new 'business method' for collecting the plurality of field orders and the corresponding plurality of invoices which represents the input data being provided to the server.

Accordingly, a better system is being provided, representing a novel business method and associated apparatus, for efficiently storing, in a computer server belonging to a supplier, a plurality of field orders and a corresponding plurality of invoices and for allowing a buyer to easily access the supplier's server via the internet for the purpose of viewing a 'special report' on the supplier's server when proper security constraints are satisfied. When the supplier's server is accessed, the buyer can view the 'special report' which illustrates a plurality of the buyer's field orders and a corresponding plurality of his invoices.

Further scope of applicability of the present invention will become apparent from the detailed description presented hereinafter. It should be understood, however, that the detailed description and the specific examples, while representing a preferred embodiment of the present invention, are given by way of illustration only, since various changes and modifications within the spirit and scope of the invention will become obvious to one skilled in the art from a reading of the following detailed description.

By way of example, although reference is made herein to "field orders" in describing an embodiment of the present invention, it will be understood that the present invention is suitable for use in connection with any type of order for goods and/or services, regardless of whether such orders originate from the

BRIEF DESCRIPTION OF THE DRAWINGS

A full understanding of the present invention will be obtained from the detailed
5 description of the preferred embodiment presented hereinbelow, and the accompanying
drawings, which are given by way of illustration only and are not intended to be
limitative of the present invention, and wherein:

figure 1 illustrates a traditional procurement process;

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figure 2 illustrates a prior art method for collecting field orders (or 'field tickets');

figure 3 illustrates how the method of the present invention for collecting field orders and
corresponding invoices saves customer process costs and supplier process costs;

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figure 4 illustrates the procurement process of figure 1, but this figure further illustrates
where the 'eZView' software of the present invention operates in that procurement
process for the purpose of saving the above customer and supplier process costs;

20 figure 5 illustrates the fact that the novel method for collecting field orders and associated
invoices and the novel 'report generation software', also known as the 'eZView'
software, not only captures a buyer's purchase order number and a buyer's invoice, but it
also matches a buyer's field order (or field ticket) with the buyer's invoice; in addition,
the unit prices in the invoice could also be compared with the corresponding unit prices
25 as stated in the buyer's contract;

figure 6 illustrates the novel method in accordance with one aspect of the present
invention for collecting field orders and collecting associated invoices for display of such
field orders and such invoices on the 'special report' which is generated by the 'report
30 generation software', also known as the 'eZView' software;

figure 7 illustrates a typical field order, which is also known as a field ticket or a service order;

5 figures 8a and 8b illustrate a screen display which is being viewed by a buyer on the buyer's computer, when the buyer is attempting to access the supplier's server via the internet, this screen display requiring the buyer to first enter a security constraint, such as a username and a password, and then, when the username and password is successfully entered, requiring the buyer to enter an invoice number and/or a field ticket number;

10 figures 9a through 12 illustrate the 'special report' which is generated by the supplier's server when the processor of the supplier's server executes the 'report generation software' which is resident on the supplier's server/computer, the 'special report' having a field order column associated with a description column and a corresponding invoice column, where a particular field order can be matched with a particular invoice associated
15 with a particular product or service description;

figure 13 illustrates a construction of the supplier's server which stores the 'report generation software', otherwise known as the 'eZView' software in accordance with another aspect or feature of the present invention; and

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figures 14 through 18 are used in conjunction with the functional specification which describes the 'report generation software' illustrated in figure 13.

DETAILED DESCRIPTION OF THE INVENTION

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Referring to figure 1, a traditional procurement process is illustrated.

In figure 1, traditionally, the procurement process includes the following steps. First, a definition of the buyer's needs results in the submission of a Request for Quotation (RFQ) 10 from a buyer to a supplier. This RFQ 10 may include products or services from
30 the supplier's catalog, or, in the case of configurable products or services, the RFQ 10

may simply be a request for services that provide specified results. This creates a collaborative environment between buyer and supplier. The supplier sends a quote 12 that includes the price he can offer for the products or services. If they agreed on the price, the buyer replies by creating a Purchase Order (PO) 14 that identifies the items he wants to purchase. The supplier acknowledges the PO 16 and delivers products and or services which is documented by a job report 18, also known as a Field Service Report 18, a Field Order 18, or a Field Ticket (FT) 18 (hereinafter, known as a "Field Order 18"). The Field Order 18 document includes: the products/services delivered by the supplier to the buyer, and the prices provided by the supplier for each item. Particularly in a dynamic service environment, the services delivered and itemized on the Field Order 18 may vary significantly from those services which were originally requested. The Field Order 18 is reviewed by the supplier before the supplier generates an Invoice 20. An agreement between the Invoice 20 and the Field Order 18 represents one of the steps which are necessary in order to launch the payment process 22.

Referring to figure 2, a prior art data collection method for collecting Field Order information and associated Invoice information is illustrated which enables a customer to match a Field Order with an incoming Invoice.

In figure 2, the prior art data collection method is comprised of the following steps. At a wellsite 24, when a supplier provides the requested goods and/or services to a buyer in response to a buyer's purchase order 14, a Field Order 18 is prepared which itemizes the goods and services delivered by the supplier to the buyer. The Field Order 18 is signed by the buyer when the goods and services are delivered to the buyer, and it includes such things as the customer purchase order (PO) number, quality health safety and environment (QHSE) information, a set of materials or services delivered, and the quantities of such materials delivered by the supplier to the buyer. A paper format of the Field Order 18 is delivered to the customer (note that this is a paper Formatted field order only); see numeral 26 in figure 2. In the meantime, the Field Order 18, which represents the goods and services delivered by the supplier to the buyer and which is signed/verified by the buyer, is sent from the wellsite to a 'digital District Inbox' 28; see numeral 32 in

figure 2. Here, a Field Service Manager (FSM) 30 reviews the Field Order 18 that is stored in the District InBox 28 for accuracy, since the Field Order 18 was originally prepared by a field engineer. When the Field Order 18 in the District InBox 28 is corrected by the FSM 30, a corrected Field Order 18 is sent to a mainframe computer 34 where the corrected Field Order 18 is stored therein; see numeral 38 in figure 2. The corrected Field Order 18 is also sent to an operational statistics (OpStats) collector 36. In response to the receipt of the corrected Field Order 18 from the District InBox 28, the mainframe computer 34 prepares an Invoice 40, where the Invoice 40 is delivered to a customer in order to initiate a process known as a "customer review process" 42. During the customer review process 42, the customer seated at computer terminal 44 in figure 2 will compare the received Invoice 40 with the customer's original copy of the Field Order 18 to verify that the items listed on the Field Order 18, representing the customer's received and verified goods and/or services, are accurately represented on the Invoice 40. However, in the prior art, the match between the Field Order 18 and the invoice 40 was an entirely manual process. As a result, the prior art data collection method illustrated in figure 2 is undergoing improvement by virtue of the new and novel data collection method in accordance with one aspect of the present invention illustrated in figure 6 and discussed in detail below.

In figure 3, as noted earlier the prior art data collection method of figure 2 is undergoing improvement by virtue of the present invention; however, this improvement is needed in order to reduce the "total system cost". That is, the customer process costs can be reduced, and the supplier process costs can be reduced while maintaining the profit and the supplier material costs, as indicated in figure 3.

Referring to figure 4, the traditional procurement process of figure 1 is illustrated again, however, the 'report generation software' otherwise known as the 'eZView' software of the present invention (illustrated in figure 13) will generate the 'special report' as previously mentioned. That 'special report', which is generated by the 'eZView' software of the present invention, will illustrate, on a line-by-line basis, the Field Order 18 and its associated Invoice 20. After viewing the 'special report', the buyer will easily

note that the items listed on the Field Order 18 are accurately reflected on the Invoice 20. Since the buyer is now reassured, the payment 22 for the goods and services listed on the Field Order 18 will be made by the buyer.

Referring to figure 5, the 'special report' that is generated by the 'report generation software' or the 'eZView' software of the present invention will enable the buyer to compare on a line-by-line basis: the Field Order 18 against the Invoice 20. More particularly, buyers are particularly concerned about passing an Invoice 20 through three levels of verification and authorization before authorizing payment to the supplier: (1) An invoice 20 must be related to one Purchase Order (PO); the total Invoice 20 value should remain within acceptable limits of an approved amount as stated in the Purchase Order (PO) 14; (2) Each invoice 20 must be compared with the Field Order (or Field Ticket) 18 that corresponds to that Invoice 20 in order to verify and determine the fact that the items and the quantities delivered to the buyer match with the items stated in the Invoice 20; and (3) The unit prices in the buyer's Invoice 20 should be compared with the buyer's agreed unit prices as stated in their contract with the supplier.

The 'report generation software' also known as 'eZview' software 'web application' of the present invention, addresses the two last points [that is, points (2) and (3) above] by providing customers with the opportunity to systematically compare Field Order 18 items and quantities against those stated in the Invoice 20, and to validate unit prices from the Invoice 20 against an electronic representation of the customer's contract.

Referring to figure 6, a novel data collection method, in accordance with one aspect of the present invention, is illustrated for collecting the Field Orders 18 and the corresponding Invoices 20 of figure 4 so that the 'report generation software' (or the 'eZView' software), in accordance with another aspect of the present invention, can generate the aforementioned 'special report'. That 'special report' will display the Field Orders 18 and associated Invoices 20 on a line-by-line basis. As a result, by viewing the 'special report', the buyer can easily verify that the goods or services listed on the Field Order 18 (representing the goods and services which were delivered to the buyer and

accepted by the buyer) do, in fact, accurately match the goods or services listed on the Invoice 20.

In figure 6, the novel data collection method for collecting Field Orders 18 and corresponding Invoices 20 comprises the following steps:

During a field operation, collection and viewing of a Field Order 18 summary on a Field Engineer's laptop

Referring to figure 6, locate a field engineer's laptop 50. The laptop 50 will display a Field Order 18. The Field Order 18 represents a set of goods or services which were delivered by a supplier to a buyer in the field. The Field Order 18 displayed on laptop 50 reflects those goods or services.

Generation of an XML version of the Field Order 18 and locking of the XML Field Order 18 by capturing the Customer Field Representative's digital signature; in addition, capture the Customer Field Representative's comments by posting the comments on the 'eZView' server illustrated in figure 13

In figure 6, locate the 'Digital Signature and Comments' block 52. Recall that the Field Order 18, which is displayed on the field engineer's laptop 50, comprises a customer purchase order 14 number, QHSE data, material delivered to the buyer, and quantities of the aforesaid materials delivered to the buyer. When the goods and/or services are delivered by the supplier to the buyer, the Field Order 18 will state exactly which goods were delivered to the buyer along with their quantities, and the Field Order 18 will also state exactly which services were delivered to the buyer. When the goods and/or services are delivered by the supplier to the buyer, the buyer's "Customer Field Representative" will review the Field Order 18 which is being displayed on the laptop 50 and the "Customer Field Representative" will indicate his acceptance of the goods and/or services delivered by the supplier to the buyer by supplying a unique 'digital signature' 52 which is unique to the Customer Field Representative. If the buyer's Customer Field Representative has any comments regarding the delivered goods and/or services, those

comments 52 can also be supplied by the Customer Field Representative along with his 'digital signature' 52.

Transfer the XML version of the signed Field Order 18 to the 'eZView' server.

In figure 6, locate numeral 54. Here, the XML version of the Field Order 18 is being transferred from the laptop 50 to the 'eZView' server 56.

Transfer of the Field Order 18, in electronic form, to the Service Company's Field Operation's office for additional review and editing.

In figure 6, locate numeral 58. Here, the Field Order 18 in laptop 50 is transferred, in electronic form, to a Service Company's Field Operations office 60, called the 'office InBox' 60, for additional review and editing of the field order 18 by a Field Service Manager (FSM) 62. The field engineer's field order 18 in laptop 50 may contain errors. The Field Service Manager 62 will correct those errors in the field order 18.

Correction and modification of Field Order 18 By the Supplier's Field Operations Manager and capturing Supplier comments associated the Field Order or Invoice items

In figure 6, locate numeral 64. Note that the Field Service Manager (FSM) 62 will review the Field Order 18 now stored in the 'Office In Box' 60 and correct any errors. Here, the FSM 62 can place any comments as desired directly on the Field Order 18 being displayed on the 'Office In Box' 60, the comments being associated with the Field Order 18 or any Invoice items.

Posting of a Pro Forma Invoice and attaching supporting documents.

In figure 6, locate numeral 66. Here, the FSM 62 can also create an unofficial (Pro Forma) invoice and store that invoice in the 'eZView' server 56. In addition to the unofficial 'Pro Forma' invoice, the FSM 62 can also attach any other supporting documents to the invoice that is being stored in the 'eZView' server 56, the attachment of

the documents to the invoice being done in a manner that is similar to attaching a document to an email.

Transfer Field Order 18 to a mainframe computer for storage therein for the purpose of creating an Invoice

In figure 6, locate numeral 68. The Field Order 18 which is currently stored in the 'Office In Box' 60 is now transferred to a mainframe computer 70 for storage therein. In the mainframe computer 70, the Field Order 18 is used to create an official copy of an Invoice that corresponds to the Field Order 18 that is stored in the mainframe computer 70 and in the 'Office In Box' 60.

Capturing an XML representation of the Invoice and passing the Invoice to the 'eZView' server 56

In figure 6, locate numeral 72. Here, an XML representation of the Invoice stored in the mainframe computer 70 is transferred to a web database in the 'eZView' server 56.

Deliver the traditional Invoice to the Customer

In figure 6, locate numeral 74. Here, a traditional copy of the Invoice, which is stored in the mainframe computer 70, is delivered to the buyer/customer for his review. Locate numeral 76 and note that, at this point, a 'customer review process' 76 will begin. During the customer review process 76, the buyer/customer will review the invoice which was previously delivered to the buyer/customer, at numeral 74.

Automatch between the Field Order and Invoice, or Field Order and Pro Forma Invoice, or Pro Forma Invoice and Invoice, matching line item materials and quantities; Identify items that do not match or are not digitally signed; Automatically email notifications to a customer indicating that an Invoice has been posted to the 'eZView' server

In figure 6, locate numeral 78. Here, using his own personal computer and standard browser software, the buyer/customer can access the internet for the purpose of accessing the 'eZView' server 56, as shown in figure 13. When access to the 'eZView' server is achieved, the buyer/customer can perform the following functions: The

buyer/customer can initiate an 'automatch' function wherein the buyer can enter a Field Order number or an invoice number, and, responsive thereto, the buyer can start performing an 'automatch' function. During the 'automatch' function, the server 56 can: (1) locate a match between the Field Order and the Invoice, or (2) locate a match between the Field Order and the Pro Forma Invoice, or (3) locate a match between the Pro Forma Invoice and the Invoice. The server 56 can also identify items, during the 'automatch' function, that do not match or are not digitally signed. In addition, the server 56 can automatically notify a buyer/customer via email indicating that an invoice has been posted to the 'eZView' server 56. When the 'automatch' function is complete, a 'special report' is generated by the server 56. That 'special report' will be discussed below with reference to figures 9a, 9b, 10, 11, and 12.

Customer has a secure access via a Web Browser into the 'eZView' server 56 for performing the 'automatch' function and reviewing matches between Field Orders and Invoices, and reviewing supplier comments and supporting attachments

In figure 6, locate numeral 80. Here, a buyer/customer, sitting at his personal computer 82, can access the internet and attempt to access the 'eZView' server 56. When access to the 'eZView' server 56 is obtained, the buyer/customer can then: enter an invoice number or a field order number, and start performing the 'automatch' function. When the automatch function is completed, a 'display' or 'output record medium' is generated. In that 'display' or 'output record medium', a match between a field order 18 and an invoice 20 can be displayed (see figures 9 through 12). Alternatively, a match between the Field Order and the Pro Forma Invoice can be displayed, or a match between the Pro Forma Invoice and the Invoice can be displayed. Figures 9a through 12 are examples of a 'display' or 'output record medium' which shows a match between a plurality of field orders and a corresponding plurality of invoices for a corresponding plurality of product or service descriptions. In addition, when the buyer has obtained access to the 'eZView' server 56 and the 'automatch' function has completed, the buyer can also review, on the 'display' or 'output record medium', any supplier's comments and any supporting attachments which may exist.

Unit price verification against specific contract in Contract Database

In figure 6, locate numeral 82. Recall that, with reference to numeral 72 in figure 6, the XML representation of the Invoice stored in the mainframe computer 70 was transferred to a web database in the 'eZView' server 56. Recall again that, with reference to numeral 78, the buyer/customer performs an 'automatch' function wherein a 'display' or 'output record medium' is generated; and, in that 'display' or 'output record medium', a match between a field order 18 and an invoice 20 can be displayed, or a match between the Field Order and the Pro Forma Invoice can be displayed, or a match between the Pro Forma Invoice and the Invoice can be displayed. A 'contract' between the buyer and the supplier is stored in a 'contract database' 82 of figure 6. Now that the buyer/customer has obtained access to the 'eZView' server 56 and has performed the 'automatch' function, the buyer/customer, sitting at his personal computer 82, can also compare the unit prices set forth in the Invoice which is stored in the 'eZView' server 56 with the unit prices set forth in the buyer/supplier contract stored in the contract database 82.

Customer can initiate email back to supplier for issue resolution.

In figure 6, locate numeral 84 representing a route 84. Here, since the buyer/customer sitting at his personal computer 82 has obtained access to the 'eZView' server 56, has performed the 'automatch' function, and has generated the 'display' or 'output record medium' in the form of a 'special report' similar to the special reports illustrated in figures 9a through 12, the buyer/customer may now have one or more questions concerning any of the field orders 18 and corresponding invoices 20 set forth in the 'special reports' of figures 9a through 12. As a result, the buyer/customer can now send an email containing his questions back to the supplier via route 84 in figure 6. This email is sent back to the supplier's Field Service Manager (FSM) 62 in figure 6. The FSM 62 would answer those questions.

Customer can initiate email notification to inside own organization to support workflow process.

In figure 6, locate numeral 86 representing route 86. Here, since the buyer/customer sitting at his personal computer 82 has obtained access to the 'eZView' server 56, has performed the 'automatch' function, and has generated the 'display' or 'output record medium' in the form of a 'special report' similar to the special reports illustrated in figures 9a through 12, the buyer/customer may want to notify his own organization in order to support the workflow process. As a result, via route 86 in figure 6, the buyer/customer can send an email to his own organization set forth in the 'customer review process' block 76 in order to implement the needed workflow.

Referring to figure 7, a typical Field Order 18, also known as a field ticket or a service order, is illustrated.

In figure 7, recall from figure 6 that a Field Order 18 was generated in the supplier/field engineer's laptop 50 indicating that the supplier delivered the required goods and/or services. Recall also in figure 6 that the buyer's representative was required to provide his 'digital signature' 52 on the Field Order 18 indicating his acceptance of the goods and/or services provided by the supplier to the buyer. Figure 7 illustrates an example of a Field Order 18 which could be displayed on the field engineer's laptop 50 and which contains the buyer's 'digital signature' 52 (here, we are digitally signing the document using PKI technology — there is not a viewable signature as such). In figure 7, that 'digital signature' 52 can be seen in the lower right hand corner of figure 7.

Referring to figures 8a and 8b, recall from figure 6 that a buyer/customer, sitting at his personal computer 82, can access the 'eZView' server 56 by first accessing the internet. When the server 56 is accessed, an 'automatch' function is initiated by the buyer/customer.

In figure 8a, the buyer/customer is first asked to supply his username and password and click the 'login' icon before the 'automatch' function can begin.

In figure 8b, when the buyer's username and password is supplied and the login icon is clicked, the buyer/customer will then supply either an invoice number 92 and/or a field order number 94 and then click on the word 'search' 90. When the 'search' word 90 is clicked in figure 8b, the 'automatch' function begins its operation.

Referring to figures 9a through 12, a plurality of 'special reports' are illustrated, these 'special reports' being generated by the processor of the 'eZView' server 56 when the 'report generation software', otherwise known as the 'eZView' software, is executed by the processor of the 'eZView' server 56 (see figure 13 for an illustration of the 'eZView' server 56 and its associated processor and its 'eZView' software stored in memory).

In figures 9a-9b, an example of the 'special report' is illustrated. The most important part of the 'special report' pertains to the fact that the Field Order 18 column 96 is immediately adjacent the Invoice column 98 on the 'special report' and, for any one line 100 on the 'special report', information concerning a particular Field Order 100a is immediately adjacent other information concerning a particular Invoice 100b that corresponds to that particular Field Order 100a. In other words, in figures 9a-9b, since the Field Order 100a representing receipt by the buyer of a particular set of goods and/or services corresponds to Invoice 100b representing payment of certain money due the supplier for the aforementioned particular set of goods and/or services, it is highly desirable that the Field Order 100a information in figures 9a-9b be located immediately adjacent its associated Invoice 100b information in figures 9a-9b. In figures 9a-9b, it is noted that a description 102 of the goods and/or services delivered by the supplier to the buyer is also illustrated; as a result, in figures 9a-9b, for a particular set of goods and/or services 100c, a particular Field Order 100a was delivered to the buyer which was acknowledged by the buyer (in the form of the 'digital signature' 52 in figure 6), and a particular Invoice 100b was also delivered to the buyer/customer. When the 'automatch' function is completed, the 'special report' in figure 9 is generated by the processor of the

server 56 in figures 6 and 13, that 'special report' allowing the buyer/customer to easily see and verify the fact that certain goods and/or services 100a were delivered by the supplier to the buyer and a particular invoice 100b associated with those goods and/or services was delivered to the buyer setting forth amounts of money due the supplier for those goods and/or services.

