IBM Software Group

IBM WebSphere® Data Interchange V3.3

T3 – Data Format Record ID Enhancement

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Agenda

- Overview
- Review WDI V3.2 Data Format Record Ids
- Review WDI V3.3 Data Format Record Ids
- Restrictions

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Data Format Record Id Enhancement

- Record Id Overview
  - Defined using WDI Client Record Id Information tab in the Data Format functional area.
  - Used by LMA to parse one message.
  - Data Format parser parses each record, does conversions, and creates the abstract message.
  - Record Id information is compiled in the control string
  - Raw Data used for Send/Receive process
  - Raw Data and C&D for Data Transformation process.

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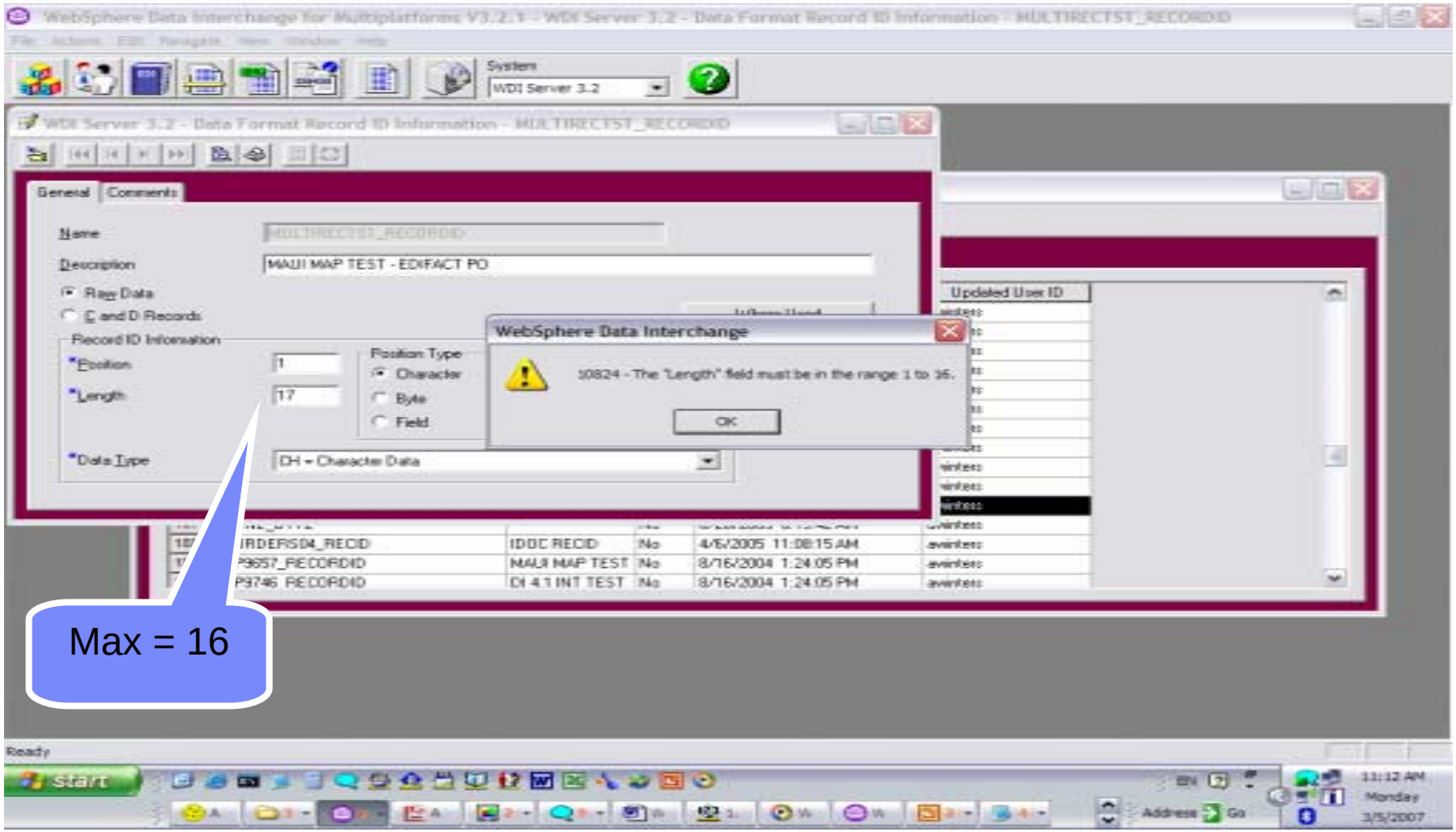
Data Format Record Id Enhancement



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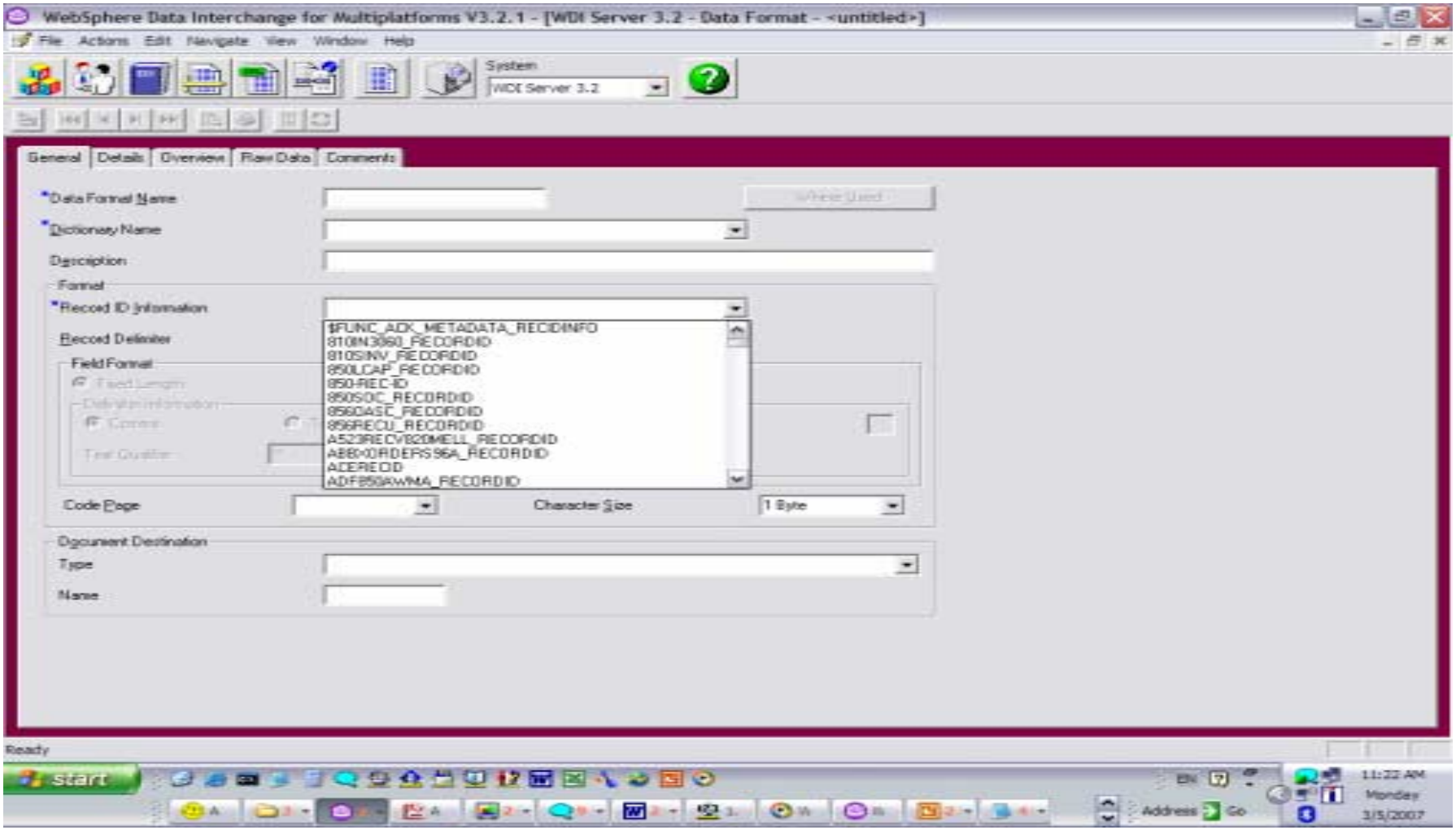

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Data Format Record Id Enhancement

- WDI V3.3
  - Allow varying/multiple record ids in a Data Format
  - Allow the records in the Data Format Definition to have different lengths for the record ids.
  - The maximum length extended to 64
  - WDI 3.2 control strings converted to WDI 3.3 control strings

