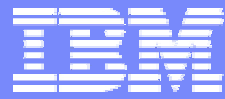
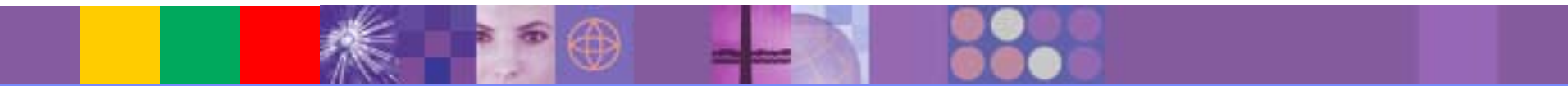


IBM Software Group

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

WebSphere. software



ON DEMAND BUSINESS

© IBM Corporation

Objectives

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

© IBM Corporation

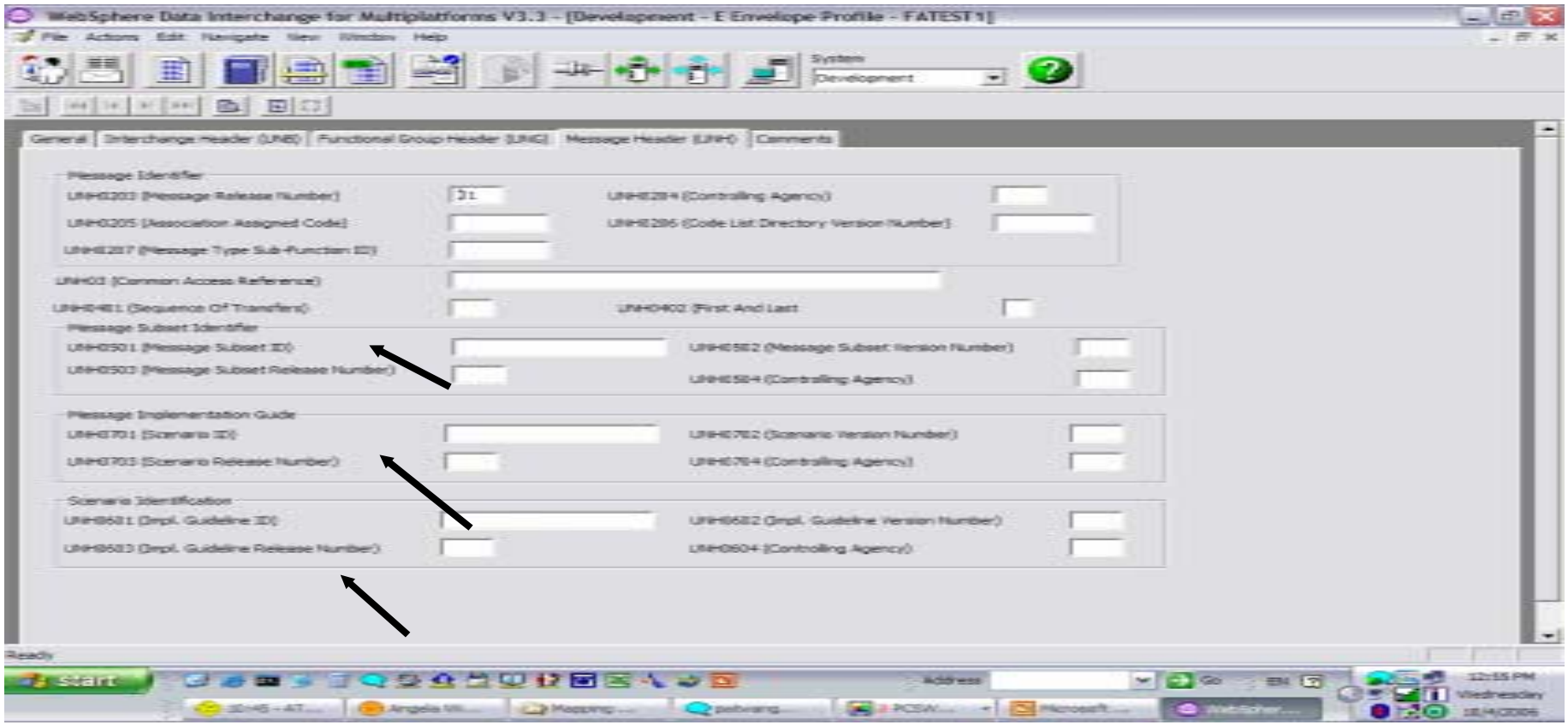
WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- 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.

© IBM Corporation

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

- Standards – Envelope Profile Fields



© IBM Corporation

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.

© IBM Corporation

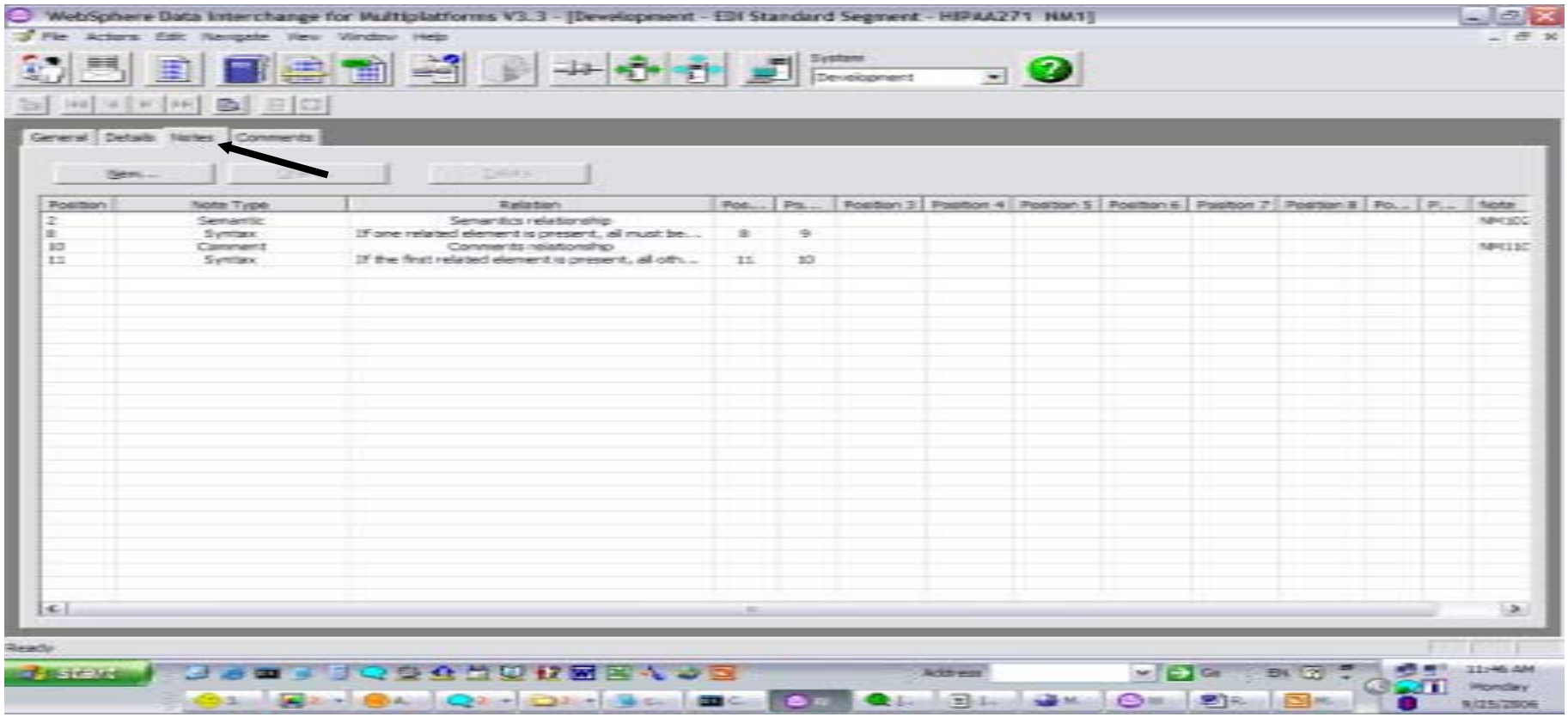
WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- 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.*

© IBM Corporation

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

- Standards WDI Client Functional Area:



© IBM Corporation

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.*

© IBM Corporation

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.*

© IBM Corporation

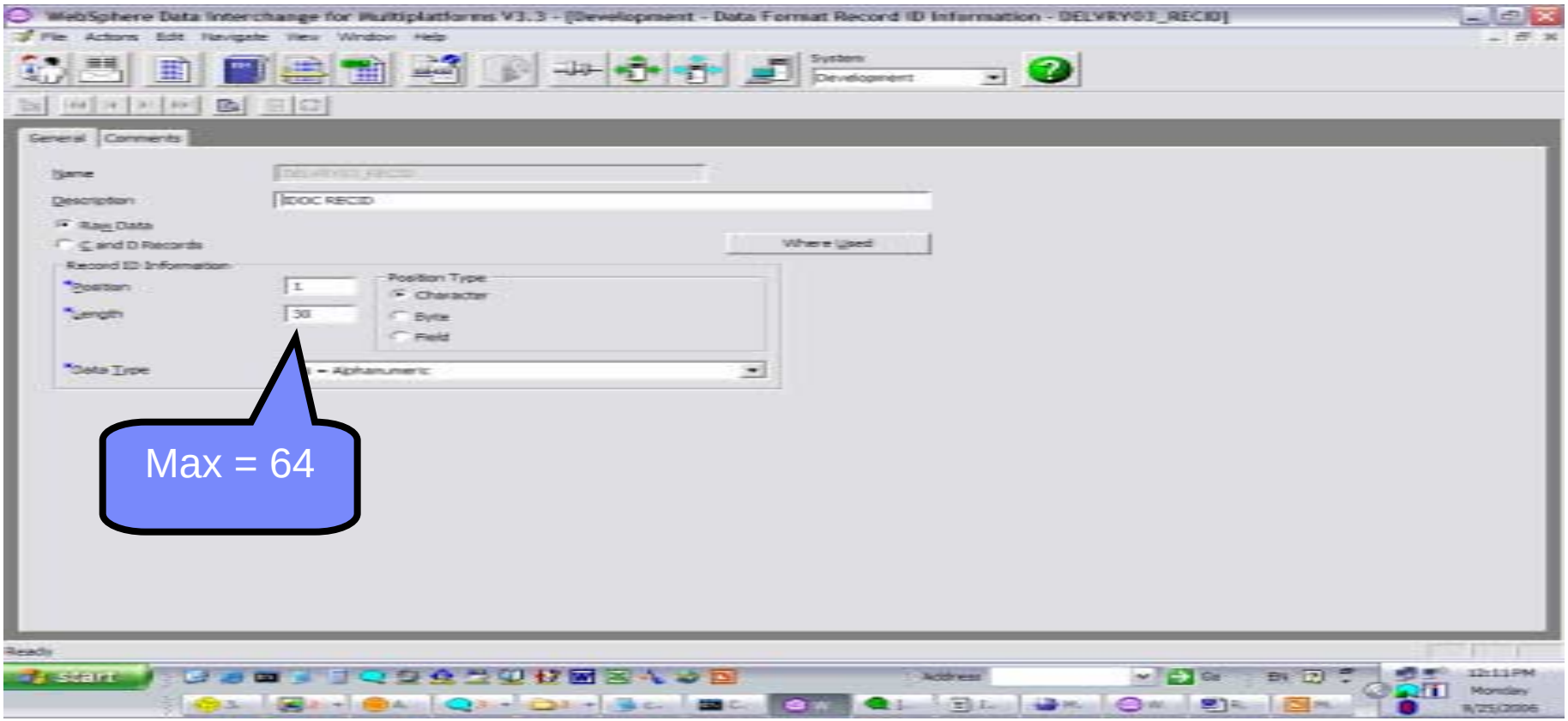
WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- 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.

© IBM Corporation

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

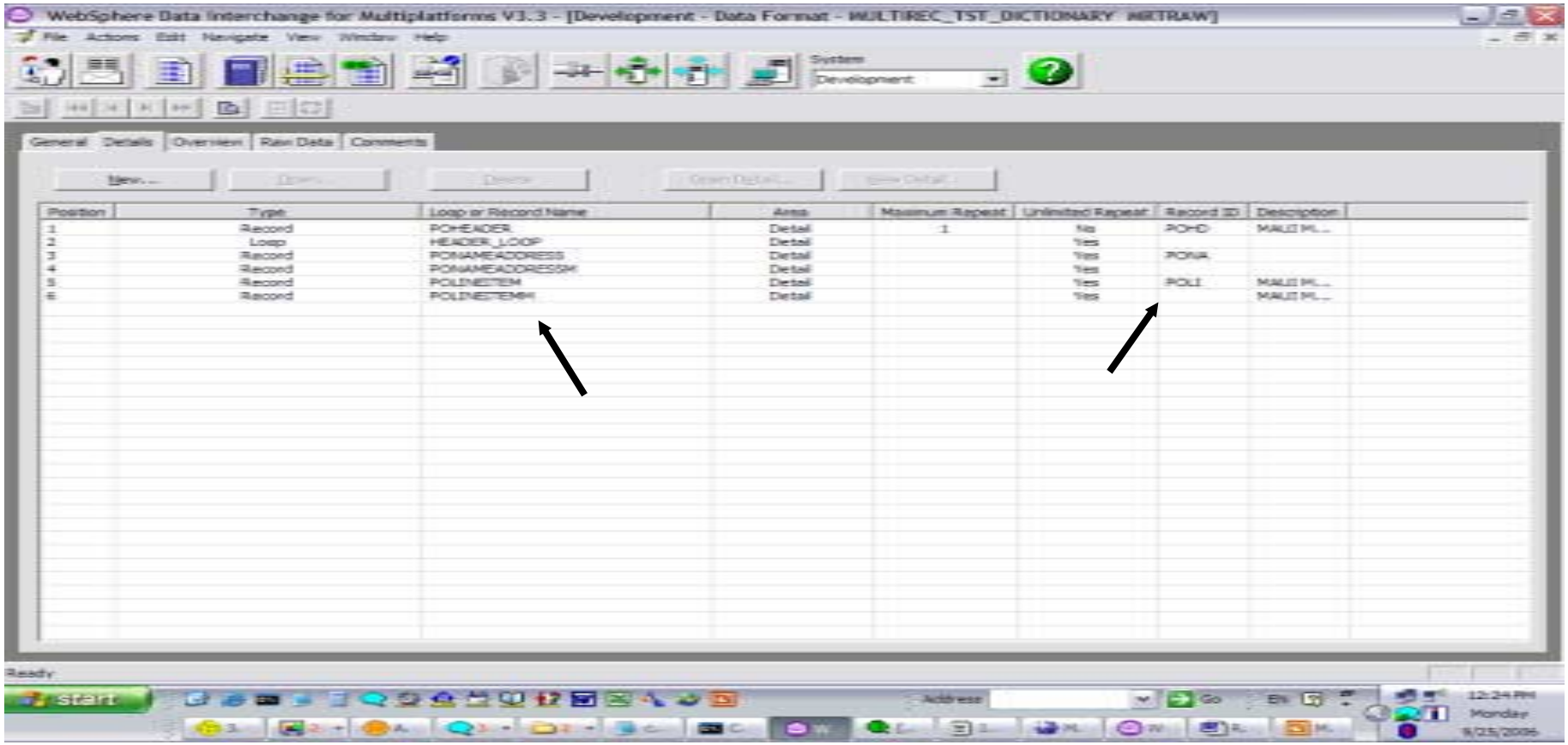
- Application Data Formats – Record Id Information



© IBM Corporation

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

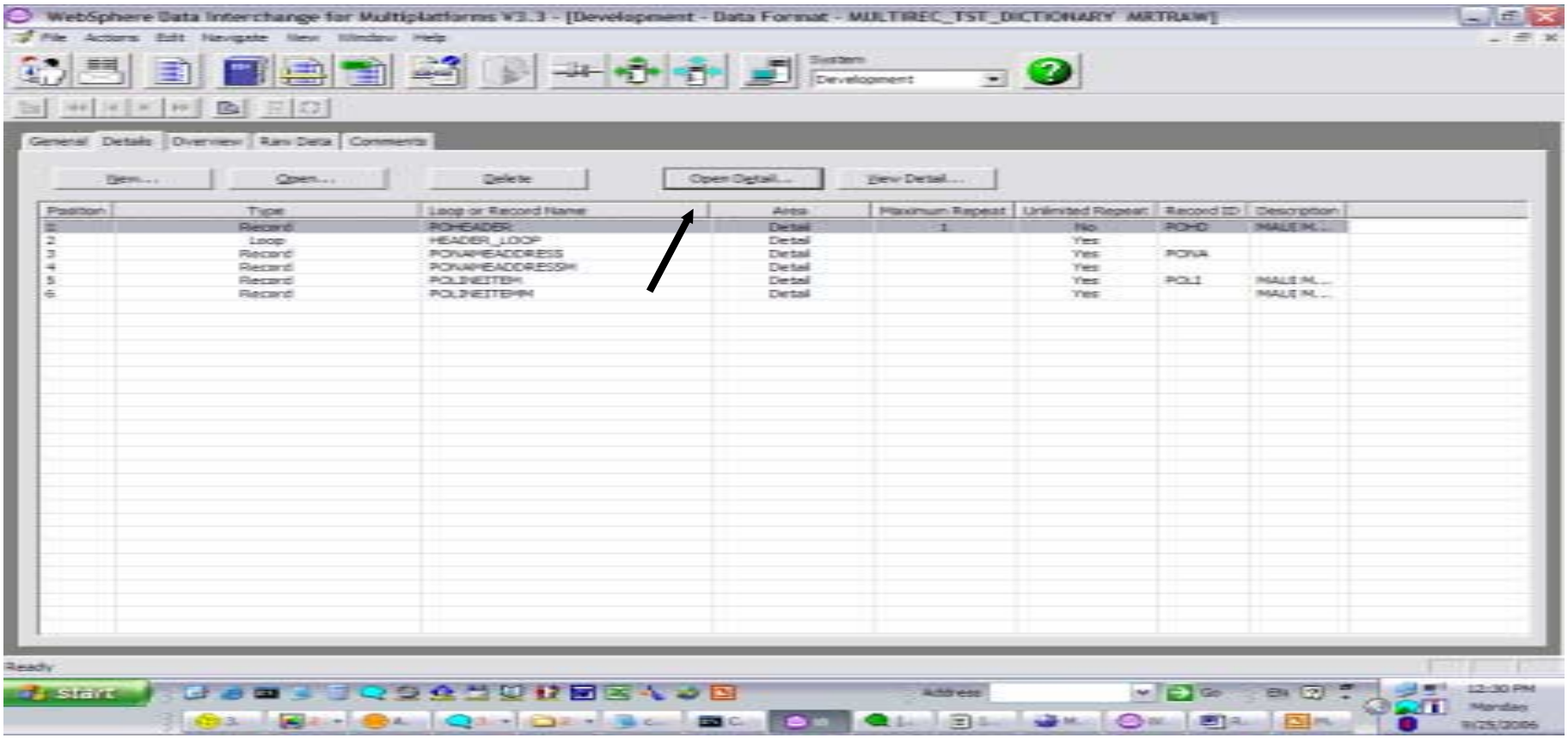
- Application Data Formats – Multiple Record Id Support



