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



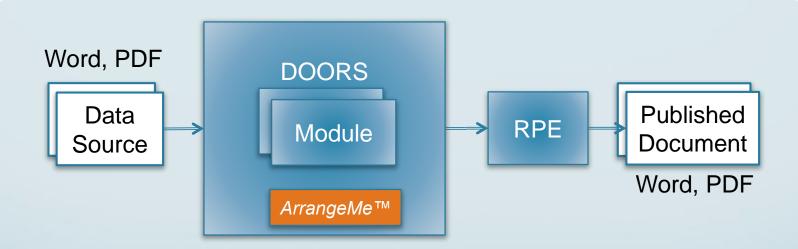
# ArrangeMe™ Tool for DOORS

ArrangeMe™ automates data manipulation, movement and modifications



## What is *ArrangeMe*™?

Typical
use case
for source
data
User
imports
data into
DOORS
User
manipulates
data in
DOORS



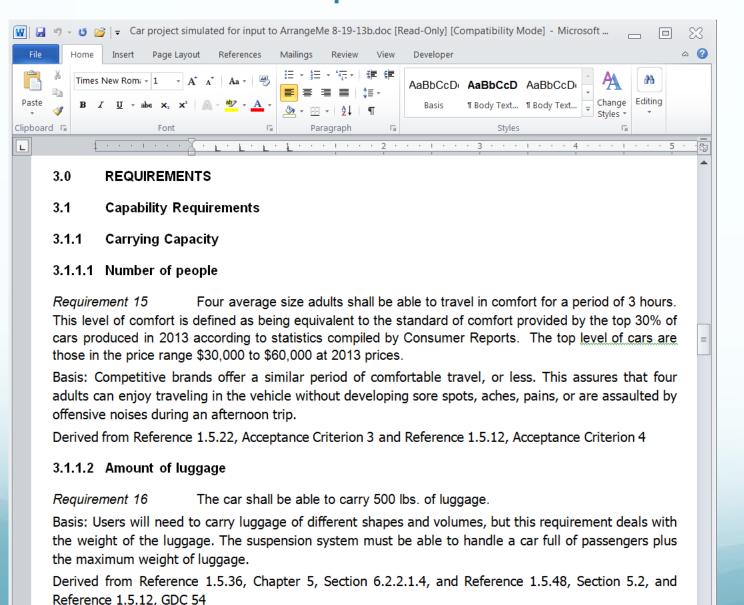
ArrangeMe™ automates the typically labor intensive effort of moving data around in DOORS after import



Requirement 17

### Accelerate Requirements Management

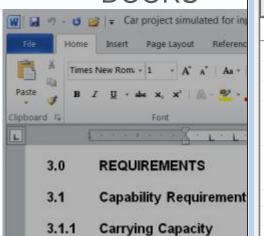
### Data Manipulation - Source Data in Word



I lisers shall be able to carry a single piece of luggage of size 4 ft, by 1.3 ft, by 1.3



Word data transferred into DOORS



### 3.1.1.1 Number of people

Requirement 15 This level of comfort is defined as cars produced in 2013 according those in the price range \$30,000 t

Basis: Competitive brands offer adults can enjoy traveling in the offensive noises during an afterno Usemame: Bob Parro 3

---Car user regts - Static ArrangeMe demo' current 0.4 (TEST) in /Sandbox (Formal module) - DOORS File Edit View Insert Link Analysis Table Tools Discussions User Publish Ambiguous Words Detector Kitchen PSToolbox RiverNorth Change Management Help ₽ № 48 ₽4 🔛 🦾 📮 **■** • ■ □ View Default 캠 평 ← 를 ▼ ₹ ¾ ↓ All levels ID Car user requirements parsed in UR7 3 Requirements UR8 3.1 Capability Requirements 3.1.1 Carrying Capacity UR9 3.1.1.1 Number of people UR10 Four average size adults shall be able to travel in comfort for a period of 3 hours. This level of comfort is defined as being UR12 equivalent to the standard of comfort provided by the top 30% of cars produced in 2013 according to statistics compiled by Consumer Reports. The top level of cars are those in the price range \$30,000 to \$60,000 at 2013 prices. UR312 Basis: Competitive brands offer a similar period of comfortable travel, or less. This assures that four adults can enjoy traveling in the vehicle without developing sore spots, aches, pains, or are assaulted by offensive noises during an afternoon trip. UR313 Derived from Reference 1.5.22, Acceptance Criterion 3 and Reference 1.5.12, Acceptance Criterion 4 UR18 3.1.1.2 Amount of luggage UR19 The car shall be able to carry 500 lbs. of luggage. Basis: Users will need to carry luggage of different shapes and volumes, but this requirement deals with the weight of the UR314 luggage. The suspension system must be able to handle a car full of passengers plus the maximum weight of luggage.