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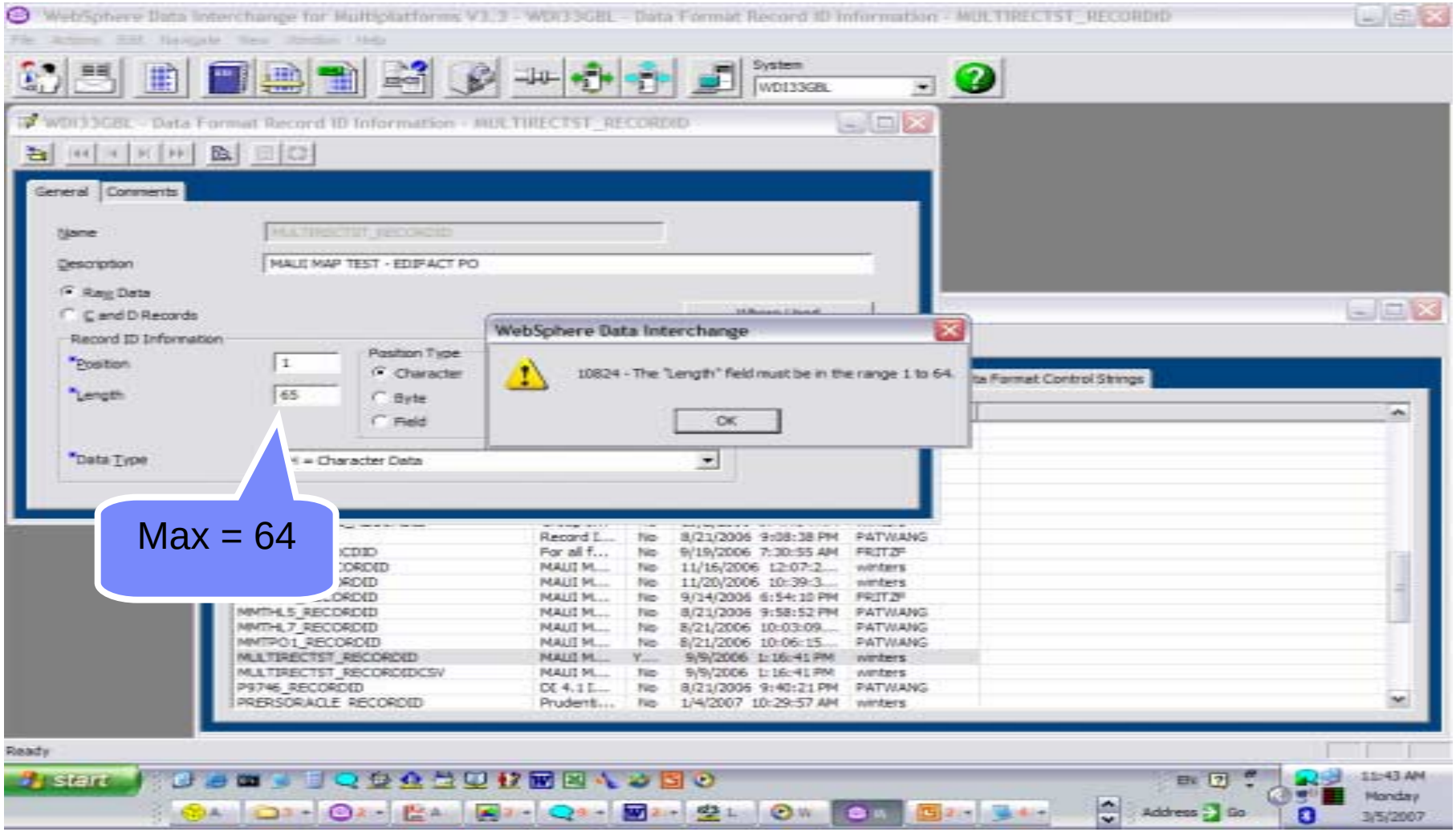
Data Format Record Id Enhancement



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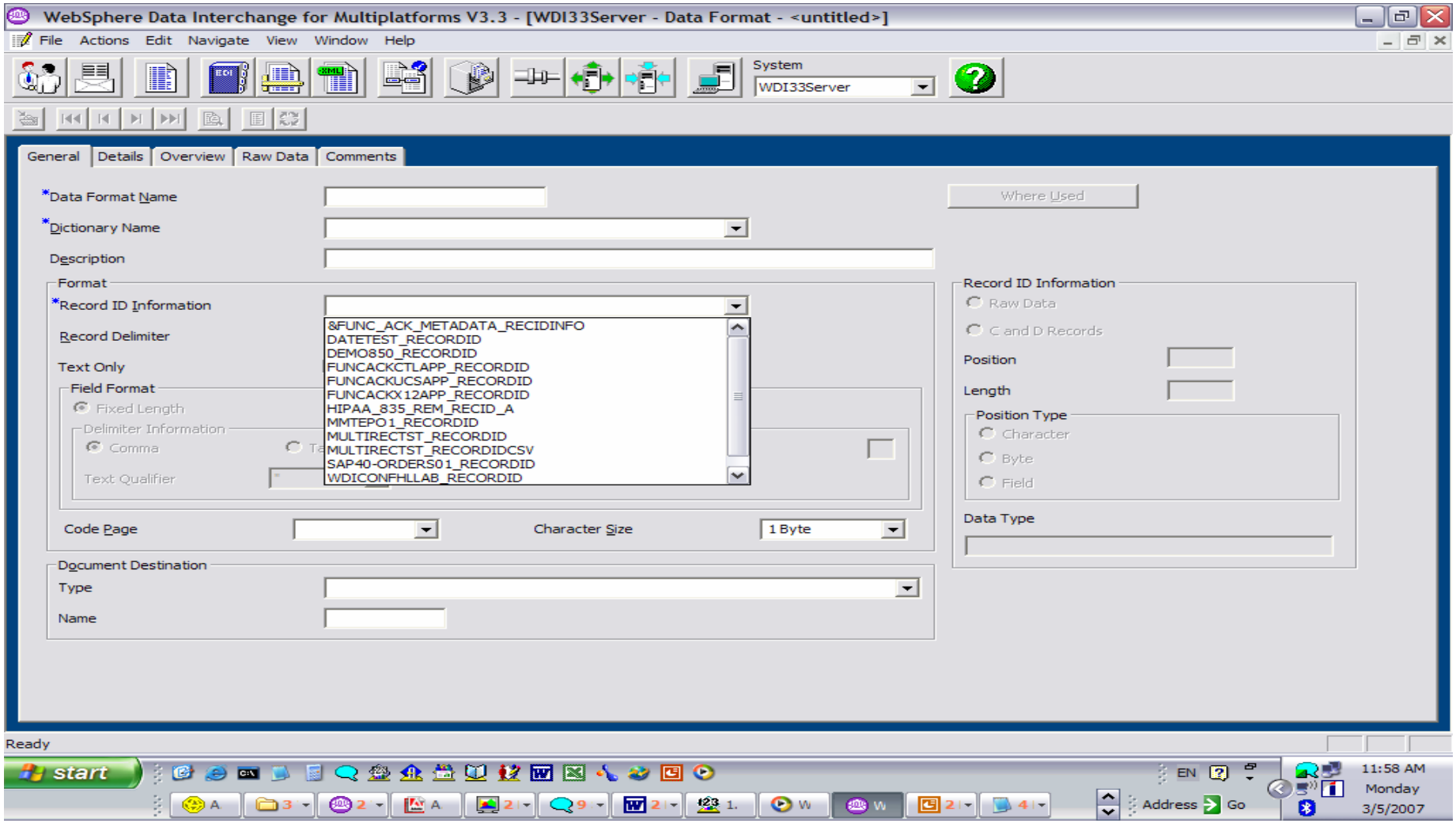