© IBM Corporation

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

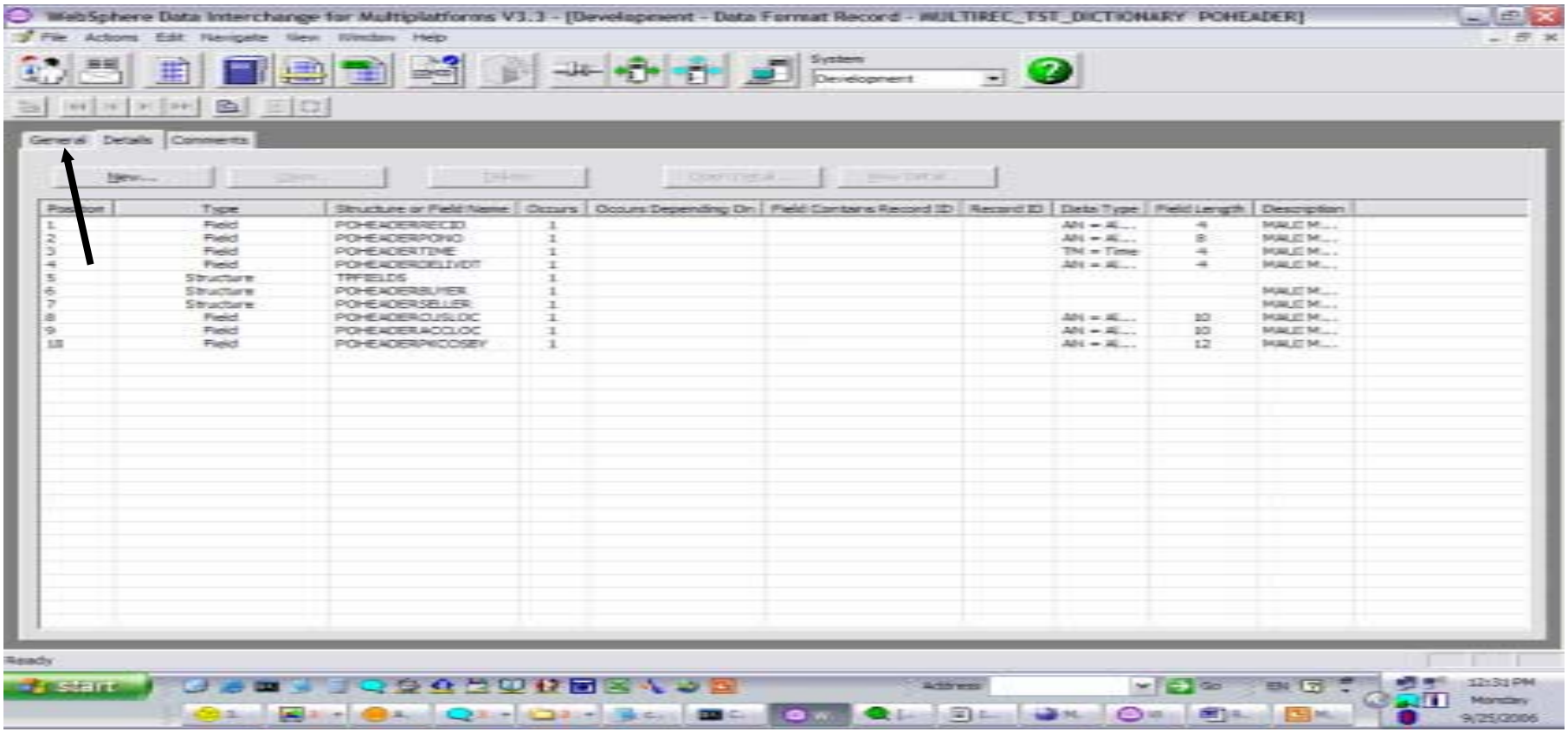
- Application Data Formats – Multiple Record Id Support



© IBM Corporation

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

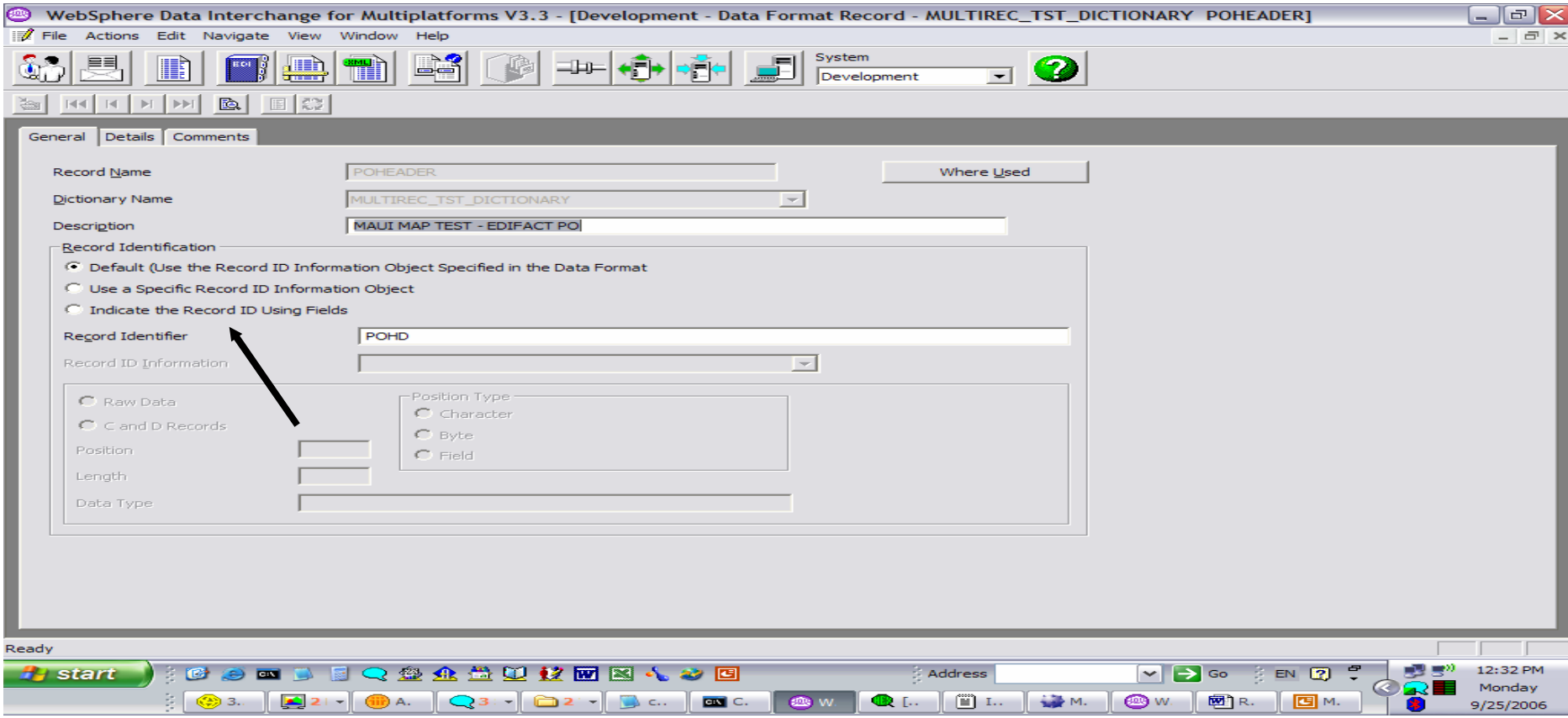
- Application Data Formats – Multiple Record Id Support



