ART is an IBM® DOORS® accelerator product from
River North Solutions
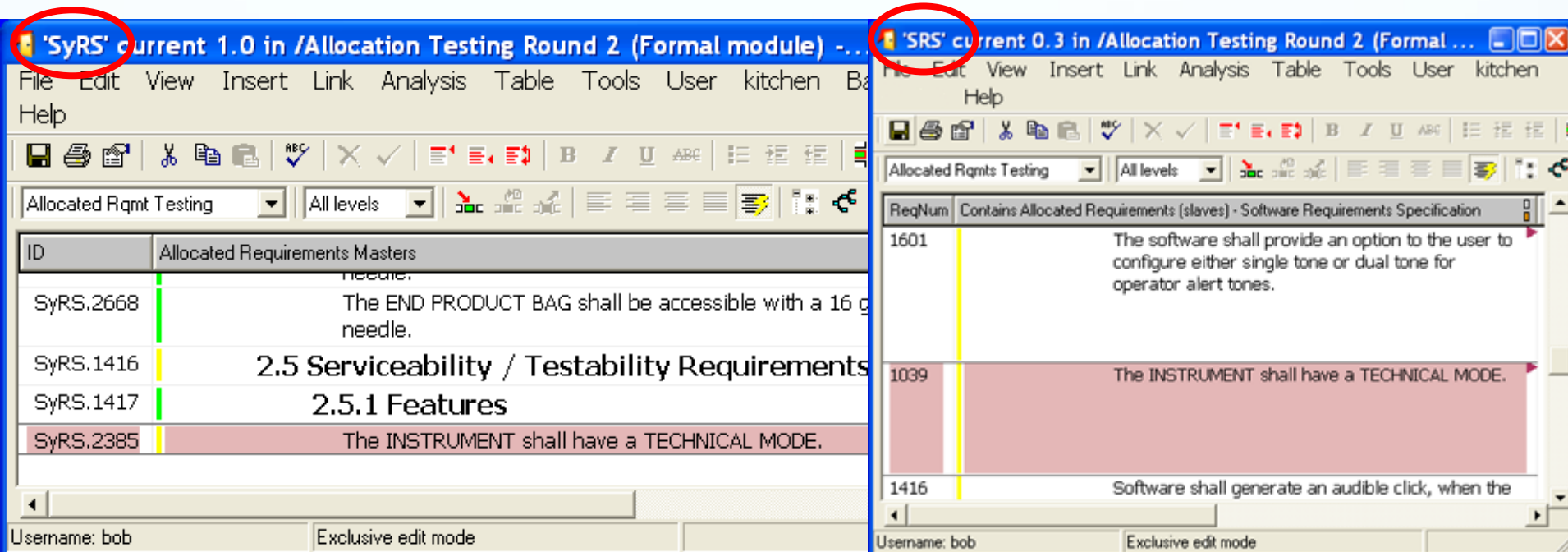

RIVER NORTH
S O L U T I O N S

Allocated Requirements Tool™ (ART) for DOORS

v2.2

ART automates synchronization of reused requirements

'Allocated Requirements' Definition

- Same requirement used in two or more places
  - E.g. Software requirement same as System requirement
- Want one instance of requirement in database (master), displayed in more than one location (slaves)

Allocated Requirements Tool™ (ART) Features

- Allocates one 'master' requirement to one or more 'slave' locations – respects rich text & OLE objects

- Updates slave requirement(s) automatically
    - When module opens
    - When 'Allocated' attribute transitions to TRUE

- Prompts user to confirm overwriting of existing requirement text when creating Allocated Requirement, if applicable

- Prohibits modifying Allocated Requirements (slaves)

- Allows manual updating of all Allocated Requirements within a module with a 'single' click