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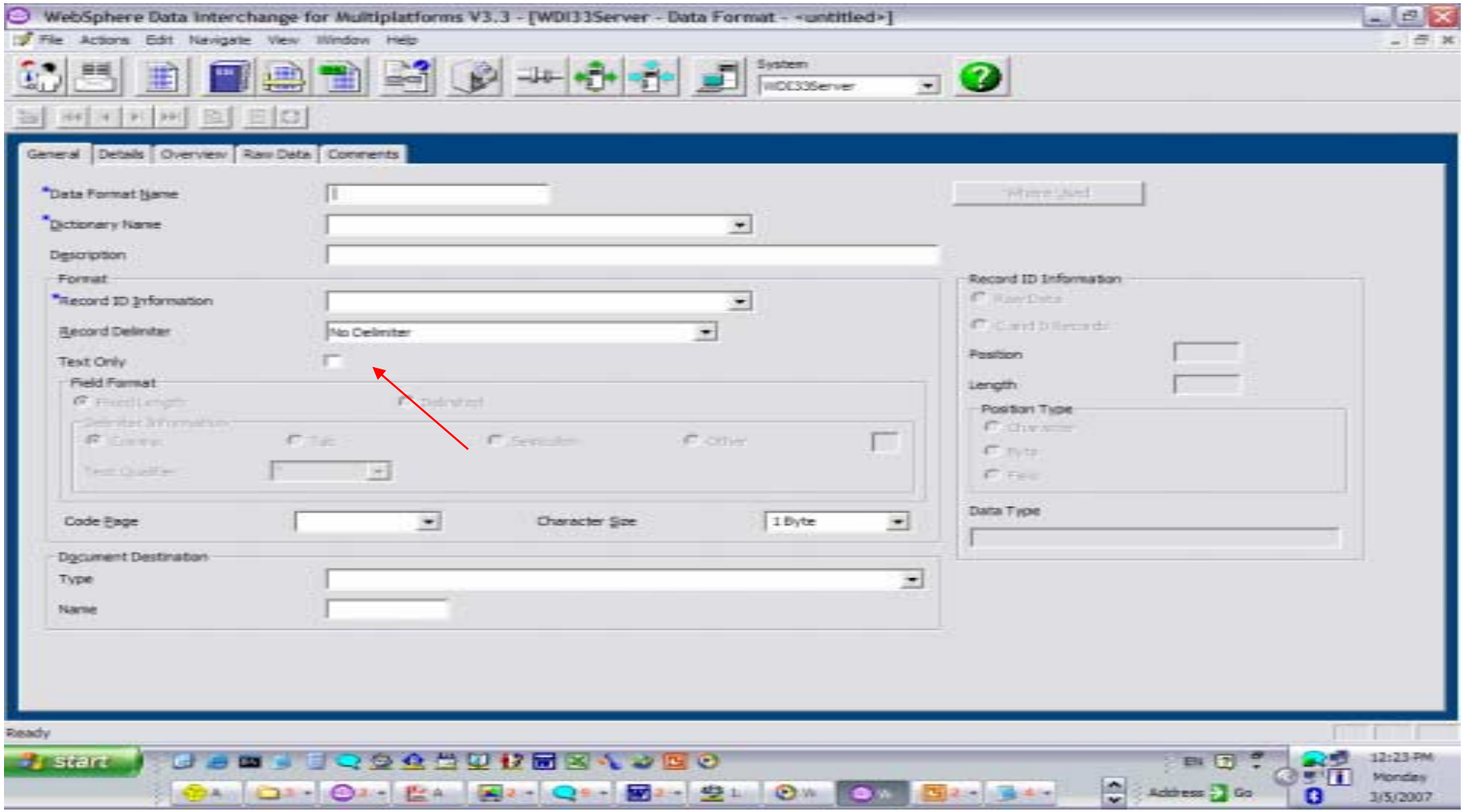

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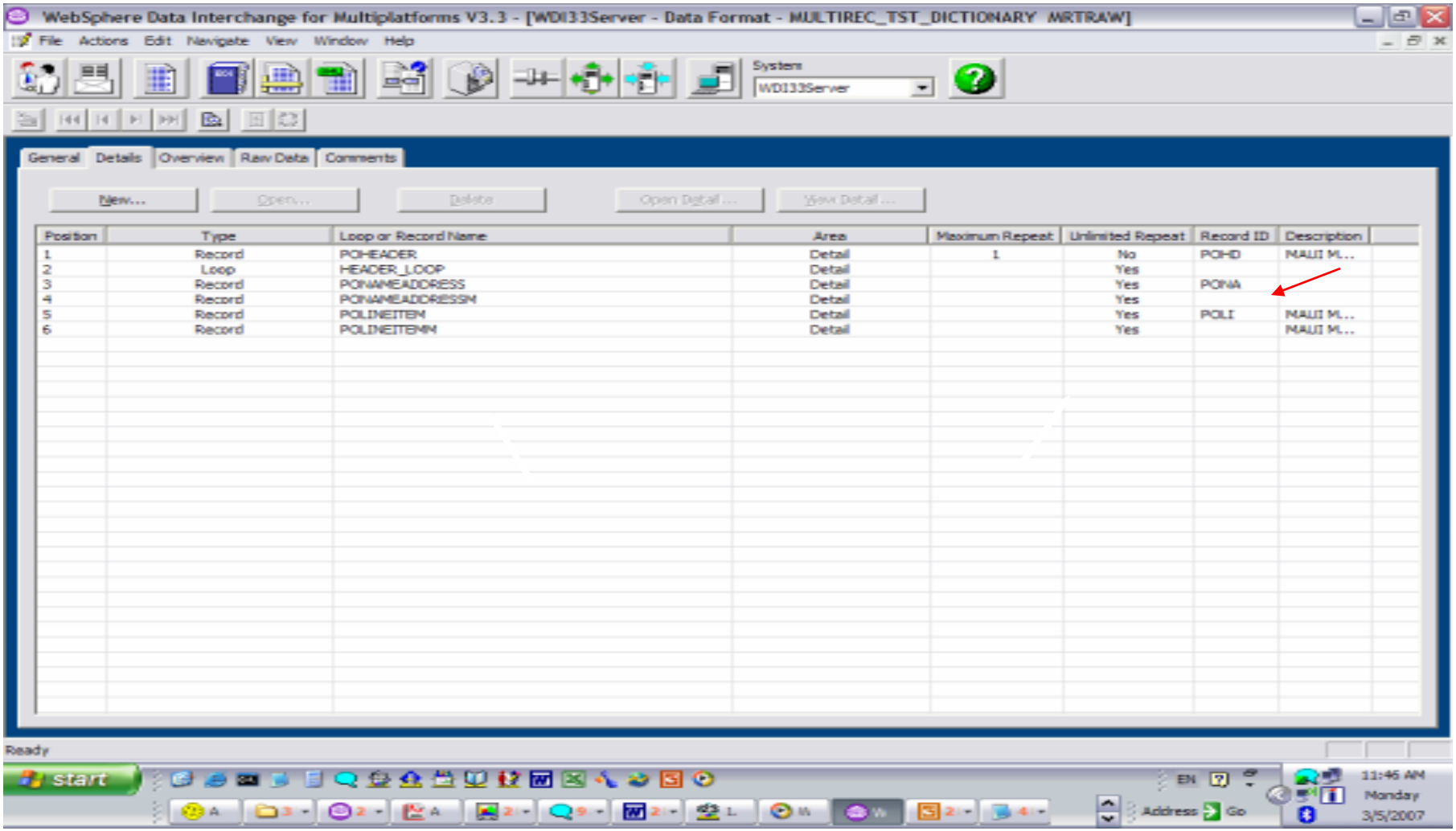

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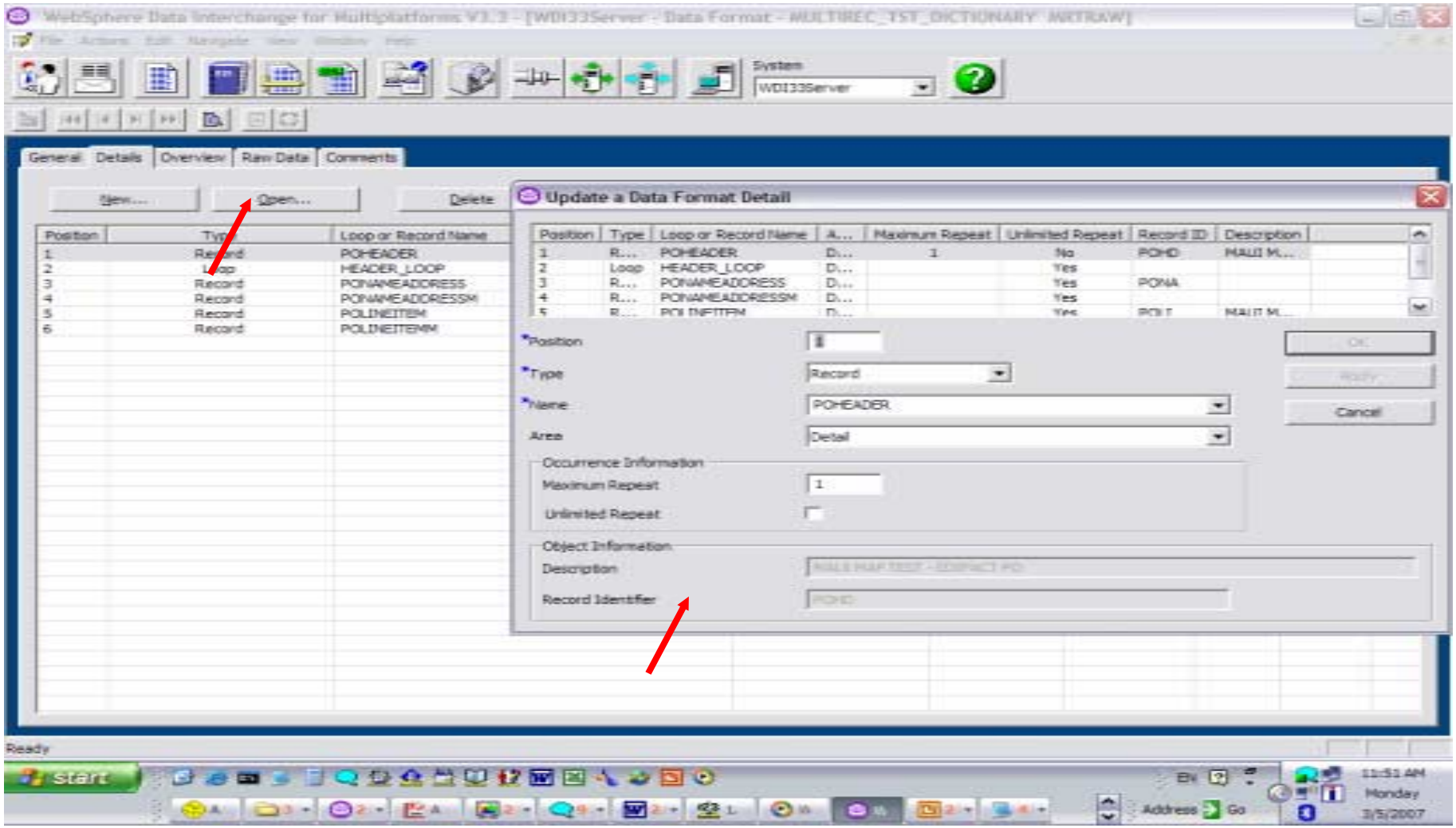