© IBM Corporation

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

- Application Data Formats – Multiple Record Id Support



© IBM Corporation

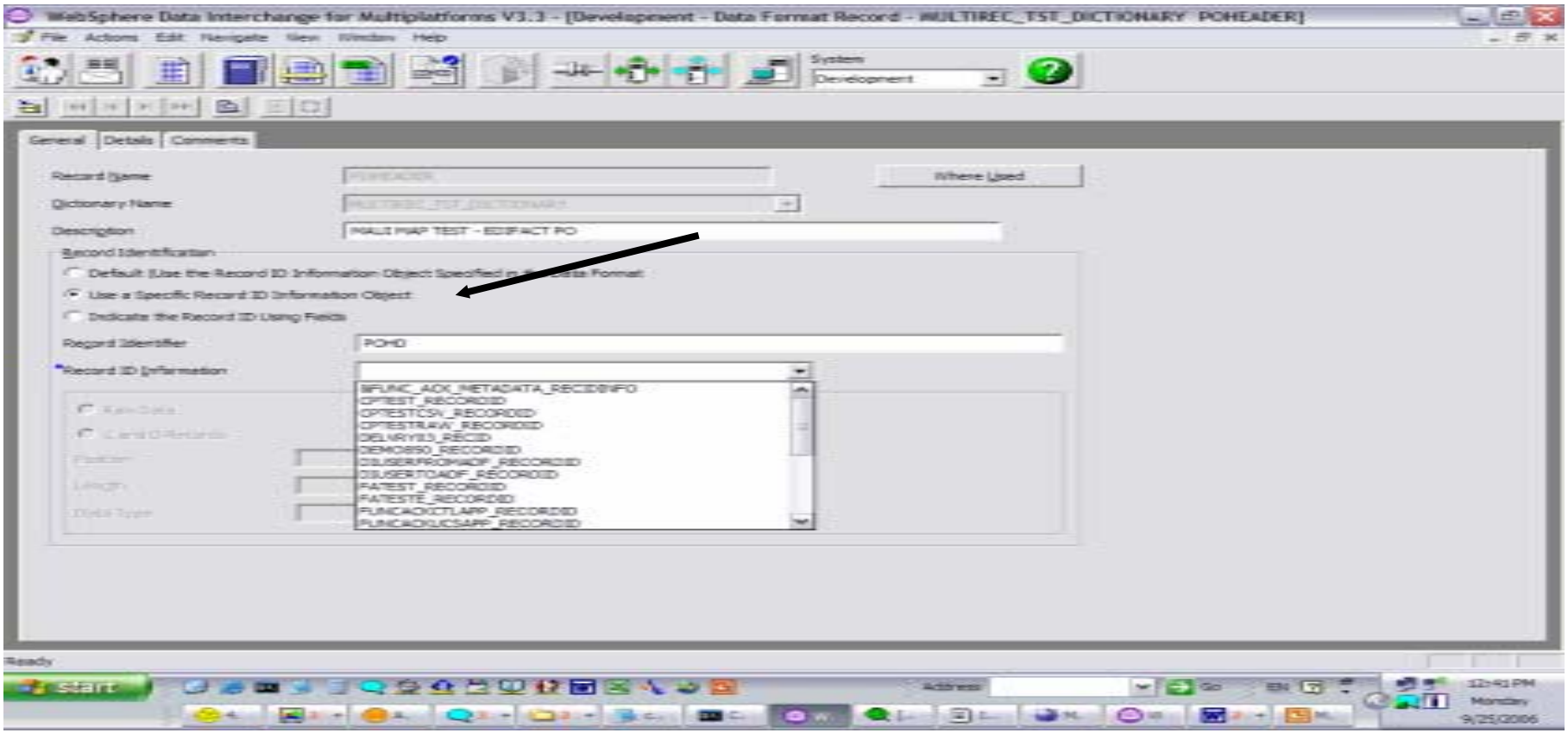
WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- 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.

© IBM Corporation

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

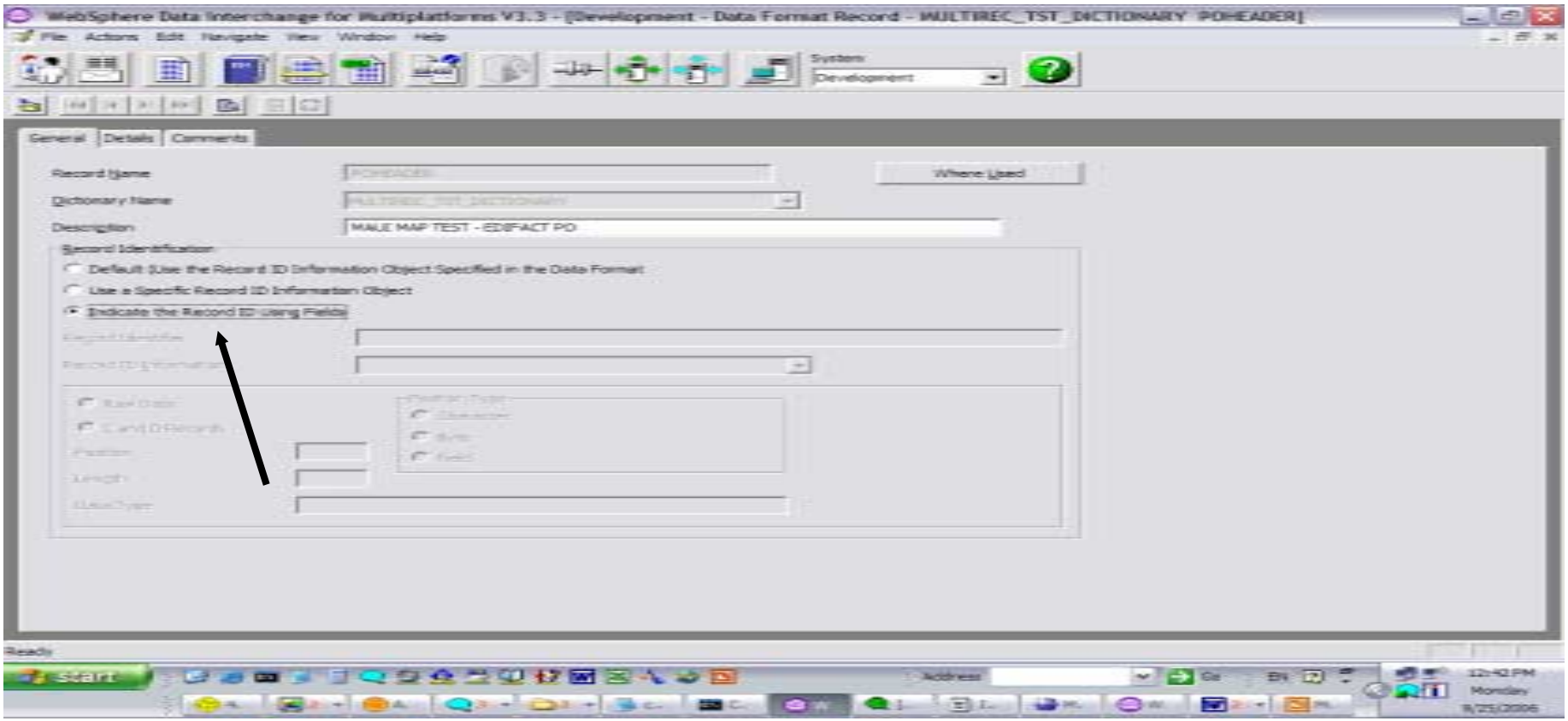
- Application Data Formats – Multiple Record Id Support