Figures 10, 11, and 12 illustrate other examples of the 'special report' which includes a Field Order 18 column including a plurality of Field Orders, and an Invoice column 20 including a plurality of Invoices which correspond, respectively, to the plurality of Field Orders in the Field Order column.

In figure 10, for example, column 104 includes a description of a plurality of goods and/or services which were delivered by the supplier to the buyer. Column 106 represents a plurality of Field Orders 18 which correspond, respectively, to the plurality of goods and/or services in the description column 104. Recall that the Field Orders 18 resemble the Field Order 18 in figure 7 of the drawings containing a digital signature 52. Column 108 represents a plurality of Invoices 20 which correspond, respectively, to the plurality of Field Orders in column 106. The 'special report' shown in figure 10 was generated by the 'report generation software' (i.e., the 'eZView' software) when the 'automatch' function was executed.

In figures 11 and 12, the 'special reports' shown in figures 11 and 12 are identical in format to the 'special reports' shown in figures 9 and 10; however, in figures 11 and 12, a plurality of comments are displayed. The comments may originate from the buyer when the buyer questions a particular amount on an invoice, or a comment may originate from the supplier when an explanation of an amount or a service is needed. For example, in figure 11, comments 110 and 112 are illustrated. In figure 12, comments 114 and 116 are illustrated.

Referring to figure 13, a more detailed construction of the 'eZView' server 56 in figure 6 is illustrated. In figure 13, the supplier's server 56 (i.e., the 'eZView' server 56) of

figure 6 includes a processor 56a, a memory 56b, and a recorder or display device 56c. The memory 56b stores the 'report generation software' also known as the 'eZView' software 56b1. The memory 56b is a computer readable medium and a program storage device, the contents of which are readable by a processor or other machine, such as the processor 56a. The processor 56a may be, for example, a microprocessor, microcontroller, or a mainframe or workstation processor. The memory 56b, which stores the 'report generation software' or 'eZView' software 56b1, may be, for example, a hard disk, ROM, CD-ROM, DRAM, or other RAM, flash memory, magnetic storage, optical storage, registers, or other volatile and/or non-volatile memory. When the processor 56a executes the 'report generation software' 56b1, the 'special report' is generated by the recorder or display device 56c. Recall that a buyer, at the buyer's personal computer 82 attempts to access the supplier's server 56 via the internet 118. When the server 56 is accessed, when the username and password of figures 8a and 8b are supplied, the 'automatch' function is initiated, whereupon the 'special report' of figures 9-12 is generated enabling the buyer to view one or more field orders 18 and their corresponding invoices 20.

In operation, with reference to figures 1 through 13 of the drawings, when a buyer/customer orders goods and/or services, those goods and/or services are delivered by a supplier to a buyer. When those goods and/or services are delivered by the supplier to the buyer, the buyer will indicate acceptance of the goods and/or services by signing a Field Order 18 in figures 4 or 5. In figure 6, the buyer can view the Field Order 18 on a field engineer's laptop 50, the Field Order 18 including such things as buyer purchase order number, materials and quantities. In figures 6 and 7, the buyer indicates his official acceptance of the goods and/or services by providing his 'digital signature' 52. An XML version of the 'signed Field Order' 18 is then transmitted to the 'eZView' server 56 in figure 6. In addition, in figure 6, the 'signed Field Order' 18 is also transmitted to the supplier's Field Operations office, the 'Office In Box' 60 in figure 6, for additional review and editing of the 'signed Field Order' 18. The supplier, viewing the 'signed Field Order' 18 in the 'Office In Box' 60, can attach any supplier comments and attach any supporting documentation to the 'signed Field Order' 18, in the manner illustrated in

the example Field Orders illustrated by comments 110, 112, 114, and 116 in figures 11 and 12. In addition, the supplier's Field Operations office 60 in figure 6 can also transmit a 'pro forma' invoice along with any other associated supporting documents to the supplier's server 56 in figure 6. In the meantime, a 'signed and edited Field Order' 18 is transferred from the 'office In box' 60 in figure 6 to a mainframe computer 70 in figure 6 for the purpose of creating an 'official Invoice'. Now that the 'official invoice' has been created in the mainframe computer 70, an XML representation of the 'official invoice' is transmitted from the mainframe computer 70 to the 'eZView' server 56 in figure 6. In addition, a 'traditional invoice' is also transmitted from the mainframe computer to the buyer/customer. Assume that the buyer/customer, having the 'traditional invoice' in his hand, wants to see the 'particular Field Order' 18 that corresponds to the 'traditional invoice' in order to match the goods/services on the 'particular Field Order' 18 with the goods/services on the 'traditional invoice'. Consequently, in order to see the 'particular Field Order' 18, the buyer/customer, sitting at his personal computer 82 in figures 6 and 13, accesses the internet 118 in figure 13 and then accesses the supplier's server 56 in figure 6. As illustrated in figures 8a and 8b, the buyer/customer provides his username and password (figure 8a) and the buyer also provides an invoice number 92 and/or a Field Order number 94 (figure 8b). At this point, the buyer clicks the "Search" icon 90 in figure 8b. When the "search" icon 90 in figure 8b is clicked-on by the buyer, the 'automatch' function is immediately initiated. During the execution of the 'automatch' function, the Field Order number 94 in figure 8b is automatically matched with its associated 'official invoice' stored in the server 56, or, alternatively, the Invoice number 92 in figure 8b is automatically matched with its associated Field Order 18 stored in the server 56. When a match is found, between the Field Order number 94 and its 'official invoice' or between the Invoice number 92 and its Field Order, the 'special report' of figures 9a-9b, 10, 11, or 12 is generated. Note in figures 9a-9b that the 'special report' has three columns: a first column having one or more descriptions of the goods and/or services, a second column having one or more Field Orders corresponding, respectively, to the one or more descriptions of the goods and/or services, and a third column having one or more invoices corresponding, respectively, to the one or more field orders under the second column. As noted in figures 9a-9b, each Field Order 18 is printed directly

adjacent to its 'official invoice'; as a result, the buyer can now easily see and verify the fact that the goods/services listed on the Field Order 18 do, in fact, match with the goods/services listed on the 'official invoice'. For example, in figures 9a-9b, under "Field Order", a quantity, unit price, and net amount is printed, whereas, under "Invoice", a quantity, unit price, and net amount is also printed. The quantities, unit prices, and net amounts should match between the Field Order 18 and the Invoice 20 on the 'special report' illustrated in figures 9a through 12. If items do not match, or if the Field Order was not digitally signed, these discrepancies will be noted on the 'special report'. In addition, the unit prices appearing in the 'special report' will be matched with the unit prices appearing in the supplier/buyer contract stored in the contract database 82. The buyer/customer, viewing the 'special report' on his personal computer 82, can also email the supplier's Field Operations Manager 62 in figure 6 (via route 84 in figure 6) to resolve any remaining issues.

A detailed construction of the 'report generation software' 56b1, also known as the 'eZView' software 56b1, of figure 13 is set forth below in the form of a Functional Specification. That Functional Specification of the 'report generation software' 56b1 is provided in detail below, as follows:

Functional Specification of the 'report generation software' 56b1

Refer now to figures 14 through 18 of the drawings.

Oil & Gas (O&G) companies are attempting to improve supply chain execution tasks by leveraging web-based functionality. Clearly today there are a number of areas where cycle time and administrative costs can be reduced by having better accessibility to the right documents at the right decision levels between Schlumberger and these companies. An immediate focus is an electronic invoice approval process, in which Schlumberger invoices can be processed and approved on-line by O&G Company customers, potentially reducing payment delays and administrative work.

In general terms, each O&G Company would like to pass a Schlumberger invoice through three levels of verification and authorization before proceeding with payment.

- 1) Each invoice must refer to a specific purchase order (PO) number, and the total invoice value must be within acceptable limits of an approved amount that is explicitly stated in the reference PO.
- 2) Each invoice then has to be compared with a Field Service Report (also called Field Ticket or Delivery ticket) in order to verify items and quantities of products or services rendered.
- 3) Finally, unit prices, as expressed in each invoice, must be verified against agreed prices, which are typically itemized on a contract basis.

The purpose of the eZView application is to allow Customers web access to compare Field orders and final Invoices.

In figure 14, a schematic representation of the pilot project access and data flow to the web application and database is illustrated.

Application Development Specifications

Database Connection

The Application is connected to an Oracle Database containing the tables:

The Table 'USER' contains all User Accounts having an access to the eZView. This table is maintained by the web application administrator.

The Table COMPANY contains the entries that relate a global company code to individual sold_to or payer codes contained in the INVOICE_HEADER. Company is an entry in the user table. This table is maintained by the web application administrator.

The Table FIELD_ORDER_HEADER contains all header data uploaded from the field order generation system. For the pilot project, this will be the OFS WRS application.

The Table FIELD_ORDER_LINE_ITEM contains all line item data uploaded from the field order generation system. For the pilot project, this will be the OFS WRS application.

The Table INVOICE_HEADER contains all header data (except trading partners) uploaded from the invoicing system. For the pilot project, this will be the NAM SAP system.

The Table INVOICE_HEADER_TP contains the trading partner data. For the pilot project, the source will be the NAM SAP system.

The Table INVOICE_LINE_ITEM contains all line item data uploaded from the invoicing system. For the pilot project, this will be the NAM SAP system.

Each INVOICE will be referenced to a FIELD_ORDER. This relationship will be indexed for faster search and retrieval.

Entries for the USER table and COMPANY table will be maintained via an administration view for the web application. Entries for the FIELD_ORDER and INVOICE tables will be loaded via interfaces to the WRS and SAP systems. The interfaced data will be received by the web application as XML documents.

Core interface – Security

This includes the login page and the main menu from which the user can select the web application functions. This also includes the user management interfaces allowing the Web site administrator to add, remove and modify Users from the User Account Access table.

User Table:

Field	Type/Size	Description
ID	Number(4,0)	Primary Key. Autonumbered with a trigger and a sequence
UserIDInternal	Varchar2(50)	SLB Corporate Directory (LDAP) identifier of the user
UserIDExternal	Varchar2(60)	Trusted Web Server Directory identifier of the user
Name	Varchar2(100)	Full name (based on the "cn" attribute from SLB Corporate Directory or Trusted Web Server Directory)
Email	Varchar2(250)	Email Address (based on the "mail" attribute from SLB Corporate Directory or Trusted Web Server Directory)
UserLevel	Varchar2(50)	Access Level of the user within the site
Company	Varchar2(50)	Company data user is authorized to access - may be multiple entries
Seller	Number(10,0)	Seller data user is authorized to access - may be multiple entries

COMPANY Table:

Field	Type/Size	Description
ID Company	Number(4,0)	Autonumbered with a trigger and a sequence
Company	Varchar2(50)	Key - Reference entered into user table
Company_code	Number(10,0)	Key - Invoicing system company code(s) - may be multiple entries
Company_text	Varchar2(50)	Descriptive text

Internal users will validate via the standard HTK SLB Corporate Directory authentication tool. External users will be validated via a PKI identification to the Trusted Web Server Directory.

Data Model

Table FIELD_ORDER_HEADER:

The FIELD_ORDER_TABLE will capture the header information from the field order upload, including the digital signature of the Customer wellsite representative.

Field	Type/Size	Description
ID_FIELD_ORDER_HEADER	Number(10,0)	Autonumbered with a trigger and a sequence
<DocumentPurpose>	Varchar2(60)	Text field
<OriginalInvoiceNumber>	Number(10,0)	** will not be used in pilot, but will be a future K
<PurchaseOrderDate>	Date	Date of PO
<PurchaseOrderNumber>	Varchar2(50)	PO number
<ReleaseNumber>	Varchar2(50)	Reserve for future

<ChangeOrderSequenceNumber>	Varchar2(50)	Reserve for future
<FieldServiceOrderNumber>	Number(10,0)	Key - Reference number to FIELD_ORDER tables
<ContractNumber>	Varchar2(50)	** Will not be used in pilot, but will be future Key
	Varchar2(10)	Currency of invoice amount
<Currency>	Varchar2(50)	AFE Number
<AFENumber>	Varchar2(50)	Reserve for future
<DeliveryTicketNumber>	Number(10,0)	Reserve for future
<InternalCustomerNumber>	Number(10,0)	** Will not be used in pilot, but will be future Key
<JobNumber>	Varchar2(30)	Reference number to FIELD_ORDER tables
		Well Number
<WellNumber>	Varchar2(50)	Well Name
<WellName>	Varchar2(50)	Well Location
<WellLocation>	Varchar2(10)	Well location number
<LocationNumber>	Varchar2(50)	Well location
<WellCountyParishBorough>	Varchar2(50)	Well location
<OffshoreZone>	Varchar2(50)	Well location
<FieldName>	Varchar2(50)	Well location
<ShipDate>	Date	Date
<ServiceStartDate>	Date	Date
<ServiceEndDate>	Date	Date
<Carrier>	Varchar2(60)	Reserve for future
	Number(10,0)	Customer ship to number
<CustomerShipToNumber>	Varchar2(50)	Customer Name
<CustomerShipToName>	Varchar2(50)	Customer Address line
<CustomerShipToAddress1>	Varchar2(50)	Customer Address line
<CustomerShipToAddress2>	Varchar2(50)	Customer Address line
<CustomerShipToPOBox>	Varchar2(50)	Customer Address line
<CustomerShipToCity>	Varchar2(50)	Customer Address line
<CustomerShipToState-ProvinceCode>	Varchar2(50)	Customer Address line
<CustomerShipToPostalCode>	Varchar2(50)	Reserve for future
<CustomerShipToCountryCode>	Number(15,0)	DUNS
<CustomerDUNSPlus4Number>	Number(10,0)	DUNS
<CustomerDUNSNumber>	Number(10,0)	** Will not be used in pilot, but will be future Key
<SellerNumber>	Varchar2(50)	Seller Name
<SellerName>	Varchar2(50)	Seller Address line
<SellerAddress1>	Varchar2(50)	Seller Address line
<SellerAddress2>	Varchar2(50)	Seller Address line
<SellerPOBox>	Varchar2(50)	Seller Address line
<SellerCity>	Varchar2(50)	Seller Address line
<SellerState-ProvinceCode>	Varchar2(50)	Seller Address line
<SellerPostalCode>	Varchar2(50)	Seller Address line
<SellerCountryCode>	Varchar2(50)	Seller Address line
<CustomerJobRepName>	Varchar2(50)	Customer contact name
<CustomerJobRepTelephone>	Varchar2(50)	Customer contact telephone number
<CustomerJobRepFax>	Varchar2(50)	Customer contact fax number
<CustomerJobRepEmail>	Varchar2(250)	Customer contact email address
<OrderAmountBeforeTax>	Currency(10,2)	Amount
<DigitalSignatureCookie>	Binary(1024)	Field Order Digital Signature

Table FIELD_ORDER_LINE_ITEM

This table will capture the line items uploaded for each field order.

Field	Type/Size	Description
ID_FIELD_ORDER_LINE_ITEM	Number(10,0)	Autonumbered with a trigger and a sequence
<FieldServiceOrderNumber>	Number(10,0)	Key - Reference number to FIELD_ORDER tables
<JobNumber>	Number(10,0)	** Will not be used in pilot, but will be future Alternate Key
<LineItemLineNumber>	Number(10,0)	Reference number to FIELD_ORDER tables
<LineItemHighLevelReference>	Varchar2(50)	Line Item Number
<LineItemCustomerItemNumber>	Varchar2(50)	Line item reference code
<LineItemCustomerItemDescription>	Varchar2(50)	Line item reference code
<LineItemSellerItemNumber>	Varchar2(50)	Text
<LineItemSellerItemDescription>	Varchar2(50)	Line item reference code
<LineItemQuantity>	Number(10,0)	Line item reference code
<LineItemUOM>	Varchar2(50)	Line item quantity
<LineItemUnitPrice>	Currency(10,2)	Unit of measure
<LineItemGrossValue>	Percent (4,2)	Amount
<LineItemDiscountAmount>	Currency(10,2)	Amount
<LineItemDiscountPercent>	Percent (4,2)	Amount
<LineItemSurchargeAmount>	Currency(10,2)	Percent
<LineItemSurchargePercent>	Percent (4,2)	Amount
<LineItemNetValue>	Currency(10,2)	Percent
<Comment>	Varchar2(100)	Amount
		Comment Text

Table INVOICE_HEADER:

The INVOICE_HEADER table will capture the header information from the invoice upload.

Field	Type/Size	Description
ID_INVOICE_HEADER	Number(10,0)	Autonumbered with a trigger and a sequence
InvoiceDate	Date	Invoice Date
DocCreatedDate	Date	Date Idoc was created
InvoiceNumber	Number(10,0)	Primary Key - Invoice Number
DocumentPurpose	Varchar2(5)	Text field
OriginalInvoiceNumber	Number(10,0)	** will not be used in pilot, but will be a future Key
PurchaseOrderDate	Date	Date of PO
PurchaseOrderNumber	Varchar2(25)	PO number
ReleaseNumber	Varchar2(25)	Reserve for future
ChangeOrderSequenceNumber	Varchar2(25)	Reserve for future
SLBOrderNumber	Number(10,0)	Schlumberger Order Number
FieldServiceOrderNumber	Number(10,0)	Foreign Key - Reference number to FIELD_ORDER table
ContractNumber	Varchar2(50)	** Will not be used in pilot, but will be future Key
Currency	Varchar2(5)	Currency of invoice amount
AFE	Varchar2(50)	AFE Number

DeliveryTicketNumber	Varchar2(50)	Reserve for future
InternalCustomerNumber	Number(10.0)	Reserve for future
JobNumber	Number(10.0)	** Will not be used in pilot, but will be future Alternate Key number to FIELD_ORDER tables
WellNumber	Varchar2(25)	Well Number
WellName	Varchar2(50)	Well Name
WellLocation	Varchar2(50)	Well Location
LocationNumber	Varchar2(25)	Well location number
WellCountyParishBorough	Varchar2(50)	Well location
OffshoreZone	Varchar2(50)	Well location
FieldName	Varchar2(50)	Well location
ShipDate	Date	Date
ServiceStartDate	Date	Date
ServiceEndDate	Date	Date
Carrier	Varchar2(50)	Reserve for future
Data1	Varchar2(50)	Required trading partner information. Varies depending on
Data2	Varchar2(50)	Required trading partner information. Varies depending on
Data3	Varchar2(50)	Required trading partner information. Varies depending on
Data4	Varchar2(50)	Required trading partner information. Varies depending on
Data5	Varchar2(50)	Required trading partner information. Varies depending on
Data6	Varchar2(50)	Required trading partner information. Varies depending on
Data7	Varchar2(50)	Required trading partner information. Varies depending on
Data8	Varchar2(50)	Required trading partner information. Varies depending on
TermsDiscountDueDate	Date	Date
TermsDiscountDaysDue	Number(10.0)	Days due
TermsNetDueDate	Date	Date
TermsNetDays	Number(10.0)	Net days
TermsDescription	Varchar2(50)	Text
TermsDiscountAmount	Number(10.2)	Amount
TotalGrossInvoiceAmount	Number(10.2)	Amount
TotalDiscountAmount	Number(10.2)	Amount
InvoiceAmountBeforeTax	Number(10.2)	Amount
GrossReceiptsTaxBasis	Number(10.2)	Amount
GrossReceiptsTaxPercent	Number(4,3)	Tax percentage
GrossReceiptsTaxAmount	Number(10.2)	Tax amount
CountyParishBoroughTaxBasis	Number(10.2)	Amount
CountyParishBoroughTaxPercent	Number(4,3)	Tax percentage
CountyParishBoroughTaxAmount	Number(10.2)	Tax amount
MetropolitanTaxBasis	Number(10.2)	Amount
MetropolitanTaxPercent	Number(4,3)	Tax percentage
MetropolitanTaxAmount	Number(10.2)	Tax amount
Local1TaxBasis	Number(10.2)	Amount
Local1TaxPercent	Number(4,3)	Tax percentage
Local1TaxAmount	Number(10.2)	Tax amount
Local2TaxBasis	Number(10.2)	Amount
Local2TaxPercent	Number(4,3)	Tax percentage
Local2TaxAmount	Number(10.2)	Tax amount
Local3TaxBasis	Number(10.2)	Amount
Local3TaxPercent	Number(4,3)	Tax percentage
Local3TaxAmount	Number(10.2)	Tax amount
StateTaxBasis	Number(10.2)	Amount

StateTaxPercent	Number(4,3)	Tax percentage
StateTaxAmount	Number(10,2)	Tax amount
WellServiceTaxBasis	Number(10,2)	Amount
WellServiceTaxPercent	Number(4,3)	Tax percentage
WellServiceTaxAmount	Number(10,2)	Tax amount

Table INVOICE HEADER_TP

Field	Type/Size	Description
ID_INVOICE_HEADER_TP	Number(10,0)	Autonumbered with a trigger and a sequence Foreign Key , referencing the Primary Key INV_NO in INVOICE_HEADER table
InvoiceNumber	Number(10)	Trading Partner Type, ie Bill-To, Ship-To, etc
Type	Varchar2(20)	Number assigned to this trading partner
Number	Number(20)	SLB number at the trading partner's location. Not always n
NumAtCust	Number(20)	1st name assigned to trading partner
Name1	Varchar2(50)	2nd name assigned to trading partner
Name2	Varchar2(50)	3rd name assigned to trading partner
Name3	Varchar2(50)	4th name assigned to trading partner
Name4	Varchar2(50)	1st address of trading partner
Address1	Varchar2(50)	2nd address of trading partner
Address2	Varchar2(50)	PO Box number of trading partner
POBox	Varchar2(20)	City of trading partner
City	Varchar2(50)	County of trading partner
CountyParishBorough	Varchar2(50)	Trading partner's district
District	Varchar2(50)	State or province of trading partner
StateProvince	Varchar2(5)	Street address zip code
PostalCodeStreet	Varchar2(15)	PO box zip code
PostalCodePOB	Varchar2(15)	Trading partner's country
Country	Varchar2(5)	Trading partner's telephone number
Telephone	Varchar2(15)	Trading partner's fax number
Fax	Varchar2(15)	Data required by trading partner
YourRef	Varchar2(50)	Language code
Language	Varchar2(1)	Data entry personnel's alias
DataEntryAlias	Varchar2(30)	Schlumberger division corresponding to product line codes STCD, etc
Organization	Varchar2(50)	

Table INVOICE LINE ITEM

The INVOICE_LINE_ITEM table will capture the line item information from the invoice upload. It will also have an additional entry to mark each Line item with a binary digital signature token.

