



IBM Software Group

# A3: WDI 3.3 Map / ADF / STDS / XML / Record ID

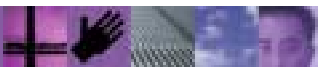
WebSphere. software

A decorative horizontal bar with various colored and patterned segments, including yellow, green, red, and purple, is located below the 'WebSphere. software' text.

**ON** DEMAND BUSINESS™

# Objectives

- Highlight the WDI 3.3 version changes in each of these areas.
  - Standards
  - XML
  - Application Data Formats (Record Ids)
  - Mapping

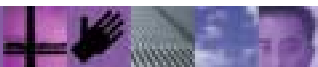


# WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- Standards

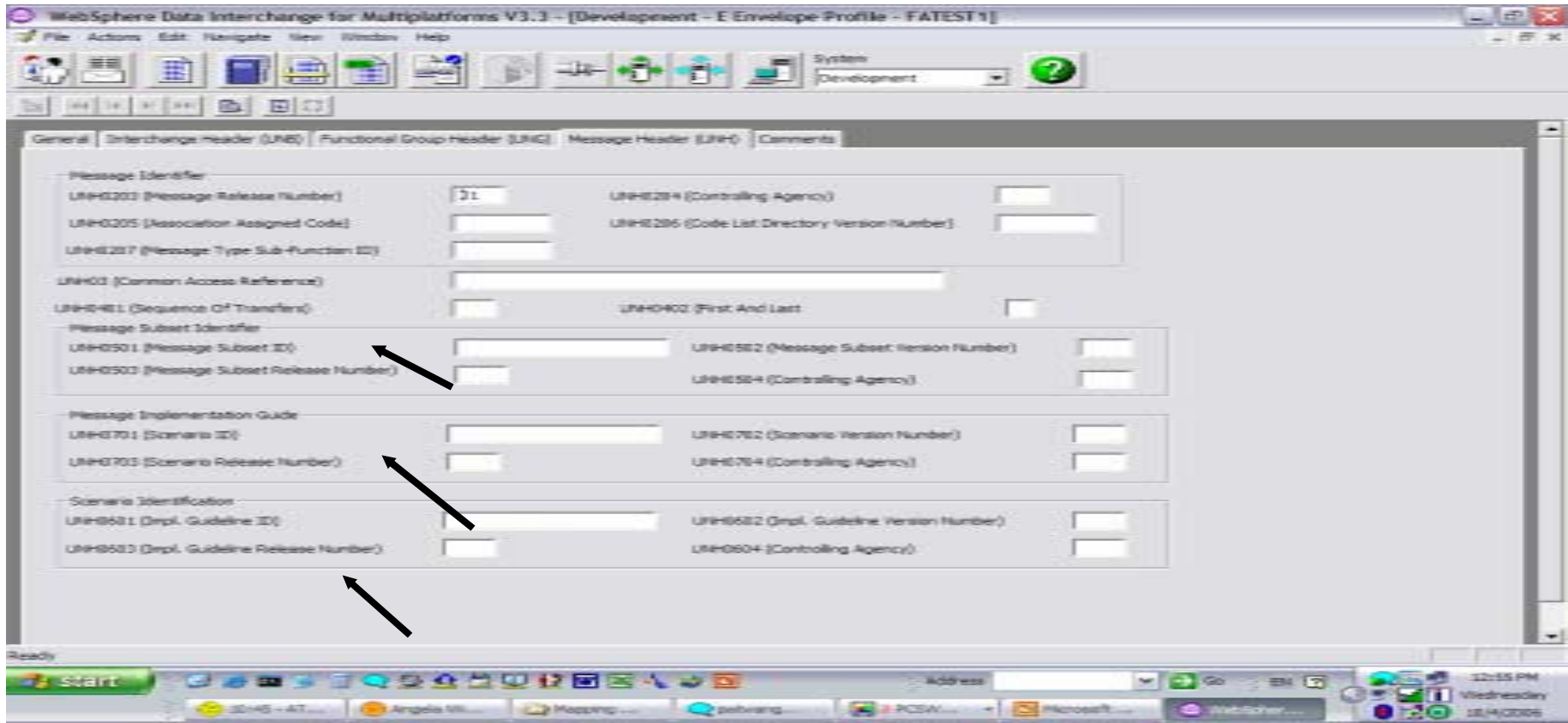
- *Support new EDI envelope fields*

- Support new EDI envelope fields, such as ST03, and various new EDIFACT envelope fields.
  - The ST03 and some of the UNH fields will be used as part of the dictionary/document lookup logic.
  - As part of this enhancement, the envelope profiles were also updated to be more usable.



# WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- Standards – Envelope Profile Fields



WebSphere Data Interchange for Multipatforms V3.3 - [Development - E Envelope Profile - FATEST 1]

File Actions Edit Navigate View Window Help

System Development

General Interchange Header (LPH0) Functional Group Header (LPH1) Message Header (LPH2) Comments

Message Identifier

LPH0203 (Message Release Number) 31 LPH0204 (Controlling Agency)

LPH0205 (Association Assigned Code) LPH0206 (Code List Directory Version Number)

LPH0207 (Message Type Sub-Function ID)

LPH02 (Common Access Reference)

LPH0401 (Sequence Of Transfers) LPH0402 (First And Last)

Message Subset Identifier

LPH0501 (Message Subset ID) LPH0502 (Message Subset Version Number)

LPH0503 (Message Subset Release Number) LPH0504 (Controlling Agency)

Message Implementation Guide

LPH0701 (Scenario ID) LPH0702 (Scenario Version Number)

LPH0703 (Scenario Release Number) LPH0704 (Controlling Agency)

Scenario Identification

LPH0601 (Impl. Guideline ID) LPH0602 (Impl. Guideline Version Number)

LPH0603 (Impl. Guideline Release Number) LPH0604 (Controlling Agency)

Ready

Start

Address

12:55 PM  
Wednesday  
12/14/2005

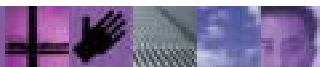
# WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

## ■ Standards

### ➤ *Add support for ANSI X12 999 Acknowledgment*

Support sending, receiving, and reconciling an X12 999 acknowledgement instead of a 997.

- Provide the Functional Acknowledgment Map for the 999 Acknowledgment.
- Provide Validation Mapping Commands to support Validation for the 999 Acknowledgment.



## WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

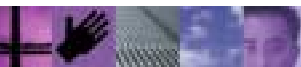
- Standards WDI Client Functional Area:
  - *Add Syntax Note Tab to Transaction, Segment, and Composite Element editors.*
  - *Code List Tab also included within Mapping Functional Area.*



# WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- Standards WDI Client Functional Area:

| Position | Note Type | Relation  | Pos... | Pl... | Position 2 | Position 4 | Position 5 | Position 6 | Position 7 | Position 8 | Po... | Pl... | Note  |
|----------|-----------|---|--------|-------|------------|------------|------------|------------|------------|------------|-------|-------|-------|
| 2        | Semantic  | Semantics relationship                              |        |       |            |            |            |            |            |            |       |       | MP10C |
| 8        | Syntax    | IF one related element is present, all must be...   | 8      | 9     |            |            |            |            |            |            |       |       |       |
| 10       | Comment   | Comments relationship                               |        |       |            |            |            |            |            |            |       |       |       |
| 11       | Syntax    | IF the first related element is present, all oth... | 11     | 10    |            |            |            |            |            |            |       |       |       |



## WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

### ■ XML

➤ *XML Tool Kit Upgrade.*

➤ *WDI 3.2 currently uses the following XML Tool kit versions.*

- *For z/OS batch it requires the XML4C parser from XML Toolkit V1R4. This parser has been re-released as the “XML C++ Parser for the OS/390 V2.10 C++ Compiler for z/OS”. Although this is still available, it is several releases behind the current release (V1R8).*
- *For CICS TS 2.2 it requires the XML4J parser from XML Toolkit V1R4. This is currently out of service.*
- *For CICS TS 1.3, it requires the XML4J parser from XML Toolkit V1R2. This has been out of service for some time, and requires special arrangements for customers to obtain it.*

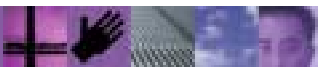




## WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

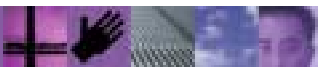
### ■ XML

- *For WDI 3.3, will upgrade to the latest version of the XML Tool kit / XML4C / XML4J parsers.*
  - *For z/OS batch, will use the XML4C parser from recently released XML Toolkit V1R8.*
  - *For Multiplatform, will use the corresponding version of the XML4C parser (V5.5)*
  - *For CICS TS 2.3 and later, will use the XML parsing APIs that are included in Java 1.4 and later. CICS TS 1.3 and CICS TS 2.2 will not be supported.*



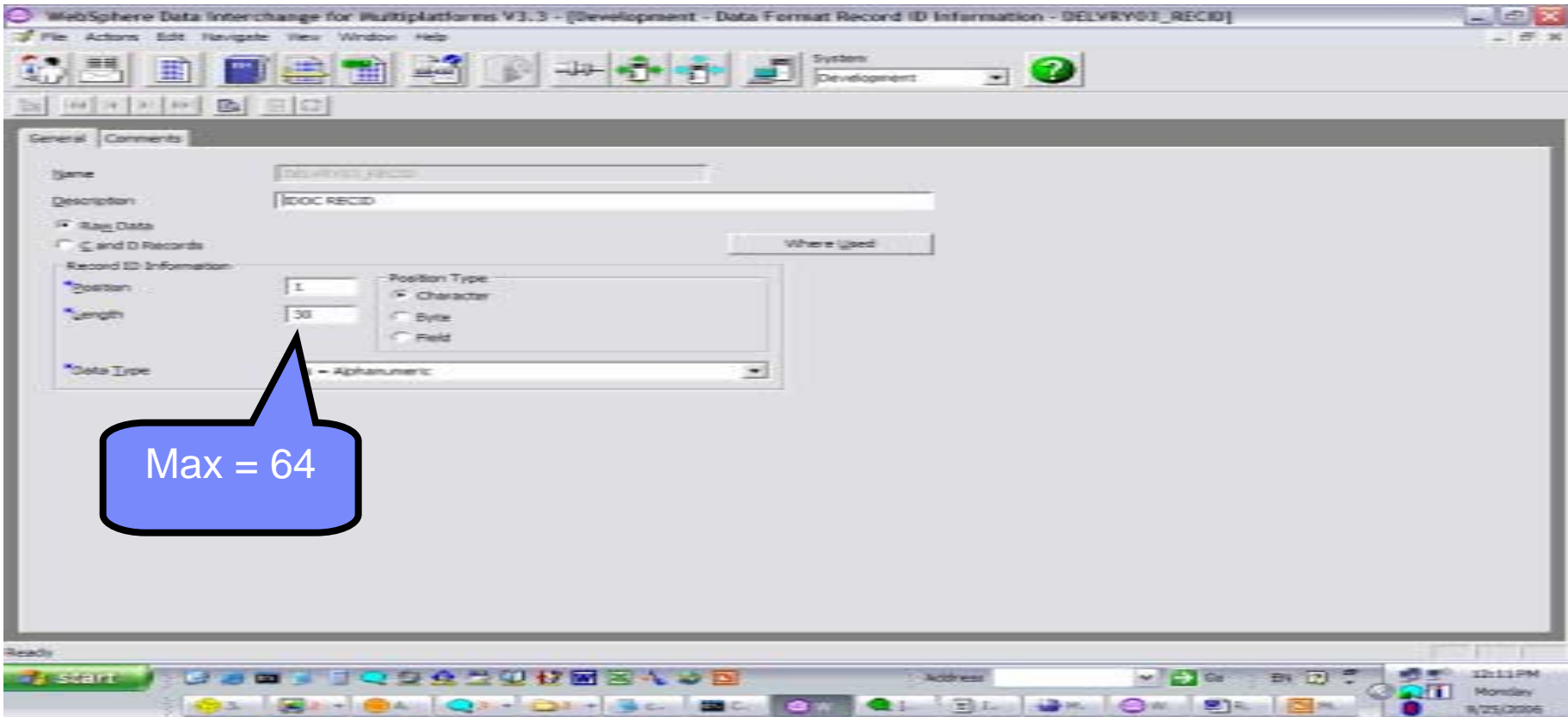
## WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- Application Data Formats
  - Allow varying/multiple record ids in a Data Format
  - WDI 3.2 requires all records in the Data Format Definition (DF) to have the same record id location and length. This can be a problem for customers trying to map to or from customized SAP IDOCS, since SAP allows the IDOCS to use longer record ids on the detail records than on the header records. For example, the header record is normally 10 bytes, but detail records may have record ids up to 30 characters.
  - WDI 3.3 will allow the records in the Data Format Definition to have different lengths for the record ids. In addition, the maximum length will be extended from the current limit of 16 characters, up to a length of 64 characters.



# WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- Application Data Formats – Record Id Information



# WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

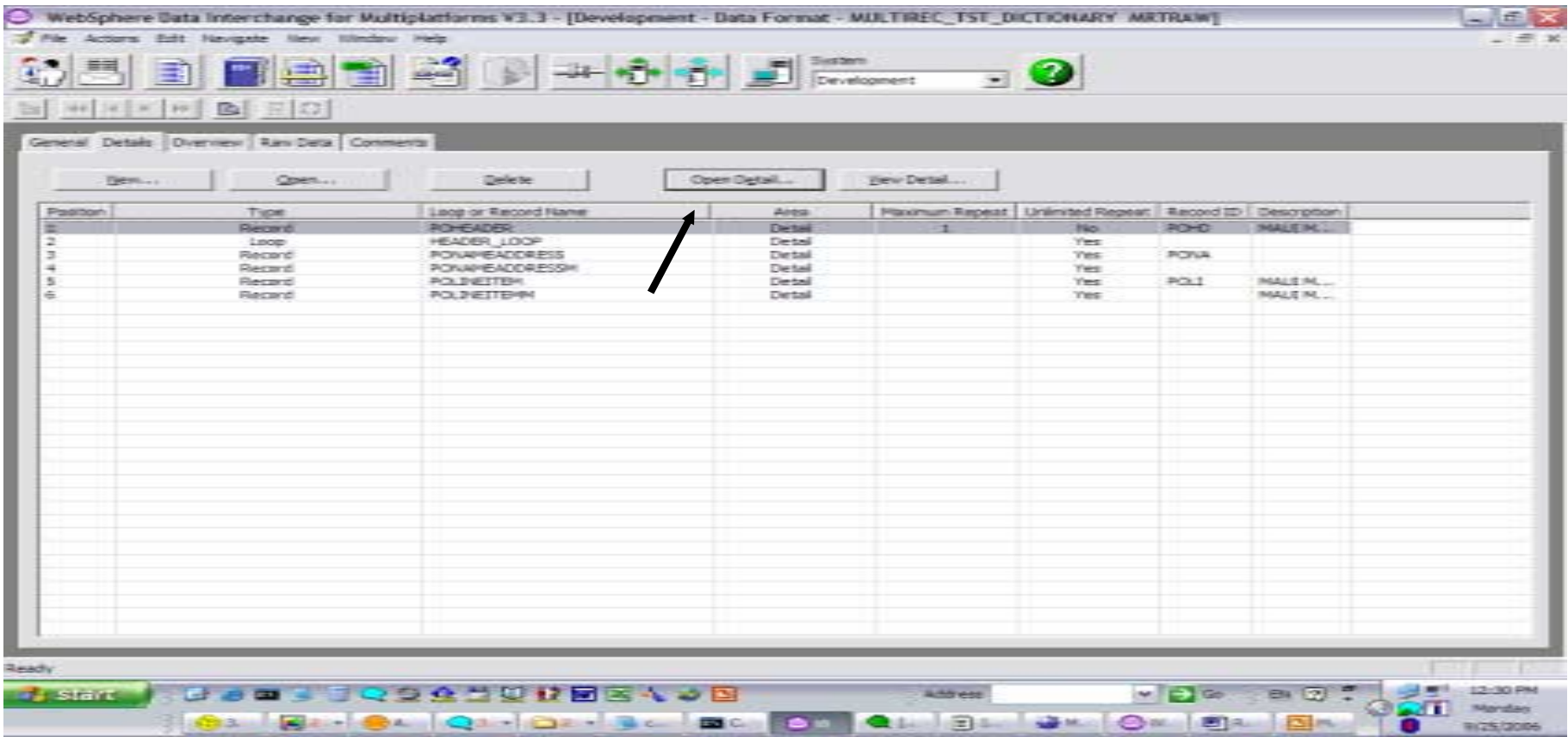
- Application Data Formats – Multiple Record Id Support