© IBM Corporation

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

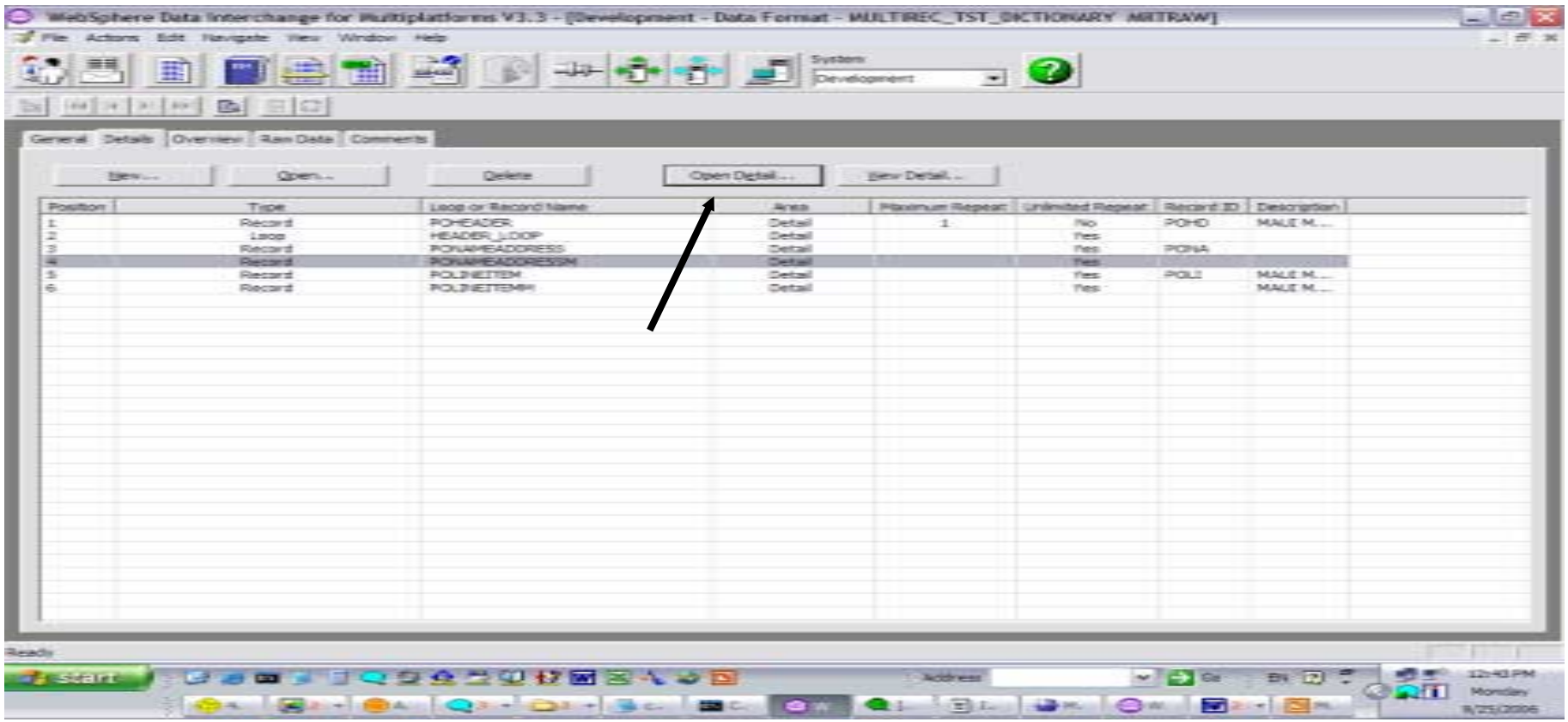
- Application Data Formats – Multiple Record Id Support



© IBM Corporation

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

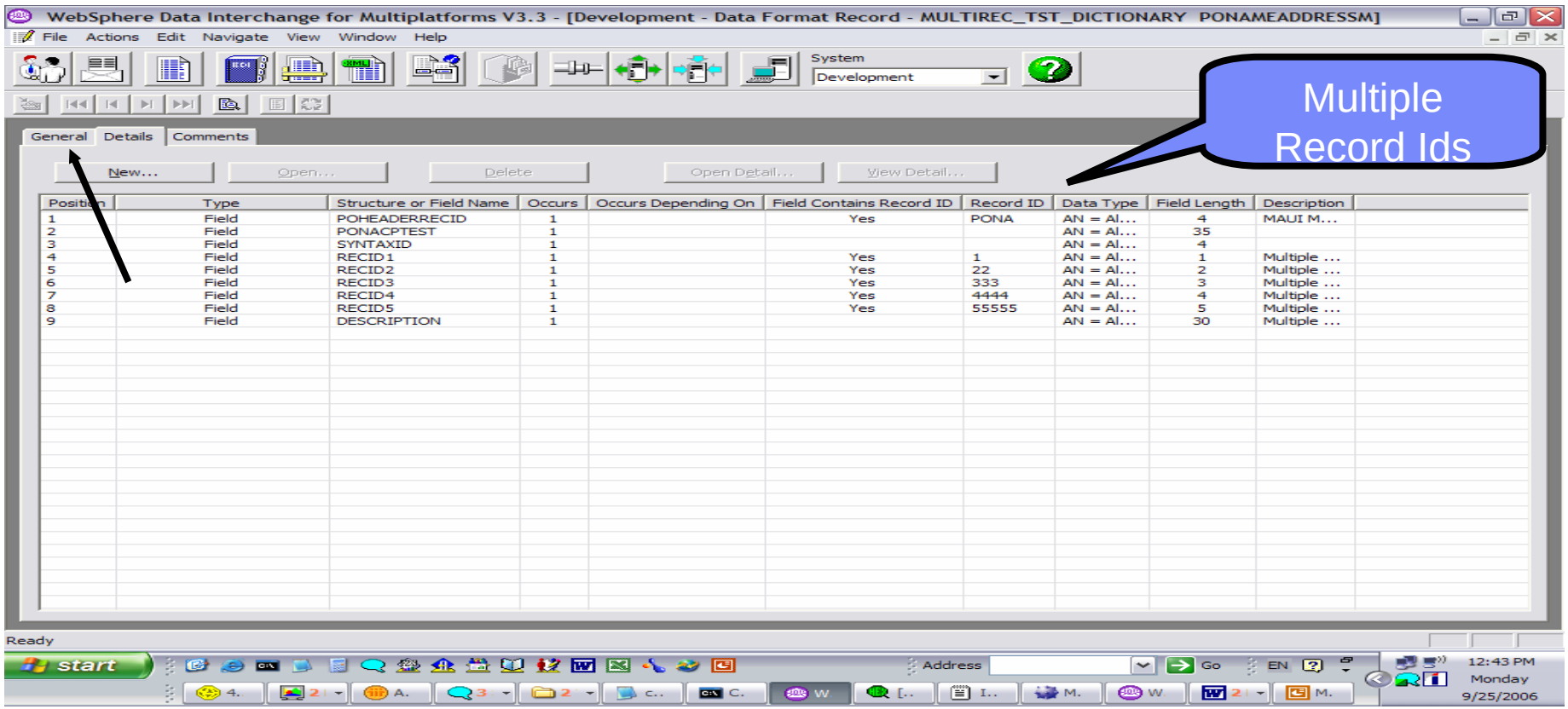
- Application Data Formats – Multiple Record Id Support



© IBM Corporation

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

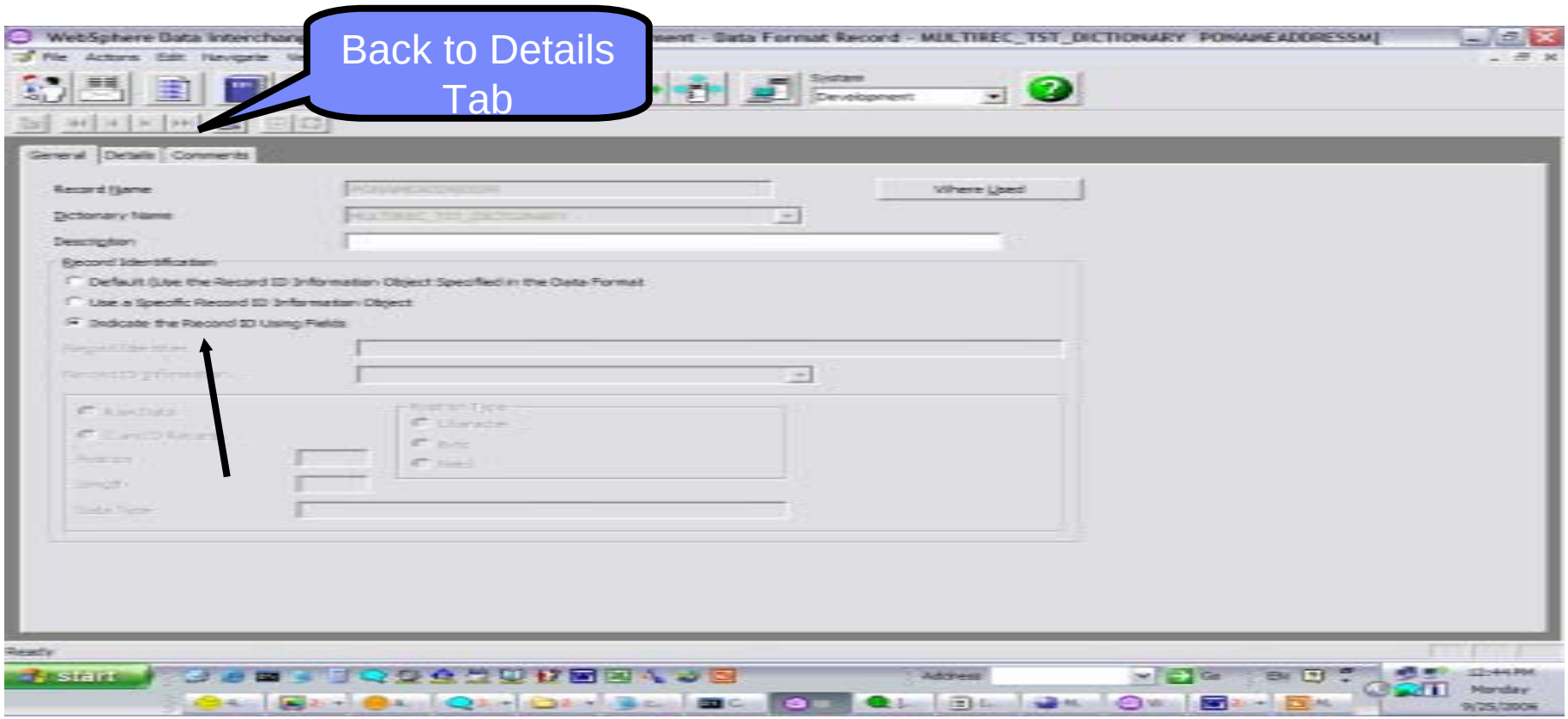
- Application Data Formats – Multiple Record Id Support