Field	Type/Size	Description
ID_INVOICE_LINE_ITEM	Number(10,0)	Autonumbered with a trigger and a sequence
<InvoiceNumber>	Number(10,0)	Key – Invoice Number
<DigitalSignatureCookie>	Binary(1024)	Invoice item Digital Signature

<LineItemLineNumber>	Number(10,0)	Line Item Number
<LineItemHighLevelReference>	Varchar2(50)	Line item reference code
<LineItemCustomerItemNumber>	Varchar2(50)	Line item reference code
<LineItemCustomerItemDescription>	Varchar2(50)	Text
<LineItemSellerItemNumber>	Varchar2(50)	Line item reference code
<LineItemSellerItemDescription>	Varchar2(50)	Line item reference code
<LineItemQuantity>	Number(10,0)	Line item quantity
<LineItemUOM>	Varchar2(50)	Unit of measure
<LineItemUnitPrice>	Currency(10,2)	Amount
<LineItemGrossValue>	Percent (4,2)	Amount
<LineItemDiscountAmount>	Currency(10,2)	Amount
<LineItemDiscountPercent>	Percent (4,2)	Percent
<LineItemSurchargeAmount>	Currency(10,2)	Amount
<LineItemSurchargePercent>	Percent (4,2)	Percent
<LineItemNetValue>	Currency(10,2)	Amount
<LineItemGrossReceiptsTaxBasis>	Varchar2(50)	Tax Basis
<LineItemGrossReceiptsTaxPercent>	Percent (4,2)	Tax percentage
<LineItemGrossReceiptsTaxAmount>	Currency(10,2)	Tax amount
<LineItemCountryParishBoroughTaxBasis>	Varchar2(50)	Tax Basis
<LineItemCountryParishBoroughTaxPercent>	Percent (4,2)	Tax percentage
<LineItemCountryParishBoroughTaxAmount>	Currency(10,2)	Tax amount
<LineItemMetropolitanTaxBasis>	Varchar2(50)	Tax Basis
<LineItemMetropolitanTaxPercent>	Percent (4,2)	Tax percentage
<LineItemMetropolitanTaxAmount>	Currency(10,2)	Tax amount
<LineItemLocal1TaxBasis>	Varchar2(50)	Tax Basis
<LineItemLocal1TaxPercent>	Percent (4,2)	Tax percentage
<LineItemLocal1TaxAmount>	Currency(10,2)	Tax amount
<LineItemLocal2TaxBasis>	Varchar2(50)	Tax Basis
<LineItemLocal2TaxPercent>	Percent (4,2)	Tax percentage
<LineItemLocal2TaxAmount>	Currency(10,2)	Tax amount
<LineItemLocal3TaxBasis>	Varchar2(50)	Tax Basis
<LineItemLocal3TaxPercent>	Percent (4,2)	Tax percentage
<LineItemLocal3TaxAmount>	Currency(10,2)	Tax amount
<LineItemStateTaxBasis>	Varchar2(50)	Tax Basis
<LineItemStateTaxPercent>	Percent (4,2)	Tax percentage
<LineItemStateTaxAmount>	Currency(10,2)	Tax amount
<LineItemWellServiceTaxBasis>	Varchar2(50)	Tax Basis
<LineItemWellServiceTaxPercent>	Percent (4,2)	Tax percentage
<LineItemWellServiceTaxAmount>	Currency(10,2)	Tax amount
<Comment>	Varchar2(100)	Comment Text

Key functions

The eZView web application is where the field service report and invoice are compared. This application will allow selection of a requested invoice, comparison of items and quantity between field service report and invoice, plus capture of digital signature of

customer approving any displayed differences by line item. This application will also secure access to the invoices between different customers.

The underlying application database will capture field orders, invoices and digital signatures.

Navigation in the application

Access

External users will access the application via an extranet facing web server and have their PKI key validated by a Customer Directory.

Internal users will access the application directly via the intranet, and will validate themselves via standard HTK objects to the SLB Corporate Directory (LDAP).

Once both External and Internal users have passed initial checks to access the eZView application, they will need to be validated against the User table before gaining access to Invoice records. Users will be assigned one of three levels of access:

- a) Administrator – Full rights to create users and maintain the application.
- b) Customer – View Field orders and Invoices in approved customer companies, add comments to Invoice line items, and digitally sign Invoice line items not matched against the Field order.
- c) Seller – View Field orders and Invoices in approved Customer Companies and add comments to Field Order Line Items.
- d) View – View Field orders and Invoices in approved customer companies.

The initial application screen will offer all users the choices to:

- a) Search by Invoice Number
- b) Search by Field Order Number
- c) Log out and exit

In addition, users assigned Administrator access will have an additional selection to:

- d) Access User Administration

to create or change user access.

Select Invoice and Order to Match

The user will enter either the Invoice number or Field order number to initiate the search. The indexed INVOICE_HEADER or FIELD_ORDER_HEADER tables will be searched for a matching entry.

If an Invoice number is used for the search and a match is found in <InvoiceNumber> of the INVOICE_HEADER table, the <FieldServiceOrderNumber> from the matched INVOICE_HEADER entry will be used as the source of a search in <FieldServiceOrderNumber> of the FIELD_ORDER_HEADER table.

If a Field Order Number is entered for a search, the <FieldServiceOrderNumber> of both INVOICE_HEADER and FIELD_ORDER_HEADER will be searched for a match.

If a record in the INVOICE_HEADER selected is matched by either search method, users assigned Customer access rights will have the <CustomerBillToNumber> and <CustomerShipToNumber> in the INVOICE_HEADER table compared to the Company_code in the Company table referenced by the users Company entry in the User table. If either the <CustomerBillToNumber> or <CustomerShipToNumber> match a Company_code assigned to user, the use will be authorized to access the Invoice data. If no Company_code match is found, the user will be returned to the selection screen with a message indicating they do not have access to the referenced Company_code.

If no <InvoiceNumber> match is found for an Invoice number search, the user will be returned to the selection screen with a message that no match was found.

If no <FieldServiceOrderNumber> match is found for a Field Order Number search in the INVOICE_HEADER table, a user with Customer access rights will be returned to the selection screen with a message that no match was found. If the user has Seller access rights and there is a <FieldServiceOrderNumber> match in the FIELD_ORDER_HEADER table, they will be forwarded to the comparison screen. A browser 'Back' button should also log the user out.

Refer to figure 15.

Display and Comparison of Field Order and Invoice - This screen has seven different Areas populated from the INVOICE_HEADER, INVOICE_HEADER_TP, INVOICE_LINE_ITEM and FIELD_ORDER_LINE_ITEM tables. (In the event a user

has Seller access rights and no INVOICE_HEADER match was found, the FIELD_ORDER_HEADER table will be used in place of the INVOICE_HEADER table)

In figure 16, the screen layout is illustrated in figure 16.

Area 1 – This area contains the Well Header information. It is populated from the INVOICE_HEADER and INVOICE_HEADER_TP tables (unless no Invoice yet exists..see above). It is formatted to appear as a standard Schlumberger OFS Invoice header (see appendix 1).

Area 2 – This area contains Line Item line number, material and description. It is populated from the INVOICE_LINE_ITEM table as primary, or FIELD_ORDER_LINE_ITEM table if no match exists in the INVOICE_LINE_ITEM table. All line items that reference the <InvoiceNumber> in the selected INVOICE_HEADER table record will be checked for match. This area must lock with Areas 3, 4, 5 and, when the entries that populate area 3 match the entries in area 4, the default text font color will be used. When there is no match., a high lighting color will be used for the line item font (red as an example).

The INVOICE_LINE_ITEMS and FIELD_ORDER_LINE_ITEMS will be checked, then grouped by <LineItemHighLevelReference>. Within each group the low level materials description <LineItemSellerItemDescription> will be displayed by <LineItemSellerItemNumber> in the order 6VDESURCH, 6XDEPCHG, 6XOPECHG, 6XFLATCH, 6XGRDEPH-1, 6XGROPE-1 if present.

Area 3 – This area contains the Field Order quantity <LineItemQuantity>, Unit Price <LineItemUnitPrice>, % discount <LineItemDiscountPercent> and Net amount <LineItemNetValue>. It is populated from the FIELD_ORDER_LINE_ITEM table. All line items that reference the <FieldServiceOrderNumber> in the selected INVOICE_HEADER table record will be displayed. Each line item will be aligned with the corresponding High <LineItemHighLevelReference> and Low <LineItemSellerItemNumber> level material sorted in Area 2. When the Field Order

quantity <LineItemQuantity> and Net amount <LineItemNetValue> in area 3 matches a line item in area 4, the default text font color will be used. When there is no match., a high lighting color will be used for the line item font (red as an example).

Area 4 – This area contains the Invoice <LineItemQuantity>, Unit Price <LineItemUnitPrice>, % discount <LineItemDiscountPercent> and Net amount <LineItemNetValue>. It is populated from the INVOICE_LINE_ITEM table. All line items that reference the <InvoiceNumber> in the selected INVOICE_HEADER table record will be displayed. Each line item will be aligned with the corresponding High <LineItemHighLevelReference> and Low <LineItemSellerItemNumber> level material sorted in Area 2. When the Invoice quantity <LineItemQuantity> and Net amount <LineItemNetValue> in area 4 matches a line item in area 3, the default text font color will be used. When there is no match., a high lighting color will be used for the line item font (red as an example).

Area 2, 3, & 4 – If any line item contains a non-null value in <Comment>, the text in <Comment> should appear in a text box when the cursor passes over the appropriate line item.

Area 5 – This area will contain a check symbol if the line item quantity <LineItemQuantity> and Net amount <LineItemNetValue> in areas 3 and 4 match on the same line.

Area 6 – This area will contain a star symbol if the line items in areas 3 and 4 match and the referenced FIELD_ORDER_HEADER table <DigitalSignatureCookie> contains a digital signature cookie. If the line item in Area 3 does not match the corresponding line item in Area 4, the Area will contain a star symbol if the INVOICE_LINE_ITEM table <DigitalSignatureCookie> contains a digital signature cookie. Otherwise, the line will contain an empty box .

Area 7 – This area will contain summary information, navigation and digital signature action buttons. The summary information to be displayed:

1. Field Order has been digitally signed (<DigitalSignatureCookie> from FIELD_ORDER_HEADER).
2. Number of non-tax lines that match between Field order and Invoice.
3. Number of non-tax lines that do not match between Field order and invoice that have been digitally signed on the invoice (<DigitalSignatureCookie> from INVOICE_LINE_ITEM).
4. Indicator that all line items resulting in Invoice pre-tax total have been digitally signed.
5. Percentage difference between Field order and pre-tax Invoice totals.

Action buttons that will be available:

1. Digitally sign a selected unmatched Invoice line item.
2. Digitally sign ALL remaining unmatched line items.
3. Return to selection screen.
4. Log off and exit application.

Refer to figure 17.

Generic manipulation of #objectname1# (attached to tablename1)

Search

- | | |
|--|-------------------------|
| • #Fieldname# | Selection type |
| • <InvoiceNumber> INVOICE_HEADER | Match from screen input |
| • <FieldServiceOrderNumber> FIELD_ORDER_HEADER | Match from screen input |

Display

When the criteria has been defined and accepted on the 1st screen the 2nd screen is displaying the result into the previously described format showing the following information in several columns:

Field Source	Area 2 Source	Area
1. <LineItemHighLevelReference> INVOICE_LINE_ITEM	FIELD_ORDER_LINE_ITEM	3
2. <LineItemSellerItemNumber> INVOICE_LINE_ITEM	FIELD_ORDER_LINE_ITEM	
3. <LineItemSellerItemDescription> INVOICE_LINE_ITEM	FIELD_ORDER_LINE_ITEM	
4. <LineItemQuantity> INVOICE_LINE_ITEM	FIELD_ORDER_LINE_ITEM	
5. <LineItemUnitPrice> INVOICE_LINE_ITEM	FIELD_ORDER_LINE_ITEM	
6. <LineItemGrossValue> INVOICE_LINE_ITEM	FIELD_ORDER_LINE_ITEM	
7. <LineItemDiscountAmount> INVOICE_LINE_ITEM	FIELD_ORDER_LINE_ITEM	
8. <LineItemNetValue> INVOICE_LINE_ITEM	FIELD_ORDER_LINE_ITEM	

Add

See sections 4.2.1 and 4.2.2 for fields and tables to be added for new user accounts.

INVOICE and FIELD_ORDER HEADER and LINE_ITEM data will be delivered from external applications in XML format. The application should read from a FIELD_ORDER directory for Field orders, and an INVOICE directory for Invoices. The XML tag definitions should be referenced by the application from external files XML_TAG_FIELD_ORDER and XML_TAG_INVOICE to provide maintenance capability for the XML tags.

The naming convention to be used for the Field Order files in FO(field order #).xml

The naming convention to be used for Invoice files are INVOICE(invoice #).xml

Update

See sections 4.2.1 and 4.2.2 for fields and tables to be updated for user accounts.

The <DigitalSignatureCookie> field of the INVOICE_LINE_ITEM can be updated with the digital signature of the Customer logged in.

Refer to figure 18.

Appendix 2 – XML invoice

```

<?xml version="1.0" ?>
- <!--
  ?xml-style-sheet type="text/xsl" href="amoco.xsl"?
-->
- <Invoice Number="9090198 186">
- <Header>
-   <InvoiceDate>19980730</InvoiceDate>
-   <DocCreatedDate>20001011</DocCreated Date>
-   <DocumentPurpose>Debit</DocumentPurpose>

-   <OriginalInvoiceNumber>9090198186</ OriginalInv
-   oiceNumber>

-   <PurchaseOrderNumber>ZHWSOTGEN1< /PurchaseO
-   rderNumber>
-   <PurchaseOrderDate />
-   <POReleaseNumber />
-   <SLBOrderNumber>000017604</SLBOrde rNumber>
-   <AFE />
-   <CustomerContractNum b er />
-   <CustomerRepOnLocation>H.
-   SANDERS</CustomerRepOnLocation>
-   <WBSNumber />
-   <SLBCrewLeader>Mr. W aldo
-   Martinez</SLBCrewLe ader>

-   <FieldServiceOrderNumber>1175159</FieldService
-   OrderNumber>
-   <WellNumber>25-4</W ellNumber>
-   <WellName>TWO RIM UNIT</WellName>
-   <WellLocation>SEC:25 T:19N R:95W</WellLocation>
-   <LocationNumber>TWO RIM UNIT 25-
-   4</LocationNumber>

-   <WellCountyParishBorough>SWEETWATER</WellCo
-   unt yParishBorough>
-   <FieldName>WILD ROSE</FieldName>
-   <ServiceStartDate>19980722</ServiceStartDate>
-   <ServiceEndDate>19980722</ServiceEnd Date>
-   <Carrier>STC US(Wireline Test)</Carrier>

```

```

<Data1 />
<Data2 />
<Data3 />
<Data4 />
<Data5 />
<Data6 />
<Data7 />
<Data8 />
= <TradingPartner Type="Invoicing Party" >
  <Number>STCW</Number>
  <NumAtCust>0010000364</NumAtCust>
  <Name1>Schlumberger Well Services
    (NAM)</Name1 >
  <Name2 />
  <Name3 />
  <Name4>STCW</Name4>
  <Address1 />
  <Address2 />
  <POBox>201193</POBox>
  <City>Houston</City>
  <CountyParishBorough />
  <District />
  <StateProvince>TX</StateProvince>
  <PostalCodeStreet />
  <PostalCodePOB>772161193</PostalCodePOB>
  <Country>US</Country>
  <Telephone>(281) 285-8700</Telephone>
  <Fax>(281) 285-8548</Fax>
  <YourRef />
  <Language>E</Language>
  <DataEntryAlias>JOHNSON12</DataEntryAlias>
  <Organization>STCW</Organization>
</TradingPartner>
= <TradingPartner Type="Remit-To">
  <Number>STCW</Number>
  <NumAtCust>0010000364</NumAtCust>
  <Name1>Schlumberger Well Services
    (NAM)</Name1 >
  <Name2>A Division of Schlumberger</Name2>
  <Name3 />
  <Name4>STCW</Name4>

```

<Address1 />
<Address2 />
<POBox>**201193**</POBox>
<City>**Houston**</City>
<CountyParishBorough />
<District />
<StateProvince>**TX**</StateProvince>
<PostalCodeStreet />
<PostalCodePOB>**77216-1193**</PostalCodePOB>
<Country>**US**</Country>
<Telephone>**(281) 285-8700**</Telephone>
<Fax>**(281) 285-8548**</Fax>
<YourRef />
<Language>**E**</Language>
<DataEntryAlias>**JOHNSON12**</DataEntryAlias>
<Organization>**STCW**</Organization>
</TradingPartner>
= <TradingPartner Type="Crew Leader">
 <Number>**00506956**</Number>
 <SLBAAtCustomerLocation />
 <Name1>**Mr. Waldo Martinez**</Name1>
 <Name2 />
 <Name3 />
 <Name4 />
 <Address1>**503A Turret Drive**</Address1>
 <Address2 />
 <POBox>**2088**</POBox>
 <City>**Rock Spring**</City>
 <CountyParishBorough />
 <District />
 <StateProvince>**WY**</StateProvince>
 <PostalCodeStreet>**82930**</PostalCodeStreet>
 <PostalCodePOB />
 <Country>**US**</Country>
 <Telephone>**(307) 362-9350**</Telephone>
 <Fax />
 <YourRef>**FOREMAN**</YourRef>
 <Language>**E**</Language>
 <DataEntryAlias />
 <Organization />
</TradingPartner>

```

= <TradingPartner Type="Carrier">
  <Number />
  <SLBAtCustomerLocation />
  <Name1>STC US (WirelineTest)</Name1>
  <Name2 />
  <Name3 />
  <Name4>STCW</Name4>
  <Address1 />
  <Address2 />
  <POBox />
  <City />
  <CountyParish Borough />
  <District />
  <StateProvince />
  <PostalCodeStreet />
  <PostalCodePOB />
  <Country />
  <Telephone />
  <Fax />
  <YourRef />
  <Language />
  <DataEntryAlias />
  <Organization />
</TradingPartner>
= <TradingPartner Type="Bill-To">
  <Number>0010000364</Number >
  <NumAtCust> STCW</NumAtCust>
  <Name1>BILL'S OIL COMPANY</Name1>
  <Name2>MOXA ARCH / WAMSUTTER
    OPERATIONS</Name2>
  <Name3 />
  <Name4 />
  <Address1 />
  <Address2 />
  <POBox>157 </POBox>
  <City>WAMSUTTER</City>
  <CountyParishBorough />
  <District>SWEETWATER</District >
  <StateProvince>WY</StateProvince>
  <PostalCodeStreet />
  <PostalCodePOB>82336</PostalCodePOB>