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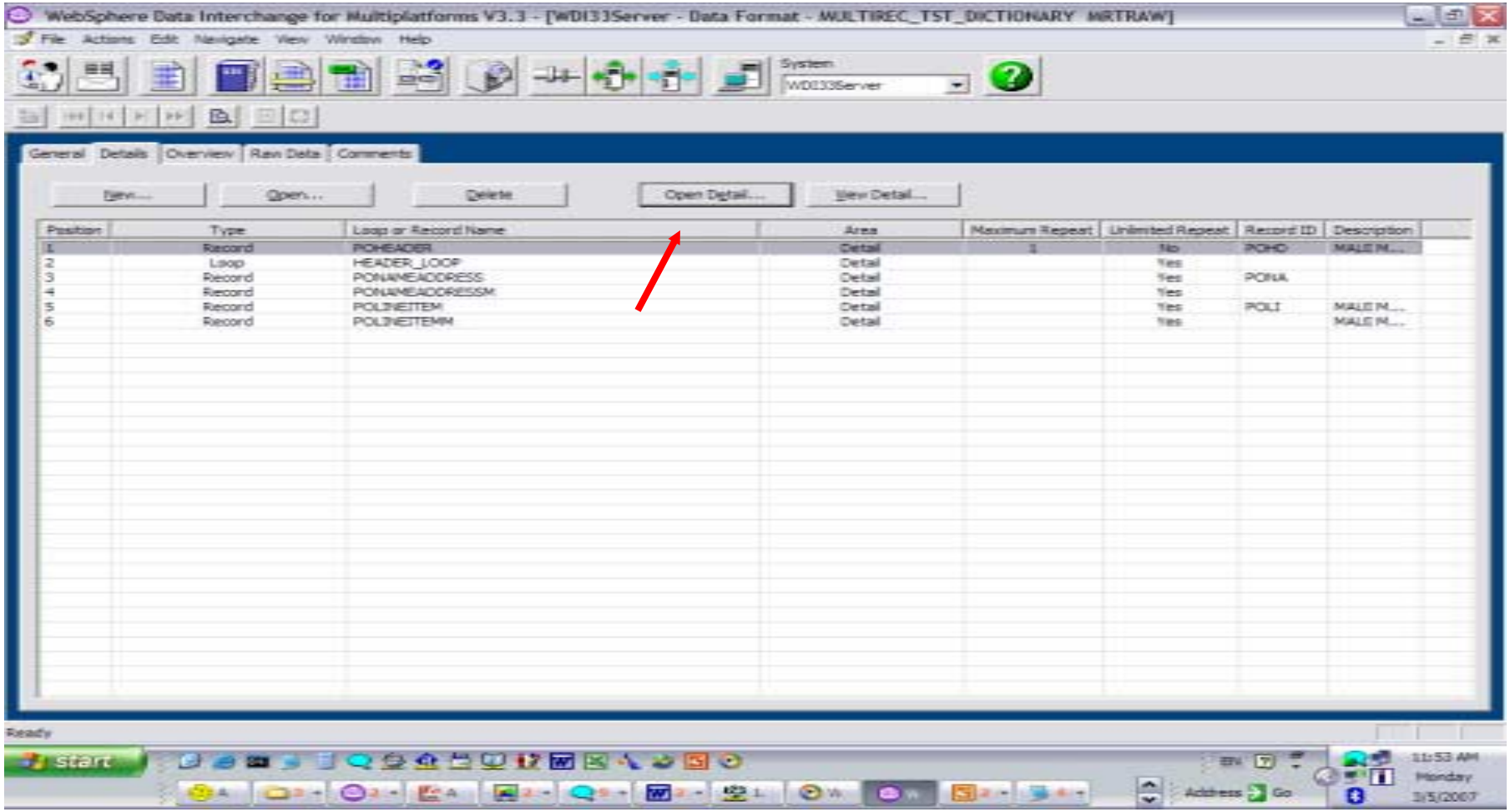

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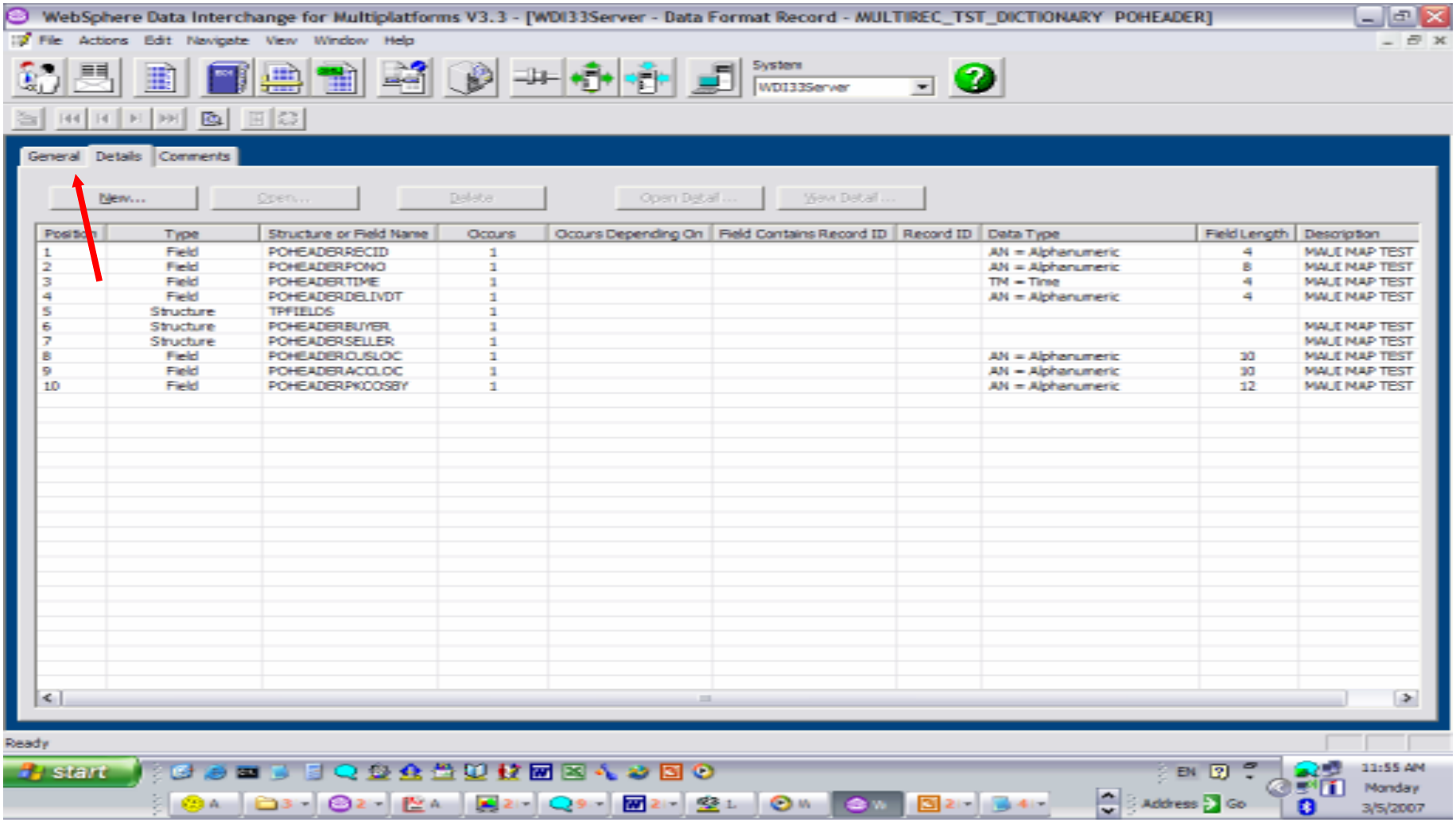

