

ChangeTracker™ is an IBM® DOORS® accelerator product from
River North Solutions



***ChangeTracker*™ for DOORS**

ChangeTracker™ provides rich text mark up of revisions to
current version or between baselines; it facilitates review and
approval cycles

ChangeTracker™ Overview

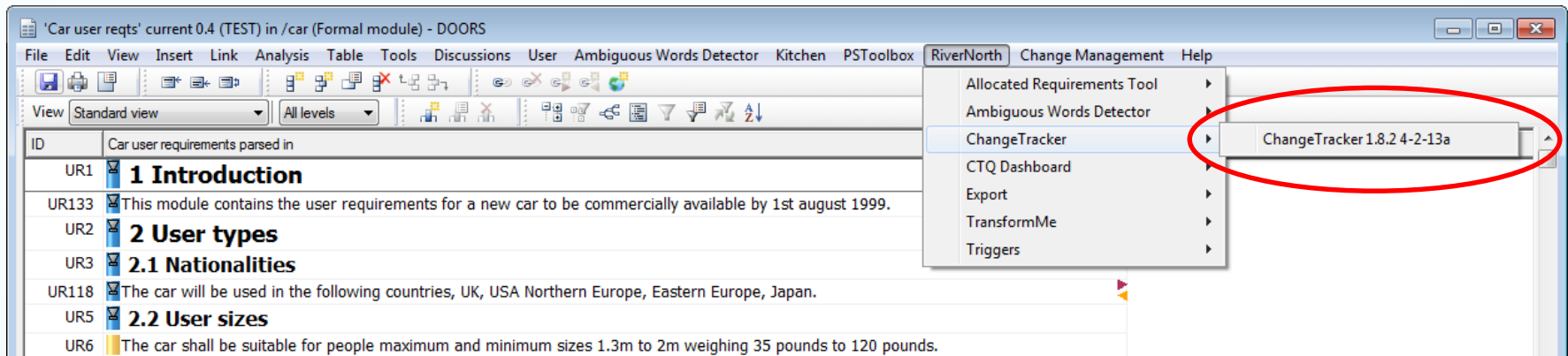
- Enables marked up review of current version compared to selected baseline
- Enhanced version of original developed by Telelogic Professional Services
 - Works with all text and string attribute types
- Designed to be used via a central script repository so all DOORS users can access ChangeTracker™'s features
- ChangeTracker™ features
 - Build dynamic history column for any text, string, or enumerated type DOORS attribute
 - Improved code readability and commenting
 - Enhanced error detection and handling
 - Improved user interaction
 - Autopilot Mode that automatically creates several predefined (and admin-configurable) ChangeTracker™ columns with a single click
 - Capability to detect changes in an object and flag a secondary attribute that a change exists – useful with a Rational Publishing Engine integration that simulates Microsoft Word-style change bars in the left margin

ChangeTracker™ Summary

- Script creates a ChangeTracker™ column
- Column uses rich-text markup to show changes to a user-selected attribute
- Changes are with respect to user-selected baselined version
- Font formatting used to mark up changes in text is user selectable
- ChangeTracker™ column can display content...
 - For only objects that have changes, or
 - For all objects
- Note: Script does not identify changes to fonts or deleted or moved objects as changes