```

<Country>**US**</Country>
<Telephone>**918-581-3011**</Telephone>
<Fax />
<YourRef>**FOREMAN**</YourRef>
<Language>**E**</Language>
<DataEntryAlias />
<Organization />
</TradingPartner>
= <TradingPartner Type="Sold-To">
 <Number>**0010000364**</Number>
 <NumAtCust>**STCW**</NumAtCust>
 <Name1>**BILL'S OIL COMPANY**</Name1>
 <Name2>**MOXA ARCH / WAMSUTTER
 OPERATIONS**</Name2>
 <Name3 />
 <Name4>**H. SANDERS**</Name4>
 <Address1 />
 <Address2 />
 <POBox>**157**</POBox>
 <City>**WAMSUTTER**</City>
 <CountyParishBorough />
 <District>**SWEETWATER**</District>
 <StateProvince>**WY**</StateProvince>
 <PostalCodeStreet />
 <PostalCodePOB>**82336**</PostalCodePOB>
 <Country>**US**</Country>
 <Telephone>**918-581-3011**</Telephone>
 <Fax />
 <YourRef>**FOREMAN**</YourRef>
 <Language>**E**</Language>
 <DataEntryAlias />
 <Organization />
</TradingPartner>
= <TradingPartner Type="Ship-To">
 <Number>**0010000364**</Number>
 <NumAtCust>**STCW**</NumAtCust>
 <Name1>**BILL'S OIL COMPANY**</Name1>
 <Name2>**MOXA ARCH / WAMSUTTER
 OPERATIONS**</Name2>
 <Name3 />
 <Name4 />

```

    <Address1 />
    <Address2 />
    <POBox> 157</POBox>
    <City>WAMSUTTER</City>
    <CountyParishBorough />
    <District>SWEETWATER</District>
    <StateProvince>WY</StateProvince>
    <PostalCodeStreet />
    <PostalCodePOB>82336</PostalCodePOB>
    <Country>US</Country>
    <Telephone>918-581-3011</Telephone>
    <Fax />
    <YourRef>FOREMAN</YourRef>
    <Language>E</Language>
    <DataEntryAlias />
    <Organization />
  </TradingPartner>
= <Terms>
  <InvoiceDate>19980730</InvoiceDate>
  <DueDate>19980829</DueDate>
  <NetDays>30</NetDays>
  <TermsDescription>30 Days
    Net</TermsDescription>
</Terms>
</Header>
= <LineItem Number="000010">
  <ProductService ID="6111010 5C">SET-C - Service
    Charge CSU PS</ProductService>
  <Quantity>1.000</Quantity>
  <UOM />
  <HigherLevelReference />
  <PurchaseOrderNumber
    Line="">ZHWSOTGEN1</PurchaseOrderNumber>
  <GrossPricePerUOM />
  <NetPricePerUOM />
  <ExtendedGrossPrice />
  <Discount />
  <ExtendedNetPrice />
  <GrossReceiptsTax />
  <CountyParishTax />
  <StateTax />

```

```

    <WellserviceTax />
    <MetropolitanTax />
    <Local1Tax />
    <Local2Tax />
    <Local3Tax />
  </LineItem>
- <LineItem Number="000020">
  <ProductService ID="6XFLATCHL">Service Flat
    Charge - Land</ProductService>
  <Quantity>1.000</Quantity>
  <UOM>EA</UOM>

    <HigherLevelReference>000010</HigherLevelReference>
  <PurchaseOrderNumber
    Line="">ZHWSOTGEN1</PurchaseOrderNumber>
  <GrossPricePerUOM>540.0000</GrossPricePerUOM>
  <NetPricePerUOM>540.00</NetPricePerUOM>
  <ExtendedGrossPrice>540.00</ExtendedGrossPrice>
  <Discount Multiplier=".646">-348.92</Discount>
  <ExtendedNetPrice>191.08</ExtendedNetPrice>
  <GrossReceiptsTax Rate="4.000"
    Basis="191.08">7.64</GrossReceiptsTax>
  <CountyParishTax Rate="1.000"
    Basis="191.08">1.91</CountyParishTax>
  <StateTax />
  <WellserviceTax />
  <MetropolitanTax />
  <Local1Tax />
  <Local2Tax />
  <Local3Tax />
</LineItem>
- <LineItem Number="000030">
  <ProductService ID="6XSERCHGD">Service Depth
    Charge</ProductService>
  <Quantity>10515.000</Quantity>
  <UOM>FT</UOM>

    <HigherLevelReference>000010</HigherLevelReference>
  <PurchaseOrderNumber
    Line="">ZHWSOTGEN1</PurchaseOrderNumber>

```

```

<GrossPricePerUOM>0.14000</GrossPricePerUOM>
<NetPricePerUOM>0.04954</NetPricePerUOM>
<ExtendedGrossPrice>1472.10</ExtendedGrossPrice>
<Discount Multiplier="0.646" >-951.19</Discount>
<ExtendedNetPrice>520.91 </ExtendedNetPrice>
<GrossReceiptsTax Rate="4.000"
  Basis="520.91">20.84</GrossReceiptsTax>
<CountyParishTax Rate="1.000"
  Basis="520.91">5.21</CountyParishTax>
<StateTax />
<WellserviceTax />
<MetropolitanTax />
<Local1Tax />
<Local2Tax />
<Local3Tax />
</LineItem>
= <LineItem nUMBER="000040">
  <ProductService ID="61010100dc">PD -Perforating
    Depth Control</ProductService>
  <Quantity>1.000</Quantity>
  <UOM />
  <HigherLevelReference />
  <PurchaseOrderNumber
    Line="">ZHWSOTGEN1< /PurchaseOrderNumber>
  <GrossPricePerUOM />
  <NetPricePerUOM />
  <ExtendedGrossPrice />
  <Discount />
  <ExtendedNetPrice />
  <GrossReceiptsTax />
  <CountyParishTax />
  <StateTax />
  <WellserviceTax />
  <MetropolitanTax />
  <Local1Tax />
  <Local2Tax />
  <Local3Tax />
</LineItem>
= <LineItem Number="000050">
  <ProductService ID="6XDE PDCGR">Depth - PDC-
    Gamma Ray</ProductService>

```

<Quantity>**10515.000**</Quantity>
 <UOM> **FT**</UOM>

<HigherLevelReference>**000040**</HigherLevelReference>

<PurchaseOrderNumber

Line="">**ZHWSOTGEN1**</PurchaseOrderNumber>

<GrossPricePerUOM>**0.25000**</GrossPricePerUOM>

<NetPricePerUOM>**0.08846**</NetPricePerUOM>

<ExtendedGrossPrice>**2628.75**</ExtendedGrossPrice>

<Discount Multiplier="0.646">**-1698.55**</Discount>

<ExtendedNetPrice>**930.20**</ExtendedNetPrice>

<GrossReceiptsTax Rate="4.000"

Basis="**930.20**">**37.21**</GrossReceiptsTax>

<CountyParishTax Rate="1.000"

Basis="**930.20**">**9.30**</CountyParishTax>

<StateTax />

<WellserviceTax />

<MetropolitanTax />

<Local1 Tax />

<Local2 Tax />

<Local3 Tax />

</LineItem>

= <LineItem Number="000060">

<ProductService ID="6X0PPDCGR">**Operation - PDC-Gamma Ray**</ProductService>

<Quantity>**2015.000**</Quantity>

<UOM> **FT**</UOM>

<HigherLevelReference>**000040**</HigherLevelReference>

<PurchaseOrderNumber

Line="">**ZHWSOTGEN1**</PurchaseOrderNumber>

<GrossPricePerUOM>**0.25000**</GrossPricePerUOM>

<NetPricePerUOM>**0.8847**</NetPricePerUOM>

<ExtendedGrossPrice>**503.75**</ExtendedGrossPrice>

<Discount Multiplier="0.646">**-325.49**</Discount>

<ExtendedNetPrice>**178.26**</ExtendedNetPrice>

<GrossReceiptsTax Rate="4.000"

Basis="**178.26**">**7.13**</GrossReceiptsTax>

<CountyParishTax Rate="1.000"

Basis="**178.26**">**1.78**</CountyParishTax>

```

    <StateTax />
    <WellserviceTax />
    <MetropolitanTax />
    <Local1Tax />
    <Local2Tax />
    <Local3Tax />
  </LineItem>
= <LineItem Number="000070">
  <ProductService ID="611 10300">MAST - Crane and
    Mast Charges</ProductService>
  <Quantity>1.000</Quantity>
  <UOM />
  <HigherLevelReference />
  <PurchaseOrderNumber
    Line="">ZHWSOTGEN1</PurchaseOrderNumber>
  <GrossPricePerUOM />
  <NetPricePerUOM />
  <ExtendedGrossPrice />
  <ExtendedNetPrice />
  <GrossReceiptsTax />
  <Discount />
  <CountyParishTax />
  <StateTax />
  <WellserviceTax />
  <MetropolitanTax />
  <Local1Tax />
  <Local2Tax />
  <Local3Tax />
</LineItem>
= <LineItem Number="000080">
  <ProductService ID="6XCRANE0-50">Daily Charge -
    Crane up to 50ft</ProductService>
  <Quantity>1.000</Quantity>
  <UOM>DAY</UOM>

  <HigherLevelReference>000070</HigherLevelRefere
    nce>
  <PurchaseOrderNumber
    Line="">ZHWSOTGEN1</PurchaseOrderNumber>
  <GrossPricePerUOM>465.000</GrossPricePerUOM>
  <NetPricePerUOM>172.660</NetPricePerUOM >

```

```

<ExtendedGrossPrice>465.00</ExtendedGrossPrice>
<Discount Multiplier="0.646">-300.46</Discount>
<ExtendedNetPrice>164.54</ExtendedNetPrice>
<GrossReceiptsTax Rate="4.000"
  Basis="164.54">6.58</Gross ReceiptsTax>
<CountyParishTax Rate="1.000"
  Basis="164.54">1.65</CountyParishTax>
<StateTax />
<WellserviceTax />
<MetropolitanTax />
<Local1Tax />
<Local2Tax />
<Local3Tax />
</LineItem>
= <Summary>
  <NumberOfLineItems>8.00</NumberOfLineItems>
  <TotalDiscountAmount>-
    3624.61</TotalDiscountAmount>

  <InvoiceAmountBeforeTax>1984.99</InvoiceAmountBeforeTax>
  <GrossReceiptsTax Rate="4.000"
    Basis="1984.99">79.40</GrossReceiptsTax>
  <CountyParishTax Rate="1.000"
    Basis="1984.99">19.85</CountyParishTax>
  <StateTax />
  <WellserviceTax />
  <MetropolitanTax />
  <Local1Tax />
  <Local2Tax />
  <Local3Tax />
  <TotalInvoiceAmount>2084.24</TotalInvoiceAmount>
</Summary>
</Invoice>

```

Appendix 3 – XML DTD

Purpose: Provide the syntax rules of the XML 1.0 specification for the Schlumberger eZView pilot project.

```

<!ELEMENT Invoice Header, LineItem+, Summary)>
<!ATTLIST Invoice number CDATA #REQUIRED xmlns CDATA #FIXED
"http://ec-edi.sugarland.oilfield.slb.com/ezv/invoice">
<!ELEMENT Header (InvoiceDate, DocCreatedDate, DocumentPurpose,
OriginalInvoiceNumber, PurchaseOrderNumber,
PurchaseOrderDate, POReleaseNumber, SLBOrderNumber, AFE,
CustomerContractNumber, CustomerRepOnLocation, WBSNumber,
SLBCrewLeader, FieldServiceOrderNumber, WellNumber, WellName,
WellLocation, LocationNumber, WellCountyParishBorough, FieldName,
ServiceStartDate, ServiceEndDate, Carrier, Data1, Data2, Data3, Data4,
Data5, Data6, Data7, Data8, TradingPartner+, Terms)>
<!ELEMENT InvoiceDate (#PCDATA)>
<!ELEMENT DocCreatedDate (#PCDATA)>
<!ELEMENT DocumentPurpose (#PCDATA)>
<!ELEMENT OriginalInvoiceNumber (#PCDATA)>
<!ELEMENT PurchaseOrderNumber (#PCDATA)>
<!ELEMENT PurchaseOrderDate (#PCDATA)*>
<!ELEMENT POReleaseNumber (#PCDATA)*>
<!ELEMENT SLBOrderNumber (#PCDATA)*>
<!ELEMENT AFE (#PCDATA)*>
<!ELEMENT CustomerContractNumber (#PCDATA)*>
<!ELEMENT CustomerRepOnLocation (#PCDATA)*>
<!ELEMENT WBSNumber (#PCDATA)*>
<!ELEMENT SLBCrewLeader (#PCDATA)*>
<!ELEMENT FieldServiceOrderNumber (#PCDATA)*>
<!ELEMENT WellNumber (#PCDATA)*>
<!ELEMENT WellName (#PCDATA)*>
<!ELEMENT WellLocation (#PCDATA)*>
<!ELEMENT LocationNumber (#PCDATA)*>
<!ELEMENT WellCountyParishBorough (#PCDATA)*>
<!ELEMENT FieldName (#PCDATA)*>
<!ELEMENT ServiceStartDate (#PCDATA)*>
<!ELEMENT ServiceEndDate (#PCDATA)*>

```

```

<!ELEMENT Carrier (#PCDATA)*>
<!ELEMENT Data1 (#PCDATA)*>
<!ELEMENT Data2 (#PCDATA)*>
<!ELEMENT Data3 (#PCDATA)*>
<!ELEMENT Data4 (#PCDATA)*>
<!ELEMENT Data5 (#PCDATA)*>
<!ELEMENT Data6 (#PCDATA)*>
<!ELEMENT Data7 (#PCDATA)*>
<!ELEMENT Data8 (#PCDATA)*>

<!-- Trading Partner Data Follows -->

<!ELEMENT TradingPartner (TPNumber, NumAtCust, Name1, Name2, Name3,
Name4,
Address1, Address2, POBox, City,
CountyParishBorough, District, StateProvince,
PostalCodeStreet, PostalCodePOB, Country, Telephone, Fax,
YourRef, Language, DataEntryAlias, Organization)>
<!ATTLIST TradingPartnertypeCDATA #REQUIRED>
<!ELEMENT TPNumber (#PCDATA)*>
<!ELEMENT NumAtCust (#PCDATA)*>
<!ELEMENT Name1 (#PCDATA)*>
<!ELEMENT Name2 (#PCDATA)*>
<!ELEMENT Name3 (#PCDATA)*>
<!ELEMENT Name4 (#PCDATA)*>
<!ELEMENT Address1 (#PCDATA)*>
<!ELEMENT Address2 (#PCDATA)*>
<!ELEMENT POBox (#PCDATA)*>
<!ELEMENT City (#PCDATA)*>
<!ELEMENT CountyParishBorough (#PCDATA)*>
<!ELEMENT District (#PCDATA)*>
<!ELEMENT StateProvince (#PCDATA)*>
<!ELEMENT PostalCodeStreet (#PCDATA)*>
<!ELEMENT PostalCodePOB (#PCDATA)*>
<!ELEMENT Country (#PCDATA)*>
<!ELEMENT Telephone (#PCDATA)*>
<!ELEMENT Fax (#PCDATA)*>
<!ELEMENT YourRef (#PCDATA)*>
<!ELEMENT Language (#PCDATA)*>
<!ELEMENT DataEntryAlias (#PCDATA)*>

```

```

<!ELEMENT Organization (#PCDATA)*>

<!-- Terms -->

<!ELEMENT Terms (DueDate, NetDays, TermsDescription)>
<!ELEMENT DueDate (#PCDATA)>
<!ELEMENT NetDays (#PCDATA)>
<!ELEMENT TermsDescription (#PCDATA)>

<!-- Line Item Data -->

<!ELEMENT LineItem(ProductService, Quantity, UOM,
HigherLevelReference,
LIPurchaseOrder, GrossPricePerUOM, NetPricePerUOM,
ExtendedGrossPrice, Discount, ExtendedNetPrice,
LIGrossReceiptsTax, LICountyParishTax, LIStateTax,
LIWellServiceTax, LIMetropolitanTax, LILocal1Tax,
LILocal2Tax, LILocal3Tax)>
<!ATTLIST LineItem      lineNumber      CDATA #REQUIRED>
<!ELEMENT ProductService (#PCDATA)>
<!ATTLIST ProductService      psnumber      CDATA #REQUIRED>
<!ELEMENT Quantity (#PCDATA)>
<!ELEMENT UOM (#PCDATA)*>
<!ELEMENT HigherLevelReference (#PCDATA)*>
<!ELEMENT LIPurchaseOrder (#PCDATA)*>
<!ATTLIST LIPurchaseOrder      line      CDATA #IMPLIED>
<!ELEMENT GrossPricePerUOM (#PCDATA)*>
<!ELEMENT NetPricePerUOM (#PCDATA)*>
<!ELEMENT ExtendedGrossPrice (#PCDATA)*>
<!ELEMENT Discount (#PCDATA)*>
<!ATTLIST Discount      multiplier      CDATA #IMPLIED>
<!ELEMENT ExtendedNetPrice (#PCDATA)*>
<!ELEMENT LIGrossReceiptsTax (#PCDATA)*>
<!ATTLIST LIGrossReceiptsTax      rate      CDATA #IMPLIED
basis      CDATA #IMPLIED>
<!ELEMENT LICountyParishTax (#PCDATA)*>
<!ATTLIST LICountyParishTax      rate      CDATA #IMPLIED
basis      CDATA #IMPLIED >
<!ELEMENT LIStateTax (#PCDATA)*>
<!ATTLIST LIStateTax      rate      CDATA #IMPLIED
basis      CDATA #IMPLIED>
<!ELEMENT LIWellServiceTax (#PCDATA)*>

```

```

<!ATTLIST    LIWellServiceTax    rate          CDATA #IMPLIED
                                     basis          CDATA #IMPLIED>
<!ELEMENT    LIMetropolitanTax    (#PCDATA)*>
<!ATTLIST    LIMetropolitanTax    rate          CDATA #IMPLIED
                                     basis          CDATA #IMPLIED>
<!ELEMENT    LILocal1Tax          (#PCDATA)*>
<!ATTLIST    LILocal1Tax          rate          CDATA #IMPLIED
                                     basis          CDATA #IMPLIED>
<!ELEMENT    LILocal2Tax          (#PCDATA)*>
<!ATTLIST    LILocal2Tax          rate          CDATA #IMPLIED
                                     basis          CDATA #IMPLIED>
<!ELEMENT    LILocal3Tax          (#PCDATA)*>
<!ATTLIST    LILocal3Tax          rate          CDATA #IMPLIED
                                     basis          CDATA #IMPLIED>

<!ELEMENT    Summary(NumberOfLineItems, TotalDiscountAmount,
InvoiceAmountBeforeTax, TotalGrossReceiptsTax,
TotalCountyParishTax, TotalStateTax,
TotalWellServiceTax, TotalMetropolitanTax,
TotalLocal1Tax, TotalLocal2Tax, TotalLocal3Tax,
TotalInvoiceAmount)>
<!ELEMENT    NumberOfLineItems    (#PCDATA)*>
<!ELEMENT    TotalDiscountAmount    (#PCDATA)*>
<!ELEMENT    InvoiceAmountBeforeTax (#PCDATA)>
<!ELEMENT    TotalInvoiceAmount    (#PCDATA)>
<!ELEMENT    TotalGrossReceiptsTax (#PCDATA)*>
<!ATTLIST    TotalGrossReceiptsTax rate          CDATA #IMPLIED
basis CDATA #IMPLIED>
<!ELEMENT    TotalCountyParishTax    (#PCDATA)*>
<!ATTLIST    TotalCountyParishTax    rate          CDATA #IMPLIED
basis          CDATA #IMPLIED >
<!ELEMENT    TotalStateTax          (#PCDATA)*>
<!ATTLIST    TotalStateTax          rate          CDATA #IMPLIED
basis          CDATA #IMPLIED>
<!ELEMENT    TotalWellServiceTax    (#PCDATA)*>
<!ATTLIST    TotalWellServiceTax    rate          CDATA #IMPLIED
basis          CDATA #IMPLIED>
<!ELEMENT    TotalMetropolitanTax    (#PCDATA)*>
<!ATTLIST    TotalMetropolitanTax    rate          CDATA #IMPLIED
basis          CDATA #IMPLIED>
<!ELEMENT    TotalLocal1Tax          (#PCDATA)*>

```

```

<!ATTLIST TotalLocal1Tax rate CDATA #IMPLIED
basis CDATA #IMPLIED>
<!ELEMENT TotalLocal2Tax (#PCDATA)*>
<!ATTLIST TotalLocal2Tax rate CDATA #IMPLIED
basis CDATA #IMPLIED>
<!ELEMENT TotalLocal3Tax (#PCDATA)*>
<!ATTLIST TotalLocal3Tax rate CDATA #IMPLIED
basis CDATA #IMPLIED>

```

Appendix 4 – XML Style Sheet

Purpose: The stylesheet transforms bills.xml to html for web display.

```

-->
= <xsl:stylesheet version="1.0"
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  >
  <xsl:decimal-format />
= <xsl:template match="/">
= <html>
= <body bgcolor="003366">
= <table bgcolor="003366">
= <tr>
= <td>
= <font size="7" color="white">
  <b>Schlumberger's
  eZView</b>
  </font>
  </td>
</tr>
= <tr>
= <td>
  <font size="3"
  color="white">Using XML
  Technology</font>
  </td>
</tr>
</table>
- <!--
  Invoice Header Table
-->

```

```

= <table bgcolor="e0e0e0" align="center"
  border="1" bordercolor="e0e0e0">
- <!--
First Line Header Table
-->
= <tr align="center" bgcolor="e0e0e0">
  = <td>
    = <font size="2">
      <b>Invoice Number</b>
    </font>
  </td>
  = <td>
    = <font size="2">
      <b>Invoice Date</b>
    </font>
  </td>
  = <td>
    = <font size="2">
      <b>Purchase Order
        Number</b>
    </font>
  </td>
  = <td width="120">
    = <font size="2">
      <b>Field Service Order</b>
    </font>
  </td>
  = <td>
    = <font size="2">
      <b>Service Start Date</b>
    </font>
  </td>
  = <td>
    = <font size="2">
      <b>Service End Date</b>
    </font>
  </td>
  = <td>
    = <font size="2">
      <b>Terms</b>
    </font>