Derived from Reference 1.5.36, Chapter 5, Section 6.2.2.1.4, and Reference 1.5.48, Section 5.2, and Reference 1.5.12, GDC

Users shall be able to carry a single piece of luggage of size 4 ft. by 1.3 ft. by 1.3 ft. totally within the car. UR20

Basis: Users will need to be able to fit various smaller pieces of luggage into the vehicle, but this requirement deals with the UR316 largest dimensions of a single piece of luggage that must fit in the vehicle. This requirement enables the vehicle to handle a large box from an electronics store, a moving box, or large suitcase.

Derived from Reference 1.5.12, GDC 55

I leare shall be able to carry a single piece of luggage of size Aft by 1.3 ft by 1.3

Exclusive edit mode

#### 3.1.1.2 Amount of luggage

Permirement 17

Requirement 16 The car shall be able to carry 500 lbs. of luggage.

UR318

UR317

Four aver

Basis: Users will need to carry luggage of different shapes and volumes, but this requirement deals with the weight of the luggage. The suspension system must be able to handle a car full of passengers plus the maximum weight of luggage.

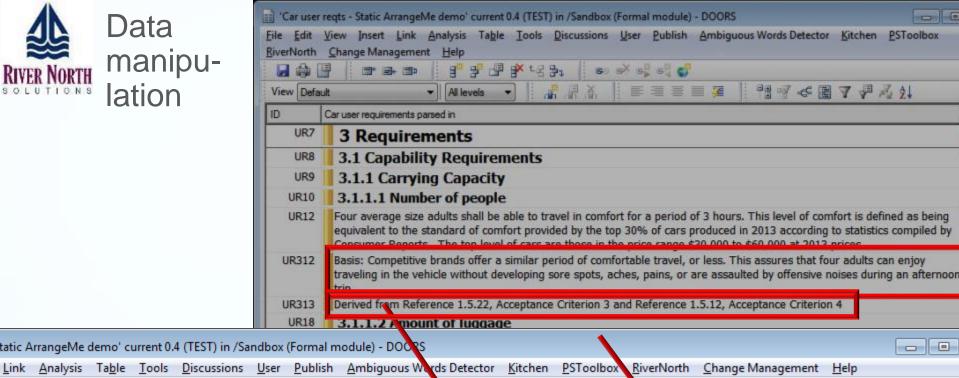
Derived from Reference 1.5.22, Acceptance Criterion 3 and Reference 1.5.12, Acceptance Criterion 4

Derived from Reference 1.5.36, Chapter 5, Section 6.2.2.1.4, and Reference 1.5.48, Section 5.2, and Reference 1.5.12, GDC 54

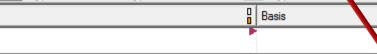
2021



Data manipulation



Analysis Table Tools Discussions Link e∍ e> e e e e 



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### 3.1.1 Carrying Capacity

1 Capability Requirements

All levels

nents parsed in

iirements

#### 3.1.1.1 Number of people

Four average size adults shall be able to travel in comfort for a period of 3 hours. This level of comfort is defined as being equivalent to the standard of comfort provided by the top 30% of cars produced in 2013 according to statistics compiled by Consumer Reports. The top level of cars are those in the price range

#### \$30,000 to \$60,000 at 2013 prices. 3.1.1.2 Amount of luggage

The car shall be able to carry 500 lbs. of luggage.