ART Operation

- Example starting state
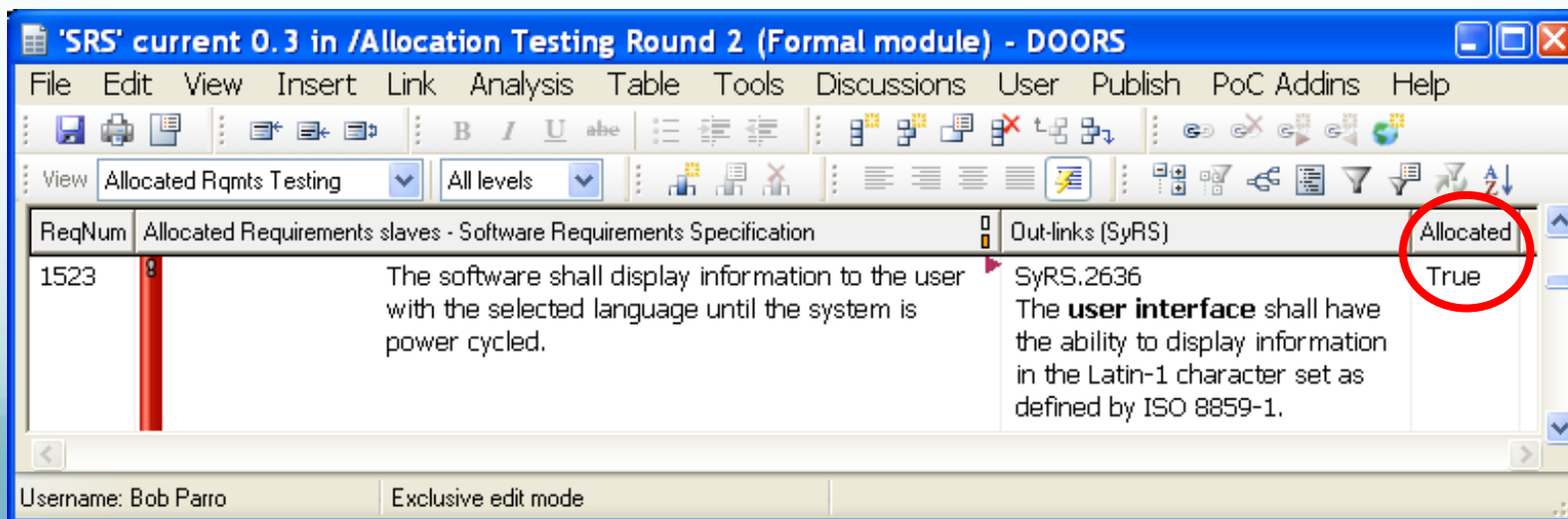 - Existing requirement with outgoing link
  - Want to reuse different requirement here
  - Link points to requirement user desires to reuse
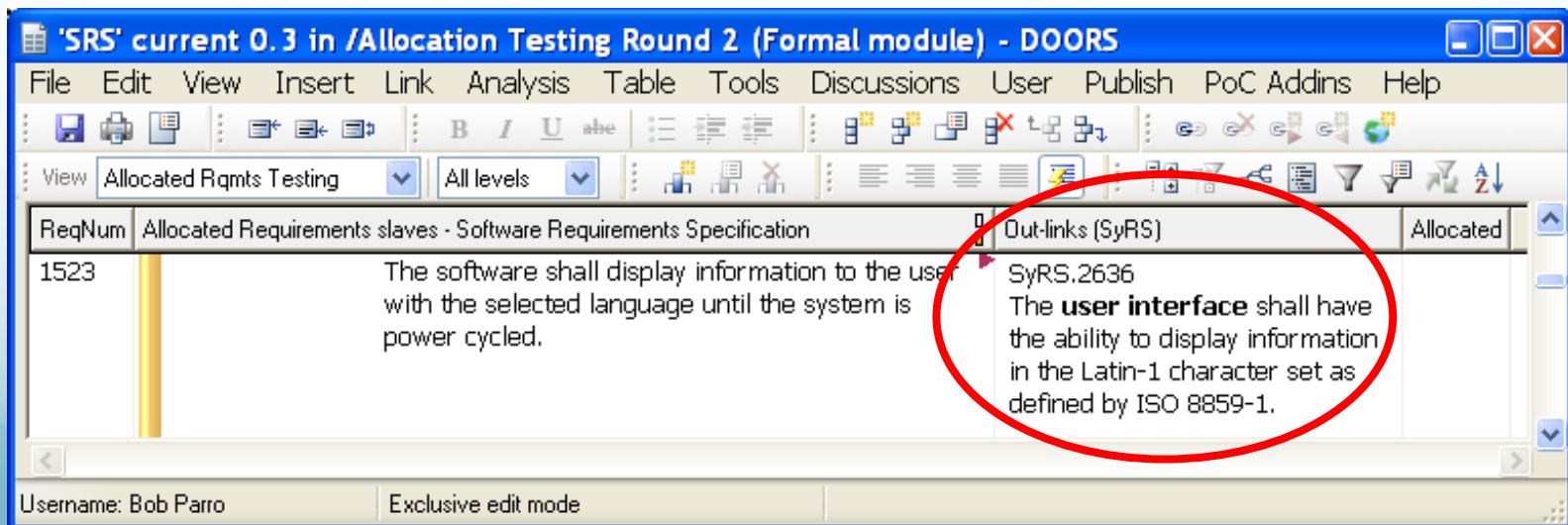
ART Operation