```

```

        </td>
    </tr>
    = <tr bgcolor="white" align="center">
        = <td width="110">
            = <b>
                <xsl:value-of
                    select="Invoice/@number"
                />
            </b>
        </td>
        = <td width="110">
            <xsl:value-of
                select="Invoice/Header/InvoiceDate" />
        </td>
        = <td width="110">
            <xsl:value-of
                select="Invoice/Header/PurchaseOrderNumber" />
        </td>
        = <td>
            <xsl:value-of
                select="Invoice/Header/FieldServiceOrderNumber" />
        </td>
        = <td width="110">
            <xsl:value-of
                select="Invoice/Header/ServiceEndDate" />
        </td>
        = <td width="110">
            <xsl:value-of
                select="Invoice/Header/ServiceStartDate" />
        </td>
        = <td width="110">
            <xsl:value-of
                select="Invoice/Header/Terms/TermsDescription" />
        </td>
    </tr>
    = <tr bgcolor="e0e0e0">

```

```

= <td colspan="3">
  = <font size="2">
    = <b>
      <i>Bill to:</i>
    </b>
  </font>
</td>
= <td colspan="4">
  = <font size="2">
    = <b>
      <i>Remittance
        Address:</i>
    </b>
  </font>
</td>
</tr>
= <tr bgcolor="white">
  = <td colspan="3">
    <xsl:value-of
      select="Invoice/Header/TradingPartner[@type='Bill-
        To']/Name1" />
  </td>
  = <td colspan="4">
    <xsl:value-of
      select="Invoice/Header/TradingPartner[@type='Remit-
        To']/Name1" />
  </td>
</tr>
= <tr bgcolor="white">
  = <td colspan="3">
    <xsl:value-of
      select="Invoice/Header/TradingPartner[@type='Bill-
        To']/Name2" />
  </td>
  = <td colspan="4">
    <xsl:value-of
      select="Invoice/Header/TradingPartner[@type='Remit-
        To']/Name2" />

```

```

        </td>
    </tr>
    = <tr bgcolor="white">
    = <td colspan="3">
        PO Box
        <xsl:value-of
            select="Invoice/Header/TradingPartner[@type='Bill-To']/POBox" />
    </td>
    = <td colspan="4">
        PO Box
        <xsl:value-of
            select="Invoice/Header/TradingPartner[@type='Remit-To']/POBox" />
    </td>
    </tr>
    = <tr bgcolor="white">
    = <td colspan="3">
        <xsl:value-of
            select="Invoice/Header/TradingPartner[@type='Bill-To']/City" />
        ,
        <xsl:value-of
            select="Invoice/Header/TradingPartner[@type='Bill-To']/StateProvince" />
        <xsl:value-of
            select="Invoice/Header/TradingPartner[@type='Bill-To']/PostalCodePOB" />
    </td>
    = <td colspan="4">
        <xsl:value-of
            select="Invoice/Header/TradingPartner[@type='Remit-To']/City" />
        ,
        <xsl:value-of
            select="Invoice/Header/Trading

```

```

      gPartner[@type='Remit-
To']/StateProvince" />
      <xsl:value-of
        select="Invoice/Header/Trading
gPartner[@type='Remit-
To']/PostalCodePOB" />
    </td>
  </tr>
= <tr bgcolor="e0e0e0">
  = <td colspan="3">
    = <font size="2">
      <b>Well Name/Number</b>
    </font>
  </td>
  = <td colspan="4">
    = <font size="2">
      <b>Field</b>
    </font>
  </td>
</tr>
= <tr bgcolor="white">
  = <td colspan="3">
    <xsl:value-of
      select="Invoice/Header/WellN
ame" />
    <xsl:value-of
      select="Invoice/Header/WellN
umber" />
  </td>
  = <td colspan="4">
    <xsl:value-of
      select="Invoice/Header/Field N
ame" />
  </td>
</tr>
= <tr bgcolor="e0e0e0">
  = <td colspan="3">
    = <font size="2">
      <b>Well Location</b>
    </font>
  </td>
  = <td>

```

```

= <font size="2">
  <b>Offshore Zone</b>
</font>
</td>
= <td colspan="3">
  = <font size="2">
    <b>Price Reference</b>
  </font>
</td>
</tr>
= <tr bgcolor="white">
  = <td colspan="3">
    <xsl:value-of
      select="Invoice/Header/Well L
        ocation" />
    </td>
  = <td>
    <font color="white">N/A</font>
  </td>
  - <!--
    Price Reference data is not in the IDoc.
    It was hardcoded in this document
    -->
    <td colspan="3">6N-WL Land 96
      Prices</td>
</tr>
= <tr bgcolor="e0e0e0">
  = <td colspan="3">
    = <font size="2">
      <b>County/Parish/Borough</b>
    </font>
  </td>
  = <td>
    = <font size="2">
      <b>State</b>
    </font>
  </td>
  = <td colspan="3">
    = <font size="2">

```

```

        <b>Customer Job
        Representative</b>
    </font>
</td>
</tr>
= <tr bgcolor="white">
= <td colspan="3">
= <xsl:value-of
= select="Invoice/Header/WellC
= ountyParishBorough" />
= </td>
= <td>
= <xsl:value-of
= select="Invoice/Header/Tradin
= gPartner[@type='Sold-
= To']/StateProvince" />
= </td>
= <td colspan="3">
= <xsl:value-of
= select="Invoice/Header/Cu sto
= merRepOnLocation" />
= </td>
</tr>
- <!--
End of Header
-->
- <!--
Line Item Section
-->
= <tr bgcolor="e0e0e0">
= <td />
</tr>
= <tr bgcolor="e0e0e0">
= <td align="center">
= <font size="2">
= <b>Line Number</b>
= </font>
</td>
= <td align="center">
= <font size="2">
= <b>Material</b>
= </font>

```

```

</td>
= <td align="center">
= <font size="2">
  <b>Description</b>
</font>
</td>
= <td align="right">
= <font size="2">
  <b>Quantity</b>
</font>
</td>
= <td align="center">
= <font size="2">
  <b>UOM</b>
</font>
</td>
= <td align="right">
= <font size="2">
  <b>Unit Price</b>
</font>
</td>
= <td align="right">
= <font size="2">
  <b>Amount</b>
</font>
</td>
</tr>
= <xsl:for-each
  select="Invoice/LineItem">
= <tr bgcolor="white">
- <!--
  Left align high level line item
  reference numbers
-->
= <xsl:choose>
= <xsl:when test="string-
  length(ExtendedGrossPrice
) != 0">
= <td align="right">
  <xsl:value-of
    select="@linumber"
  />

```

```

        </td>
= <td>
    <xsl:value-of
        select="ProductService/@psnumber" />
    </td>
= <td>
    <xsl:value-of
        select="ProductService/text()" />
    </td>
= <td align="right">
    <xsl:value-of
        select="Quantity" />
    </td>
= <td>
    <xsl:value-of
        select="UOM" />
    </td>
= <td align="right">
    <xsl:value-of
        select="GrossPricePerUOM" />
    </td>
= <td align="right">
    <xsl:value-of
        select="ExtendedGrossPrice" />
    </td>
</xsl:when>
= <xsl:otherwise>
= <td align="left">
    = <b>
        <xsl:value-of
            select="@lineumber" />
        </b>
    </td>
= <td>
    = <b>
        <xsl:value-of
            select="ProductS

```

```

        ervice/@psnum
        ber" />
    </b>
</td>
= <td>
= <b>
    <xsl:value-of
        select="Products
        ervice/text()"
    />
    </b>
</td>
= <td align="right">
= <b>
    <xsl:value-of
        select="Quantity"
    />
    </b>
</td>
= <td colspan="3">
= <font color="white">
    <xsl:value-of
        select="Quantity"
    />
    </font>
</td>
</xsl:otherwise>
</xsl:choose>
</tr>
= <xsl:if test="string-length(Discount)
    != 0">
= <tr bgcolor="white">
= <td>
    <font
        color="white">NA</font
    >
</td>
<td
    colspan="5"> Discount/Surc
    harge</td>
= <td align="right">

```

```

        <xsl:value-of
          select="Discount" />
      </td>
    </tr>
  </xsl:if>
= <xsl:if test="string-
  length(LIGrossReceiptsTax) !=
  0">
= <tr bgcolor="white">
= <td>
= <font
  color="white">NA</font
  >
= </td>
= <td colspan="5">Gross
  Receipts Tax</td>
= <td align="right">
= <xsl:value-of
  select="LIGrossReceipts
  Tax" />
= </td>
= </tr>
= </xsl:if>
= <xsl:if test="string-
  length(LICountyParishTax) != 0">
= <tr bgcolor="white">
= <td>
= <font
  color="white">NA</font
  >
= </td>
= <td
  colspan="5">County/Parish
  /Borough Tax</td>
= <td align="right">
= <xsl:value-of
  select="LICountyParish
  Tax" />
= </td>
= </tr>
= </xsl:if>

```

```

= <xsl:if test="string-
  length(LIStateTax) != 0">
= <tr bgcolor="white">
= <td>
= <font
  color="white">NA</font
  >
= </td>
= <td
  colspan="5">State/Provinc
  e Tax</td>
= <td align="right">
  <xsl:value-of
    select="LIStateTax" />
  </td>
= </tr>
= </xsl:if>
= <xsl:if test="string-
  length(LIWellServiceTax) != 0">
= <tr bgcolor="white">
= <td>
= <font
  color="white">NA</font
  >
= </td>
= <td colspan="5">Well Service
  Tax</td>
= <td align="right">
  <xsl:value-of
    select="LIWellServiceTa
    x" />
  </td>
= </tr>
= </xsl:if>
= <xsl:if test="string-
  length(LIMetropolitanTax) != 0" >
= <tr bgcolor="white">
= <td>
= <font
  color="white">NA</font
  >
= </td>

```

```

        <td colspan="5">Metropolitan
          Tax</td>
      = <td align="right">
        <xsl:value-of
          select="LIMetropolitanT
            ax" />
        </td>
    </tr>
</xsl:if>
= <xsl:if test="string-
  length(LILocal1Tax) != 0">
  = <tr bgcolor="white">
    = <td>
      <font
        color="white">NA</font>
      >
    </td>
    <td colspan="5">Local Tax
      1</td>
    = <td align="right">
      <xsl:value-of
        select="LILocal1Tax" />
      </td>
    </tr>
  </xsl:if>
= <xsl:if test="string-
  length(LILocal2Tax) != 0">
  = <tr bgcolor="white">
    = <td>
      <font
        color="white">NA</font>
      >
    </td>
    <td colspan="5">Local Tax
      2</td>
    = <td align="right">
      <xsl:value-of
        select="L2Local1Tax" />
      </td>
    </tr>
  </xsl:if>

```

```

= <xsl:if test="string-
  length(LILocal3Tax) != 0">
= <tr bgcolor="white">
= <td>
= <font
  color="white">NA</font
  >
= </td>
= <td colspan="5"> Local Tax
  3</td>
= <td align="right">
= <xsl:value-of
  select="L3Local1Tax" />
= </td>
= </tr>
= </xsl:if>
= <xsl:if test="string-
  length(HigherLevelReference) >
  0">
= <tr bgcolor="white">
= <td>
= <font
  color="white">na</font
  >
= </td>
= <td colspan="5">
= <b>Line Item Total</b>
= </td>
= <td align="right">
= <b>
= <xsl:value-of
  select="ExtendedNet
  Price +
  LIGrossReceiptsTax
  +
  LICountyParishTax"
  />
= </b>
= </td>
= </tr>
= <tr />
= </xsl:if>

```

```

</xsl:for-each>
= <xsl:variable name="gramt">
  <xsl:value-of
    select="Invoice/Summary/Invoice
    AmountBeforeTax -
    Invoice/Summary/TotalDiscountA
    mount" />
</xsl:variable>
= <tr>
  = <td colspan="4" bgcolor="e0e0e0">
    <font
      color="e0e0e0">blah</font>
    </td>
  = <td colspan="2">
    <b>Total Gross Sales</b>
    </td>
  = <td align="right">
    = <b>
      <xsl:value-of select="format-
        number($gramt, '#0.00')"
        />
      </b>
    </td>
  </tr>
= <tr>
  = <td colspan="4" bgcolor="e0e0e0">
    <font
      color="e0e0e0">blah</font>
    </td>
  = <td colspan="2">
    <b>Total Discount</b>
    </td>
  = <td align="right">
    = <b>
      <xsl:value-of
        select="Invoice/Summary/
        TotalDiscountAmount" />
      </b>
    </td>
  </tr>
= <tr>
  = <td colspan="4" bgcolor="e0e0e0">

```

```

        <font
          color="e0e0e0">blah</font>
      </td>
    = <td colspan="2">
      <b>Invoice Amount Before
        Taxes</b>
      </td>
    = <td align="right">
      = <b>
        <xsl:value-of
          select="Invoice/Summary /
            InvoiceAmountBeforeTax"
          />
        </b>
      </td>
    </tr>
  = <tr>
    = <td colspan="4" bgcolor="e0e0e0">
      <font
        color="e0e0e0">blah</font>
      </td>
    = <td colspan="2">
      <b>Gross Receipts Tax</b>
      </td>
    = <td align="right">
      = <b>
        <xsl:value-of
          select="Invoice/Summary /
            TotalGrossReceiptsTax" />
        </b>
      </td>
    </tr>
  = <tr>
    = <td colspan="4" bgcolor="e0e0e0">
      <font
        color="e0e0e0">blah</font>
      </td>
    = <td colspan="2">
      <b>County/Parish/Borough
        Tax</b>
      </td>
    = <td align="right">

```

```

= <b>
  <xsl:value-of
    select="Invoice/Summary/
      TotalCountyParishTax" />
  </b>
</td>
</tr>
= <tr>
= <td colspan="4" bgcolor="e0e0e0">
  <font
    color="e0e0e0">blah</font>
</td>
= <td colspan="2">
  <b>Net Invoice Amount</b>
</td>
= <td align="right">
  = <b>
    <xsl:value-of
      select="Invoice/Summary/
        TotalInvoiceAmount" />
    </b>
  </td>
</tr>
<br />
</table>
</body>
</html>
</xsl:template>
</xsl:stylesheet>

```

The invention being thus described, it will be obvious that the same may be varied in many ways. Such variations are not to be regarded as a departure from the spirit and scope of the invention, and all such modifications as would be obvious to one skilled in the art are intended to be included within the scope of the following claims.

WE CLAIM:

1. A program storage device readable by a machine and tangibly embodying a program of instructions executable by the machine to perform method steps for generating and displaying a special report on a display screen of said machine, said method steps comprising:

receiving a plurality of input data comprised of field order information and invoice information; and

generating and displaying said special report on said display screen of said machine in response to said plurality of input data, said special report being displayed on said display screen including a first column of information comprised of one or more field orders and a second column of information comprised of one or more invoices corresponding, respectively, to said one or more field orders.

2. The program storage device of claim 1, wherein said one or more field orders being displayed on said display screen include a first particular field order, said one or more invoices being displayed on said display screen including a first particular invoice, said first particular field order being displayed adjacent to said first particular invoice on said display screen, said first particular field order illustrating items ordered by a customer, said first particular invoice illustrating amounts billed to said customer for said items ordered by said customer.

3. The program storage device of claim 2, wherein said first particular field order is displayed adjacent to and on a same line as said first particular invoice on said display screen of said machine.

4. The program storage device of claim 1, wherein said special report being displayed on said display screen of said machine further includes a third column of information comprised of one or more descriptions of goods or services corresponding, respectively, to said one or more field orders and to said one or more invoices.

5. The program storage device of claim 4, wherein said one or more descriptions of goods or services being displayed on said display screen include a first particular description of goods or services, said one or more field orders being displayed on said display screen including a first particular field order, said one or more invoices being displayed on said display screen including a first particular invoice, said first particular description of goods or services being displayed adjacent to said first particular field order on said display screen, said first particular field order being displayed adjacent to said first particular invoice on said display screen, said first particular field order illustrating items ordered by a customer, said first particular description of goods or services illustrating a description of said items ordered by said customer, said first particular invoice illustrating amounts billed to said customer for said items ordered by said customer.

6. The program storage device of claim 5, wherein said first particular description of goods or services is displayed adjacent to and on a same line as said first particular field order on said display screen, said first particular field order being displayed adjacent to and on a same line as said first particular invoice on said display screen of said machine.

7. A method of generating and displaying a report on a display screen for a buyer of goods or services including a first column of data comprised of a plurality of field orders and a second column of data comprised of a plurality of invoices corresponding, respectively, to said plurality of field orders, comprising the steps of:

- (a) collecting a first plurality of data including a first dataset comprised of a plurality of field orders and a second dataset comprised of a plurality of invoices, and providing said first plurality of data representing input data to a server;
- (b) accessing said server when said first plurality of data is provided to said server in response to the providing step (a);
- (c) during the accessing step (b), introducing at least one data value to said server;
- (d) in response to said at least one data value, initiating, by said server, an automatch function; and
- (e) generating and displaying said report on said display screen when an execution of said automatch function is complete, said report including at least said first column of data and said second column of data, said first column of data including said plurality of field orders, said second column of data including said plurality of invoices corresponding, respectively, to said plurality of field orders.

8. The method of claim 7, wherein said plurality of field orders in said first column of data being displayed on said display screen include a first particular field order, said plurality of invoices in said second column of data being displayed on said display screen include a first particular invoice, said first particular field order in said first column of said report being located adjacent to said first particular invoice in said second column of said report when said report is displayed on said display screen.

9. The method of claim 8, wherein said first particular field order in said first column of said report is located adjacent to and on a same line as said first particular invoice in said second column of said report when said report is displayed on said display screen.

10. The method of claim 7, wherein said report includes at least said first column of data and said second column of data and a third column of data, said first column of data including said plurality of field orders, said second column of data including said plurality of invoices corresponding, respectively, to said plurality of field orders, said third column of data including a plurality of descriptions of goods or services corresponding, respectively, to said plurality of field orders and said plurality of invoices.

11. The method of claim 10, wherein said plurality of field orders in said first column of data include a first particular field order, said plurality of invoices in said second column of data including a first particular invoice, said plurality of descriptions of goods or services in said third column including a first particular description, said first particular description being located adjacent said first particular field order and said first particular field order being located adjacent to said first particular invoice when said report is displayed on said display screen.

12. The method of claim 11, wherein said first particular description is located adjacent to and on a same line as said first particular field order in said report when said report is displayed on said display screen, said first particular field order being located adjacent to and on a same line as said first particular invoice in said report when said report is displayed on said display screen.

13. The method of claim 7, wherein the collecting step (a), for collecting said first plurality of data including said first dataset comprised of said plurality of field orders and said second dataset comprised of said plurality of invoices and providing said first plurality of data representing input data to said server, comprises the steps of:

(a1) obtaining a buyer's digital signature on a field order and transmitting the buyer's digitally signed field order to said server;

(a2) obtaining a signed and edited field order from a supplier and transmitting the supplier's signed and edited field order to a mainframe computer; and

(a3) creating an official invoice and a traditional invoice in said mainframe computer in response to said supplier's signed and edited field order, transmitting said official invoice from said mainframe computer to said server, and transmitting said traditional invoice to said buyer.

14. The method of claim 13, wherein said plurality of field orders in said first column of data being displayed on said display screen include a first particular field order, said plurality of invoices in said second column of data being displayed on said display screen include a first particular invoice, said first particular field order in said first column of said report being located adjacent to said first particular invoice in said second column of said report when said report is displayed on said display screen.

15. The method of claim 14, wherein said first particular field order in said first column of said report is located adjacent to and on a same line as said first particular invoice in said second column of said report when said report is displayed on said display screen.

16. The method of claim 13, wherein said report includes at least said first column of data and said second column of data and a third column of data, said first column of data including said plurality of field orders, said second column of data including said plurality of invoices corresponding, respectively, to said plurality of field orders, said third column of data including a plurality of descriptions of goods or services corresponding, respectively, to said plurality of field orders and said plurality of invoices.

17. The method of claim 16, wherein said plurality of field orders in said first column of data include a first particular field order, said plurality of invoices in said second column of data including a first particular invoice, said plurality of descriptions of goods or services in said third column including a first particular description, said first particular description being located adjacent said first particular field order and said first particular

field order being located adjacent to said first particular invoice when said report is displayed on said display screen.

18. The method of claim 17, wherein said first particular description is located adjacent to and on a same line as said first particular field order in said report when said report is displayed on said display screen, said first particular field order being located adjacent to and on a same line as said first particular invoice in said report when said report is displayed on said display screen.

19. A server adapted for receiving one or more field orders digitally signed by one or more buyers and one or more corresponding official invoices, comprising:

a processor adapted to receive said one or more field orders digitally signed by one or more buyers and said one or more corresponding official invoices;

a display screen; and

a memory storing a report generation software, said report generation software stored in said memory having a particular characteristic, said particular characteristic of said report generation software stored in said memory of said server being selected such that, when said report generation software stored in said memory is executed by said processor in conjunction with said one or more field orders digitally signed by one or more buyers and said one or more corresponding official invoices, a special report is displayed on said display screen of said server, said special report including a first column of data consisting of said one or more field orders and a second column of data consisting of said one or more official invoices, a particular one of said field orders in said first column being displayed adjacent to a corresponding particular one of said official invoices in said second column of said special report being displayed on said display screen of said server.

20. The server of claim 19, wherein said special report further comprises a third column of data consisting of one or more descriptions of goods or services, a particular one of said descriptions of goods or services in said third column being displayed adjacent to said particular one of said field orders in said first column, said particular one of said field orders in said first column being displayed adjacent to said particular one of said official invoices in said second column.

