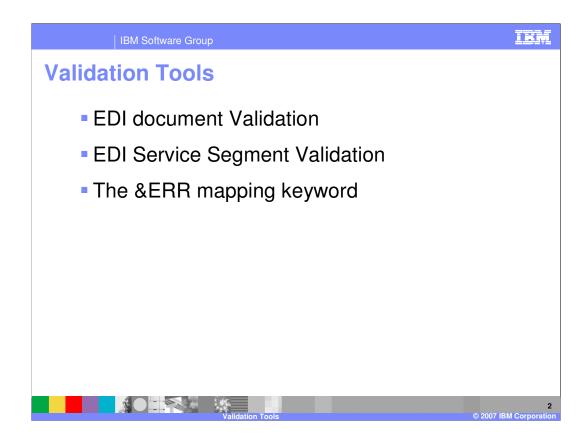
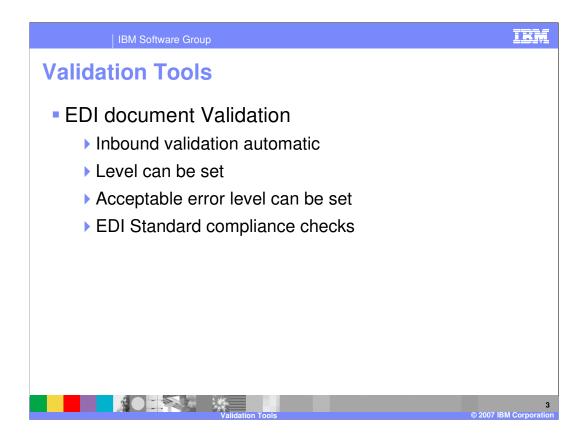


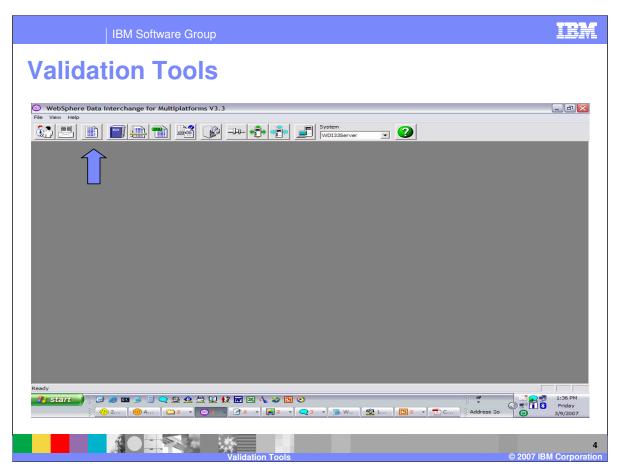
This presentation will review the validation tools that can be used in a Send or Receive map.



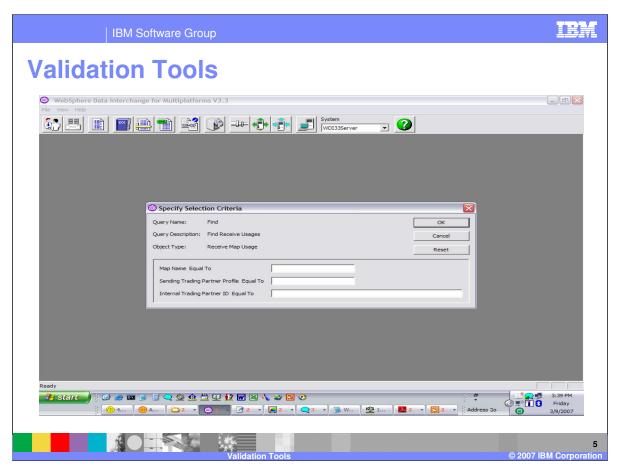
The presentation will review tools available for Electronic Data Interchange (EDI) standard document validation, and EDI service segment validation. The Error mapping keyword will also be reviewed.