© IBM Corporation

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

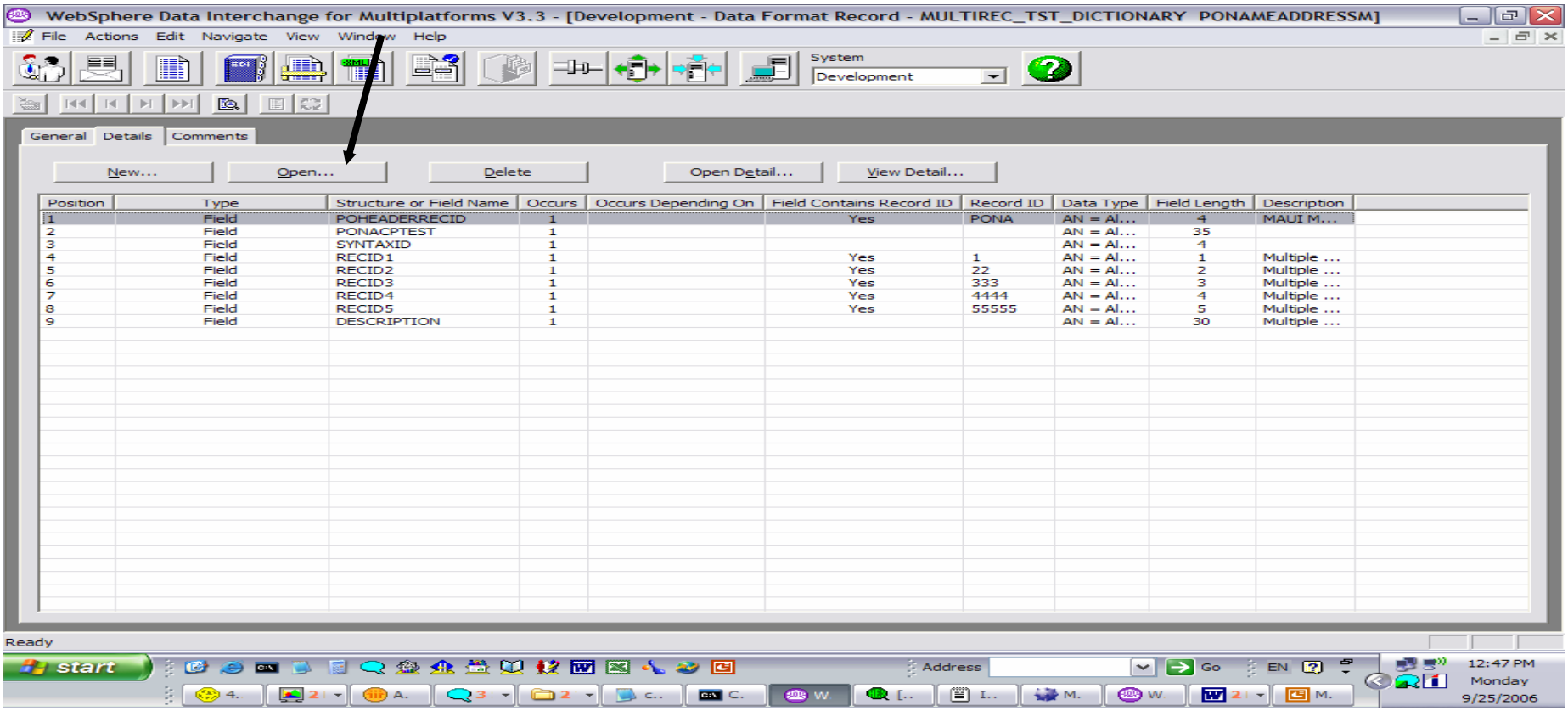
- Application Data Formats – Multiple Record Id Support



© IBM Corporation

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

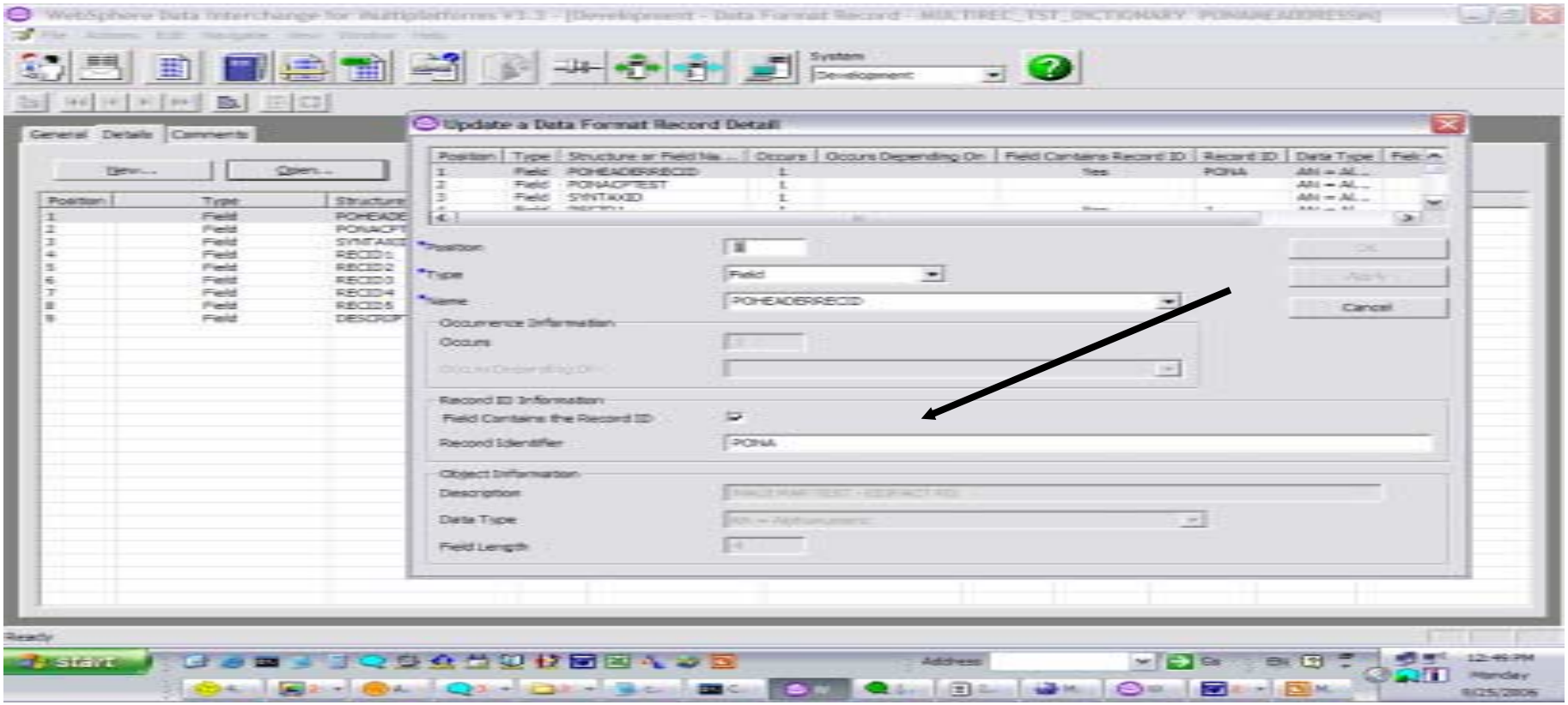
- Application Data Formats – Multiple Record Id Support