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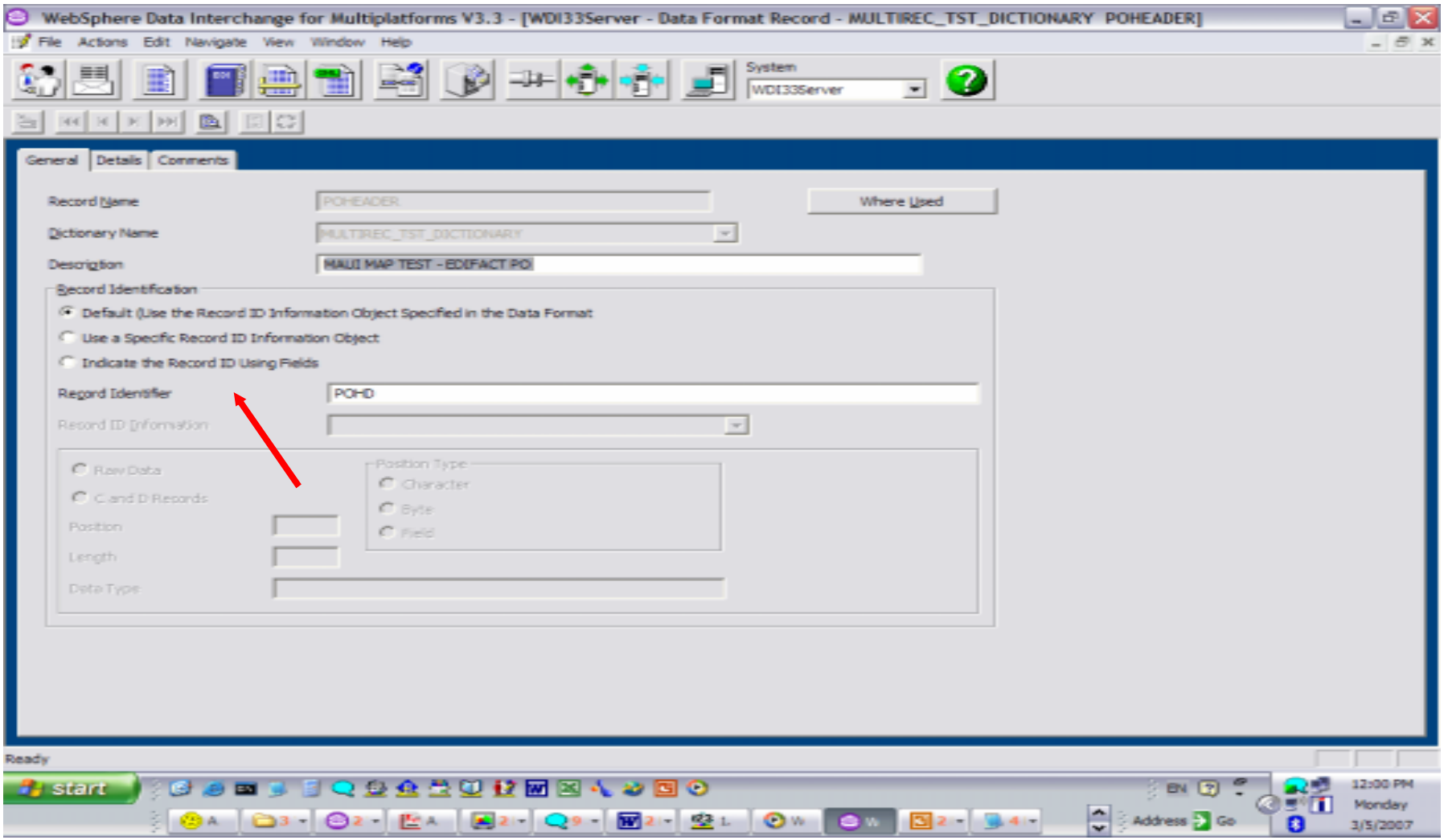

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Data Format Record Id Enhancement

- 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.

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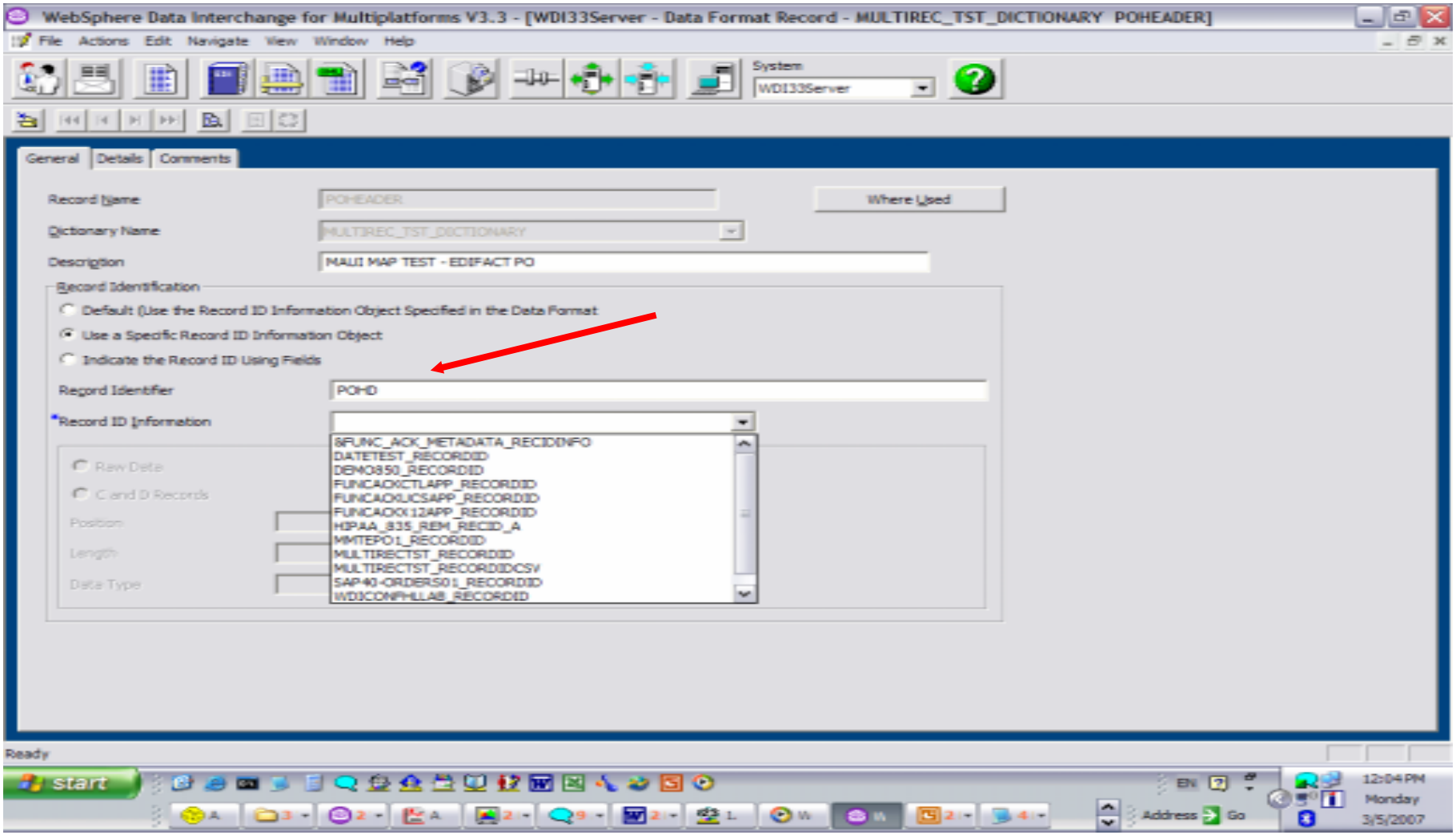
Data Format Record Id Enhancement



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Data Format Record Id Enhancement

Example:

Record ID Info: Record Id offset = 1 with length = 17
POHEADER: Record Id offset = 1 with length = 10
Default Record Id offset is 1 and length is 17.
Records in the Source data contain records

1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0
POHEADER (data)
PONAMEANDADDRESS1 (data)
PONAMEANDADDRESS2 (data)

Records defined for the data format definition have the following values:

POHEADER
PONAMEANDADDRESS1
PONAMEANDADDRESS2

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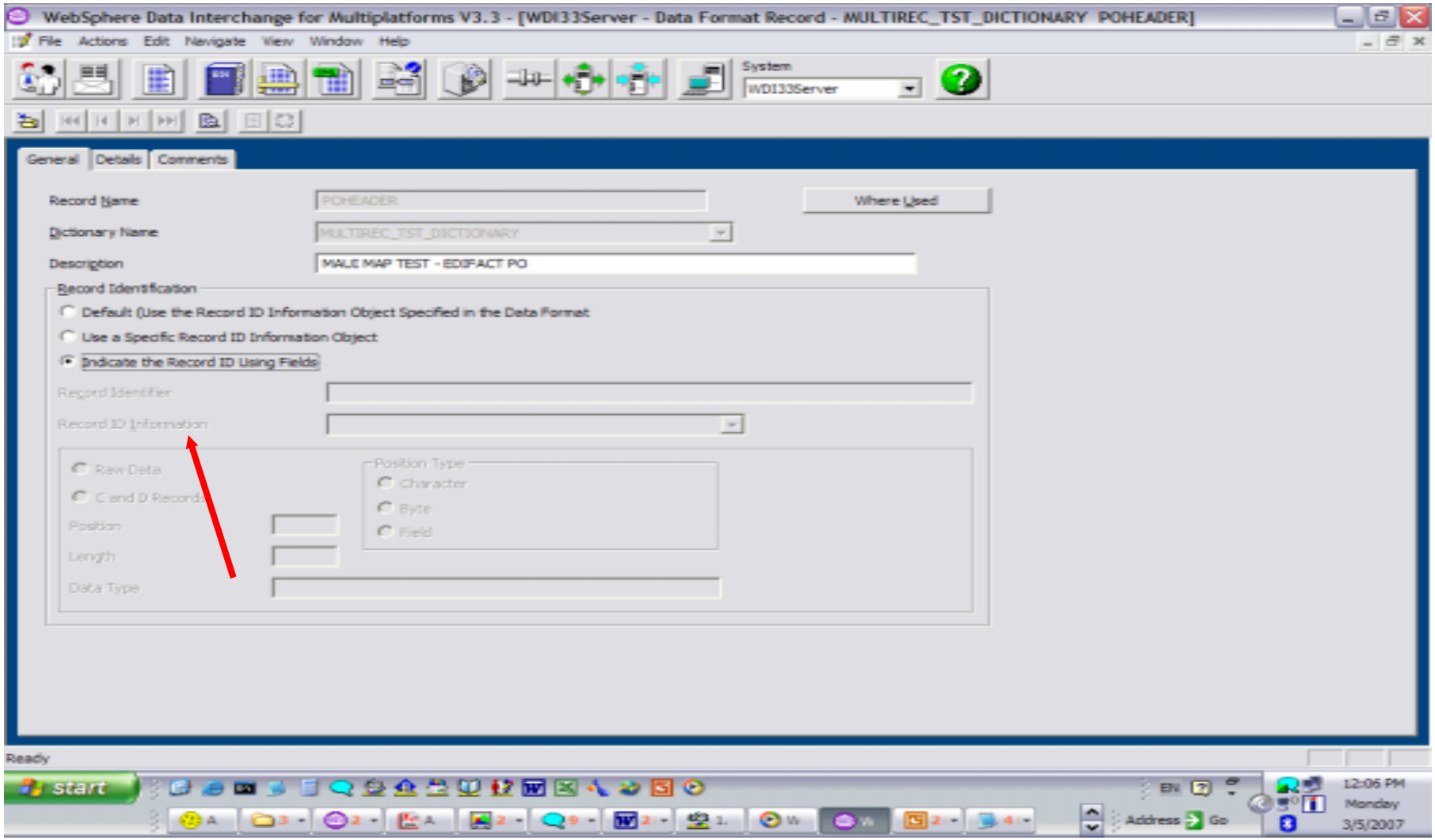
Data Format Record Id Enhancement



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Data Format Record Id Enhancement

Example:

Record Id is offset 1 with length 13. There are 2 possible record layouts for PONAMEADDRESS. Another field in the PONAMEADDRESS record identifies the record layout.

Record Id offset is 1 and length is 13.
Record Id offset for PONAMEADDRESS is 26 and length is 7.
Records in the Source data contain records

```
1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2
POHEADER            (data)
PONAMEADDRESS (data)                    LAYOUT1
PONAMEADDRESS (data)                    LAYOUT2
```


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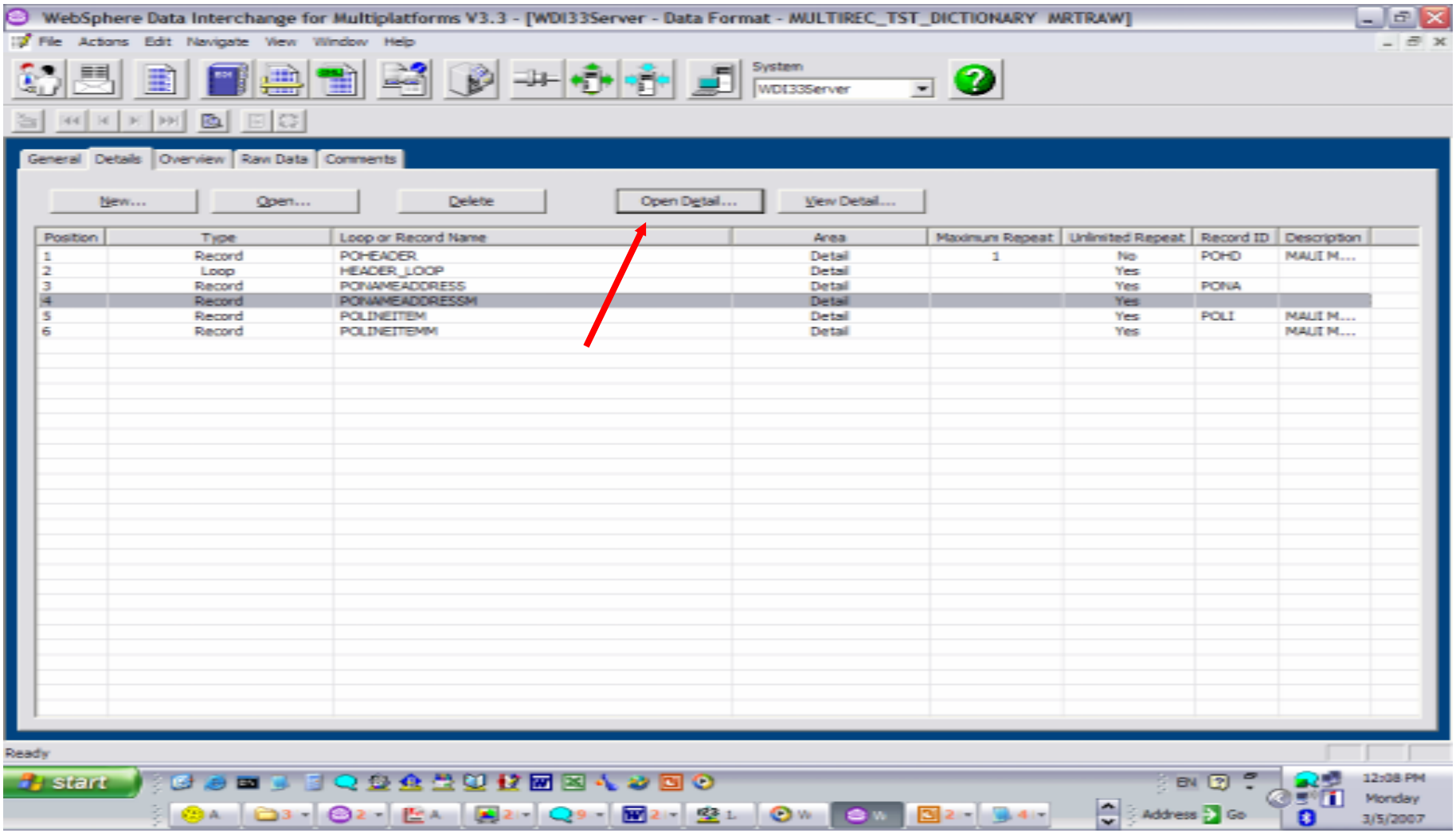
Data Format Record Id Enhancement