21. The server of claim 20, wherein said particular one of said descriptions of goods or services in said third column is displayed adjacent to and on a same line as said particular one of said field orders in said first column, said particular one of said field orders in said first column being displayed adjacent to and on a same line as said particular one of said official invoices in said second column.

22. Apparatus adapted for generating a report for a buyer of goods or services, said report including a first column of data comprised of a plurality of field orders and a second column of data comprised of a plurality of invoices corresponding, respectively, to said plurality of field orders, comprising:

computer server apparatus responsive to a plurality of field orders and to a plurality of invoices adapted for generating a report for said buyer of said goods or services, said report including said first column of data comprised of a plurality of field orders and said second column of data comprised of a plurality of invoices corresponding, respectively, to said plurality of field orders.

23. A program storage device readable by a machine and tangibly embodying a program of instructions executable by the machine to perform method steps for generating a special report using said machine, said method steps comprising:

receiving input data comprised of order information and invoice information; and

generating said special report in response to said input data, said special report including a first column of information comprised of at least one order and a second column of information comprised of at least one invoice corresponding, respectively, to said at least one order.

24. The program storage device of claim 23, wherein said at least one order included in said special report includes a first particular order, said first particular order illustrating items ordered by a customer and said first particular invoice illustrating amounts billed to said customer for said items ordered by said customer.

25. The program storage device of claim 24, wherein said special report further includes a third column of information comprised of at least one description of goods or services corresponding, respectively, to said at least one order and to said at least one invoice.

26. The program storage device of claim 25, wherein said at least one description of goods or services includes a first particular description of goods or services illustrating a description of said items ordered by said customer, said first particular invoice illustrating amounts billed to said customer for said items ordered by said customer.

27. The program storage device of claim 26, wherein said first particular description of goods or services is displayed adjacent to and on a same line as said first particular order in said special report, said first particular order being displayed adjacent to and on a same line as said first particular invoice.

28. A method of generating a report for a buyer of goods or services including a first column of data comprised of at least one order and a second column of data comprised of at least one invoice corresponding, respectively, to said at least one order, comprising the steps of:

- (a) collecting a first dataset comprised of at least one order and a second dataset comprised of at least one invoice and providing said first and second sets to a server;
- (b) accessing said server when said datasets are provided to said server in response to the providing step (a);
- (c) during the accessing step (b), introducing at least one data value to said server;
- (d) in response to said at least data value, initiating, by said server, an automatch function; and
- (e) generating said report when an execution of said automatch function is complete, said report including at least said first column of data and said second column of data, said first column of data including said orders, said second column of data including said invoices corresponding, respectively, to said orders.

29. The method of claim 28, wherein said orders in said first column of data include first particular order, said invoices in said second column of data include a first particular invoice, said first particular order in said first column of said report being located adjacent to said first particular invoice in said second column of said report.

30. The method of claim 29, wherein said first particular order in said first column of said report is located adjacent to and on a same line as said first particular invoice in said second column of said report

31. The method of claim 28, wherein said report includes a third column of data, said first column of data including said orders, said second column of data including said invoices corresponding, respectively, to said orders, said third column of data including descriptions of goods or services corresponding, respectively, to said orders and said invoices.

32. The method of claim 31, wherein said orders in said first column of data include a first particular order, said invoices in said second column of data include a first particular invoice, and said descriptions of goods or services in said third column include a first particular description, and said first particular description is located adjacent said first particular invoice in said report.

33. The method of claim 32, wherein said first particular description is located adjacent to and on a same line as said first particular order in said report, said first particular order being located adjacent to and on a same line as said first particular invoice.

34. The method of claim 28, wherein the collecting step (a) comprises the steps of:

- (a1) obtaining a buyer's digital signature on an order and transmitting the buyer's digitally signed order to said server;
- (a2) obtaining a signed and edited order from a supplier and transmitting the supplier's signed and edited order to a mainframe computer; and
- (a3) creating an official invoice and a traditional invoice in said mainframe computer in response to said supplier's signed and edited order.

35. The method of claim 34 additionally comprising transmitting said official invoice from said mainframe computer to said server and transmitting said traditional invoice to said buyer.

36. The method of claim 34, wherein said orders in said first column of data include a first particular order, said invoices in said second column of data include a first particular invoice, and said first particular order in said first column of said report is located adjacent said particular invoice in said second column of said report in said report.

37. The method of claim 36, wherein said first particular order in said first column of said report is located adjacent to and on a same line as said first particular invoice in said second column of said report.

38. The method of claim 34, wherein said report includes a third column of data, said first column of data including said orders, said second column of data including said invoices corresponding, respectively, to said orders, said third column of data including descriptions of goods or services corresponding, respectively, to said orders and said invoices.

39. The method of claim 38, wherein said orders in said first column of data include a first particular order, said plurality of invoices in said second column of data include a first particular invoice, and said descriptions of goods or services in said third column include a first particular description, said first particular description

is located adjacent first particular order and said first particular order located adjacent said first particular invoice in said report.

40. The method of claim 39, wherein said first particular description is located adjacent to and on a same line as said first particular order in said report, said first particular order being located adjacent to and on a same line as said first particular invoice in said report.

41. A server adapted for receiving one or more orders digitally signed by one or more buyers and one or more corresponding official invoices, comprising:

a processor adapted to receive said digitally signed orders and said corresponding official invoices;

a display screen; and

memory for storing report generation software having a particular characteristic selected such that, when said report generation software is executed by said processor in conjunction with said digitally signed orders and said corresponding official invoices, a special report is displayed on said display screen, said special report including a first column of data comprising said orders and a second column of data comprising said official invoices, a particular one of said orders in said first column being displayed adjacent to a corresponding particular one of said official invoices in said second column.

42. The server of claim 41, wherein said special report further comprises a third column of data consisting of one or more descriptions of goods or services, a particular one of said descriptions of goods or services in said third column being displayed adjacent said particular one of said orders in said first column, said particular one of said orders in said first column being displayed adjacent to and on a same line as said particular one of said official invoices in said second column.

43. The server of claim 42, wherein said particular one of said descriptions of goods or services in said third column is displayed adjacent and on a same line as said particular one of said orders in said first column, said particular one of said orders in said first column being displayed adjacent to and on a same line as said particular one of said official invoices in said second column.

44. Apparatus adapted for generating a report for a buyer of goods or services, said report including a first column of data comprised of at least one order

and a second column of data comprised of at least one invoice corresponding, respectively, to said order, comprising a computer server responsive to at least one order and to at least one invoice adapted for generating a report for said buyer of said goods or services, said report including a first column of data comprised of at least one order and said second column of data comprised of at least one invoice corresponding, respectively, to at least one of said orders.

45. The program storage device substantially as disclosed herein.
46. The report generation method substantially as disclosed herein.
47. The server substantially as disclosed herein.

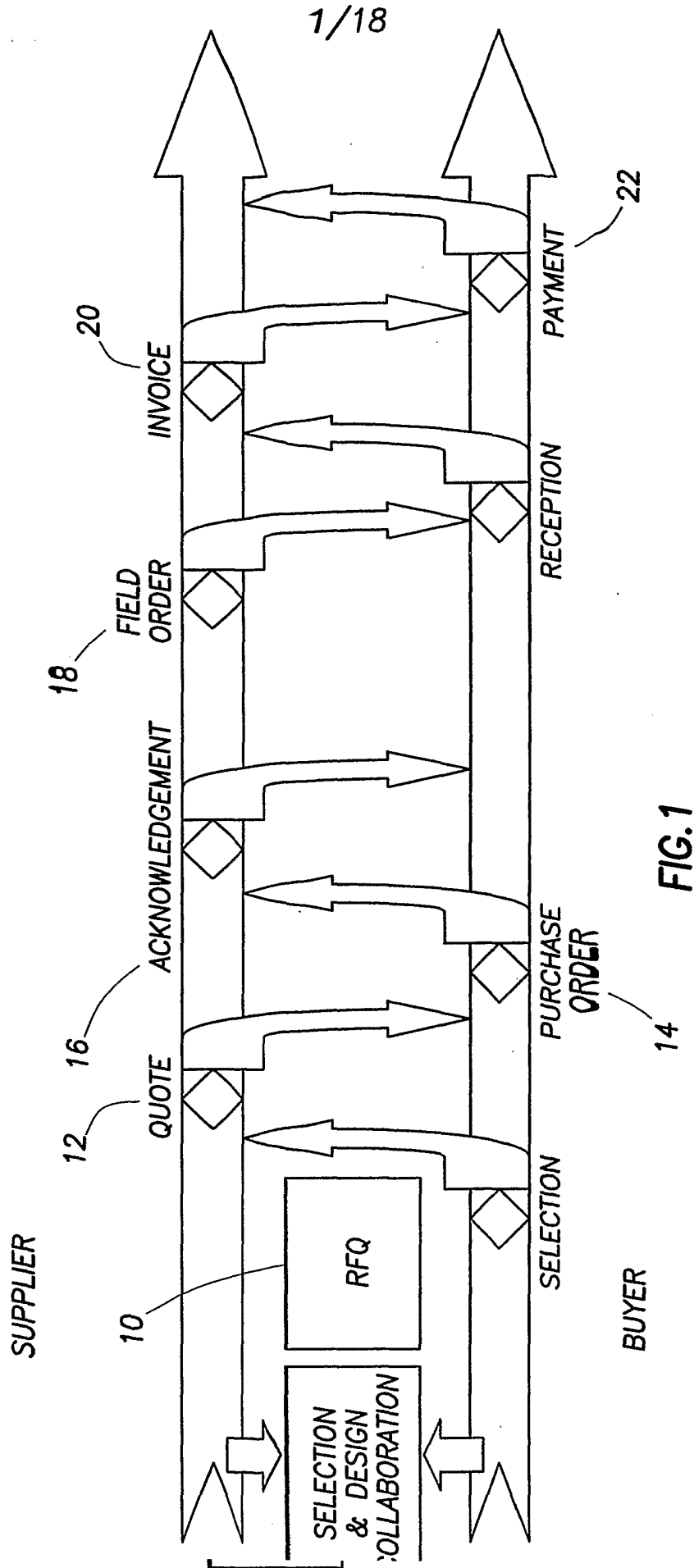


FIG. 1

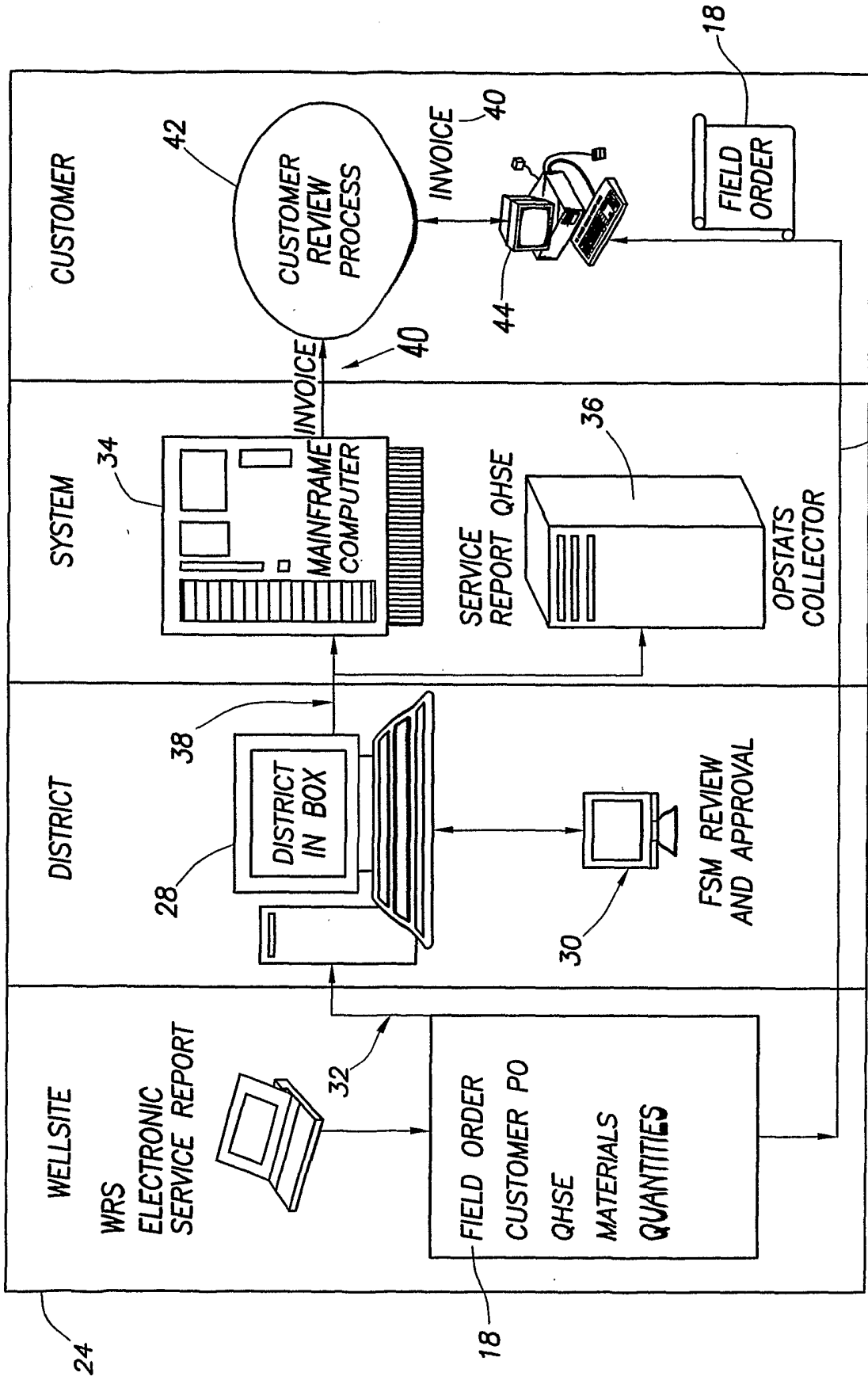


FIG.2
(PRIOR ART)