The screenshot displays the WebSphere Data Interchange for Multiplatforms V3.3 interface. The main window shows a table with the following columns: Position, Type, Loop or Record Name, Area, Maximum Repeat, Unlimited Repeat, Record ID, and Description. The table contains six rows of data. Two black arrows point to the 'Loop or Record Name' and 'Record ID' columns.

| Position | Type   | Loop or Record Name | Area   | Maximum Repeat | Unlimited Repeat | Record ID | Description |
|----------|--------|---------------------|--------|----------------|------------------|-----------|-------------|
| 1        | Record | PCHEADER            | Detail | 1              | No               | PCRD      | MALE PL...  |
| 2        | Loop   | HEADER_LOOP         | Detail |                | Yes              |           |             |
| 3        | Record | PONAMEADDRESS       | Detail |                | Yes              | PONA      |             |
| 4        | Record | PONAMEADDRESSK      | Detail |                | Yes              |           |             |
| 5        | Record | POLNETEM            | Detail |                | Yes              | POLI      | MALE PL...  |
| 6        | Record | POLNETEMK           | Detail |                | Yes              |           | MALE PL...  |

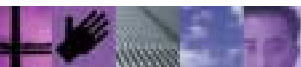
# WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- Application Data Formats – Multiple Record Id Support



The screenshot displays the WebSphere Data Interchange for Multiplatforms V3.3 interface. The window title is "WebSphere Data Interchange for Multiplatforms V3.3 - [Development - Data Format - MULTIREC\_TST\_DICTIONARY - MRTRAW]". The interface includes a menu bar (File, Actions, Edit, Navigate, New, Window, Help), a toolbar with various icons, and a system tray showing "Development". Below the toolbar are tabs for "General", "Details", "Overview", "Raw Data", and "Comments". A toolbar with buttons "Open...", "Open Detail...", "Delete", and "View Detail..." is positioned above a table. The table has the following columns: Position, Type, Loop or Record Name, Alias, Maximum Repeat, Unlimited Repeat, Record ID, and Description. A black arrow points to the "Loop or Record Name" column.

| Position | Type   | Loop or Record Name | Alias  | Maximum Repeat | Unlimited Repeat | Record ID | Description |
|----------|--------|---------------------|--------|----------------|------------------|-----------|-------------|
| 1        | Record | POHEADER            | Detail | 1              | No               | POHD      | MALE M...   |
| 2        | Loop   | HEADER_LOOP         | Detail |                | Yes              |           |             |
| 3        | Record | POVAADDRESS         | Detail |                | Yes              | POVA      |             |
| 4        | Record | POVAADDRESSH        | Detail |                | Yes              |           |             |
| 5        | Record | POLNETITH           | Detail |                | Yes              | POLI      | MALE M...   |
| 6        | Record | POLNETITHM          | Detail |                | Yes              |           | MALE M...   |



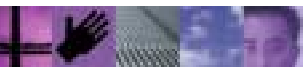
# WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- Application Data Formats – Multiple Record Id Support

The screenshot shows the WebSphere Data Interchange for Multiplatforms V3.3 interface. The window title is "WebSphere Data Interchange for Multiplatforms V3.3 - [Development - Data Format Record - MULTIREC\_TST\_DICTIONARY\_POHEADER]". The interface includes a menu bar (File, Actions, Edit, Navigate, View, Windows, Help), a toolbar, and a main workspace with tabs for "General", "Details", and "Comments". The "General" tab is active, displaying a table of data format fields. A black arrow points to the "Position" column of the table.

| Position | Type      | Structure or Field Name | Occurs | Occurs Depending On | Field Combines Record ID | Record ID | Data Type | Field Length | Description |
|----------|-----------|-------------------------|--------|---------------------|--------------------------|-----------|-----------|--------------|-------------|
| 1        | Field     | POHEADERRECID           | 1      |                     |                          |           | AN = 4... | 4            | MAJL M...   |
| 2        | Field     | POHEADERPOND            | 1      |                     |                          |           | AN = 4... | 5            | MAJL M...   |
| 3        | Field     | POHEADERTIME            | 1      |                     |                          |           | TN = Time | 4            | MAJL M...   |
| 4        | Field     | POHEADERDELTYDT         | 1      |                     |                          |           | AN = 4... | 4            | MAJL M...   |
| 5        | Structure | TFIELDS                 | 1      |                     |                          |           |           |              | MAJL M...   |
| 6        | Structure | POHEADERSEUER           | 1      |                     |                          |           |           |              | MAJL M...   |
| 7        | Structure | POHEADERSELLER          | 1      |                     |                          |           |           |              | MAJL M...   |
| 8        | Field     | POHEADERCUSLOC          | 1      |                     |                          |           | AN = 4... | 20           | MAJL M...   |
| 9        | Field     | POHEADERCLOC            | 1      |                     |                          |           | AN = 4... | 20           | MAJL M...   |
| 10       | Field     | POHEADERPROSEY          | 1      |                     |                          |           | AN = 4... | 12           | MAJL M...   |

The Windows taskbar at the bottom shows the Start button, a taskbar with various application icons, and the system tray displaying the time as 12:34 PM on Monday, 9/25/2006.



# WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- Application Data Formats – Multiple Record Id Support

The screenshot displays the WebSphere Data Interchange for Multiplatforms V3.3 interface. The title bar reads "WebSphere Data Interchange for Multiplatforms V3.3 - [Development - Data Format Record - MULTIREC\_TST\_DICTIONARY POHEADER]". The interface includes a menu bar (File, Actions, Edit, Navigate, View, Window, Help) and a toolbar with various icons. The main window is divided into tabs: "General", "Details", and "Comments".