Competitive brands offer a similar period of comfortable travel, or less. This assures that four adults can enjoy traveling in the vehicle without developing sore spots, aches, pains, or are assaulted by offensive noises during an afternoon trip.

■ 7 7 2

Derived from Reference 1.5.22. Acceptance Criterion 3 and Reference 1.5.12, Acceptance Criterion 4

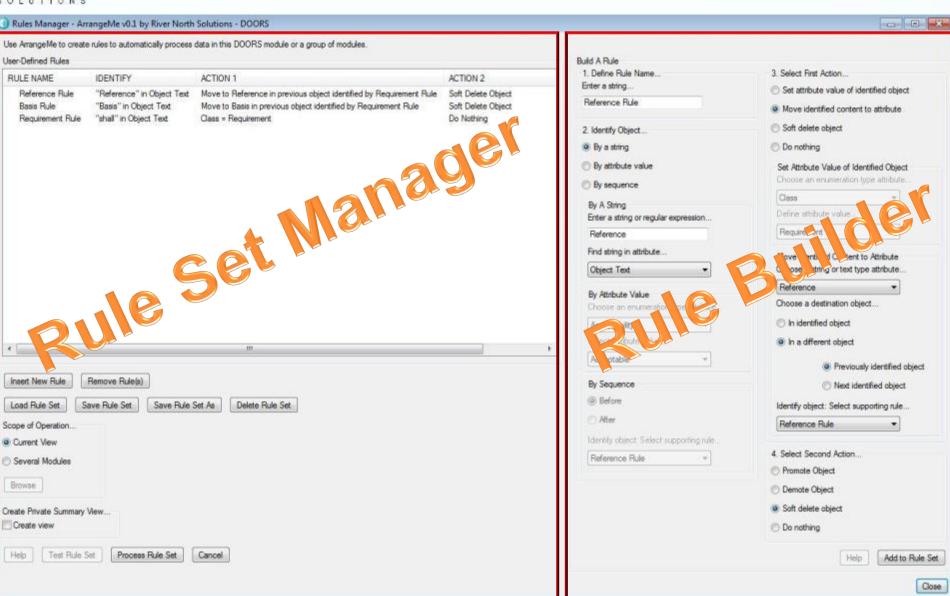
Reference

Users will need to carry luggage of different shapes and

Derived from Reference 1.5.36, Chapter volumes, but this requirement deals with the weight of 5, Section 6.2.2.1.4, and Reference