© IBM Corporation

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

- Application Data Formats – Multiple Record Id Support



© IBM Corporation

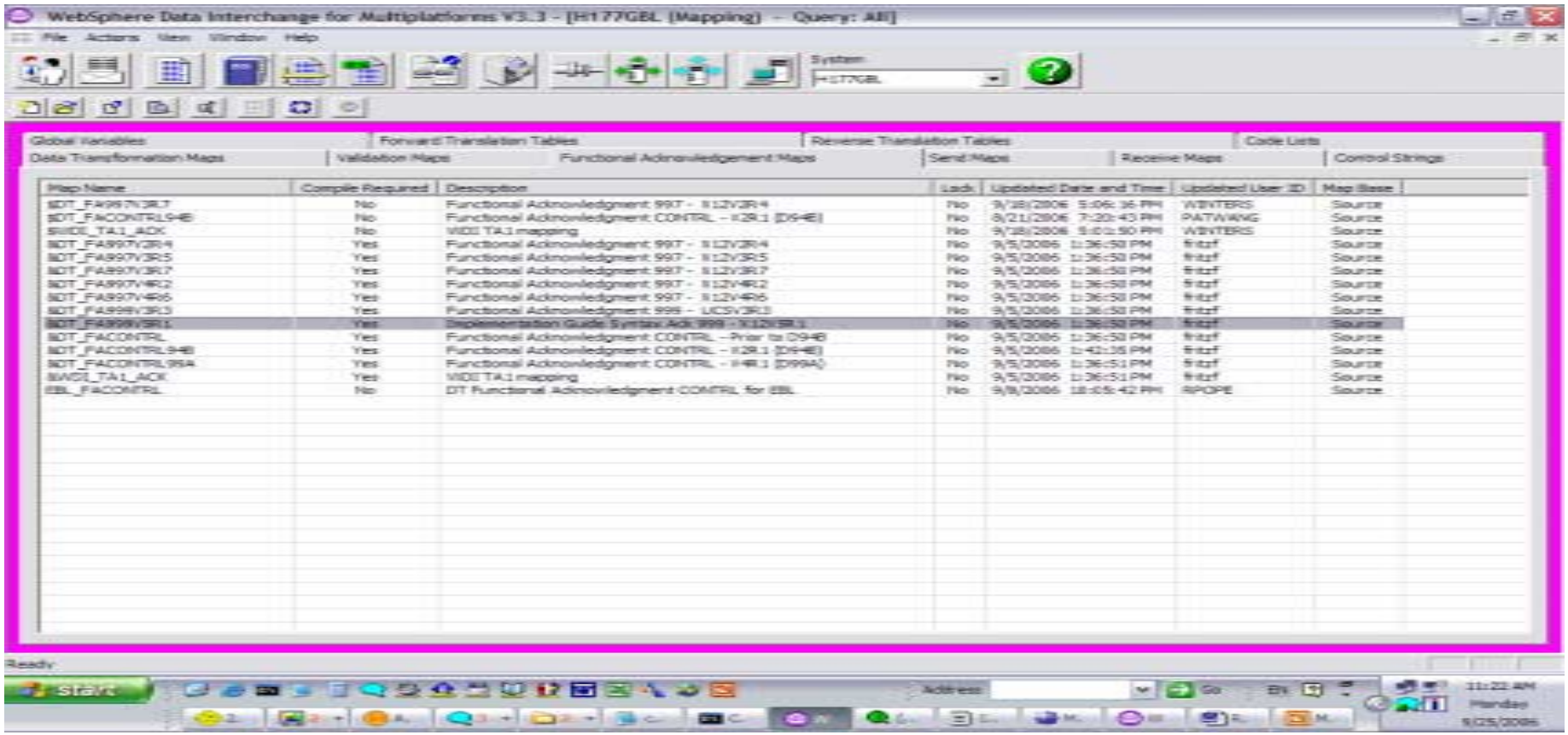
WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- 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.

© IBM Corporation

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

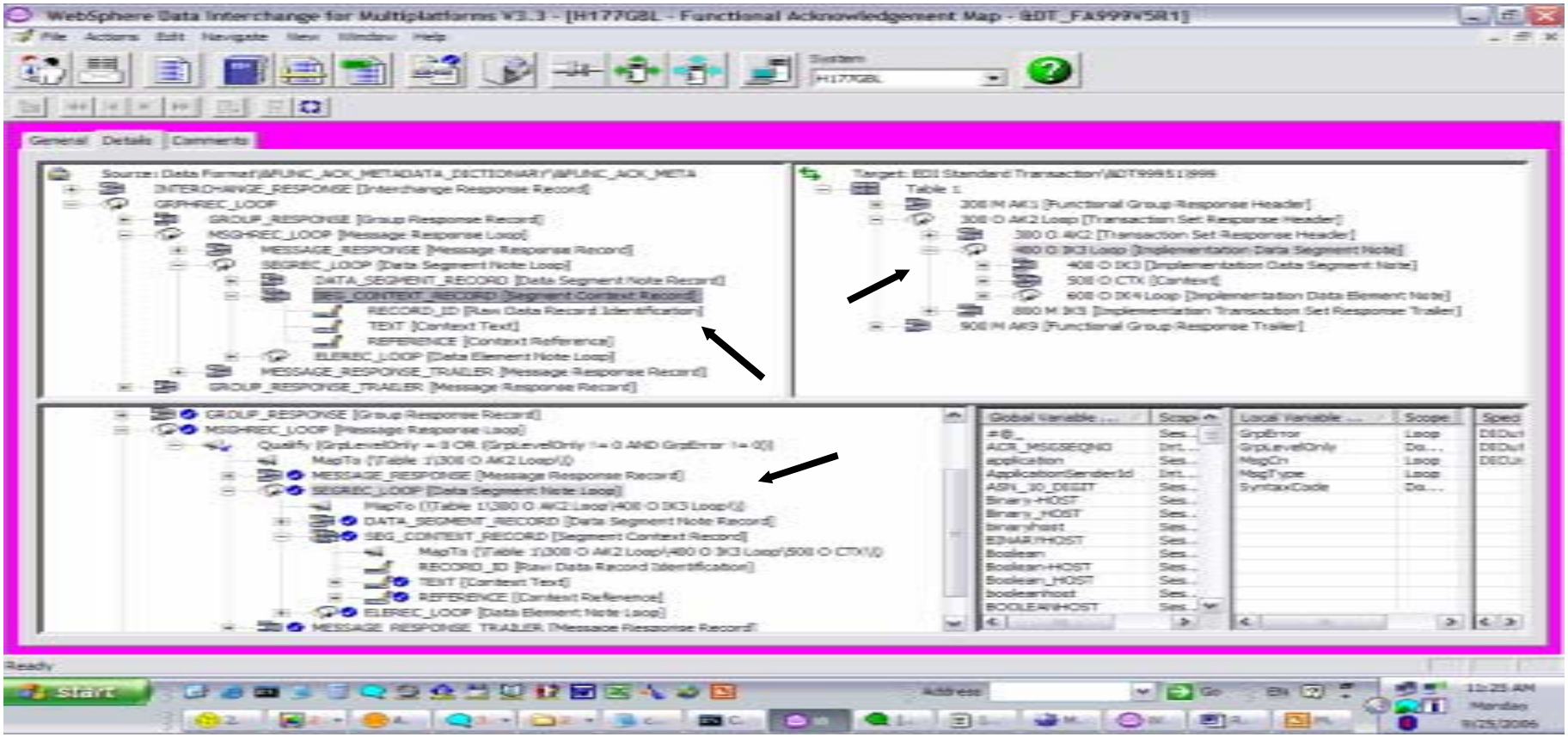
- Mapping – 999 Functional Acknowledgement Map



© IBM Corporation

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

- Mapping - 999 Functional Acknowledgement Map



© IBM Corporation

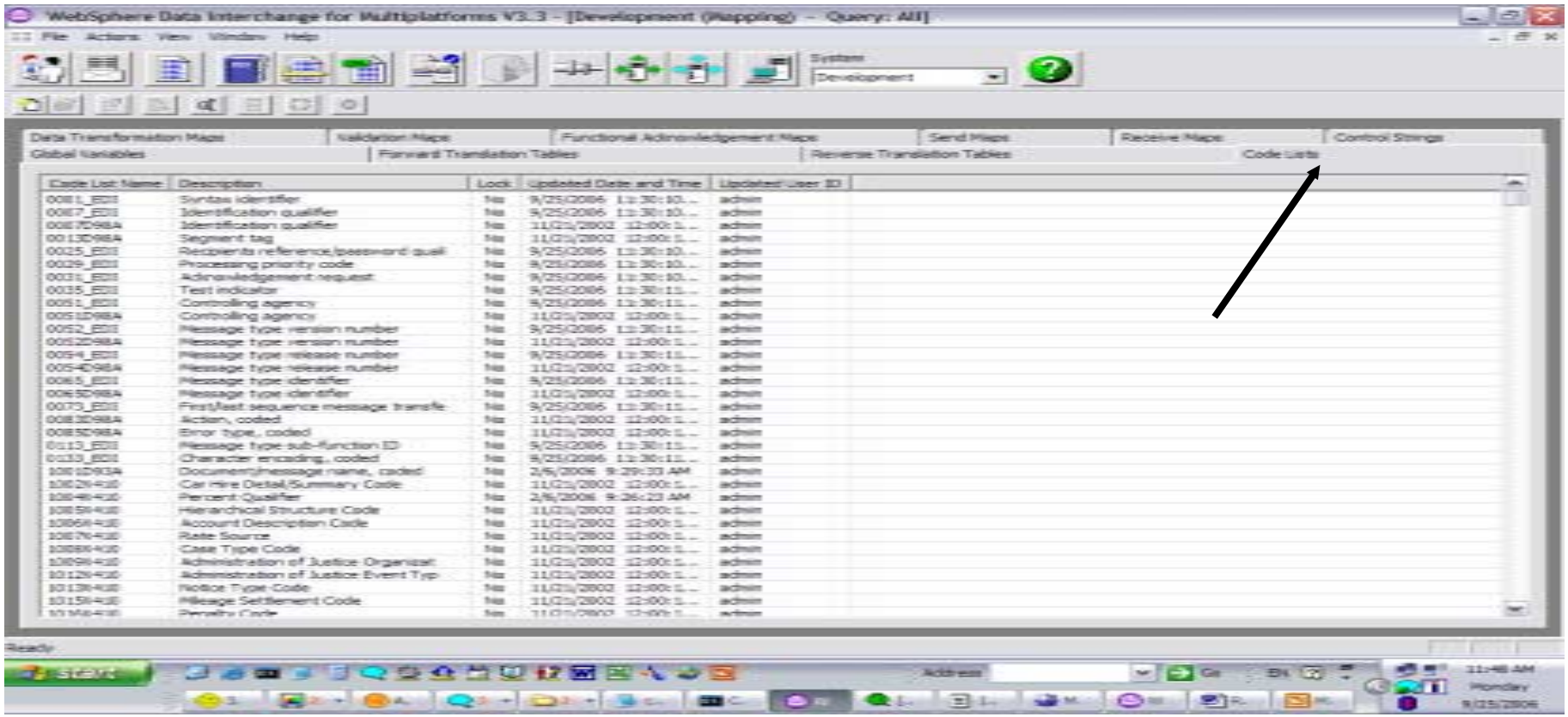
WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- 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

