

ATTACHMENT E – BILLING SYSTEMS INTERFACES

PRODUCTION SYSTEM INTERFACE

The District operates a web based line of business system called the Production System. This system supports permitting and enforcement operations and interfaces with JD Edwards using web services to both read and write financial information. The system currently interfaces with the JD Edwards Address Book, Customer Master, Vendor Master, Accounts Receivable and General Ledger systems.

The interface between the Production System and JD Edwards One World 8.0 was custom developed and uses .NET web services. This interface leverages JDE XML call object interoperability functionality and makes asynchronous requests to JDE establishing a new JDE session for each web service request. A combination of both standard and custom JDE business functions are called by the interface.

Vendor must maintain the following functional calls/notifications as part of the upgrade effort from JD Edwards OneWorld 8.0 to EnterpriseOne 9.1:

- **Create Account:** This call sets up a new Address Book, Customer Master and Vendor Master Record in JDE if it does not already exist. The Long Address Number F0101.ABALKY is utilized to store the customer identifier from the Production System. The Long Address Number is also a key in the interface linking to address number fields in different JDE tables.
- **Create Invoice:** This call takes the invoice line items grouped by general ledger class code from the Production System and writes them to the JDE Accounts Receivable Ledger File (F03B11) and the General Ledger (F0911) for an existing Customer/Facility/Site combination. Functionality within JDE then provides the GL Class code mapping to a General Ledger Account for the invoice distribution.
- **Adjust Invoice:** This call takes the invoice line items grouped by general ledger class code from the Production System and writes them to the JDE Accounts Receivable Detail Ledger and the General Ledger for an existing Customer/Facility/Site and an existing Invoice Number.
- **Payment Status Update:** This call checks the Paid Status of an Invoice using the Accounts Receivable Detail Ledger. A Paid Status code of an 'A' indicates that there is an Open Amount yet to be paid. A Paid Status code of a 'P' means that the Invoice (Line) is paid. The Open Amount field will correspond to this code; in a record with an 'A' the Open Amount will not be zero.
- **Check Account Balance:** This call returns summarized Customer Account Aged Balances to the Production System for an existing Customer.
- **Update Invoice Due Date:** This call updates the expected due date for a given invoice.
- **Get Invoice Balances:** Returns a list of open invoice numbers and open balance amounts from JD Edwards.

Payment Notification: Notification to the Production System when a payment is applied to an invoice in JD Edwards.

IRIS SYSTEM INTERFACE

The District's legacy billing system (IRIS) also interfaces with JD Edwards Address Book, Customer Master, Vendor Master, Accounts Receivable and General Ledger systems through ODBC connection using a VB program, and the Z processes in JDE. The interface program, which runs on a 15 minute interval, transmits invoice charges and customer data from IRIS to JDE. Nightly and weekend data transfer processes load customer and renewal invoice data from IRIS to JDE. These data are created in Databank, another legacy system.

Vendor must maintain the following functional calls/notifications as part of the upgrade effort from JD Edwards OneWorld 8.0 to EnterpriseOne 9.1:

IRIS/JDE (Accounts Receivable) Interface:

- Loads customer and invoice data from IRIS tables to the interface intermediary tables (XXJDESite, and XXJDEInv) in IRIS
- Validate data in intermediary tables
- Moves customer data from the IRIS intermediary tables to the JDE custom tables F570101Z (creates JDE customer account using owner and site concatenation) using Batch program R570101Z
- Moves invoice data from the IRIS intermediary tables to the JDE custom tables F5703B11 (creates a JDE document number) using batch program R5703B11Z
- Starts the required JDE UBE program R0101Z and R03B11Z11 and automatically post records
- Logs errors and email notification support

JDE/IRIS (Payment Transactions) Interface:

The result of the following payment transactions are moved by the interface program from JDE to IRIS:

- Apply Payment
- Adjust Payment
- Void Payment
- Insufficient Fund
- Refund

When Payment transactions are posted in JDE, the JDE custom batch program R5703B13 moves payment transaction data from JDE payment tables to the custom JDE tables F5703B13, and F5703B14. The IRIS VB program retrieves data from the custom JDE tables (F5703B13, and F5703B14) and moves them to the IRIS Payment Tables (acctpymnt, acctitem, acctpymntitem, and inv).