- When 'Allocated' is set to True on object with outgoing link

- Designates current object as a duplicate or slave object to master object pointed to by outgoing link

ART Operation

- When 'Allocated' is set to True on object with outgoing link

- Designates current object as a duplicate or slave object to master object pointed to by outgoing link

- **ART requests confirmation since current object text is about to be replaced**

'SRS' current 0.3 in /Allocation Testing Round 2 (Formal module) - DOORS

File   Edit   View   Ir

View Allocated Rqmts Te

ReqNum	Allocated Requi
1523	

DOORS

In setting attribute 'Allocated' to 'True', the current Object Text will be overwritten by a higher level requirement.

Are you sure?

Confirm   Cancel

power cycled.

the ability to display information in the Latin-1 character set as defined by ISO 8859-1.

Username: Bob Parro   Exclusive edit mode

ART Operation

- When 'Allocated' is set to True on object with outgoing link

- Designates current object as a duplicate or slave object to master object pointed to by outgoing link
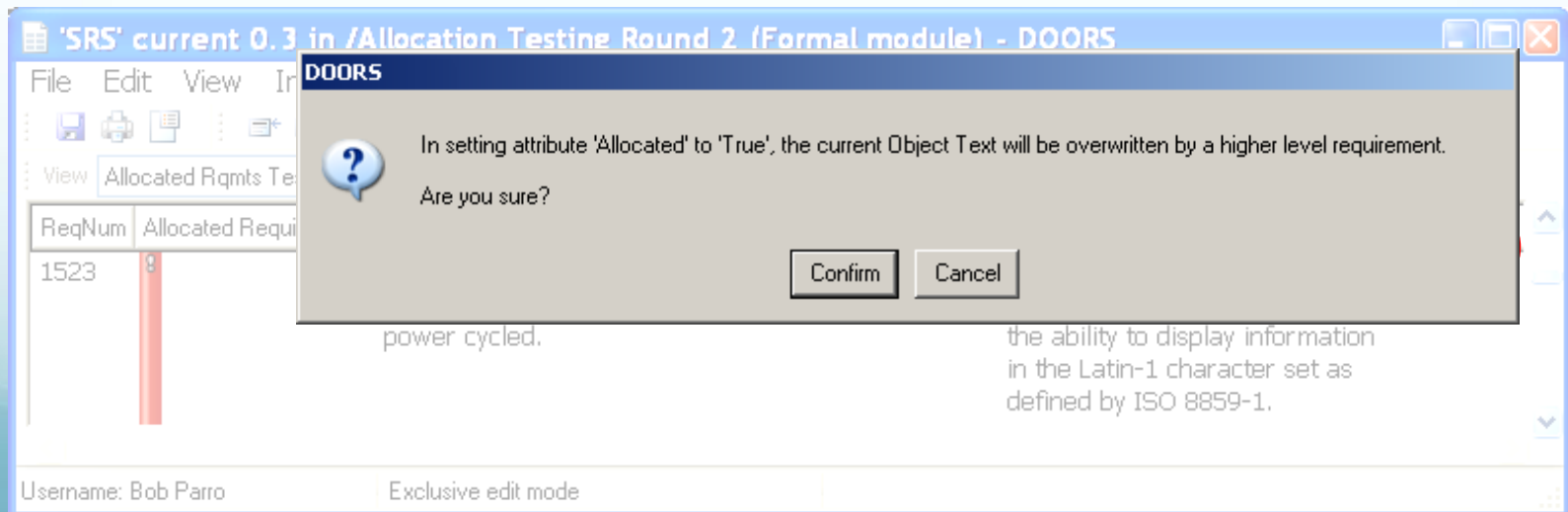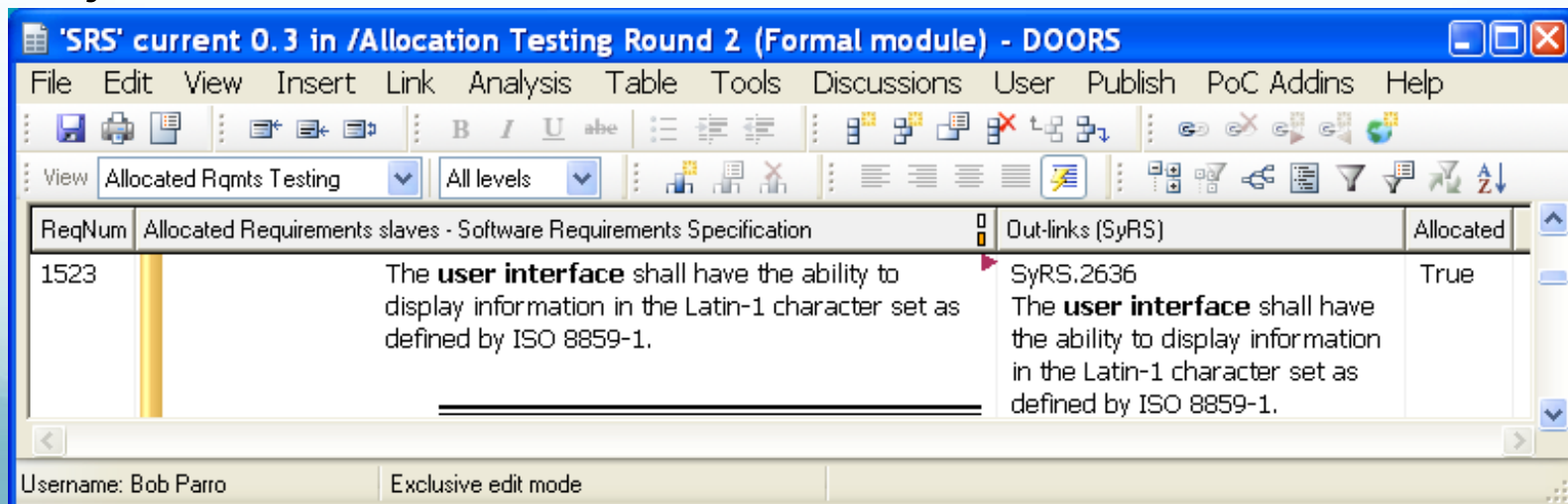
- ART requests confirmation since current object text is about to be replaced