© IBM Corporation

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

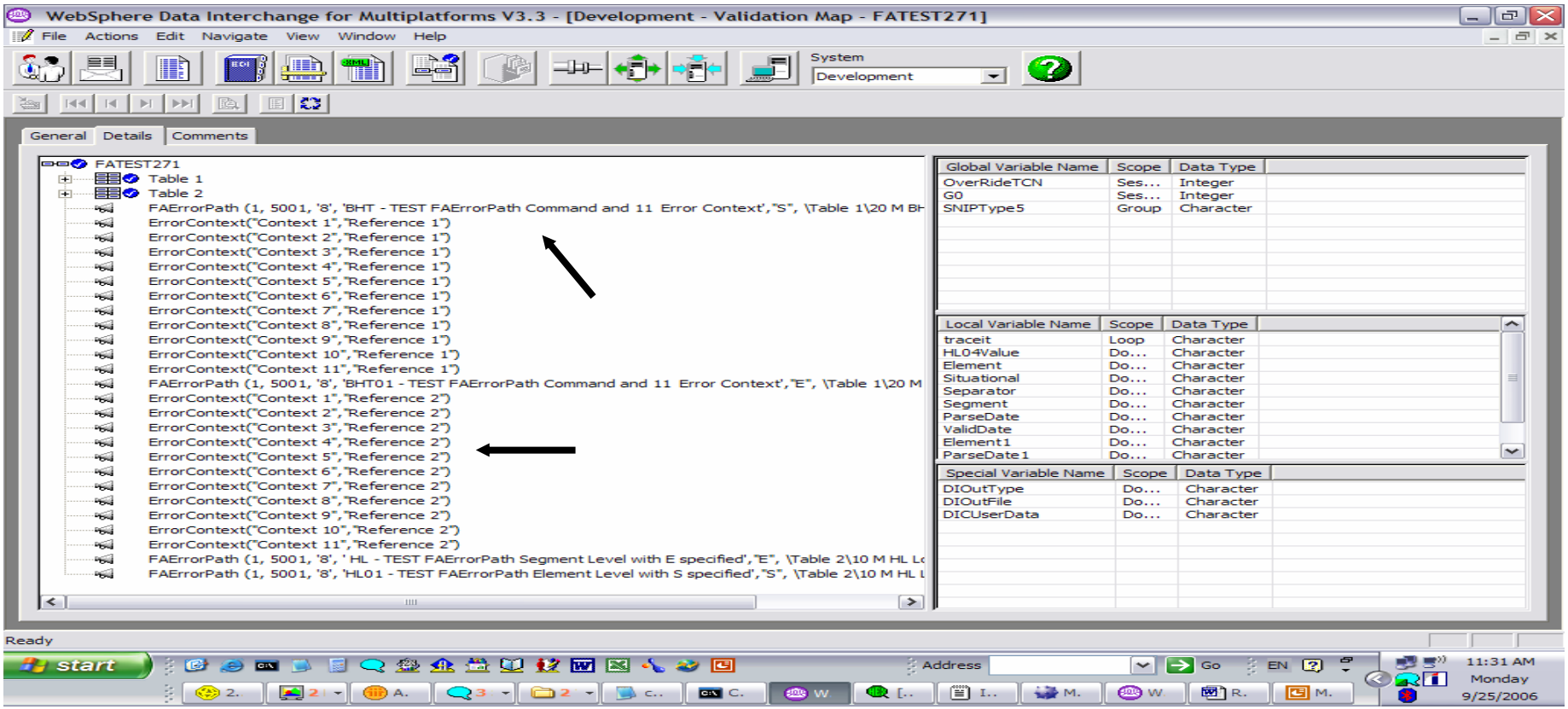
- Mapping WDI Client Functional Area:



© IBM Corporation

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

- Mapping – New Validation mapping commands



© IBM Corporation

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.

© IBM Corporation

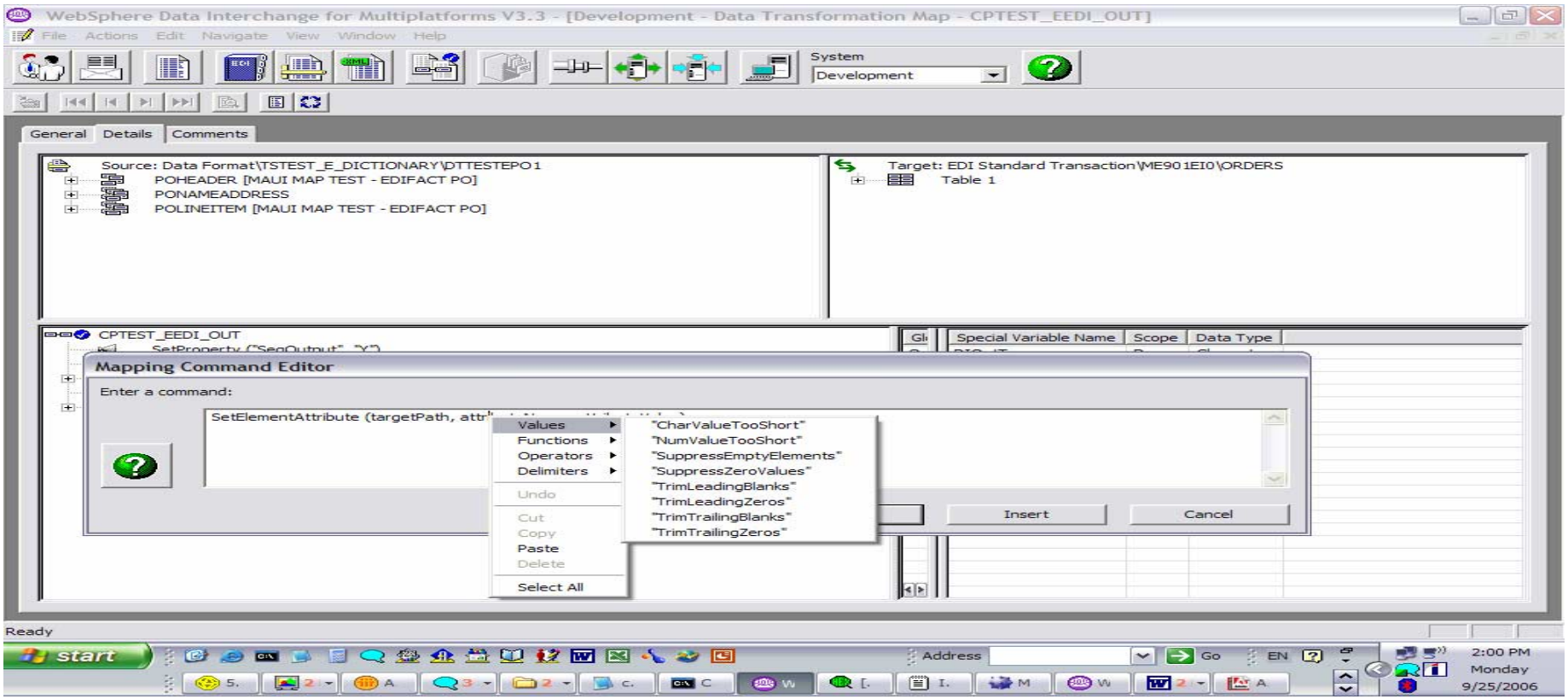
WDI 3.3 Work Shop Map / ADF / STDS / XML / Record ID

- 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.

© IBM Corporation

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

- Mapping – SetElementAttribute()



© IBM Corporation

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.

© IBM Corporation