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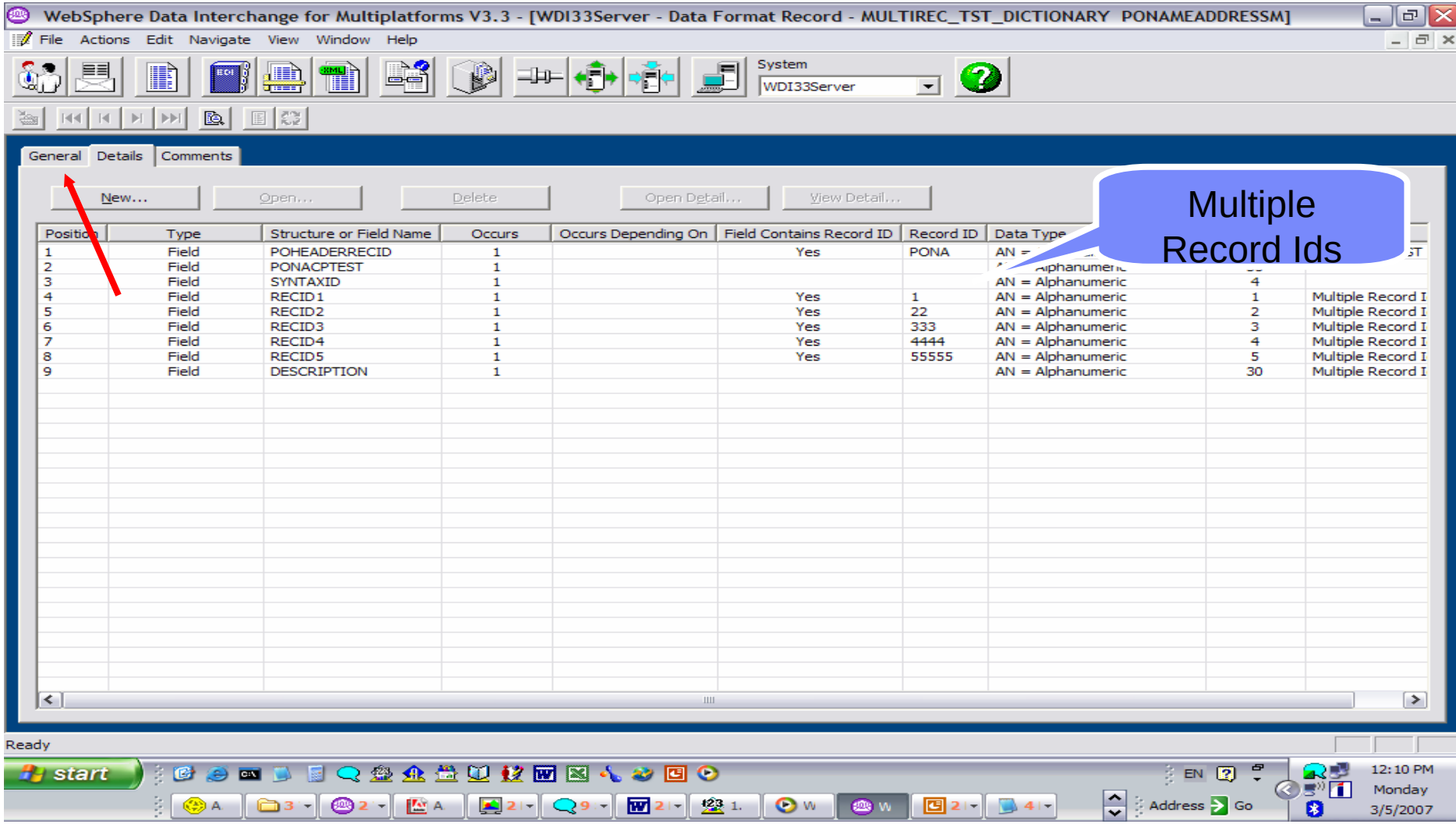

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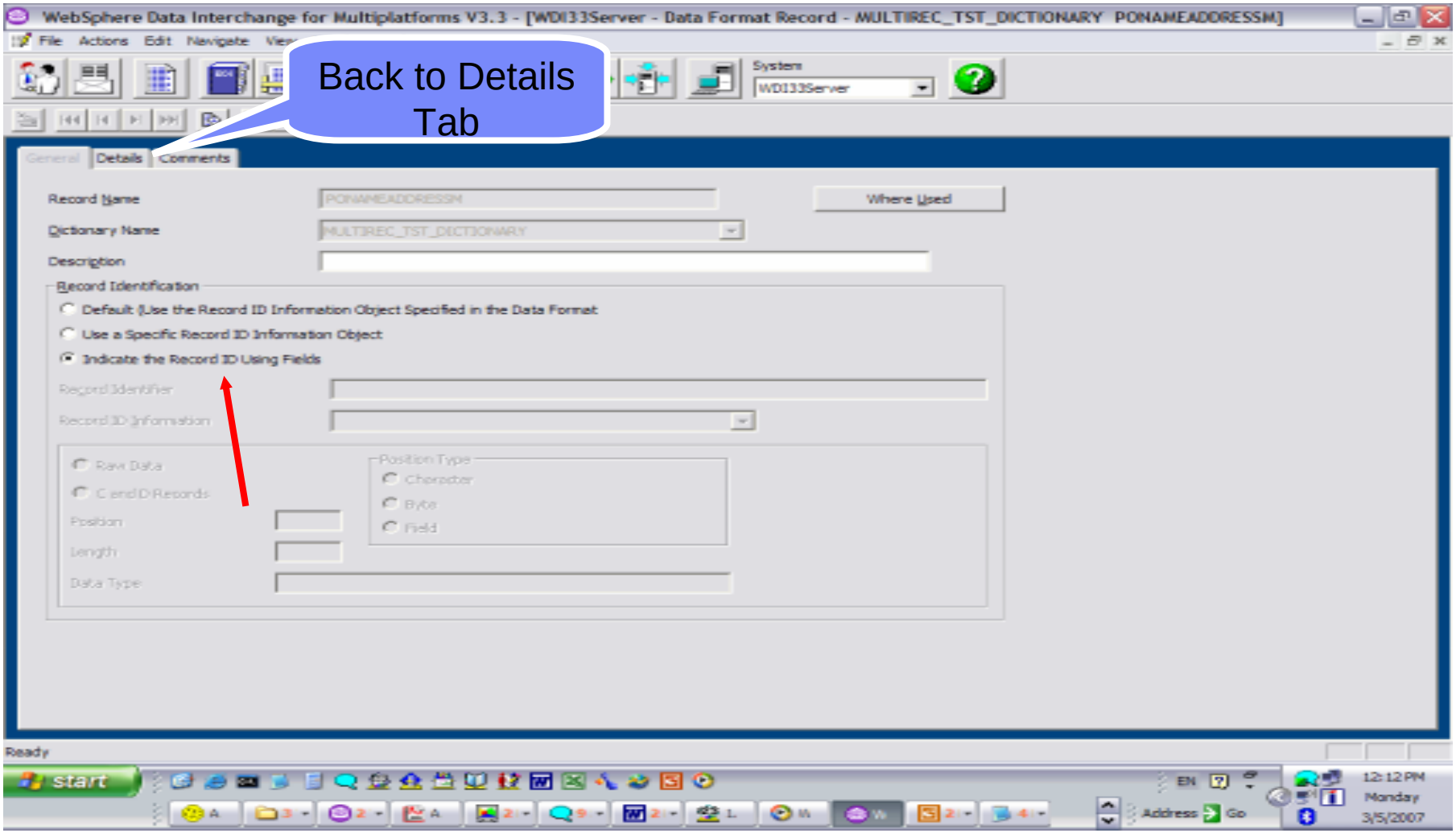

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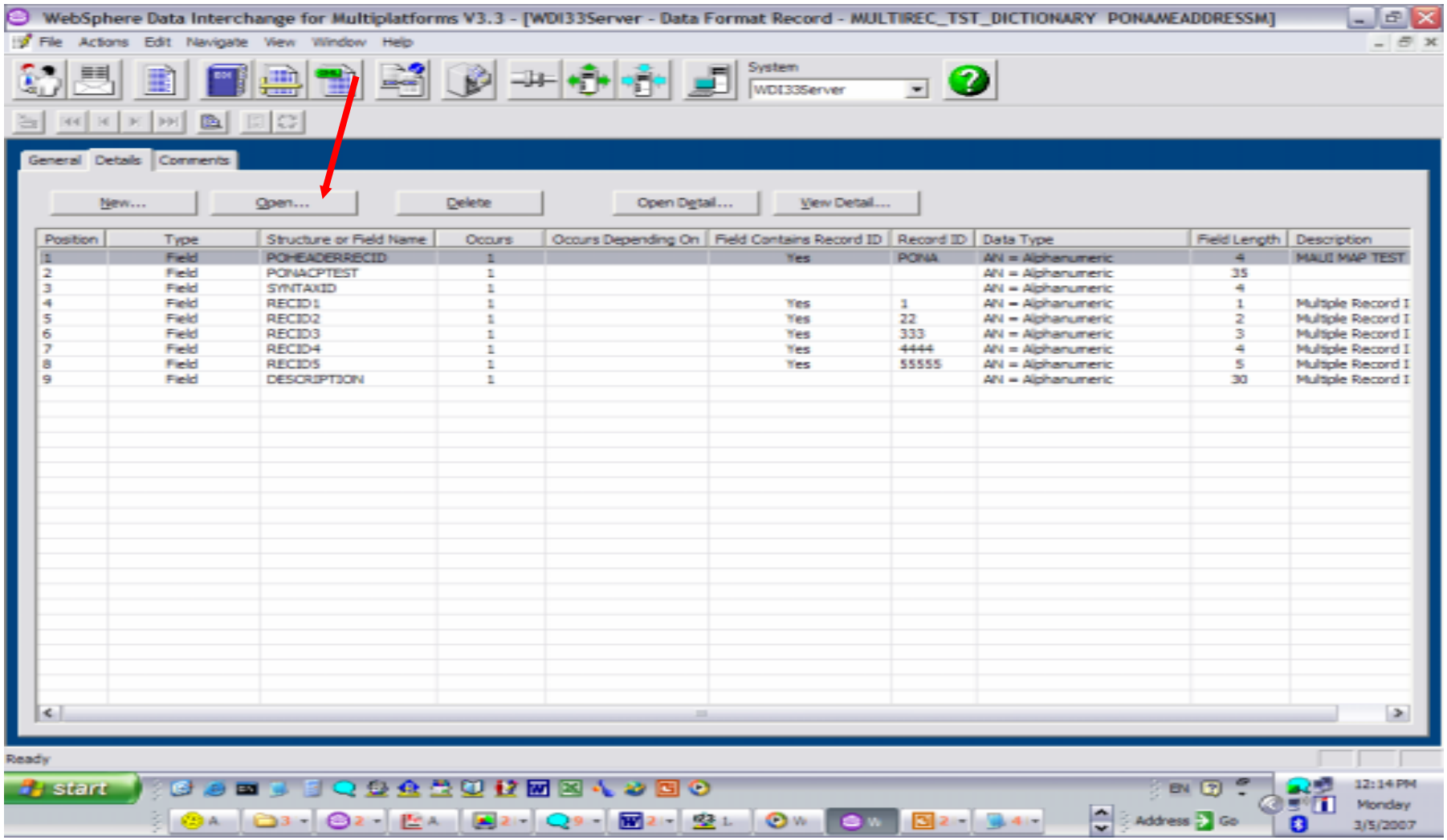