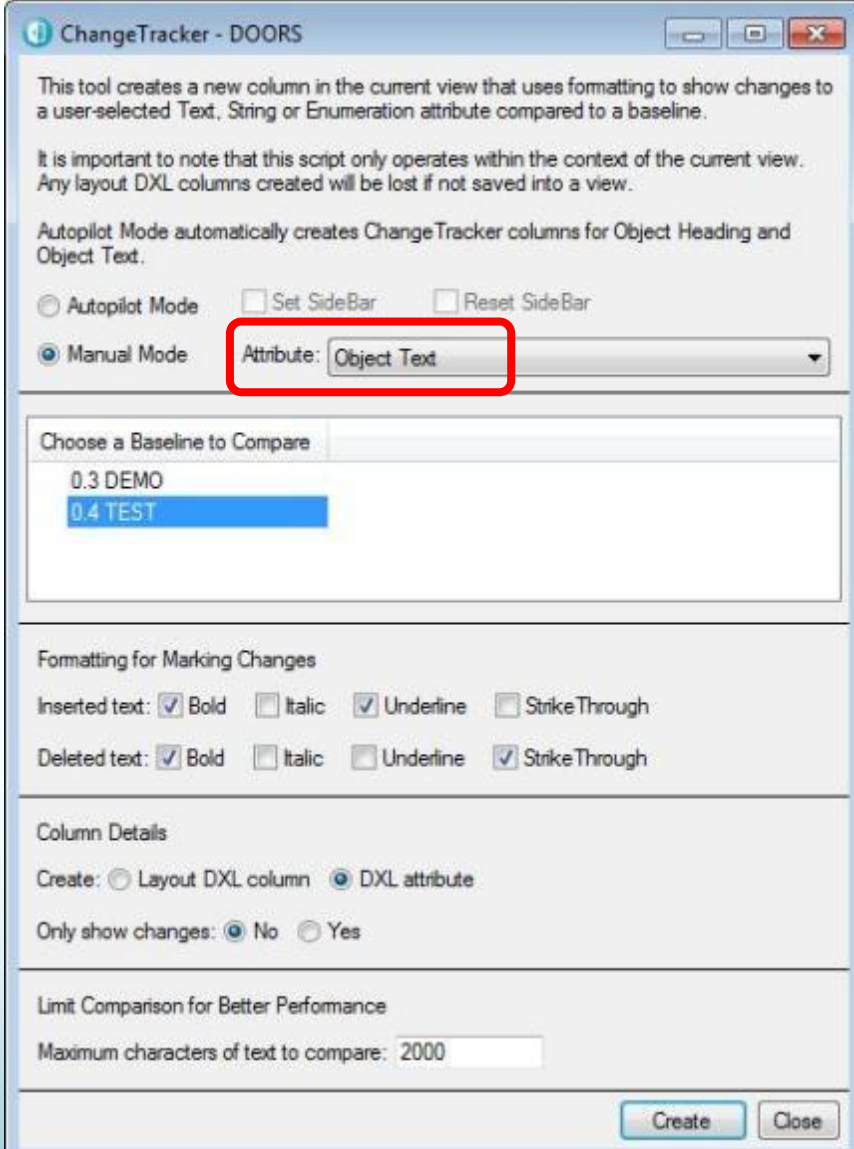
ChangeTracker™ Use Case

- Launch ChangeTracker™ from DOORS module drop-down addins menu



ChangeTracker™ Use Case

- Make selections in user interface
 - Which attribute to compare
 - Which baseline to compare

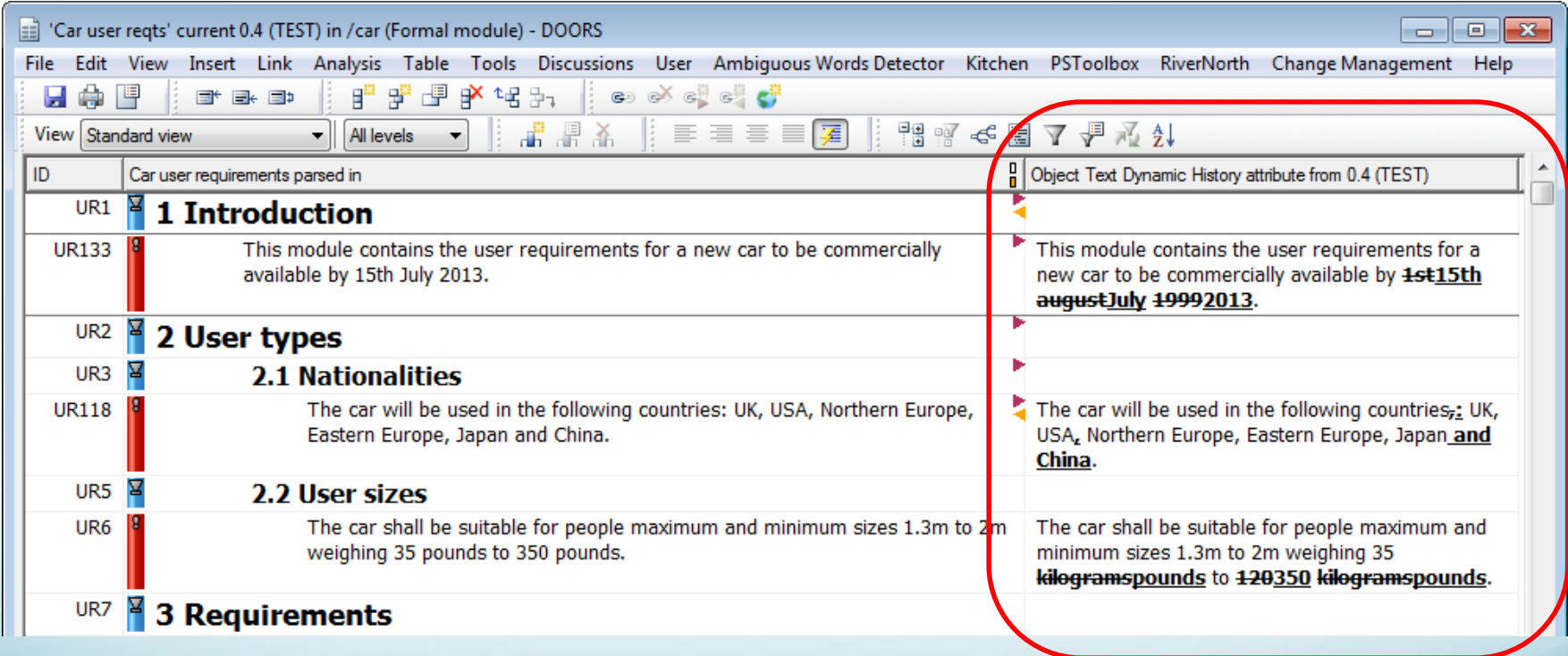


The screenshot shows the 'ChangeTracker - DOORS' application window. It contains several sections for configuring a new column:

- Introduction:** Explains that the tool creates a new column using formatting to show changes compared to a baseline. It notes that the script only operates within the current view and that layout DXL columns will be lost if not saved.
- Autopilot Mode:** A section with three checkboxes: 'Autopilot Mode' (selected), 'Set SideBar', and 'Reset SideBar'.
- Manual Mode:** A section with a radio button for 'Manual Mode' and a dropdown menu for 'Attribute: Object Text'. This dropdown is highlighted with a red rectangle.
- Choose a Baseline to Compare:** A list box showing two baselines: '0.3 DEMO' and '0.4 TEST'. The '0.4 TEST' baseline is highlighted with a blue background.
- Formatting for Marking Changes:** A section with two rows of checkboxes. The first row is for 'Inserted text' (Bold, Italic, Underline, StrikeThrough) and the second row is for 'Deleted text' (Bold, Italic, Underline, StrikeThrough). The 'Bold' and 'StrikeThrough' options are checked in both rows.
- Column Details:** A section with two rows of radio buttons. The first row is for 'Create: Layout DXL column' and 'DXL attribute' (selected). The second row is for 'Only show changes: No' (selected) and 'Yes'.
- Limit Comparison for Better Performance:** A section with a label 'Maximum characters of text to compare:' and a text box containing the value '2000'.
- Buttons:** At the bottom right, there are two buttons: 'Create' and 'Close'.

ChangeTracker™ Use Case

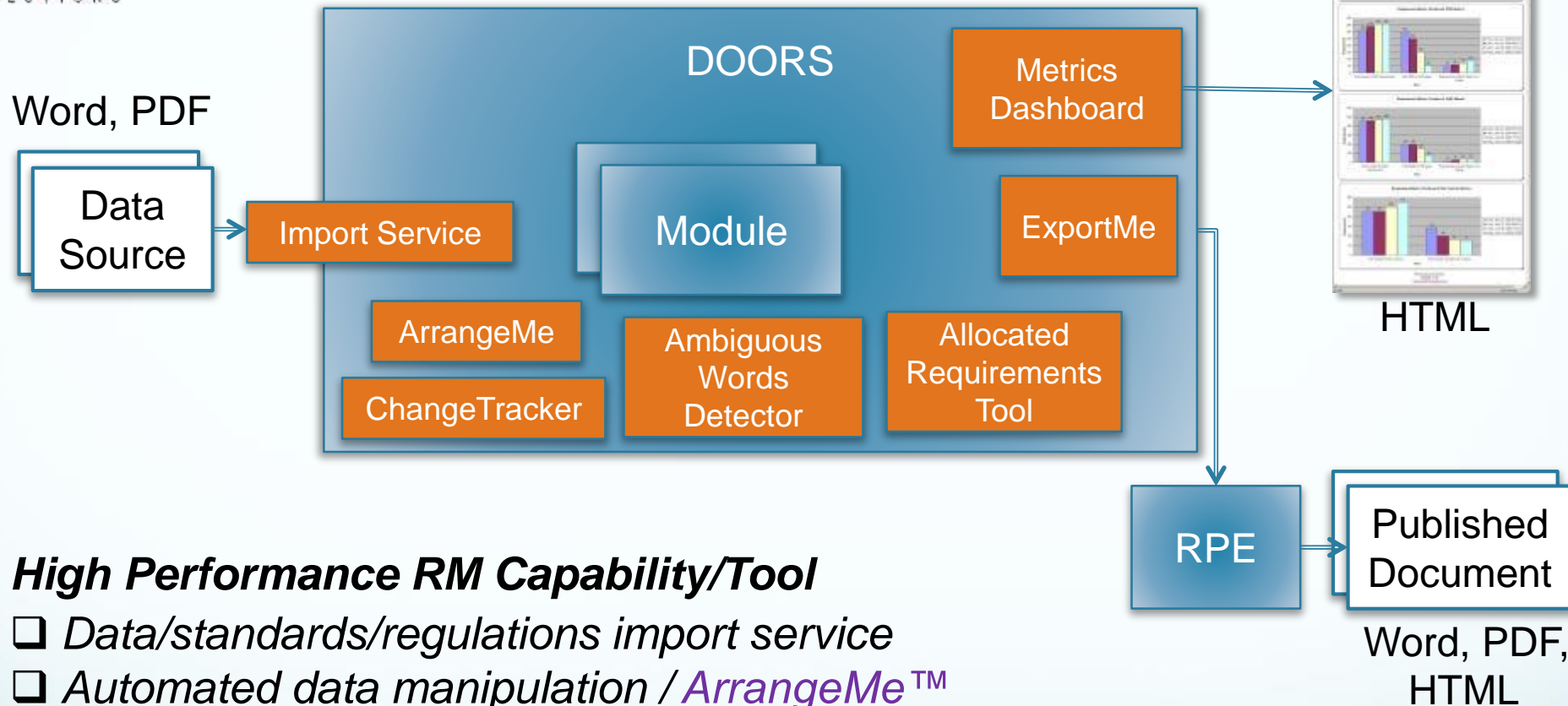
- ChangeTracker™ dynamic history column appears in module displaying changes