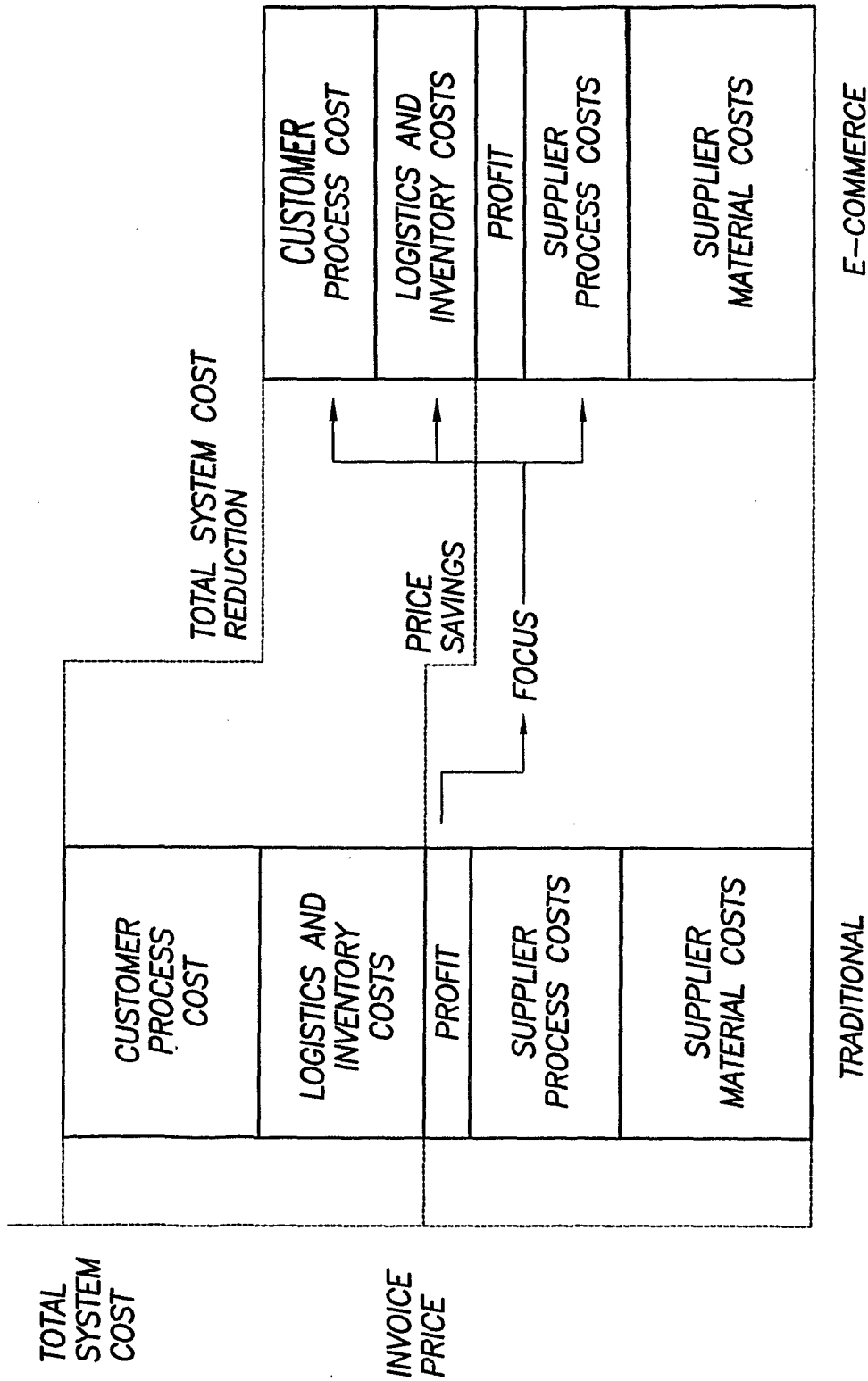


FIG.3

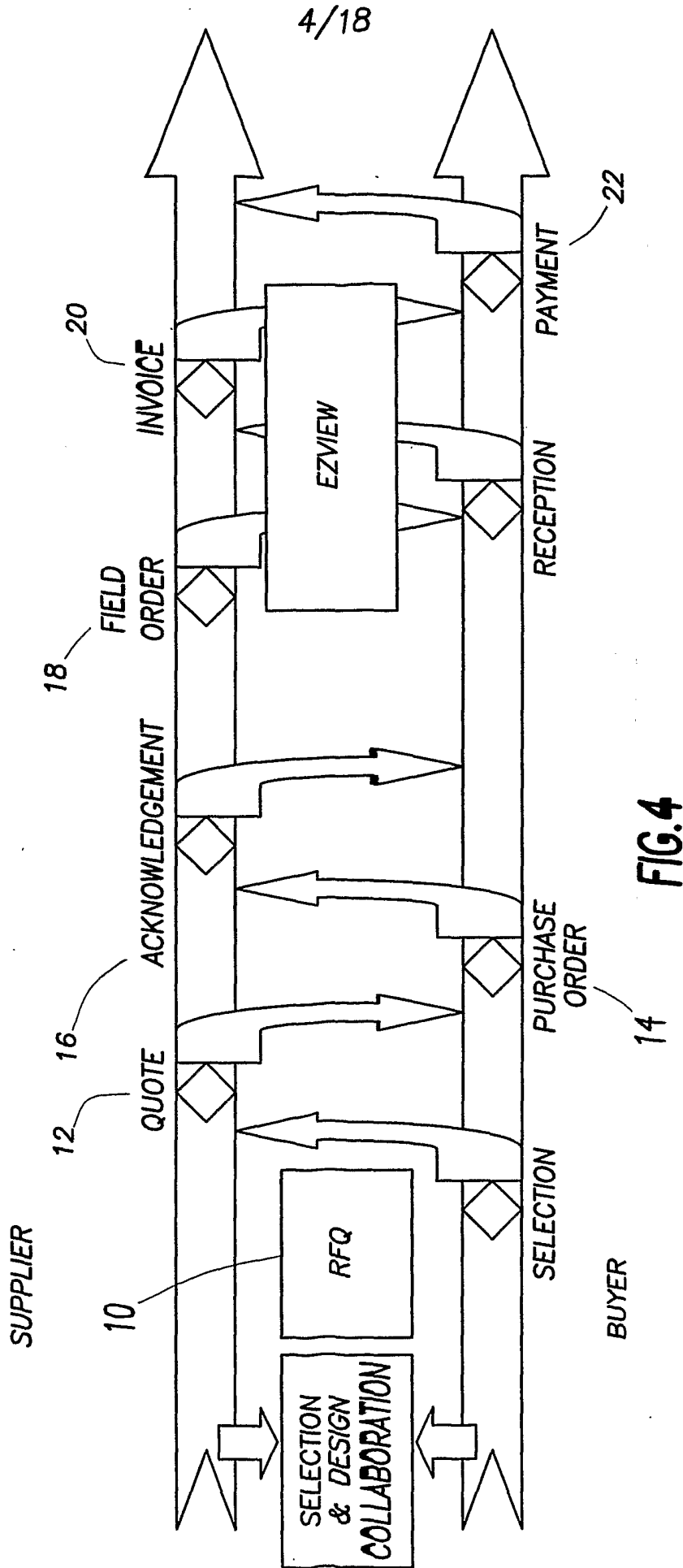


FIG.4

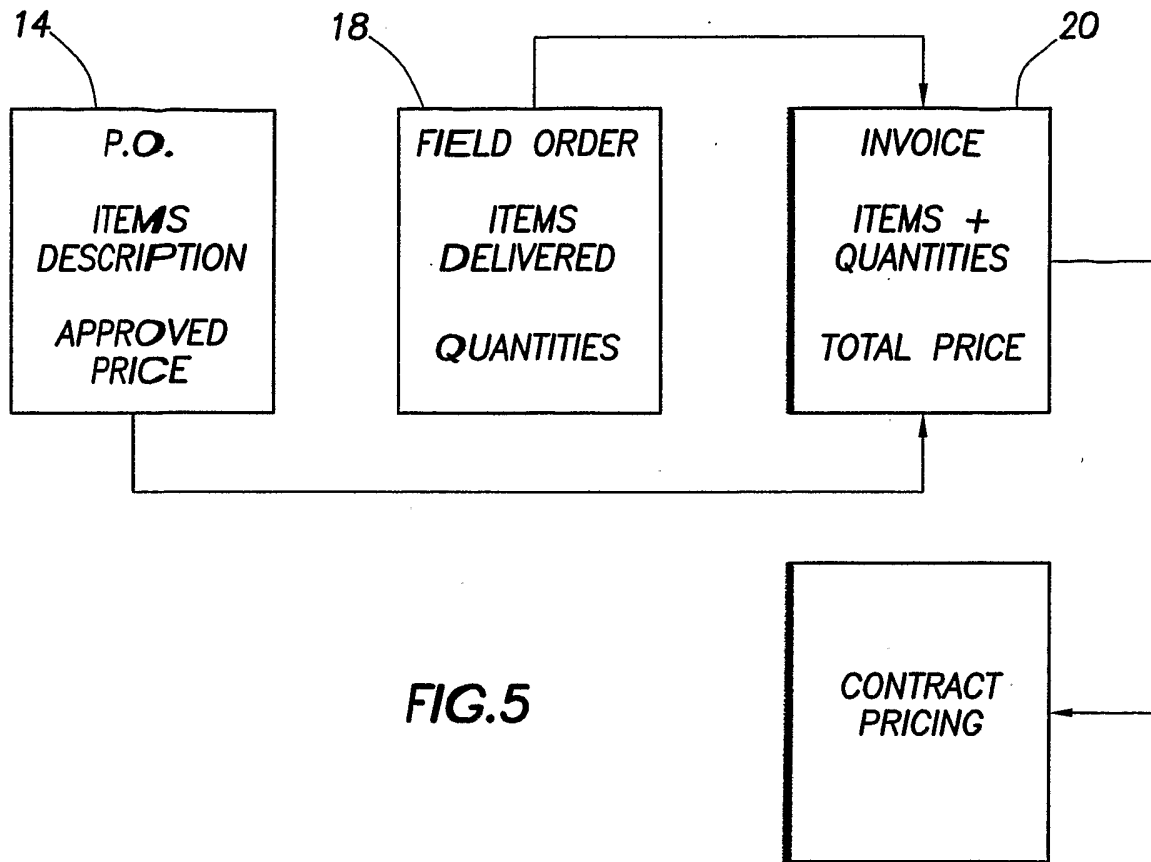


FIG.5

Schlumberger eZView Search

Login to eZView
User Name:
Password:
Login

FIG.8a

Schlumberger eZView Search

[Search](#) | [User Administration](#) | [Company List](#) | [XML Association](#) | [XML Import](#) | [Submit Files](#) | [Logout](#)

90 Welcome to eZView. Please enter your search information below, or you can [Log Out](#) now.

Invoice Number
Field Order Number

92

94

Search

FIG.8b

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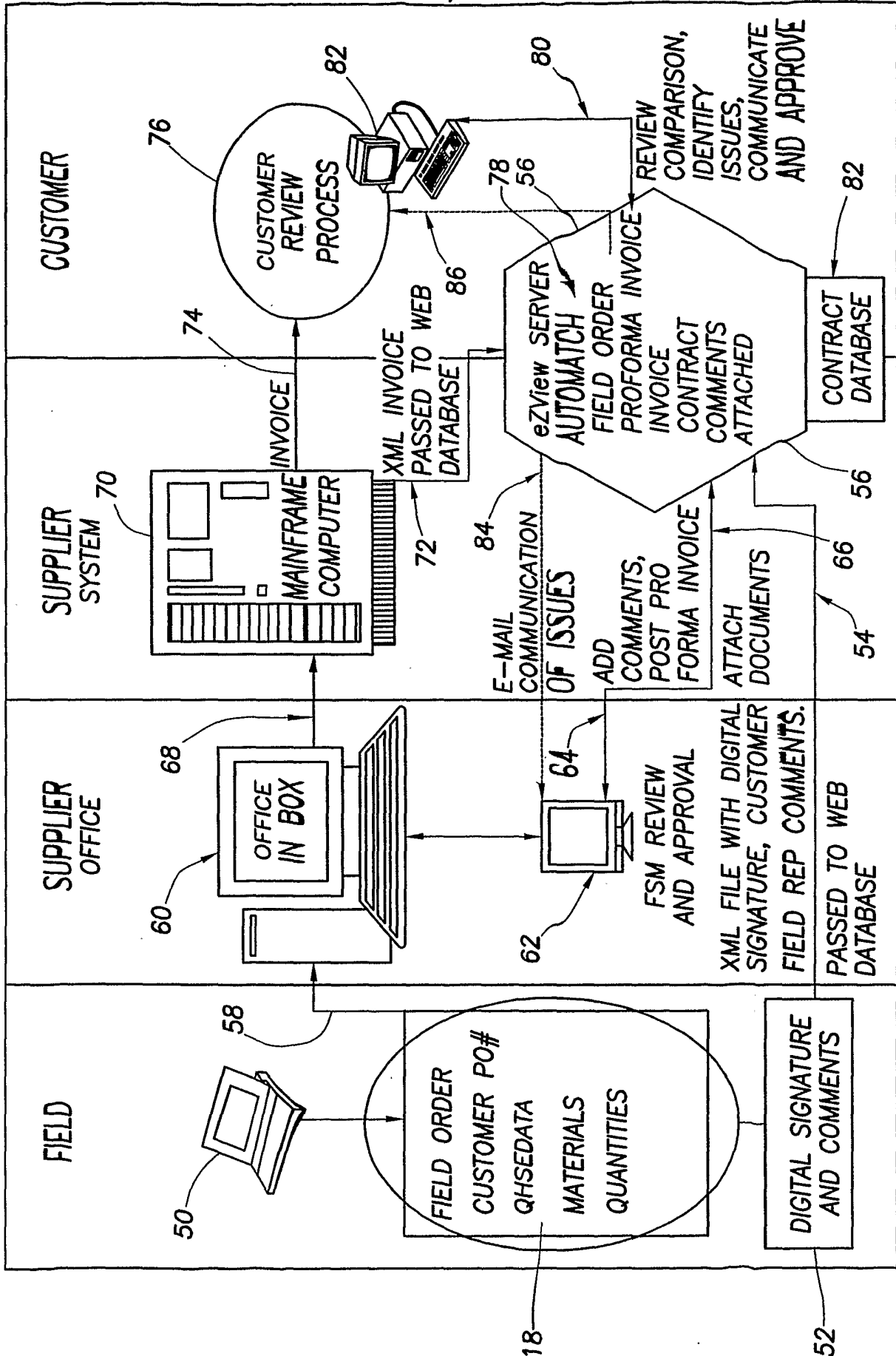


FIG.6

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ezView SO Details Form, Version 1.008

SO Number: B40015000 Customer Name: DSS
 Service Date: 8/9/01 Well Name: My first test
 Cust ID: Cust Address 1:
 CustPO: 2345 City:
 AFE Number: 6666
 Contract Number: 333

Add Customer Comments for eZView Display

#	RexCode	Sub	HL Description	LL Description	Q	Unit Price	Disc%	Line Total
1	0136	01	Array Induction Imager	Depth Charge	15000.0	2.36	0	\$35,400.00
1	0136	02	Array Induction Imager	Survey Charge	15000.0	2.36	0	\$35,400.00
1	0136	03	Array Induction Imager	Service Charge	1.00	4200.00	0	\$4,200.00
2	0432	01	Litho-Density	Depth Charge	15000.0	2.13	0	\$31,950.00
2	0432	02	Litho Density	Survey Charge	15000.0	2.13	0	\$31,950.00
2	0432	E1	Litho-Density	Deviation>50 Degree	0.00	0.32	0	\$0.00
1	0136	DW	Array Induction Imager	Deep Well Surcharge	0.00	2.36	0	\$0.00
1	0136	TP1	Array Induction Imager	Third Party 1	0.00	1.00	0	\$0.00

Record: 1 of 14

Close Form Entrust Settings

Customer Signature Type: User Name and Password User Name:
 Import type: Block Password:
 Name: Password:
 Title: Password:

Estimated Total (Pretax): \$286,500.00

By e-signing, I certify that the above is a responsible estimate of the quantities of the product and services provided on this Field Ticket

E-Sign This Report

FIG. 7

Schlumberger eZView

Search

Search | User Administration | Company List | XML Association | XML Import | Submit Files | Logout

Schlumberger Well Services-Electronic Invoice Approval

Invoice Mailing Address	Well Location Information	Invoice Number:	9090582788
BP AMOCO	Company: LOUISIANA OFFSHORE	Field Order:	6246201
PO Box 22024	Name/Lease: OCSG-5504	Cuts P.O.:	ZAUX0802QF
TULSA OK	Field: EUGENE ISLAND 224	Contract Number:	X3002QF
741212024 US	Well No.: A-2	AFE Number:	Feb-20-2001
	Well County: EUGENE ISLAND	Service Date:	Feb-26-2001
	State/Prov.: LA	Invoice Date:	Feb-26-2001

FIG.9a

#	Material	Description	UOM	Qty	Unit Price	Disc %	Net Amount	Qty	Unit Price	Disc %	Net Amount
C 10	68108105	SET-Service Charge					\$3,866.40	1			\$3,866.40
C 20	6VSECHGB	Service Charge OS Zone B	EA	1	\$10,740.00	64%	\$3,866.40	1	\$10,740.00	64%	\$3,866.40
C 30	60100601D1	PEX-AITH-P-Express w/ AIT-H (trip 1)					\$32,165.22	1			\$32,165.22
C 40	6VDESURHB	Depth Surcharge O/S Zone B	FT	11743	\$0.54	64%	\$2,282.84	11743	\$0.54	64%	\$2,282.84
C 50	6XDEPCHG	Depth Charge	FT	11743	\$6.20	64%	\$26,210.38	11743	\$6.20	64%	\$26,210.38
C 60	6XOPECHG	Operation Charge	FT	3000	\$3.40	64%	\$3,672.00	3000	\$3.40	64%	\$3,672.00
C 70	60050300	DSI-Dipole Sonic Imager					\$13,978.03	1			\$13,978.03
C 80	6VDESURHB	Depth Surcharge O/S Zone B	FT	11743	\$0.18	64%	\$760.95	11743	\$0.18	64%	\$760.95
C 90	6XDEPCHG	Depth Charge	FT	11743	\$1.47	64%	\$6,214.40	11743	\$1.47	64%	\$6,214.40
C 100	6XLOWDPOP	Op Charge-Lower Dipole	FT	1743	\$3.34	64%	\$2,095.78	1743	\$3.34	64%	\$2,095.78
C 110	6XUPDPOP	Op Charge-Upper Dipole	FT	1743	\$3.34	64%	\$2,095.78	1743	\$3.34	64%	\$2,095.78
C 120	6XHFMPOP	Op Charge-High Frequency Monopole	FT	1743	\$2.24	64%	\$1,405.56	1743	\$2.24	64%	\$1,405.56
C 130	6XLFMPOP	Op charge-High Frequency Monopole	FT	1743	\$2.24	64%	\$1,405.56	1743	\$2.24	64%	\$1,405.56

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100C

100a

100b

100

TO FIG.9b

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FROM FIG.9a

C 140	60090305	LEH-QT Tension from LEH- QT Head	FT	SubTotal:	@2,109.72	1	@2,109.72	<input checked="" type="checkbox"/>
C 150	6XDEPCHG	^Depth Charge	FT	11743	\$0.31 64%	11743	\$1,310.52	<input checked="" type="checkbox"/>
C 160	6XOPECHG	Operation Charge	FT	3000	\$0.74 64%	3000	\$799.20	<input checked="" type="checkbox"/>
C 170	60100400	CABLE-Cable Miscellaneous Charges		SubTotal:	\$554.27	1	\$554.27	<input checked="" type="checkbox"/>
C 180	6XSPECIAL	^Special high Strength Logging Cable	EA	11743	\$0.08 41%	11743	\$554.27	<input checked="" type="checkbox"/>
C 300	60100501SU	SURF-Surface Equipment Charges		SubTotal:	\$4,365.00	1	\$4,365.00	<input checked="" type="checkbox"/>
C 310	6XAQUCHGD	Acquisition System Charge- per Day	DAY	10	\$320.00 10%	10	\$2,880.00	<input checked="" type="checkbox"/>
C 320	6XEWUCHGD	Engine Winch Unit Charge- per Day	DAY	10	\$165.00 10%	10	\$1,485.00	<input checked="" type="checkbox"/>
C 330	60070105	RFT-MISC General Conditions		SubTotal:	\$7,920.00	1	\$7,920.00	<input checked="" type="checkbox"/>
C 340	6XRFTSB	Charge for RFT in Standby	HR	30	\$100.00 0%	30	\$3,000.00	<input checked="" type="checkbox"/>
C 350	6XRFTSB	Charge for RFT in Standby	HR	30	\$100.00 0%	30	\$3,000.00	<input checked="" type="checkbox"/>
C 360	6XRFTSB	Charge for RFT in Standby	HR	6	\$160.00 0%	6	\$960.00	<input checked="" type="checkbox"/>
C 370	6XRFTSB	Charge for RFT in Standby	HR	6	\$160.00 0%	6	\$960.00	<input checked="" type="checkbox"/>
C 380	60100500SP	SPEC-ND Specialist Miscellaneous Charges		SubTotal:	\$2,200.00	1	\$1,100.00	<input type="checkbox"/>
C 390	6ZSPEFT	MDT/RFT Specialist-Stand By Time	HR	11	\$100.00 0%	11	\$1,100.00	<input checked="" type="checkbox"/>
C 391	6ZSPEFT	SPEC-ND Specialist Miscellaneous Charges- MDT/RFT Specialist-Stand By Time		11	\$100.00 0%	11	\$1,100.00	<input type="checkbox"/>

- Invoice and Field Order line items match and/or have been approved
- 0 No signature
- 1 Digitally signed with SmartCard
- 2 Digitally signed with generic profile
- 3 Signed with user name and password

FO Total	\$77,729.95
Invoice Total	\$76,629.96
Percent Difference	1.42
Verified Invoice Amount	\$73,651.94
Percent Not Verified	3.89

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FIG.9b

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Schlumberger Well Services - Electronic Invoice Approval

Status of This Transaction	Approved
Invoice Mailing Address	Invoice Number: COL0125802-No Invoice
BP	Field Order: COL0125802
	Cust P.O.: 100
	Contract Number: 0
	AFE Number: Jun-16-2001
	Invoice Date:

Pending Invoice Approval

Well Location Information	108
Company: BP	
Name/Lease: Lina YB-3Z	
Field: Recetor	
Well No.:	
Well County:	
State/Prov.:	

COLOMBIA

Hide Comment

#	Material	Description	UOM
<input checked="" type="checkbox"/>	1 1226	Ultra Sonic Imager Cement	
<input checked="" type="checkbox"/>	100 1-MBG	Service Charge	
<input checked="" type="checkbox"/>	110 01	Depth Charge	
<input checked="" type="checkbox"/>	120 01	Depth Charge	
<input checked="" type="checkbox"/>	130 E1-1	Deviation From 36-50	
<input checked="" type="checkbox"/>	140 02	Survey Charge	
<input checked="" type="checkbox"/>	2 1227	Ultra Sonic Imager Corrosion	
<input checked="" type="checkbox"/>	230 02	Service Charge	
<input checked="" type="checkbox"/>	3 1716	Inclinometer Survey	
<input checked="" type="checkbox"/>	310 01	Depth Charge	
<input checked="" type="checkbox"/>	320 01	Depth Charge	
<input checked="" type="checkbox"/>	330 E1-1	Deviation From 36-50	

Field Order				Invoice			
Qty	Unit Price	Disc %	Net Amount	Qty	Unit Price	Disc %	Net Amount
SubTotal:				SubTotal:			
1	\$17,850.00	0%	\$17,850.00		\$0.00	0%	\$0.00
15960	\$1.92	30%	\$21,450.24		\$0.00	0%	\$0.00
3960	\$1.92	30%	\$5,322.24		\$0.00	0%	\$0.00
2677.25	\$1.00	0%	\$2,677.25		\$0.00	0%	\$0.00
9456	\$3.60	30%	\$23,829.12		\$0.00	0%	\$0.00
SubTotal:				SubTotal:			
6424	\$1.92	30%	\$8,633.86		\$0.00	0%	\$0.00
SubTotal:				SubTotal:			
15935	\$1.26	30%	\$14,054.67		\$0.00	0%	\$0.00
3935	\$1.26	30%	\$3,470.67		\$0.00	0%	\$0.00
1752.53	\$1.00	0%	\$1,752.53		\$0.00	0%	\$0.00

FIG.10

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Schlumberger Well Services - Electronic Invoice Approval

Status of This Transaction	Approved
Invoice Mailing Address	Invoice Number: 9090582788
BP AMOCO	Field Order: 6246201
PO BOX 22024	Cust P.O.: ZAUJ0802QF
TULSA OK	Contract Number: X3002QF
741212024 US	Service Date: Sep-02-2001
	Invoice Date: Sep-06-2001

Hide Comment } **DSO=10 days** } n

Bruce Oney, Schlumberger, 2001-09-05 10:50:10
This is a test comment.

		Field Order			Invoice		
#	Material	Description	UOM	Qty	Unit Price	Disc %	Net Amount
<input checked="" type="checkbox"/>	10	60100105 SET-Service Charge		1			\$3,866.40
<input checked="" type="checkbox"/>	20	6VSECHGB Service Charge OS Zone B	EA	1	\$10,740.00	64%	\$3,866.40
admin, Schlumberger, 2001-08-31 08:07:23 This is a setup charge							
Bruce Oney, Schlumberger, 2001-08-31 13:20:20 this is an admin comment							
bplest, BP, 2001-09-06 20:12:30 This is an example of a customer comment.							
<input checked="" type="checkbox"/>	30	6010060101 PEX-AIH-P-Express w/AIH-H (ftp 1)		1			\$32,165.22
<input checked="" type="checkbox"/>	40	6VDESURHB ~Depth Surcharge O/S Zone B	FT	11743	\$0.54	64%	\$2,282.84
<input checked="" type="checkbox"/>	1	6XDEOCHG ~Depth Charge	FT	11743	\$6.20	64%	\$26,210.38
<input checked="" type="checkbox"/>	1	6XOPECHG Operation Charge	FT	3000	\$3.40	64%	\$3,672.00
<input checked="" type="checkbox"/>	70	60050300 DSI-Dipole Sonic Imager		1			\$13,978.03
<input checked="" type="checkbox"/>	80	6VDESURHB ~Depth Surcharge O/S Zone B	FT	11743	\$0.18	64%	\$760.95
SubTotal:				11743	\$0.54	64%	\$2,282.84
SubTotal:				11743	\$6.20	64%	\$26,210.38
SubTotal:				3000	\$3.40	64%	\$3,672.00
SubTotal:				11743	\$0.18	64%	\$760.95