WebSphere Data Interchange (WDI) will automatically validate inbound EDI documents that are to be translated for Receive mapping. The level of validation that will be performed is specified in the Receive Map Usage associated with the map. EDI Standard Transaction documents will be validated to ensure they comply with the corresponding EDI Standard.



You can view data transformation rules, send, and receive usages in the Rules and Usages functional area.



Selection criteria can be entered to view a specific set of rules or usages.

File Actions View		iplatforms V3.3 - WDI33S	erver (Rules and U	lsages) - Q	uery: I	Find		
		P	•	System WDI33Server		- 2		
		and Usages) - Query: Fi	nd					
	Data Transformation Map	Rules Send Map Usages Rece	ive Map Usages					
	Sending Trading Partner	Profile Receiving Trading Part	ner Profile Map Name	Transaction	Active	Usage Indicator	Application Sender ID or Receiver II	Applica A
	ANY	ANY	392_ED		Yes	Production	392_MSG_V1.5	Sender
	ANY ANY	ANY KNOWN	392_ED 392_ED		Yes	Production	392_MSG_V2.0 392_MSG_V1.5	Sender Sender
	ANY	KNOWN	392 ED	UTILMD	Yes	Production	392_MSG_V2.0	Sender
	KNOWN	ANY	392_XM	ACR392	Yes	Production		
	ANY ANY	ANY KNOWN	406_ED 406_ED	UTILMD	No	Test Production	406_MSG_V2.0 406_MSG_V2.0	Sender Sender
	ANY	ANY	414 ED	UTILMD	Yes	Test	414_MSG_V2.0	Sender
	ANY	KNOWN	414_ED	UTILMD	Yes	Production	414_MSG_V2.0	Sender
	ABB TPNAFSCL	ANY ANY	ABBXIO ACOMSGR		Yes	Production		
	TPNAFSCLS	ANY	ACQMSGR	ACQMSG	Yes	Production		
	VB/BCR/IATB/O VB/BCR/IATB/T	ANY	AERTDF	AERTDF	Yes	Production		
	AS1000	ANY	ASLIMC	LIMCLM	Yes	Test		
		ANY	ASLIMC	LIMCLM	Yes	Test		
	AS5000		ATLIMC	LIMCLM	Yes	Test		
	AT 1000 AT 2000	ΔΝΥ						
	AT 1000	ANY						2
	AT 1000 AT 2000	ΔNV 						
	AT 1000 AT 2000	ANV						
	AT 1000 AT 2000	ΔΝΥ 						
	AT 1000 AT 2000	any m						
535 rows	AT 1000 AT 2000	any III						
	471000 477000 €	any					. •	3:40 PM

There are 3 tabs to view Data transformation Rules, Send Usages, or Receive Usages. The Rules and Usages can be updated from this functional area.

IB	M Software G	roup			TEN
Validatio	on Too	ls			
WebSphere Data Intercl File Actions View Window E	Help	rms V3.3 - [WDI33Server (Mapping) - Quer			_ @ X
Global Variables Data Transformation Maps			Translation Tables	Code Lists	itrings
Map Name ITEST2	Compile Required De Yes	1	Lock	Updated Date and Time 2/27/2007 9:16:52 AM	Updated User II
TEST7 WDICONFLAB1_R850	Yes	zv Map X12V4R1(850) - WDI Conference 2006 Lab 1	No No	3/2/2007 2:57:06 PM 2/27/2007 11:25:28	awinters awinters
					_
		UH .			
3 rows, current row 1, 1 selected ro	ows	1.00			
🤧 start 🚽 🔅 🕑 🥥 🛛	🛛 🗩 🗐 📿 🥸 🕰	≝ ⊈ ∰ ₩ ⊠ ∿ २ ⊑⊙ © : - 2 - € - Q3 - 5	W 🙅 1 📙 2 🔹 👰	W Address So	3:06 PM S Friday 3/9/2007
Į.		: # \$			