- **Object text replaced with object text of outgoing-linked object**

ART Operation

- ## If try to modify slave Allocated Requirement (in this case, turn selection bold)
  - ### Dialog displays message explaining edit was denied
  - ### To modify requirement must transition Allocated attribute away from 'True'

ART Operation

- If have object with object text, but no out-link, and try to turn into Allocated Requirement (i.e. set "Allocated" = True)

ART Operation

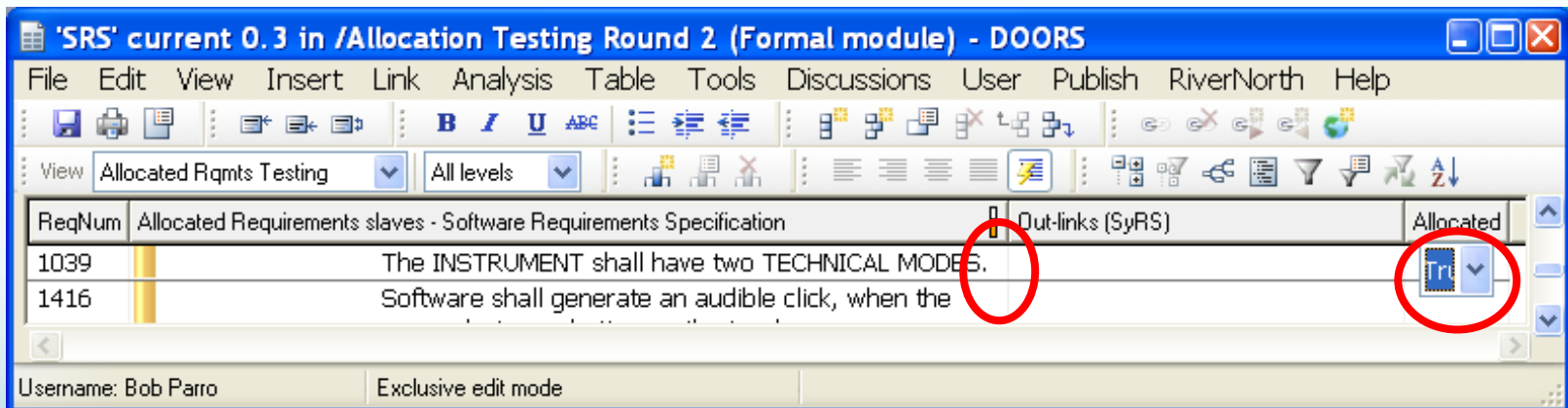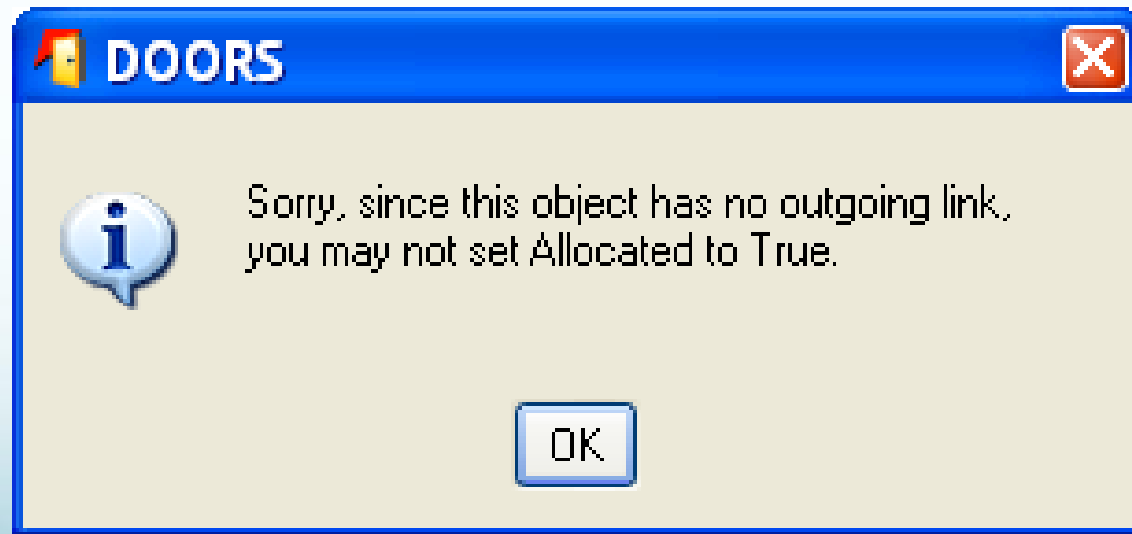- If have object with object text, but no out-link, and try to turn into Allocated Requirement
  (i.e. set "Allocated" = True)