The "General" tab is active, showing the following configuration fields:

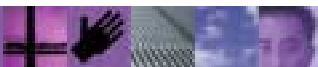
- Record Name: POHEADER
- Dictionary Name: MULTIREC\_TST\_DICTIONARY
- Description: MAUI MAP TEST - EDIFACT PO
- Record Identification:
  - Default (Use the Record ID Information Object Specified in the Data Format)
  - Use a Specific Record ID Information Object
  - Indicate the Record ID Using Fields
- Record Identifier: POHD
- Record ID Information: (Dropdown menu)
- Position Type:
  - Character
  - Byte
  - Field
- Position: (Text field)
- Length: (Text field)
- Data Type: (Text field)

There are also radio buttons for "Raw Data" and "C and D Records". A black arrow points to the "Record Identifier" field.

The Windows taskbar at the bottom shows the "start" button, several application icons, the address bar, and the system clock displaying "12:32 PM Monday 9/25/2006".

## WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

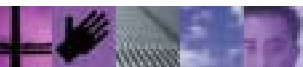
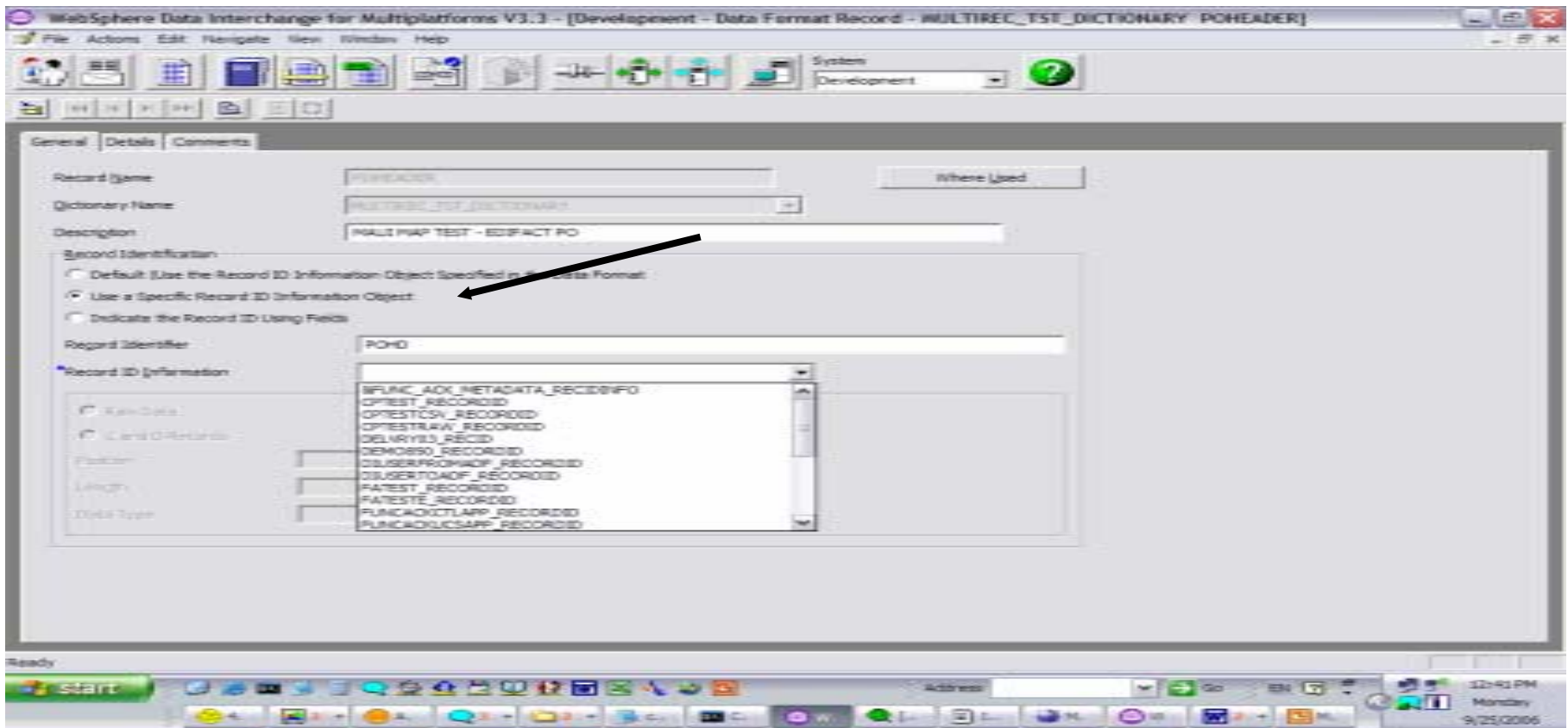
- **Application Data Formats – Multiple Record Id Support**
  - **Default** - This record uses the record Id from it's parent Data Format. The user enters the value of "Record Identifier text field" in a corresponding text field for this radio button and the size of this text field is limited to 64 characters.
  - **Record ID Information** - Select from a list of record ID's.
  - **Record ID using Fields** - Identify a field or multiple fields as the record ID.
  - The first radio button "Default" is highlighted by default when the user navigates to this Window.





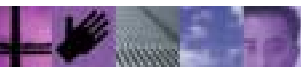
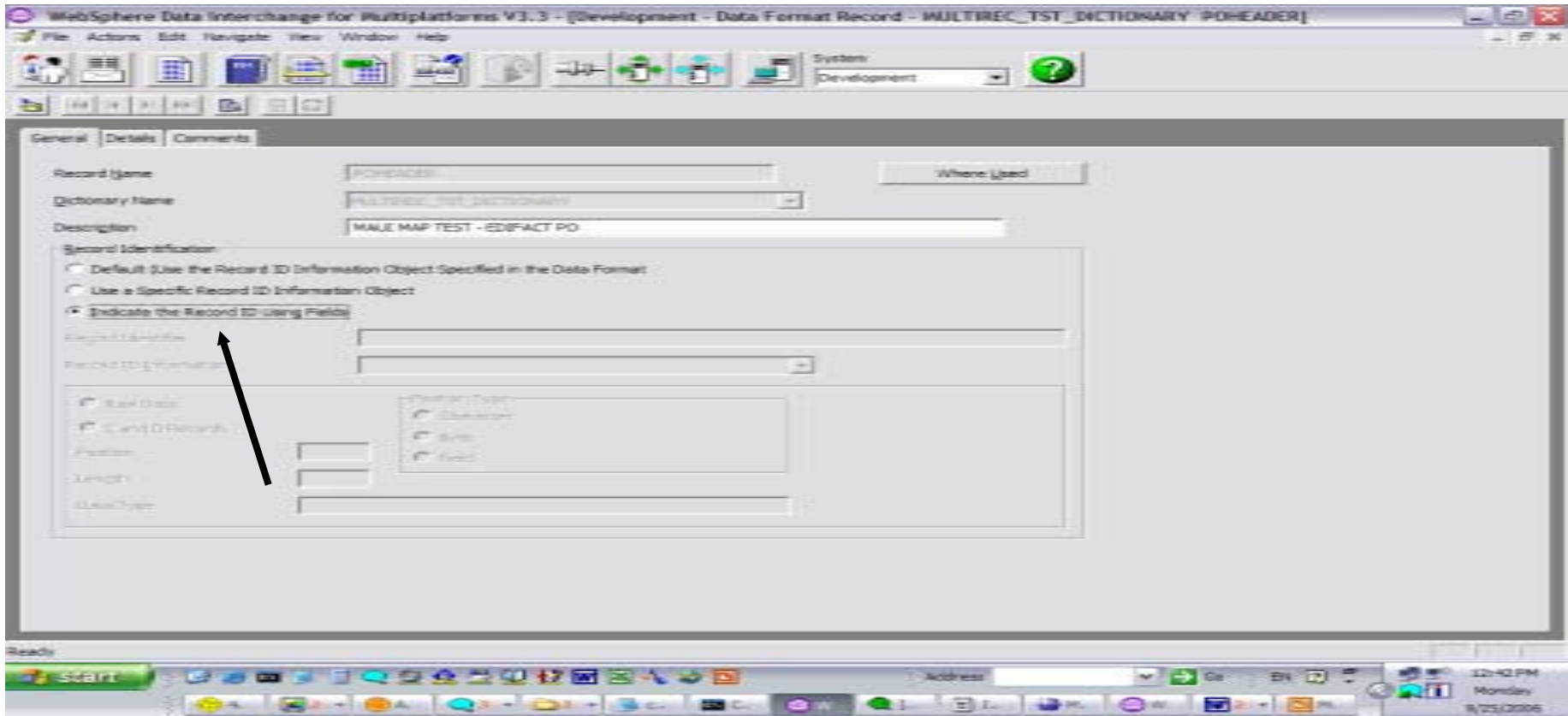
## WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- Application Data Formats – Multiple Record Id Support



# WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- Application Data Formats – Multiple Record Id Support



# WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- Application Data Formats – Multiple Record Id Support

The screenshot displays the WebSphere Data Interchange for Multiplatforms V3.3 interface. The main window shows a table with the following columns: Position, Type, Loop or Record Name, Axis, Maximum Repeat, Unlimited Repeat, Record ID, and Description. The table contains six rows of data. An arrow points to the 'Open Detail...' button above the table.

| Position | Type   | Loop or Record Name | Axis   | Maximum Repeat | Unlimited Repeat | Record ID | Description |
|----------|--------|---------------------|--------|----------------|------------------|-----------|-------------|
| 1        | Record | POHEADER            | Detail | 1              | No               | POHD      | MALE M...   |
| 2        | Loop   | HEADER_LOOP         | Detail |                | Yes              |           |             |
| 3        | Record | PONAMEADDRESS       | Detail |                | Yes              | PONA      |             |
| 4        | Record | PONAMEADDRESSN      | Detail |                | Yes              |           |             |
| 5        | Record | POLNETTEM           | Detail |                | Yes              | POLI      | MALE M...   |
| 6        | Record | POLNETTEMH          | Detail |                | Yes              |           | MALE M...   |

# WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

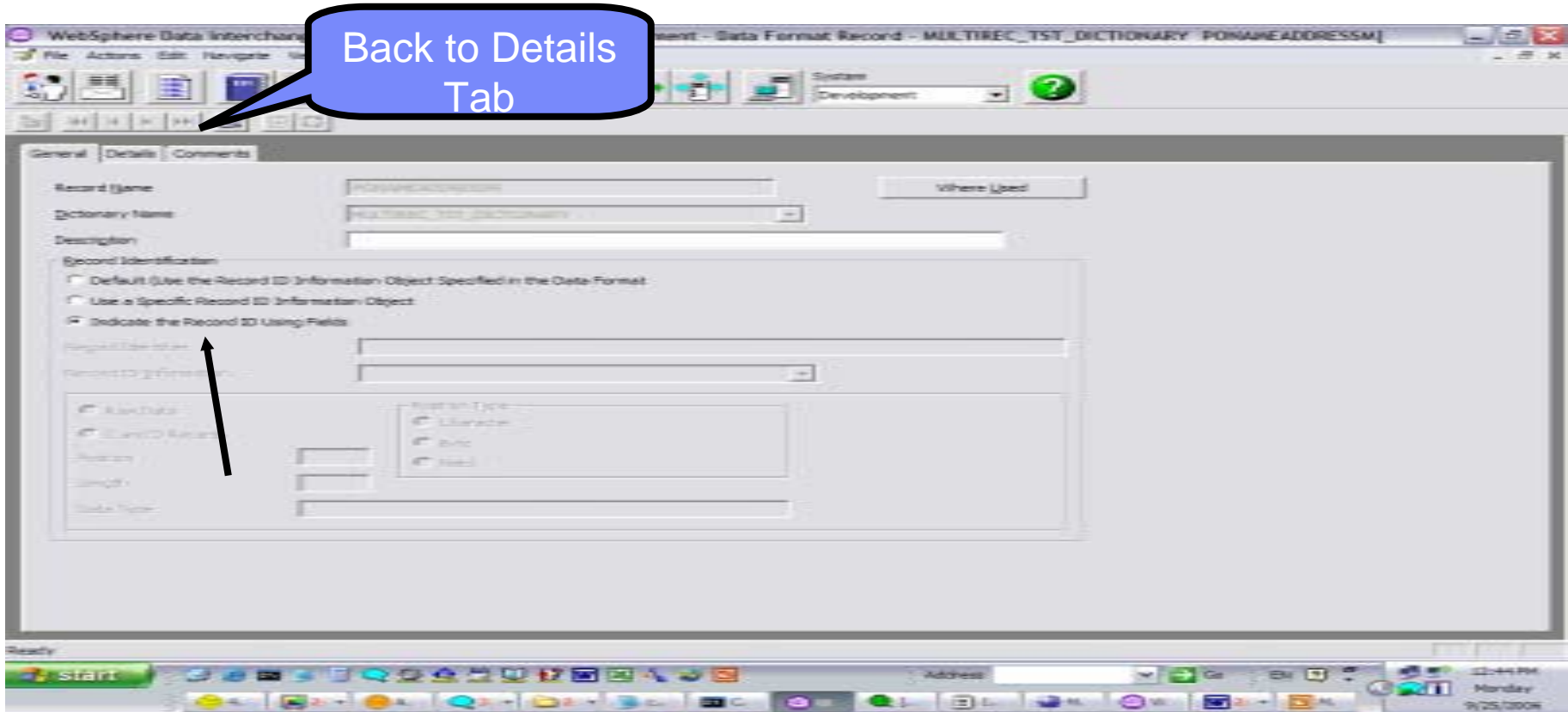
- Application Data Formats – Multiple Record Id Support

The screenshot shows the WebSphere Data Interchange for Multiplatforms V3.3 interface. The main window displays a table of field definitions for a data format record. The table has columns for Position, Type, Structure or Field Name, Occurs, Occurs Depending On, Field Contains Record ID, Record ID, Data Type, Field Length, and Description. A blue callout box points to the 'Record ID' column, highlighting the text 'Multiple Record Ids'. A black arrow points to the 'New...' button in the 'General' tab.

| Position | Type  | Structure or Field Name | Occurs | Occurs Depending On | Field Contains Record ID | Record ID | Data Type  | Field Length | Description  |
|----------|-------|-------------------------|--------|---------------------|--------------------------|-----------|------------|--------------|--------------|
| 1        | Field | POHEADERRECID           | 1      |                     | Yes                      | PONA      | AN = Al... | 4            | MAUI M...    |
| 2        | Field | PONACPTTEST             | 1      |                     |                          |           | AN = Al... | 35           |              |
| 3        | Field | SYNTAXID                | 1      |                     |                          |           | AN = Al... | 4            |              |
| 4        | Field | RECID1                  | 1      |                     | Yes                      | 1         | AN = Al... | 1            | Multiple ... |
| 5        | Field | RECID2                  | 1      |                     | Yes                      | 22        | AN = Al... | 2            | Multiple ... |
| 6        | Field | RECID3                  | 1      |                     | Yes                      | 333       | AN = Al... | 3            | Multiple ... |
| 7        | Field | RECID4                  | 1      |                     | Yes                      | 4444      | AN = Al... | 4            | Multiple ... |
| 8        | Field | RECID5                  | 1      |                     | Yes                      | 55555     | AN = Al... | 5            | Multiple ... |
| 9        | Field | DESCRIPTION             | 1      |                     |                          |           | AN = Al... | 30           | Multiple ... |

## WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- Application Data Formats – Multiple Record Id Support



# WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- Application Data Formats – Multiple Record Id Support

WebSphere Data Interchange for Multiplatforms V3.3 - [Development - Data Format Record - MULTIREC\_TST\_DICTIONARY\_PONAMEADDRESSM]

File Actions Edit Navigate View Window Help

System Development

General Details Comments

New... Open... Delete Open Detail... View Detail...

| Position | Type  | Structure or Field Name | Occurs | Occurs Depending On | Field Contains Record ID | Record ID | Data Type  | Field Length | Description  |
|----------|-------|-------------------------|--------|---------------------|--------------------------|-----------|------------|--------------|--------------|
| 1        | Field | POHEADERRECID           | 1      |                     | Yes                      | PONA      | AN = Al... | 4            | MAUI M...    |
| 2        | Field | PONACPTST               | 1      |                     |                          |           | AN = Al... | 35           |              |
| 3        | Field | SYNTAXID                | 1      |                     |                          |           | AN = Al... | 4            |              |
| 4        | Field | RECID 1                 | 1      |                     | Yes                      | 1         | AN = Al... | 1            | Multiple ... |
| 5        | Field | RECID 2                 | 1      |                     | Yes                      | 22        | AN = Al... | 2            | Multiple ... |
| 6        | Field | RECID 3                 | 1      |                     | Yes                      | 333       | AN = Al... | 3            | Multiple ... |
| 7        | Field | RECID 4                 | 1      |                     | Yes                      | 4444      | AN = Al... | 4            | Multiple ... |
| 8        | Field | RECID 5                 | 1      |                     | Yes                      | 55555     | AN = Al... | 5            | Multiple ... |
| 9        | Field | DESCRIPTION             | 1      |                     |                          |           | AN = Al... | 30           | Multiple ... |

Ready

start

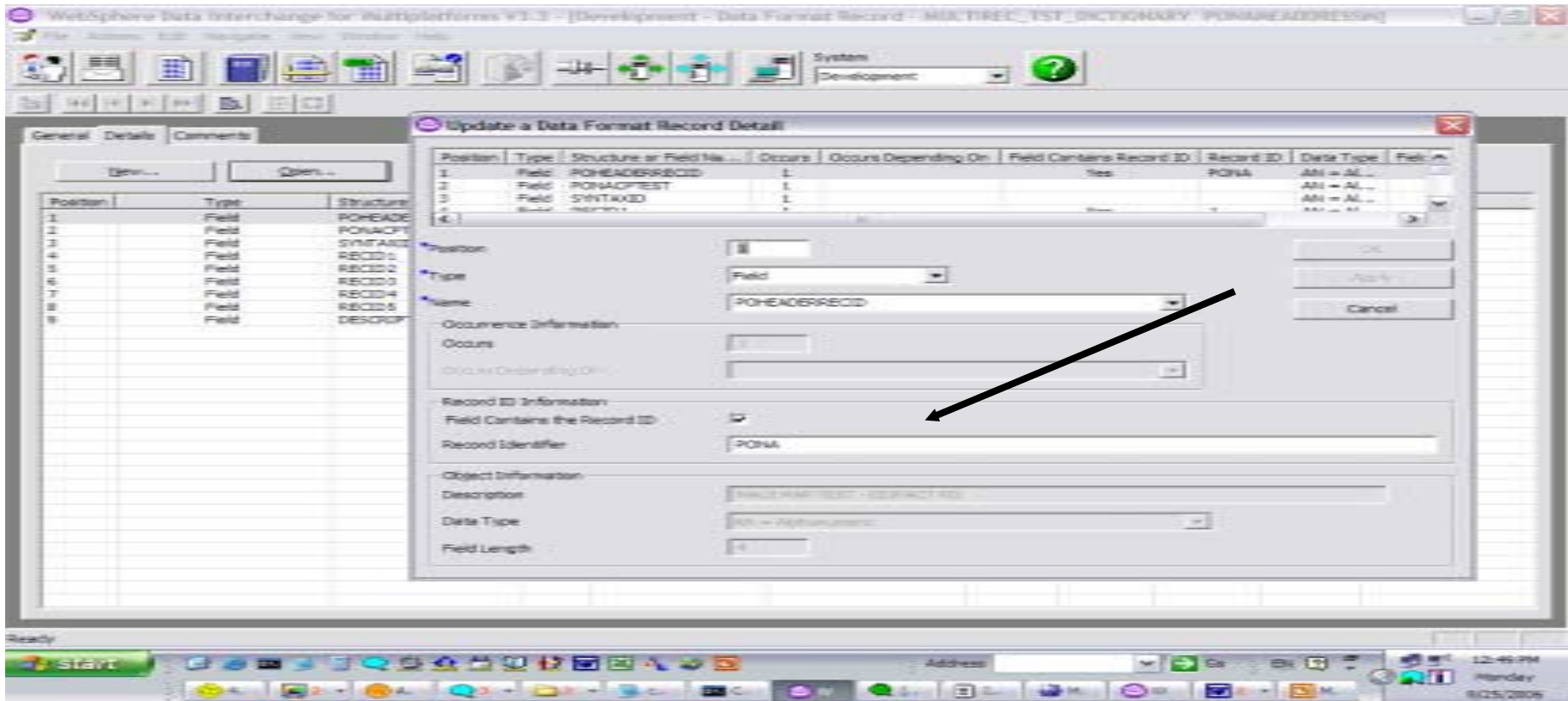
Address

Go EN

12:47 PM  
Monday  
9/25/2006

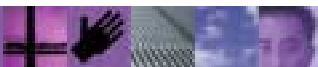
# WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- Application Data Formats – Multiple Record Id Support



## WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- Mapping WDI Client Functional Area:
  - New Map for X12 999 Functional Acknowledgment.
  - New Map for UNTDI Envelope Validation.
  - All WDI Functional Acknowledgment and Validation Maps have been updated.
  - All WDI Functional Acknowledgment and Validation Maps begin with the '&' character.





# WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- Mapping – 999 Functional Acknowledgement Map

WebSphere Data Interchange for Multiplatforms V3.3 - [H177GBL (Mapping) - Query: All]

File Actions New Window Help

System: H177GBL

Global Variables Forward Translation Tables Reverse Translation Tables Code Lists

Data Transformation Maps Validation Maps Functional Acknowledgement Maps Send Maps Receive Maps Control Strings

