Microsoft supporting UNeDocs through Microsoft® Office InfoPath™

Smart client for on-line and off-line processing of XML forms

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Trading Challenges Today

- Data entry into various client apps multiple times
  - Different client for different applications
  - Unnecessary re-typing and data entry errors
- Custom forms hard to use, inflexible, costly to maintain
  - Lacking rich editing experience
  - Static forms limit ability to provide required information
  - Difficult to modify existing forms and adjust processes
  - Custom coding required for validation
- Hard to reuse data across business processes
  - Requires significant development work
Opportunity for 3rd parties

- **Opportunity for ISV – solution providers**
  - Electronic Customs Declaration, Single Window Concept
  - Enterprise trading applications (Acord, RosettaNet, HIPAA, HL7)

- **Opportunity for value-add web services, eg:**
  - Complex validation
  - Digital signature (eg. UPU Electronic PostMark)
  - Document Conversion to other standards
  - Check compliance with customs regulations
  - Electronic Duty payment
  - Customs submission / registration
InfoPath as a Smart Client for UNeDocs and Web Services

Microsoft supporting UNeDocs through MS Office InfoPath

UNeDocs forms

InfoPath client

Data processing scripts

Code lists, value add services

Multiple Web Services

XML
HTTP
SOAP
WSDL
UDDI

UNeDocs forms

Publish: extract XML / XSL

Print, Fax, e-mail

Load XML / XSN

On-line or Off-line

Corporate databases

BizTalk
SQL
IIS
STS
ASP.NET

Enterprise back end (optional)
Opening FIATA FFI sheet, filling in...

- A validation occurs in real time against a web service
- Normal data entry if the code is correct
- If code not correct: field’s border is colored in Red
- A dictionary form opens to help the user to “pick from the list”
- Type in the first letter / jump to wanted code
- Continue typing – select the Country name
Location field: example of Filtering from the list (37,000 items)

Drop down list created and filled with data from Web Services
  - Multiple choices to retrieve the correct Location Code
A reverse filter mode: user types all or part of the Location name

This will fill the Country/State/Location
A Search with a %(Joker) will search all the City Starting or containing the type Location Name
Every Country, Currency, Unit of Measurement in the form will be validated the same way.
InfoPath benefits for UNeDocs

- Gather information more efficiently & accurately
  - Validation: via scripting or web services
  - Conditional formatting capabilities
  - Easy to implement digital signing (eg. UPU web service)

- Manage information more flexibly
  - On-line, Off-line & e-mail support
  - Visual creating / modification of forms
  - Dynamic forms – locking, creating optional fields

- Take advantage of existing IT investments & knowledge
  - Web based solution deployment, supports any XML schema
  - Familiar Microsoft Office user experience

- Share information across business processes
  - Connects to XML Web services
  - Can connect to multiple biz processes via MS BizTalk Server