The screenshot shows the DOORS software interface with the title bar "'Car user reqts' current 0.4 (TEST) in /car (Formal module) - DOORS". The menu bar includes File, Edit, View, Insert, Link, Analysis, Table, Tools, Discussions, User, Ambiguous Words Detector, Kitchen, PSToolbox, RiverNorth, Change Management, and Help. The toolbar shows various icons for document manipulation and analysis. The main window displays a table of user requirements with columns for ID, description, and a dynamic history column. The dynamic history column is highlighted with a red circle.

ID	Car user requirements parsed in	Object Text Dynamic History attribute from 0.4 (TEST)
UR1	1 Introduction	
UR133	This module contains the user requirements for a new car to be commercially available by 15th July 2013.	This module contains the user requirements for a new car to be commercially available by 1st15th augustJuly 1999 2013.
UR2	2 User types	
UR3	2.1 Nationalities	
UR118	The car will be used in the following countries: UK, USA, Northern Europe, Eastern Europe, Japan and China.	The car will be used in the following countries; UK, USA, Northern Europe, Eastern Europe, Japan <u>and China</u> .
UR5	2.2 User sizes	
UR6	The car shall be suitable for people maximum and minimum sizes 1.3m to 2m weighing 35 pounds to 350 pounds.	The car shall be suitable for people maximum and minimum sizes 1.3m to 2m weighing 35 kilogramspounds to 120350 kilogramspounds .
UR7	3 Requirements	

River North Accelerator Tools for Requirements Management & Document Publishing



High Performance RM Capability/Tool

- ☐ Data/standards/regulations import service
- ☐ Automated data manipulation / ArrangeMe™
- ☐ Boost requirement quality, reduce churn / Ambiguous Words Detector™
- ☐ Automated, simplified, consistent document publishing / ExportMe™
- ☐ Monitor leading indicator trends / Metrics Dashboard™
- ☐ Display revision markup using rich text / ChangeTracker™
- ☐ Reuse requirements / Allocated Requirements Tool™

River North Profile – Industries/Clients*, Products

- Aerospace & Defense
 - Aerojet Rocketdyne
 - Boeing
 - Collins Aerospace
 - Crane Aerospace
 - LMCO-NASA
 - NASA JPL
 - Northrop Grumman
- Energy
 - NuScale Power
 - Sandia National Labs
 - Westinghouse Nuclear
- Automotive
 - Ford Motor Company
 - Honda Motor Company
 - Johnson Controls
- Medical Device
 - Ameda
 - Ascensia Diabetes Care
 - Baxter Healthcare
 - Bayer Healthcare
 - Eli Lilly
 - Hospira
 - J&J Vision
 - Roche Diagnostics
 - St. Jude Medical (Abbott)
- Semiconductor
 - NXP Semiconductors
- Transportation
 - Ansaldo STS
 - Bombardier Transportation
 - GE Transportation
- Telecommunications
 - Comcast
 - Motorola Solutions
- Industrial
 - Chamberlain
 - HP Enterprise Services

DOORS Classic Accelerator Products from River North

- *Ambiguous Words Detector™ (AWD)* – boosts requirement quality by automatically detecting ambiguous words in DOORS
- *ArrangeMe™* – automated DOORS data manipulation/movement
- *Requirement Metrics Dashboard™ (RMD)* – automated metrics production for DOORS
- *ChangeTracker™* – revision markup displayed using rich text in DOORS
- *ExportMe™* – document publishing automation taken to a new level in DOORS
- *Allocated Requirements Tool™ (ART)* – facilitates requirement reuse in DOORS

Contact Information

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* Partial List



ChangeTracker™ For More Information...

- ChangeTracker™ can be customized to suit your organization's needs
- Contact Bob Parro at bparro@rivernorthsolutions.com