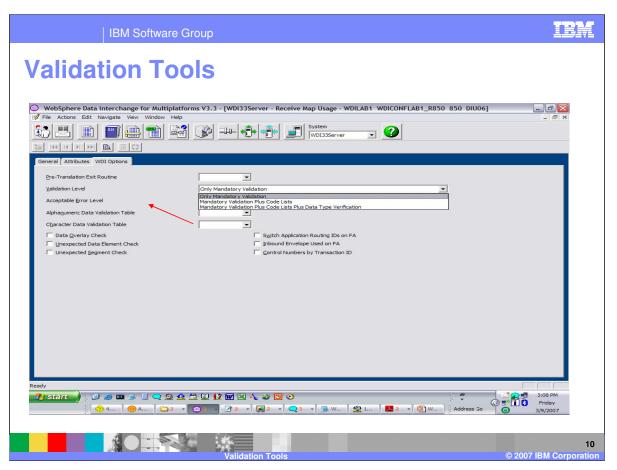
You can also go into the Mapping Functional Area, highlight the map and select the Rules and Usages button to see the Usages for a particular map.

		are Group				IBI
Validatio	on T	ools				
WebSphere Data Interce File Actions View Window	v Help				1_R850)]	_ @ ×
			System WDI33Se	erver 💌 🕐		
Map Name WDICONFLAB 1_R850	Transaction 850	Sending Trading Partner Profile WDILAB1	Receiving Trading Partner Profile DIU06	Active Usage Indicator Yes Test	Application Sender ID or Receiver ID	Application Sender o
<						>
	■ 📄 📓 <	2 🧐 👥 📩 🗓 Lotus Organizer] 🔩 🕹 🖸 🕑 - 🛃 2 📿 3 👼 4	N 隆 1 🛃 2		3:07 PM 1 Friday 3/9/2007
			tion Tools			2007 IBM Corpora

To update or view the Receive Usage, double click the Usage.

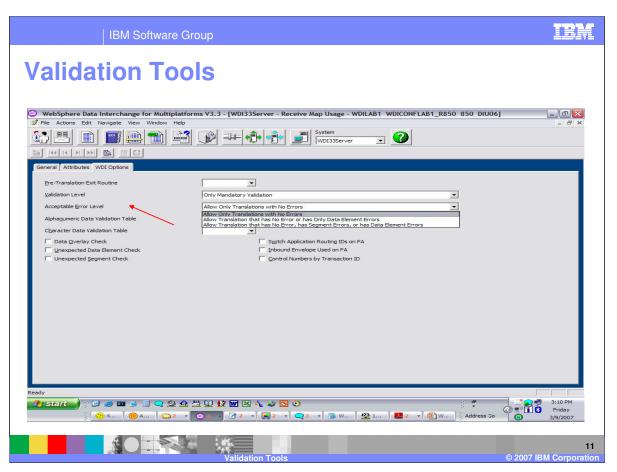
File Actions Edit Navigate View V	🖦 😒 📖 🛶 🚑 💻 Syster	n 133server 🔽
Ineral Attributes WDI Options Map Name Sending Trading Partner Internal Trading Partner Trading Partner Profile Beceiving Trading Partner Trading Partner Profile Application Routing Sender ID Receiver ID Receiver ID Receiver ID Receiver ID Receiver ID Receiver JO Receiver J	WDICONFLABI_R850	Iransaction 850 Usage Indicator Test Production Information Envelope Profile Image: Adjourned optimized and the second
v		

The fields related to the level of validation that will be performed are located on the WDI Options tab.