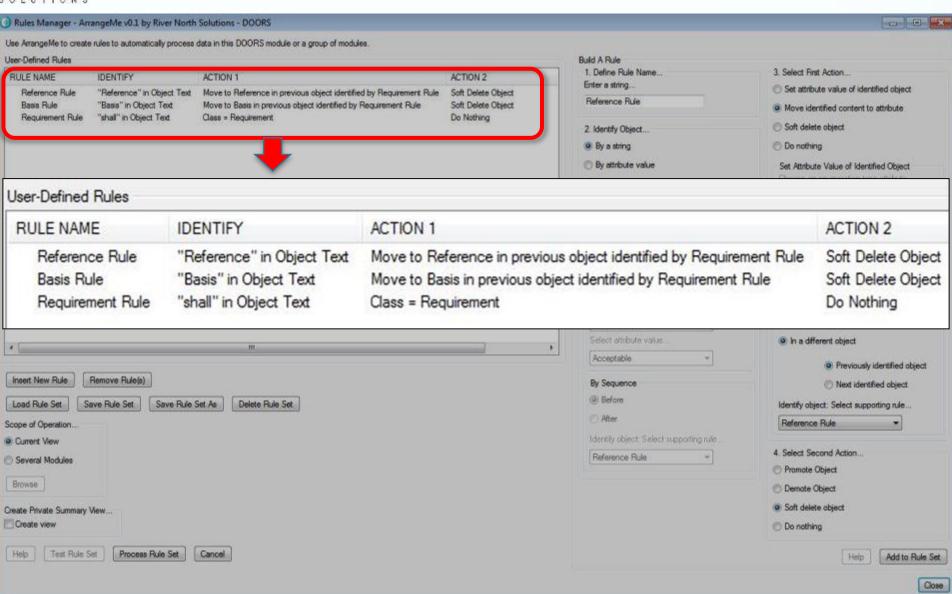


### *ArrangeMe*™ Rule Manager



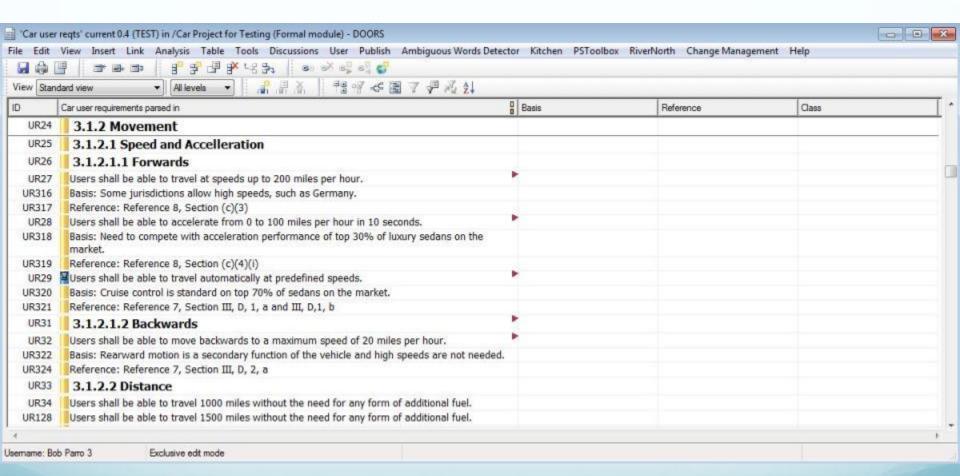


# ArrangeMe™ Rule Manager



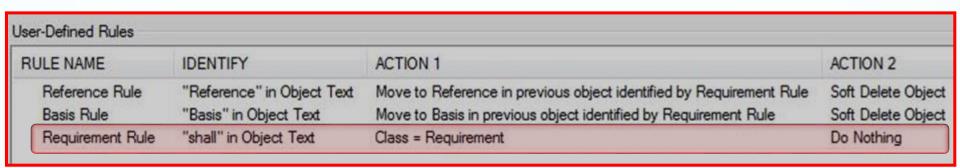


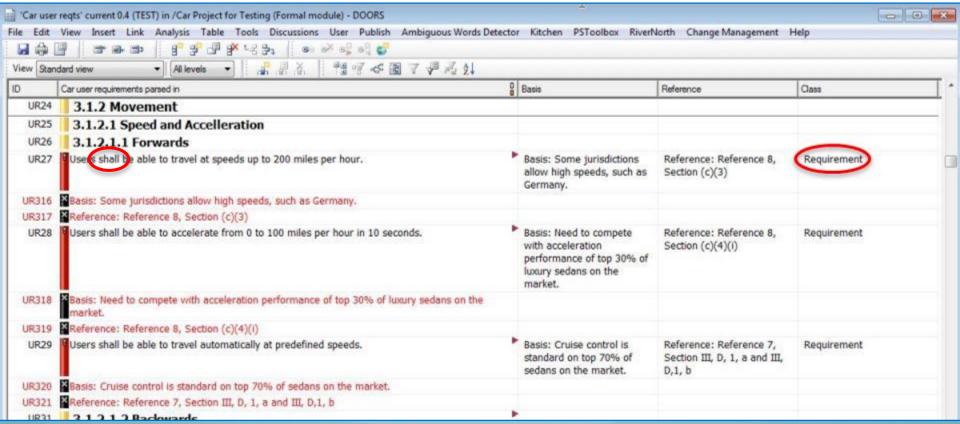
## Before *ArrangeMe™* Execution





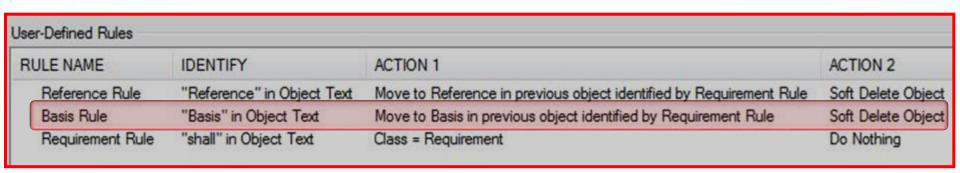
### ArrangeMe™ – Rule Set Execution

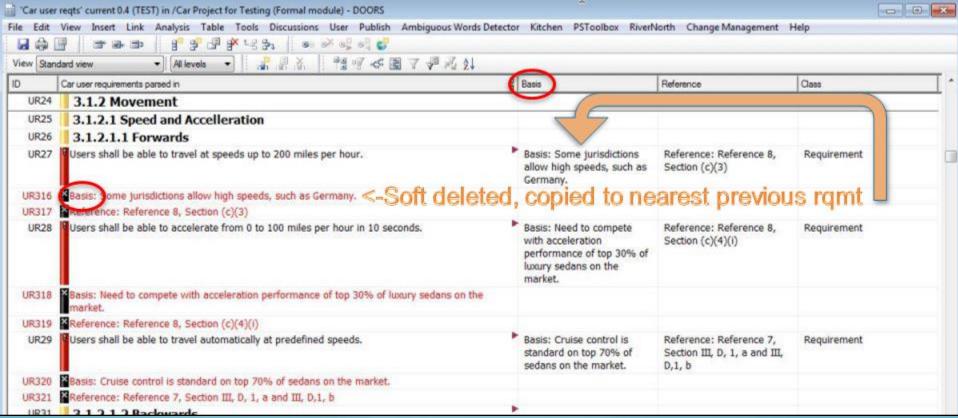






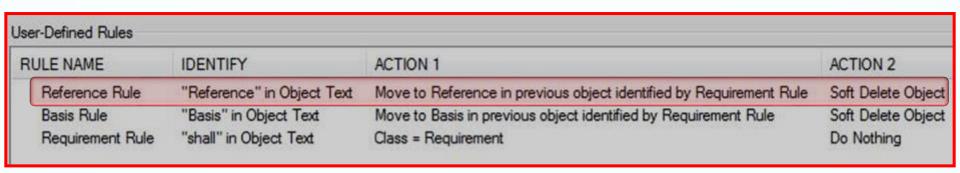
### ArrangeMe™ – Rule Set Execution

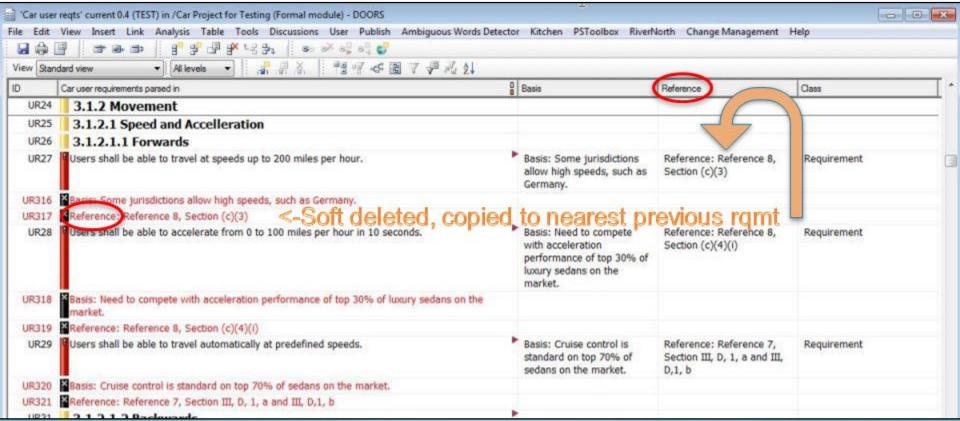






### ArrangeMe™ – Rule Set Execution







### Automated Data Manipulation in DOORS

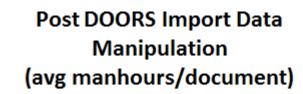
*ArrangeMe*™ Workflow

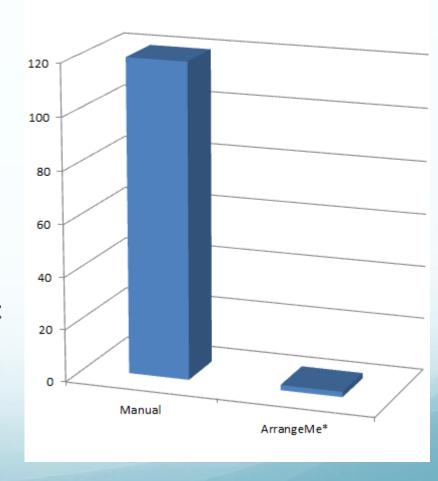
- User defines patterns in data