  - Get message indicating cannot set Allocated to True – no out-link

ART Operation

- "Update Allocated Rqmts" compares object text at both ends of link (for all Allocated Requirements in module)
  - If slave different than master, slave is overwritten, affecting change history

- When are slave Allocated Requirements updated?

1. Upon slave module open, all Allocated Requirements are updated
2. Upon "Allocated" attribute transition to "True"
3. Manual – Update Allocated Rqmts menu selection – all objects with "Allocated" = True
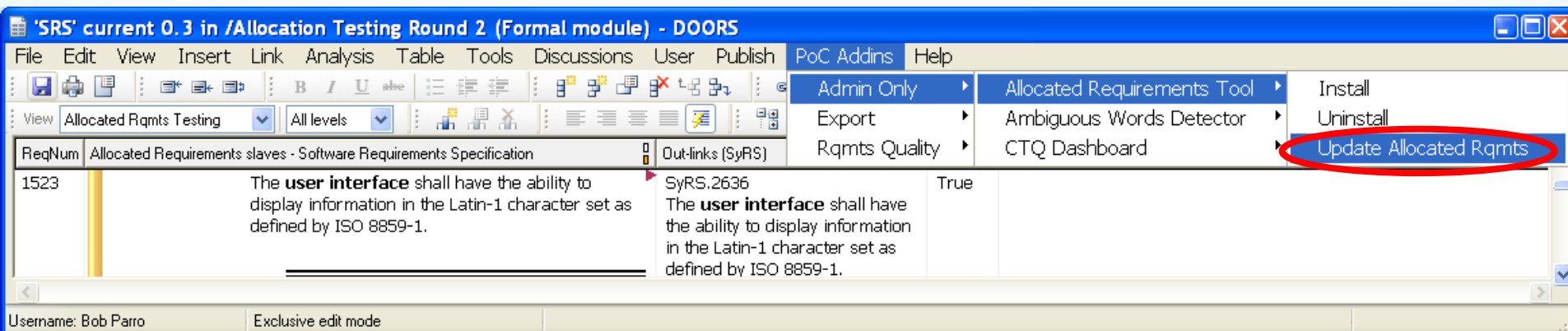
River North Accelerator Tools for Requirements Management & Document Publishing