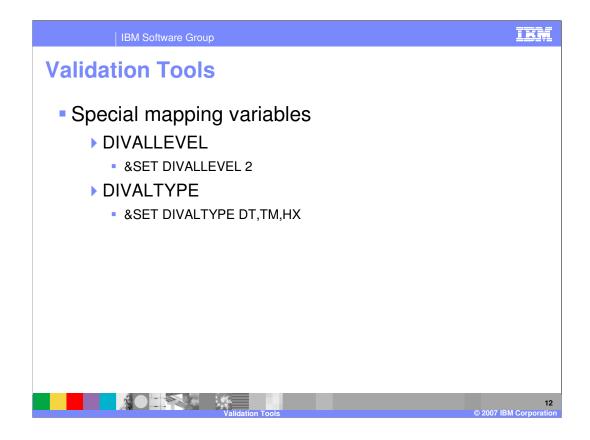


You can select the Validation Level. Mandatory Validation will perform the basic EDI Standard Syntax checking. Mandatory plus Code List will perform the basic EDI Syntax checking and validate the values in the EDI message against elements in the EDI document definition that contain a code list. Mandatory plus Code List plus data type verification will additionally validate the values in the EDI message against the data type defined in the EDI document definition.

For example, elements with data type Alphanumeric will be checked to ensure all the characters in the value are in the ALPHANUM code list. This code list is the default code list used for Alphanumeric data type checking. You can also create your own Alphanumeric and Character code list and specify them here for this particular Rule or in the Application Defaults profile for your WDI system.



You can select the Acceptable Error Level. You can Allow Translations with no errors, with data element level errors, or with segment or data element errors. For example, a missing mandatory segment will allow the translation to complete with an acceptable error level that allows segment level errors. A message will be issued as a warning.



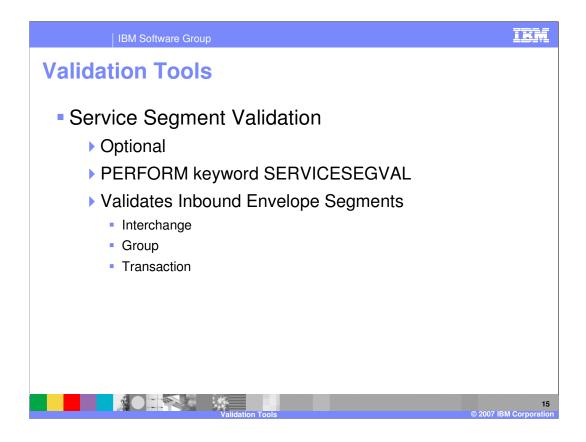
There are also Special mapping variables that can be used the to set the Validation Level and Validation Type. DIVALLEVEL may have the values 0 for no validation, 1 for code list validation, and 2 for code list validation plus data type checking. DIVALTYPE can be used to control the data types for which data type checking is done with validation level of 2. The types that may be specified are DT, TM, N, R, CH, AN, A, and HX. They must be specified in uppercase and separated by a comma. These variables can be set using the &SET command.

File Actions Edit Navigate View		ystem WDI33Server	- 8
Map Name Sending Trading Partner Internal Trading Partner ID Trading Partner Profile Beceiving Trading Partner Trading Partner Profile Application Routing Sender ID Receiver ID Release Version Responsible Agency Code	WDICONFLABI_R850	Iransaction Image: Indicator Image: Indicator Image: Indicator Image: Information Image: Information Image: Information Image: Im	
lγ <mark>; start)</mark> { @ @ œ ₅ [; <mark>⊙</mark> 4] @ 4.		W 122 1 12 - 10 W Address 50	3:22 PM Friday 3/9/2007

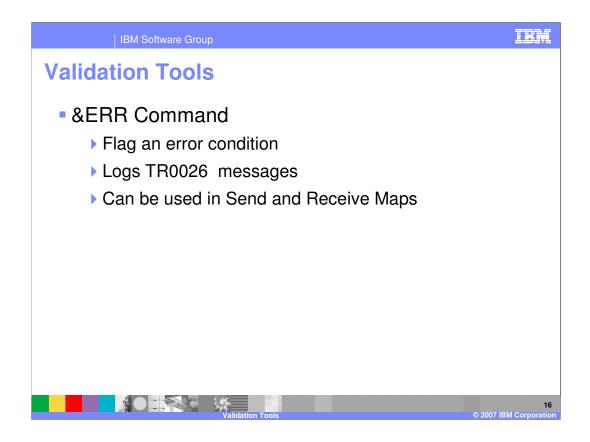
You can specify a Functional Acknowledgment Map along with an Envelope profile to be used when enveloping the functional acknowledgment. With this selection, WDI will automatically generate the Functional Acknowledgment during the EDI Source document processing.