  - e.g. 'Shall'
  - Key words such as Rationale, Exception, Reference
- User defines 'rules' = user-defined automation behavior
  - Move Rationale statement to attribute 'Rationale' in nearest requirement, soft delete original object containing Rationale
  - Move Exception statement to attribute 'Exception' in nearest requirement, soft delete original object containing Exception
- User processes Rule Set in ArrangeMe™
- ArrangeMe™ optionally reports on activities performed
  - View created showing actions performed

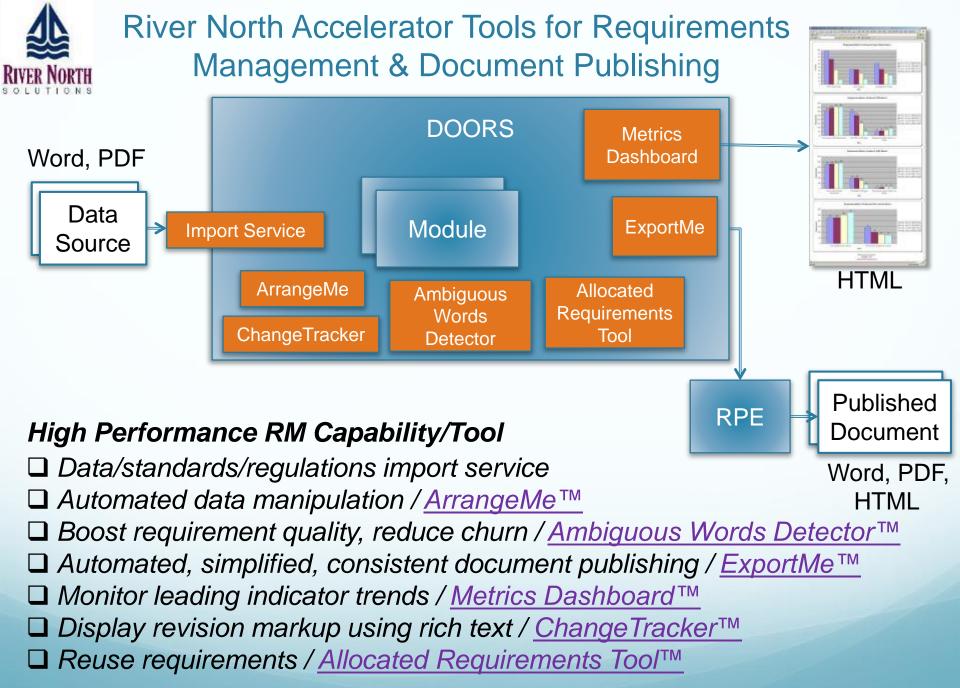
Data manipulation scope can be current view or multiple modules

### ArrangeMe™ Value Proposition

- Fortune 150 company
  - Thousands of documents
  - Many hundreds of pages per document
  - Import/data manipulation in DOORS
    - Typical manual effort ->
       Avg 3 weeks/document
    - Using ArrangeMe<sup>™</sup>
       -> avg 2 hours/document









### 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
- <u>ArrangeMe™</u> automated DOORS data manipulation/movement
- <u>Requirement Metrics Dashboard™ (RMD)</u> automated metrics production for DOORS
- <u>ChangeTracker™</u> 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**

www.rivernorthsolutions.com info@rivernorthsolutions.com



\* Partial List

### For More Information...

- ArrangeMe™ can be customized to suit your organization's needs
- Contact Bob Parro at <u>bparro@rivernorthsolutions.com</u>