DOORS

Word, PDF

Data Source → Import Service

Module

Metrics Dashboard

ExportMe

ArrangeMe

ChangeTracker

Ambiguous Words Detector

Allocated Requirements Tool

HTML

RPE → Published Document

Word, PDF, HTML
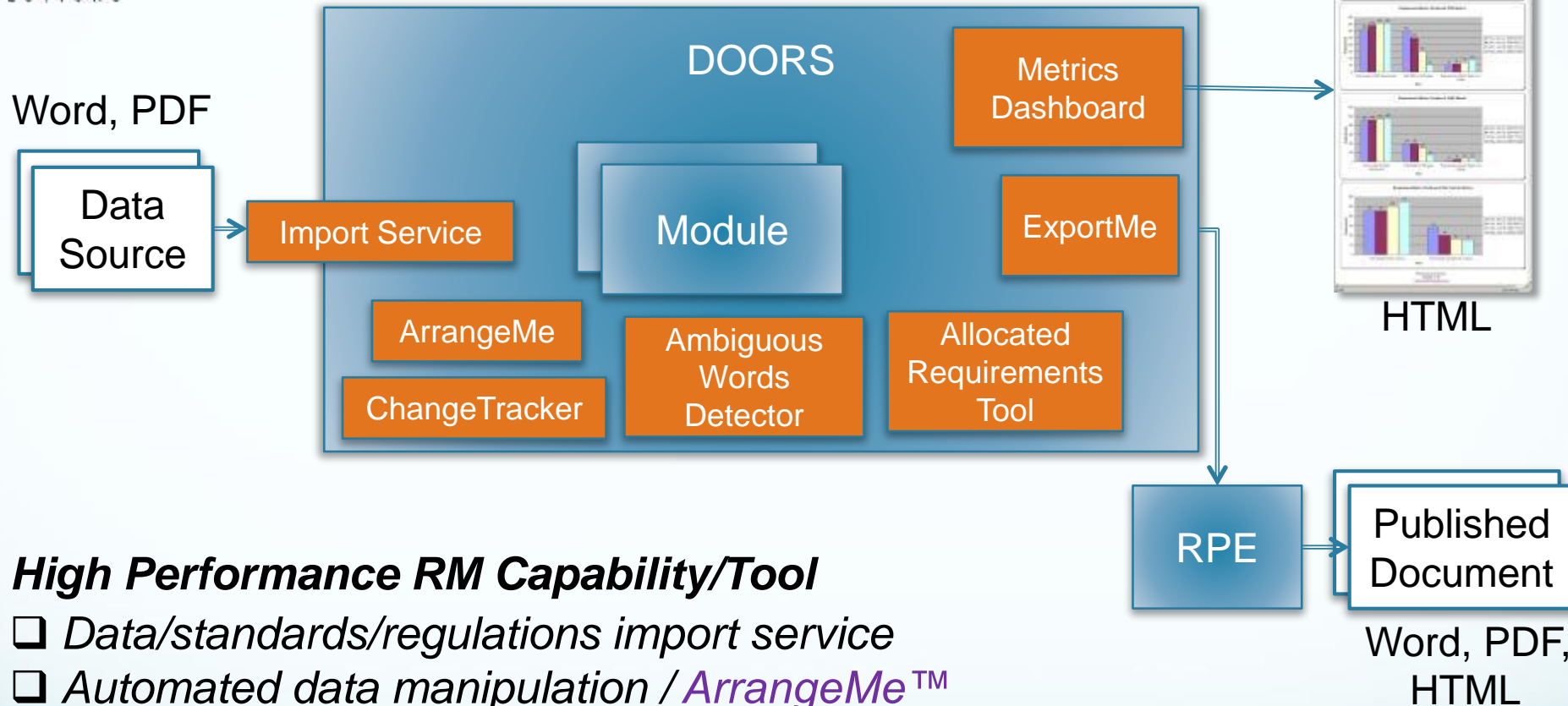
High Performance RM Capability/Tool

❑ *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

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Advanced Business Partner IBM

* Partial List

For More Information…

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