File Actions Edit Navigate View Window		_ # - #
	System Villasserver V	
General Exit Routines Envelope Attributes V		
Map Name	WDICONFLAB1_S850	
Data Eormat Name	WDILAB1	
Internal Trading Partner ID	DIU06	
Trading Partner Profile	DIU06	
Sending Trading Partner		
Trading Partner Profile	ANY	
Properties		
Acknowledgement Expected	• Test	
Log Application Data Active	C Production C Information	
Active		
ady	· 🕸 🚓 🎘 💟 💱 🗃 🖂 💊 🐸 🖸 📀	3:27 PM

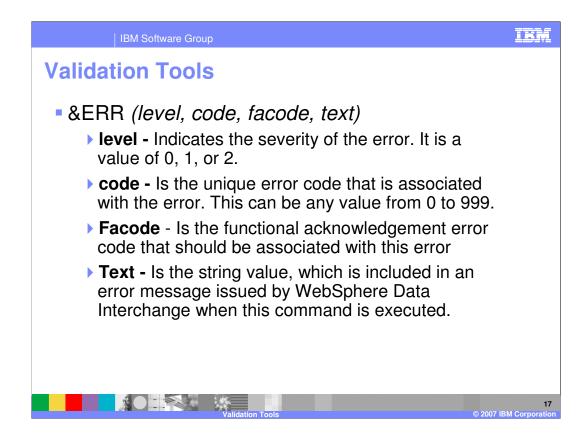
Under the Send Usage you can select if an Acknowledgment is expected for EDI Target or outbound messages. When your trading partner sends you the functional acknowledgment this flag will be used to reconcile the acknowledgment with the original EDI outbound message. The WDI Document Store must be active the reconciliation.



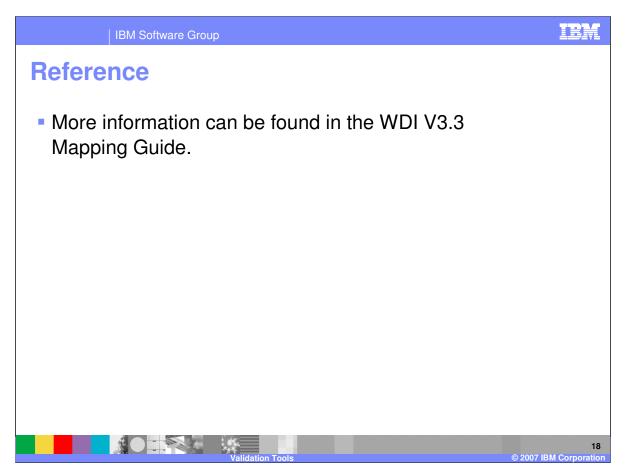
Service Segment validation is optional. This level of validation is for the inbound or source EDI Envelope Segments. To request this level of validation the PERFORM command keyword SERVICESEGVAL must be specified. A value of 1 indicates mandatory and minimum maximum length checking for the Envelope elements. A value of 2 indicates the value should also be validated using a code list.



Use the &ERR command to issue an error condition. This command enables you to establish your own errors for a translation. Typically, the error is issued from within an If conditional block. This command generates TR0026 messages. It can be used in a both a Send and Receive map to issue an error. In a Receive map parameters may be used to identify an error in a functional acknowledgment message.