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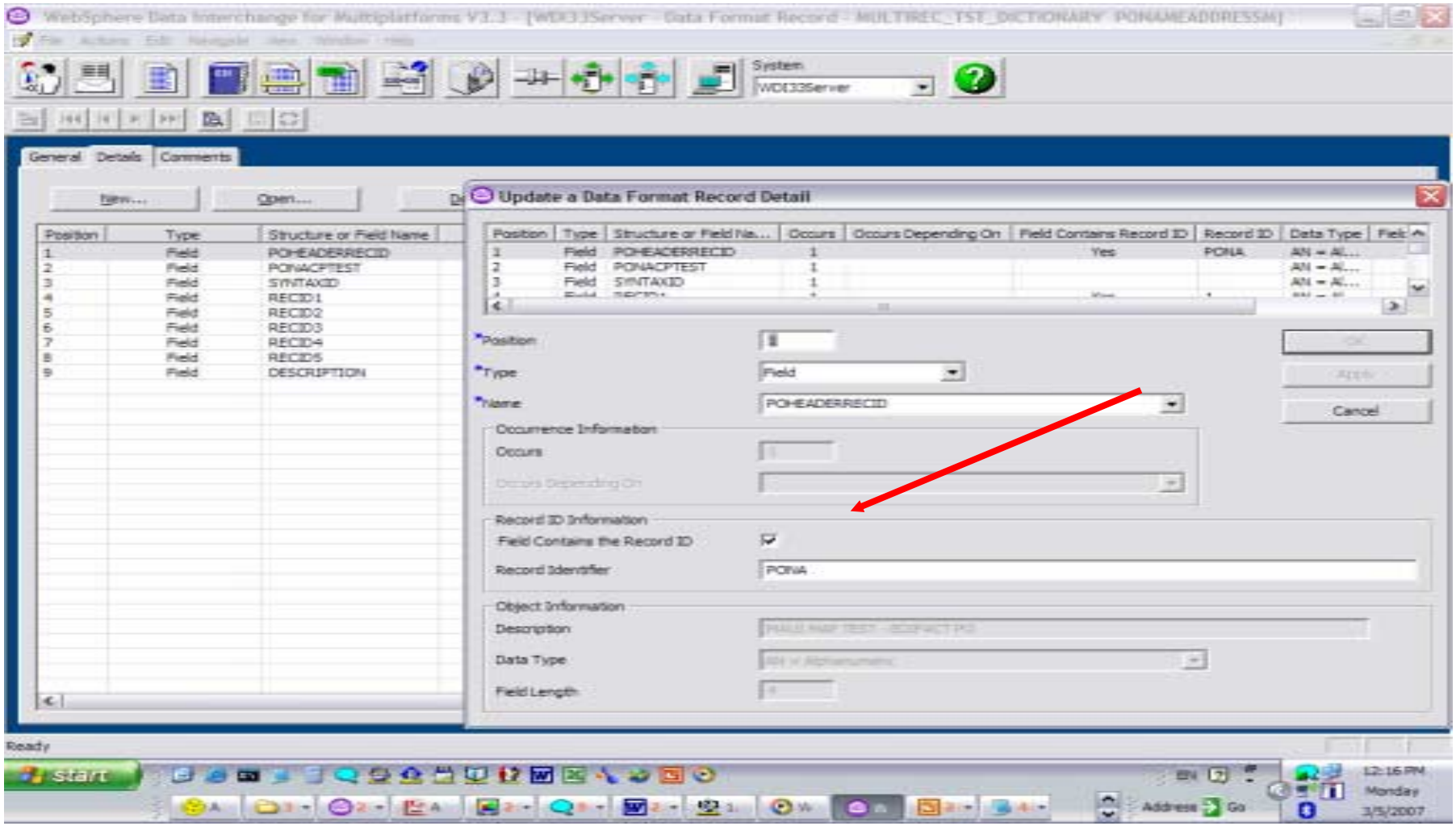

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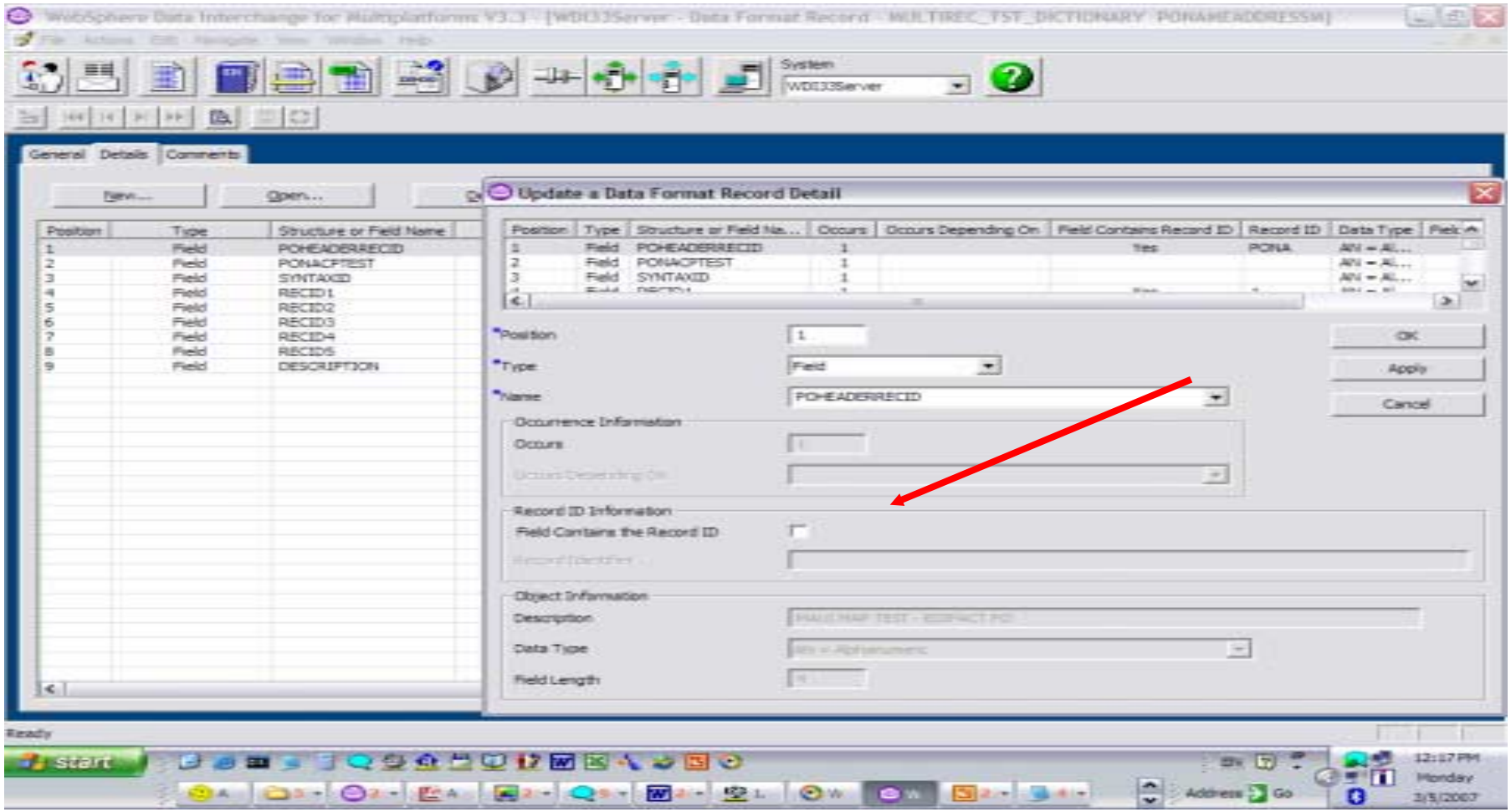

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Data Format Record Id Enhancement

- Restrictions
  - Record Ids may not be defined as fields within a structure.
  - Record ID Data Type restrictions: Record Id values are restricted to character-based fields.
  - Using Occurs Depending Structures, Record Id Selection must occur before the variable length structure within the record. NOTE: This is also a current restriction for WDI 3.2.

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