FIG. 11

12/18

260	6XCREWHR	Crew Time Charge - per Hour	HR	19.5	\$225.00	41%	\$2,588.63	19.5	\$225.00	41%	\$2,588.62	<input checked="" type="checkbox"/> 4
<p>Bruce Uney, Schlumberger, 2001-09-06 20:19:14 Only difference here is a \$0.01 rounding error.</p>												
<input checked="" type="checkbox"/>	270	60100501DH	EQT-Equipment Miscellaneous Charges	Subtotal:	43		\$5,062.20	1			\$5,062.20	<input checked="" type="checkbox"/> 4
<input checked="" type="checkbox"/>	280	6XEQUIHR	Equipment Charge - per Hour			\$160.47	\$4,071.00	43	\$160.47	41%	\$4,071.00	<input checked="" type="checkbox"/> 4
<input checked="" type="checkbox"/>	290	6XEQUIRA	Equipment Charge - per Hour Advanced		43	\$39.07	\$991.20	43	\$39.07	41%	\$991.20	<input checked="" type="checkbox"/> 4
<input checked="" type="checkbox"/>	300	60100501SU	SURF-Surface Equipment Charges	Subtotal:			\$4,365.00	1			\$4,365.00	<input checked="" type="checkbox"/> 4
<input checked="" type="checkbox"/>	310	6XCREWHR	Acquisition System Charge - per DAY		10	\$320.00	\$2,880.00	10	\$320.00	10%	\$2,880.00	<input checked="" type="checkbox"/> 4
<input checked="" type="checkbox"/>	320	6XCREWHR	Engine Winch Unit Charge - per DAY		10	\$165.00	\$1,485.00	10	\$165.00	10%	\$1,485.00	<input checked="" type="checkbox"/> 4
<input checked="" type="checkbox"/>	330	60070105	RFT-MISC General Conditions	Subtotal:			\$7,920.00	1			\$7,920.00	<input checked="" type="checkbox"/> 4
<p>bpctest, BP, 2001-09-06 20:13:51 Why are there two sets of charges here?? Bruce Uney, Schlumberger, 2001-09-06 20:22:40 There was a total of 36 hours of standby time for two sets of equipment. Charges for backup equipment discussed with and approved by Joe Geologist on September 2nd.</p>												
<input checked="" type="checkbox"/>	340	6XRFTSB	Charge for RFT in Standby		30	\$100.00	\$3,000.00	30	\$100.00	0%	\$3,000.00	<input checked="" type="checkbox"/> 4
<input checked="" type="checkbox"/>	350	6XRFTSB	Charge for RFT in Standby		30	\$100.00	\$3,000.00	30	\$100.00	0%	\$3,000.00	<input checked="" type="checkbox"/> 4
<input checked="" type="checkbox"/>	360	6XRFTSB	Charge for RFT in Standby		6	\$160.00	\$960.00	6	\$160.00	0%	\$960.00	<input checked="" type="checkbox"/> 4
<input checked="" type="checkbox"/>	370	6XRFTSB	Charge for RFT in Standby		6	\$160.00	\$960.00	6	\$160.00	0%	\$960.00	<input checked="" type="checkbox"/> 4
<input checked="" type="checkbox"/>	390	60100500SP	SPEC- ND Specialist Miscellaneous Charges	Subtotal:			\$2,200.00	1			\$2,200.00	<input checked="" type="checkbox"/> 4
<input checked="" type="checkbox"/>	390	6XCREWHR	MDT/RFT Specialist - Stand By time		11	\$100.00	\$1,100.00	11	\$100.00	0%	\$1,100.00	<input checked="" type="checkbox"/> 4
<input checked="" type="checkbox"/>	391	6XCREWHR	SPEC - ND Specialist Miscellaneous Charges MDT/RFT Specialist - Stand By time		11	\$100.00	\$1,100.00	11	\$0.00	0%	\$0.00	<input type="checkbox"/> 4
<p>See legend below</p>												
<p>Field Ticket Signed By John Doe</p>												
<p>Title Well Operator</p>												
<p>Schlumberger Engr Joe Engineer</p>												
<p>Invoice Verifications admin</p>												
<p>Bruce Oney</p>												
<p>Invoice Amount (Pre-tax) \$76,629.96</p>												
<p>Verified Invoice Amount \$76,629.96</p>												
<p>Difference (Pre-tax) \$0.00</p>												
<p>Percent Difference .00%</p>												
<p>Tax \$0.00</p>												
<p>Invoice Total with Tax \$76,629.96</p>												

FIG.12

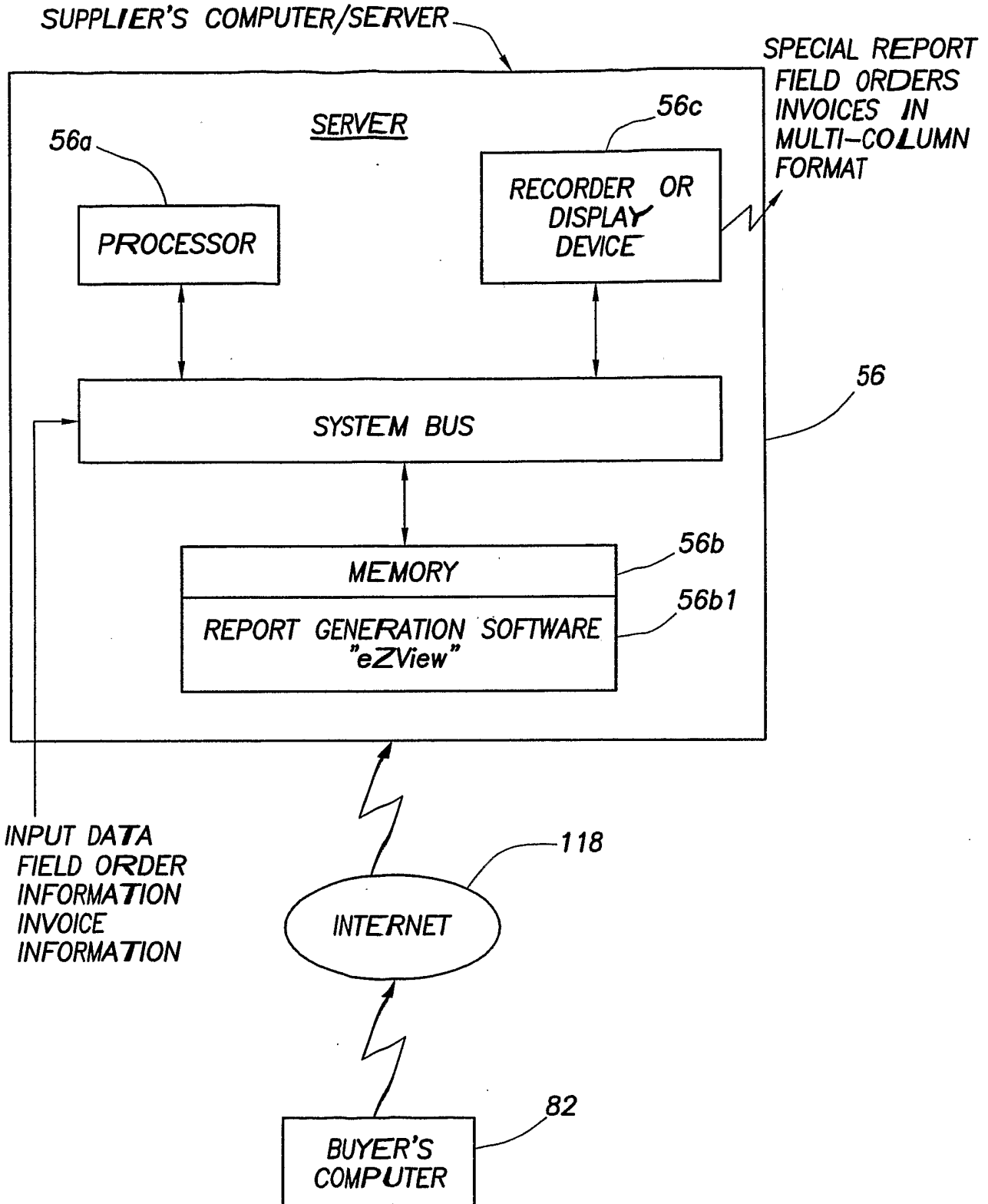


FIG. 13

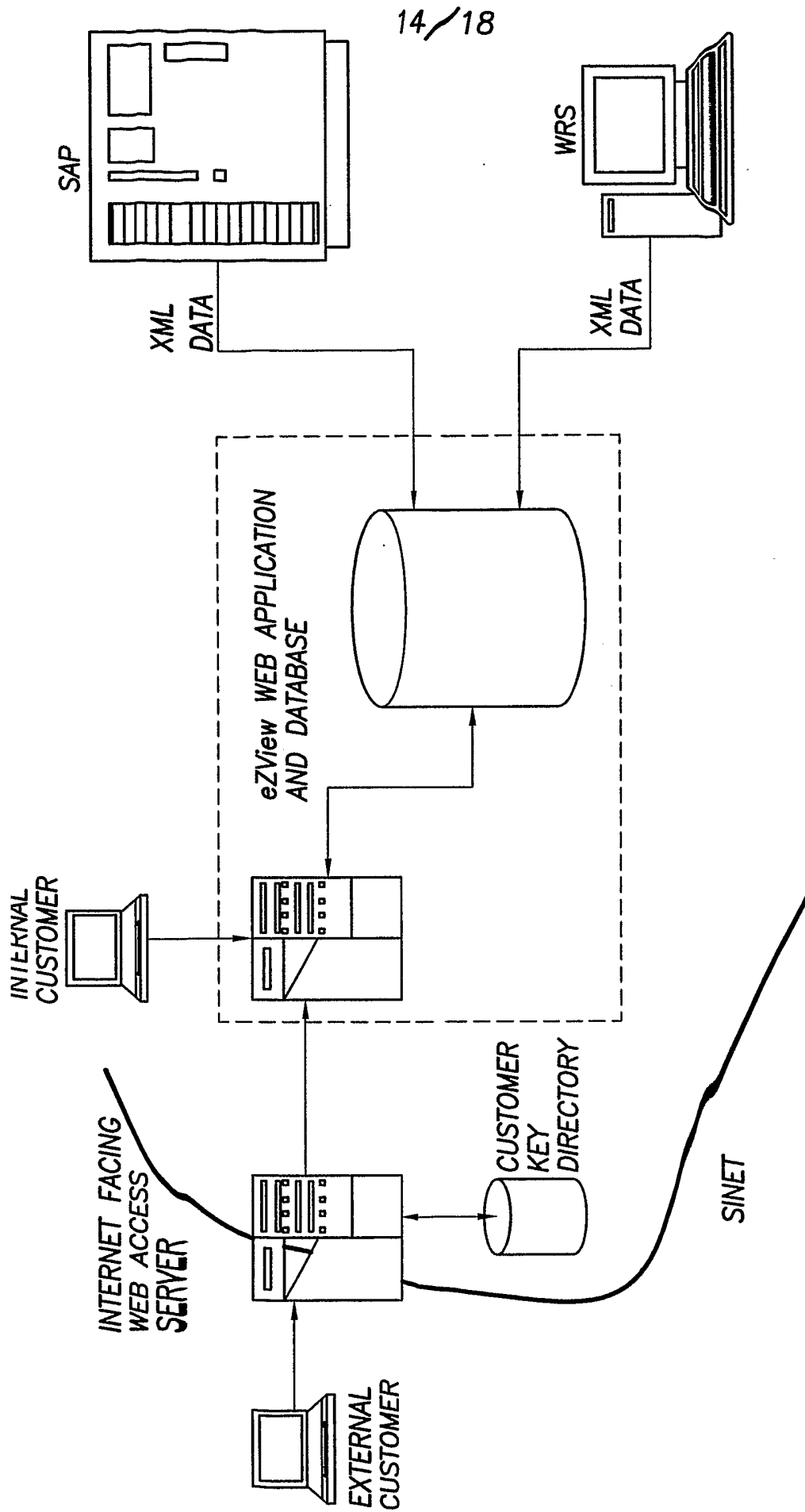


FIG. 14

<p style="text-align: center; font-size: 24px; font-weight: bold;">Schlumberger</p> <p style="text-align: center; font-size: 24px; font-weight: bold;">eZView</p> <p style="text-align: center;"> Home → Directory → Downloads → SABL → Eureka → SSA <small>SUBSCRIBE \$77.94 +0.25</small> </p>	<p style="text-align: right;"> Contact Us Site Guide the Hub </p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;"> <input type="text"/> </div> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> The Hub </div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 5px;"> <input type="button" value="Search"/> </div> <p style="text-align: right; margin-top: 5px;"> Search Help </p>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p style="font-weight: bold; margin: 0;">realtimenews</p> <p style="font-size: 8px; margin: 0;">Selected from independent sources by Schlumberger editors worldwide</p> <ul style="list-style-type: none"> <input type="radio"/> Oil & Gas News <input type="radio"/> Smart Cards & Terminal News <input type="radio"/> Semiconductors & Testing News <input type="radio"/> Utility Industry News <input type="radio"/> Network & Internet News </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <ul style="list-style-type: none"> Change or Delete Customization Last Seven Days' News Subscribe to Headlines </div> <div style="border: 1px solid black; padding: 5px;"> <ul style="list-style-type: none"> <input type="radio"/> Schlumberger Press Releases Press Release Archive Subscribe to Press Releases </div> <div style="margin-top: 20px; text-align: center;"> <p> Welcome to eZView. Please enter your search information below, or you can Log Out now. </p> <div style="display: flex; justify-content: center; gap: 20px; margin-top: 10px;"> <div style="text-align: center;"> <p>Invoice Number</p> <input style="width: 100px; height: 20px;" type="text"/> </div> <div style="text-align: center;"> <p>Field Order Number</p> <input style="width: 100px; height: 20px;" type="text"/> </div> <div style="text-align: center; margin-top: 10px;"> <input style="width: 80px; height: 30px;" type="button" value="Search"/> </div> </div> </div>
---	---	---

FIG.15

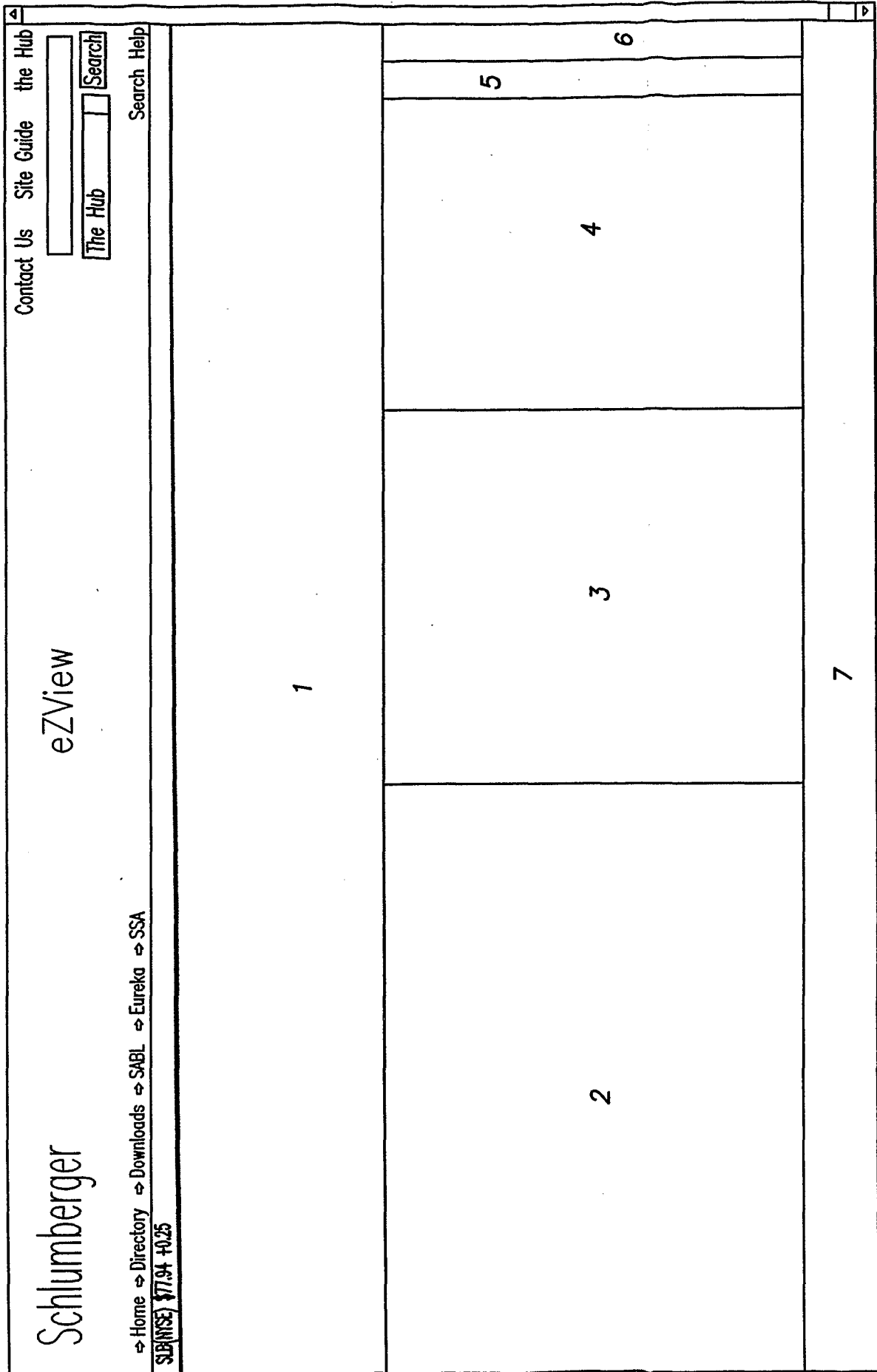


FIG.16

Schlumberger

eZView

Contact Us Site Guide the Hub

The Hub

Search Help

Home → Directory → Downloads → SABL → Eureka → SSA

SUBINSE 17.94 40.25

Invoice Mailing Address		Well Location Information		Invoice Number: 9090671234	
Chevron USA PRODUCTION COMPANY		Company: Chevron USA Production Company		Field Order: 6246299	
GULF OF MEXICO		Name/Lease: OCSG-02941		Cust P.O.#: 4505961	
935 GRAVIER STREET, STE 637A		Field: South Pass 78		Contract #:	
NEW ORLEANS LA		Well No:		AFE Number: UWGESR0421EXP	
70112 US		Well County: South Pass 78		Service Date: 3-Mar-01	
		State/Prov: LA		Invoice Date: 15-Mar-01	

Line Items have been digitally signed

Items and Quantities match between Field Order and Invoice

Schlumberger Comment: [Click job no problems.](#)

Customer Comment: I have reviewed the ticket, and can confirm all additional items were delivered. Joe Geologist

Line	Material	Description	UCM	Field Order			Invoice			
				Quantity	Unit Price	Disc %	Quantity	Unit Price	Disc %	Net Amount
20	61040400	JB - Junk Basket		Sub Total: \$ 2,982.20			Sub Total: \$ 2,982.20			
30	6XDFCHG	^Depth Charge	FT	5400	0.36	35%	5400	0.36	35%	\$ 1,263.60
40	6XFLATCH	Flat Charge	EA	1	700.00	35%	1	700.00	35%	\$ 455.00
50	6XGUNGR	:Gun -Gamma Ray for FDC = Perf Depth Ch	FT	5400	0.36	35%	5400	0.36	35%	\$ 1,263.60
60	60010203	AIT-B Array Induction Imager		Sub Total: \$31,633.93			Sub Total: \$35,920.04			
70	6VDESURCH	^Depth Surcharge O/S Zone B	FT	15020	0.19	40%	15020	0.19	40%	\$ 1,732.11
80	6XDFCHG	^Depth Charge	EA	15020	1.70	40%	15020	1.70	40%	\$15,302.38
90	6XDFECHG	Operation Charge	FT	15020	1.62	40%	15020	1.62	40%	\$14,599.44
100	6XGRDFRH-1	^GR in Combo-Depth Charge (descent-1)	FT	19021	0.25	40%	19021	0.25	40%	\$ 2,213.35
Schlumberger Comment: Gamma Ray charges added as per contract.										
110	6XGROPE-1	GR in Combo Ops Charge (descent-1)	FT	15022	0.20	40%	15022	0.20	40%	\$ 2,072.76
120	60030600	LDT - Litho-Density Log		Sub Total: \$29,685.29			Sub Total: \$16,240.18			
130	6VDESURCH	^Depth Surcharge O/S Zone B	FT	15020	0.19	40%	15020	0.19	40%	\$ 1,732.11
140	6XDFCHG	^Depth Charge	EA	15020	1.36	40%	15020	1.36	40%	\$12,222.07
150	6XDFECHG	Operation Charge	FT	15020	1.27	40%	3000	1.27	40%	\$ 2,286.00

FIG.17

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Schlumberger Well Services
 Division of Schlumberger Technology Corporation
 300 Schlumberger Drive, Sugar Land, TX 77478

Original Invoice

EDI Transmission

Invoice 9090198186	Invoice Date 07/30/1998	Field Service Order 1175150	Service Date 07/22/1998	Terms 30 Days Net from 07/30/1998	
Bill's Oil Company MOXA ARCH / WAMSUTTER OPERATIONS PO Box 157 WAMSUTTER WY 82336		Schlumberger Well Services a Division of Schlumberger PO Box 201193 HOUSTON TX 77216-1193 Tax Registration Number: 22-1692661 We can invoice you EDI. Call (281) 285-4238 for more information.			
Customer PO ZHW806GEN1		Contract			
Well Name-Number TWO RIM UNIT 2S-4		Field WILD ROSE			
Well Location SEC25 T:19N R:95W		Offshore Zone	Price Reference 6N-WL Land 06 Prices		
County/Permit/Through Sweetwater		State WY	Customer Job Representative H. SANDERS		
Item	Description	Quantity	UOM	Unit Price	Amount
6111010SC	SET-C - Service Charge CSU PS	1.00			
6XFLATCHL	Service Flat Charge - Land	1.00	EA	540.00	
6XSERCHGD	Service Depth Charge	10,515.00	FT	0.14	
Gross Price					
Discount/Surcharge					
Tax					
Sub-Total with Tax					
61010100CC	PDC - Perforating Depth Control	1.00			
6XDIEPDCGR	Depth - PDC-Gamma Ray	10,515.00	FT	0.25	
6XOPPCGR	Operation - PDC-Gamma Ray	2,015.00	FT	0.25	
Gross Price					
Discount/Surcharge					
Tax					
Sub-Total with Tax					
61110300	MAST - Crane and Mast Charges	1.00			
6XCFLANE0-50	Daily Charge - Crane up to 50ft	1.00	DAY	465.00	
Gross Price					
Discount/Surcharge					
Tax					
Sub-Total with Tax					
Invoice Total Before Tax					
Taxes 4.00%					
Taxes 1.00%					
Total Amount Due - PAYABLE IN USD FUNDS					
Additional EDI information:					

Plant: 6637 Rock Springs District

Manager: Eric Berlin (307) 362-9350

Customer: 1 0000364

28Dec00:1431

Page 1 of 1

FIG. 18