This is the syntax of the Error Command. Level indicates the severity of the error. It is a value of 0, 1, or 2. If *level* exceeds the acceptable error level specified in the <u>Send Map Usage</u> or <u>Receive Map Usage</u>, then the translation will not be successful and the application data will not be returned. **Code** is the unique error code that is associated with the error. This can be any value from 0 to 999. The value of *code* plus 5000 will also be added to the list of errors for the Transaction. **Facode** is the functional acknowledgement error code that should be associated with this error. **Text** is the string value, which is included in an error message issued by WebSphere Data Interchange when this command is executed.



More information can be found in the WebSphere Data Interchange Version 3.3 Mapping Guide.

	IBM Software Grou	qı		IBM			
				Template Revision: 04/25/2006 11:09 AM			
Traden	narks, co	opyrights,	and discla	aimers			
The following terms are tra	demarks or registered trademark	s of International Business Machines Co	prporation in the United States, other cou	untries, or both:			
IBM IBM(logo) e(logo)business AIX	CICS Cloudscape DB2 DB2 Universal Data	IMS Informix iSeries Lotus	WMQ OS/390 OS/400 pSeries	Tivoli WebSphere xSeries zSeries			
Java and all Java-based tr	ademarks are trademarks of Sun	Microsystems, Inc. in the United States	other countries, or both.				
Microsoft, Windows, Windo	ows NT, and the Windows logo ar	e registered trademarks of Microsoft Co	rporation in the United States, other cou	intries, or both.			
Intel, ActionMedia, LANDe	sk, MMX, Pentium and ProShare	are trademarks of Intel Corporation in the	ne United States, other countries, or both	h.			
UNIX is a registered trade	mark of The Open Group in the U	nited States and other countries.					
Linux is a registered trade	mark of Linus Torvalds.						
Other company, product a	nd service names may be tradem	arks or service marks of others.					
typographical errors. IBM future direction and intent services does not imply the	may make improvements and/or of are subject to change or withdraw at IBM intends to make such prod s not intended to state or imply that	changes in the product(s) and/or progra al without notice, and represent goals a ucts, programs or services available in a	m(s) described herein at any time withou nd objectives only. References in this d all countries in which IBM operates or do	cument could include technical inaccuracies or it notice. Any statements regarding IBM's locument to IBM products, programs, or es business. Any reference to an IBM Program , that does not infringe IBM's intellectual			
Information is provided "AS IS" without warranty of any kind. THE INFORMATION PROVIDED IN THIS DOCUMENT IS DISTRIBUTED "AS IS" WITHOUT ANY WARRANTY, EITHER EXPRESS OR IMPLIED. IBM EXPRESSLY DISCLAIMS ANY WARRANTIES OF MERCHANATABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NONINFRINGEMENT. IBM shall have no responsibility to update this information. IBM products are warranted, if at all, according to the terms and conditions of the agreement (e.g., IBM Customer Agreement, Statement of Limited Warranty, International Program License Agreement, etc.) under which they are provided. Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products in this publication and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. IBM makes no representations or warranties, express or implied, regarding non-IBM products and services.							
The provision of the inform licenses should be made,		nded to, and does not, grant any right of	r license under any IBM patents or copy	rights. Inquiries regarding patent or copyright			
IBM Director of Licensing IBM Corporation North Castle Drive Armonk, NY 10504-1785 U.S.A.	IBM Corporation						
how those customers have considerations such as the	e used IBM products and the resu amount of multiprogramming in t	Its they may have achieved. The actual	throughput or performance that any use on, the storage configuration, and the w	les described are presented as illustrations of ar will experience will vary depending upon orkload processed. Therefore, no assurance			
© Copyright International E	Business Machines Corporation 2	006. All rights reserved.					
Note to U.S. Government	Users - Documentation related to	restricted rights-Use, duplication or disc	losure is subject to restrictions set forth	in GSA ADP Schedule Contract and IBM Corp.			