| Map Name         | Compile Required | Description                                       | Load | Updated Date and Time | Updated User ID | Map Base |
|------------------|------------------|---|------|-----------------------|-----------------|----------|
| BDT_FA997V3R7    | No               | Functional Acknowledgment 997 - 812V3R4           | No   | 9/18/2006 5:09:36 PM  | WBYTERS         | Source   |
| BDT_FACONTROL94E | No               | Functional Acknowledgment CONTROL - 828.1 (D94E)  | No   | 8/21/2006 7:20:43 PM  | PATWANG         | Source   |
| WIDL_TA1_ACK     | No               | WIDL TA1 mapping                                  | No   | 9/18/2006 5:00:50 PM  | WBYTERS         | Source   |
| BDT_FA997V3R4    | Yes              | Functional Acknowledgment 997 - 812V3R4           | No   | 9/5/2006 1:36:50 PM   | WBYTERS         | Source   |
| BDT_FA997V3R5    | Yes              | Functional Acknowledgment 997 - 812V3R5           | No   | 9/5/2006 1:36:50 PM   | WBYTERS         | Source   |
| BDT_FA997V3R7    | Yes              | Functional Acknowledgment 997 - 812V3R7           | No   | 9/5/2006 1:36:50 PM   | WBYTERS         | Source   |
| BDT_FA997V4R2    | Yes              | Functional Acknowledgment 997 - 812V4R2           | No   | 9/5/2006 1:36:50 PM   | WBYTERS         | Source   |
| BDT_FA997V4R6    | Yes              | Functional Acknowledgment 997 - 812V4R6           | No   | 9/5/2006 1:36:50 PM   | WBYTERS         | Source   |
| BDT_FA999V3R3    | Yes              | Functional Acknowledgment 999 - UCSV3R3           | No   | 9/5/2006 1:36:50 PM   | WBYTERS         | Source   |
| BDT_FA999V3R1    | Yes              | Implementation Guide: Syntax Ack 999 - 812V3R1    | No   | 9/5/2006 1:36:50 PM   | WBYTERS         | Source   |
| BDT_FACONTROL    | Yes              | Functional Acknowledgment CONTROL - Prior to D94E | No   | 9/5/2006 1:36:50 PM   | WBYTERS         | Source   |
| BDT_FACONTROL94E | Yes              | Functional Acknowledgment CONTROL - 828.1 (D94E)  | No   | 9/5/2006 1:42:35 PM   | WBYTERS         | Source   |
| BDT_FACONTROL95A | Yes              | Functional Acknowledgment CONTROL - 848.1 (D99A)  | No   | 9/5/2006 1:36:51 PM   | WBYTERS         | Source   |
| WIDL_TA1_ACK     | Yes              | WIDL TA1 mapping                                  | No   | 9/5/2006 1:36:51 PM   | WBYTERS         | Source   |
| EBL_FACONTROL    | No               | DT Functional Acknowledgment CONTROL for EBL      | No   | 9/8/2006 12:05:42 PM  | ROPOPE          | Source   |

Ready

Address:  Go

11:22 AM  
Friday  
9/25/2006



# WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- Mapping - 999 Functional Acknowledgement Map

The screenshot shows the WebSphere Data Interchange for Multipplatforms V3.3 interface. The main window is titled "WebSphere Data Interchange for Multipplatforms V3.3 - [H177G2L - Functional Acknowledgement Map - EDT\_FA999V5R1]".

The interface is divided into several panes:

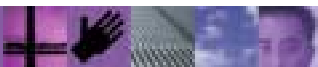
- Source:** Data Format (BPLINC\_ACK\_METADATA\_DICTONARY/BPLINC\_ACK\_META\_INTERCHANGE\_RESPONSE [Interchange Response Record]).
- Target:** EDI Standard Transaction (ADT69851999).
- Table 1:** A table defining the mapping between source and target elements.
 

| Source Element                                     | Target Element  |
|--|---|
| GROUP_RESPONSE [Group Response Record]             | 308 M AK3 [Functional Group Response Header]                |
| MSGREC_LOOP [Message Response Loop]                | 308 O AK2 Loop [Transaction Set Response Header]            |
| MESSAGE_RESPONSE [Message Response Record]         | 380 O AK2 [Transaction Set Response Header]                 |
| SEGREC_LOOP [Data Segment Note Loop]               | 480 O BK3 Loop [Implementation Data Segment Note]           |
| DATA_SEGMENT_RECORD [Data Segment Note Record]     | 408 O DK3 [Implementation Data Segment Note]                |
| SEG_CONTEXT_RECORD [Segment Context Record]        | 508 O CTX [Context]   |
| RECORD_ID [Raw Data Record Identification]         | 608 O DK4 Loop [Implementation Data Element Note]           |
| TEXT [Context Text]                                | 800 M BK3 [Implementation Transaction Set Response Trailer] |
| REFERENCE [Context Reference]                      | 908 M AK3 [Functional Group Response Trailer]               |
| ELEREC_LOOP [Data Element Note Loop]               |   |
| MESSAGE_RESPONSE_TRAILER [Message Response Record] |   |
- Mapping View:** A detailed view of the mapping for the "SEG\_CONTEXT\_RECORD" element. It shows a "MapTo" rule: "MapTo (Table 1:308 O AK2 Loop/408 O DK3 Loop/508 O CTX)".
- Global Variable Table:** A table listing global variables used in the mapping.
 

| Global Variable     | Scope | Speed        |
|---------------------|-------|--------------|
| #@                  | Ses.  |              |
| ACT_MSGSEGNO        | Int.  | GrpError     |
| application         | Ses.  | GrpLevelOnly |
| ApplicationSenderId | Int.  | Do...        |
| ASPL30_DEST         | Ses.  | Loop         |
| Binary_HOST         | Ses.  | Do...        |
| BinaryHost          | Ses.  |              |
| EDMAR_HOST          | Ses.  |              |
| Boolean             | Ses.  |              |
| Boolean_HOST        | Ses.  |              |
| Boolean_HOST        | Ses.  |              |
| booleanHost         | Ses.  |              |
| BOOLEAN_HOST        | Ses.  |              |

## WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- Mapping WDI Client Functional Area:
  - Code List Tab added.
  - New Mapping commands for Validation Maps to support the X12 999 Functional Acknowledgment.
  - New Attributes for the SetElementAttribute() command



# WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- Mapping WDI Client Functional Area:

The screenshot shows the 'Code Lists' tab in the WebSphere Data Interchange for Multiplatforms V3.3 application. The table contains the following data:

| Code List Name | Description                         | Lock | Updated Date and Time | Updated User ID |
|----------------|-------------------------------------|------|-----------------------|-----------------|
| 00E1_ED01      | Syntax identifier                   | Yes  | 9/25/2006 13:30:10... | admin           |
| 00E7_ED01      | Identification qualifier            | Yes  | 9/25/2006 13:30:10... | admin           |
| 00E7D984       | Identification qualifier            | Yes  | 11/02/2002 12:00:0... | admin           |
| 0013D984       | Segment tag                         | Yes  | 11/02/2002 12:00:0... | admin           |
| 0025_ED01      | Recipient's reference/password qual | Yes  | 9/25/2006 13:30:10... | admin           |
| 0029_ED01      | Processing priority code            | Yes  | 9/25/2006 13:30:10... | admin           |
| 0031_ED01      | Acknowledgement request             | Yes  | 9/25/2006 13:30:10... | admin           |
| 0035_ED01      | Test indicator                      | Yes  | 9/25/2006 13:30:11... | admin           |
| 0051_ED01      | Controlling agency                  | Yes  | 9/25/2006 13:30:11... | admin           |
| 0053D984       | Controlling agency                  | Yes  | 11/02/2002 12:00:0... | admin           |
| 0053_ED01      | Message type version number         | Yes  | 9/25/2006 13:30:11... | admin           |
| 0053D984       | Message type version number         | Yes  | 11/02/2002 12:00:0... | admin           |
| 0054_ED01      | Message type release number         | Yes  | 9/25/2006 13:30:11... | admin           |
| 0054D984       | Message type release number         | Yes  | 11/02/2002 12:00:0... | admin           |
| 0065_ED01      | Message type identifier             | Yes  | 9/25/2006 13:30:11... | admin           |
| 0065D984       | Message type identifier             | Yes  | 11/02/2002 12:00:0... | admin           |
| 0073_ED01      | First/last sequence message transfe | Yes  | 9/25/2006 13:30:11... | admin           |
| 0083D984       | Action, coded                       | Yes  | 11/02/2002 12:00:0... | admin           |
| 00E3D984       | Error type, coded                   | Yes  | 11/02/2002 12:00:0... | admin           |
| 0113_ED01      | Message type sub-function ID        | Yes  | 9/25/2006 13:30:11... | admin           |
| 0113D984       | Character encoding, coded           | Yes  | 9/25/2006 13:30:11... | admin           |
| 10E1D984       | Document/message name, coded        | Yes  | 2/6/2006 9:29:33 AM   | admin           |
| 10E2D984       | Car Hire Detail/Summary Code        | Yes  | 11/02/2002 12:00:0... | admin           |
| 10E4D984       | Percent Qualifier                   | Yes  | 2/6/2006 9:26:23 AM   | admin           |
| 10E5D984       | Hierarchical Structure Code         | Yes  | 11/02/2002 12:00:0... | admin           |
| 10E6D984       | Account Description Code            | Yes  | 11/02/2002 12:00:0... | admin           |
| 10E7D984       | Rate Source                         | Yes  | 11/02/2002 12:00:0... | admin           |
| 10E8D984       | Case Type Code                      | Yes  | 11/02/2002 12:00:0... | admin           |
| 10E9D984       | Administration of Justice Organizat | Yes  | 11/02/2002 12:00:0... | admin           |
| 1012D984       | Administration of Justice Event Typ | Yes  | 11/02/2002 12:00:0... | admin           |
| 1013D984       | Notice Type Code                    | Yes  | 11/02/2002 12:00:0... | admin           |
| 1015D984       | Message Settlement Code             | Yes  | 11/02/2002 12:00:0... | admin           |
| 1016D984       | Penalty Code                        | Yes  | 11/02/2002 12:00:0... | admin           |



# WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- Mapping – New Validation mapping commands

The screenshot displays the WebSphere Data Interchange for Multiplatforms V3.3 interface. The main window shows a validation map configuration for 'FATEST271'. The left pane shows a tree view with 'Table 1' and 'Table 2' expanded. The main text area contains the following definitions:

```

FAErrorPath (1, 5001, '8', 'BHT - TEST FAErrorPath Command and 11 Error Context', 'S', \Table 1\20 M B...
ErrorContext("Context 1", Reference 1)
ErrorContext("Context 2", Reference 1)
ErrorContext("Context 3", Reference 1)
ErrorContext("Context 4", Reference 1)
ErrorContext("Context 5", Reference 1)
ErrorContext("Context 6", Reference 1)
ErrorContext("Context 7", Reference 1)
ErrorContext("Context 8", Reference 1)
ErrorContext("Context 9", Reference 1)
ErrorContext("Context 10", Reference 1)
ErrorContext("Context 11", Reference 1)
FAErrorPath (1, 5001, '8', 'BHT01 - TEST FAErrorPath Command and 11 Error Context', 'E', \Table 1\20 M...
ErrorContext("Context 1", Reference 2)
ErrorContext("Context 2", Reference 2)
ErrorContext("Context 3", Reference 2)
ErrorContext("Context 4", Reference 2)
ErrorContext("Context 5", Reference 2)
ErrorContext("Context 6", Reference 2)
ErrorContext("Context 7", Reference 2)
ErrorContext("Context 8", Reference 2)
ErrorContext("Context 9", Reference 2)
ErrorContext("Context 10", Reference 2)
ErrorContext("Context 11", Reference 2)
FAErrorPath (1, 5001, '8', 'HL - TEST FAErrorPath Segment Level with E specified', 'E', \Table 2\10 M HL...
FAErrorPath (1, 5001, '8', 'HL01 - TEST FAErrorPath Element Level with S specified', 'S', \Table 2\10 M HL...
    
```

Two black arrows point to the lines:
   
1. One arrow points to the line: `ErrorContext("Context 11", Reference 1)`
  
2. Another arrow points to the line: `ErrorContext("Context 5", Reference 2)`

The right-hand pane contains three tables:

| Global Variable Name | Scope  | Data Type |
|----------------------|--------|-----------|
| OverrideTCN          | Ses... | Integer   |
| G0                   | Ses... | Integer   |
| SNIPTYPE5            | Group  | Character |

| Local Variable Name | Scope | Data Type |
|---------------------|-------|-----------|
| traceit             | Loop  | Character |
| HL04Value           | Do... | Character |
| Element             | Do... | Character |
| Situational         | Do... | Character |
| Separator           | Do... | Character |
| Segment             | Do... | Character |
| ParseDate           | Do... | Character |
| ValidDate           | Do... | Character |
| Element1            | Do... | Character |
| ParseDate1          | Do... | Character |

| Special Variable Name | Scope | Data Type |
|-----------------------|-------|-----------|
| DIOutType             | Do... | Character |
| DIOutFile             | Do... | Character |
| DICUserData           | Do... | Character |

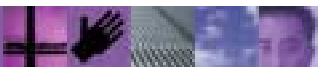
# WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- Mapping – New Validation mapping commands
  - FAErrorPath (real level, real code, char facode, char text, char errType, path SourcePath)
    - The Data Transformation Component will create the FAError at the AMM position using the Source Path identified. If the Source Path is not found, the DTC will default to the current position.
  - ErrorContext (char Text, char Reference)
    - The ErrorContext information will be associated with the previous FAError as a child of FAError which is a child of the AMM node. This indicates the user wants an ErrorContext associated with an FAError reported at the segment level, the ErrorContext must follow the FAError reported at the segment level. Up to 10 ErrorContext may be attached to the FAError.



## WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- Mapping - SetElementAttribute()
  - The SetElementAttribute() command is used to provide some control of the automatic formatting of elements that occurs when the element is output. Automatic formatting of values occurs when elements are written to a target document.
  - For example, leading and trailing zeros will be removed from EDI numeric Data Elements when they are output. If the value is zero and the Data Element is optional, the value is suppressed in the EDI output.
  - With the SetElementAttribute() mapping command you can control certain types of formatting when a simple element is output, such as how zeros and empty elements are handled when the element is written to the target document.
  - The SetElementAttribute() command does not affect the values of simple elements during translation itself. It only affects the formatting of elements when they are written to the output document.



# WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

## ■ Mapping – SetElementAttribute()

The screenshot displays the WebSphere Data Interchange for Multiplatforms V3.3 interface. The main window shows a mapping configuration with the following details:

- Source:** Data Format\TSTEST\_E\_DICTIONARY\DTTESTEPO1
  - POHEADER [MAUI MAP TEST - EDIFACT PO]
  - PONAMEADDRESS
  - POLINEITEM [MAUI MAP TEST - EDIFACT PO]
- Target:** EDI Standard Transaction\ME901EIO\ORDERS
  - Table 1

The **Mapping Command Editor** is open, showing the command: `SetElementAttribute (targetPath, attr`. A context menu is displayed over the editor, listing various options:

- Values
  - "CharValueTooShort"
  - "NumValueTooShort"
  - "SuppressEmptyElements"
  - "SuppressZeroValues"
  - "TrimLeadingBlanks"
  - "TrimLeadingZeros"
  - "TrimTrailingBlanks"
  - "TrimTrailingZeros"
- Functions
- Operators
- Delimiters
- Undo
- Cut
- Copy
- Paste
- Delete
- Select All

The interface also shows the system tray with the date and time: Monday, 9/25/2006, 2:00 PM.



# Summary

- WDI 3.3 Standards have Syntax Note Tab.
- WDI 3.3 XML is using a new version for the XML Tool Kit.
- WDI 3.3 Mapping has new mapping commands.
- WDI 3.3 Contains support for the X12 999.
- WDI 3.3 Contains support for the UNTDI Envelope Service Segment Validation.
- WDI 3.3 Contains Data Format Multiple Record Id support.

