Ambiguous Words Detector™ is an IBM® Rational® DOORS® accelerator product, part of the Smarter Solutions product line from River North Solutions

Ambiguous Words Detector™ Tool for DOORS

Automatic detection of ambiguous words in requirements
Ambiguous Words Detector (AWD)

- Automatically detects usage of ambiguous words in requirements
- Blends into your DOORS schema
  - Recognizes requirements from attribute/enumerated value used in your schema to define object as requirement
- Ambiguous words search list contained in DOORS module
  - No coding required to modify list
Accelerate Requirements Management

Requirement Author Use Case

- Detected Ambiguous Words listed in “Ambiguous Words” column
- Requirement author must analyze requirements to
  - (a) remediate Ambiguous Words or
  - (b) designate listed Ambiguous Word(s) as legitimate (AW OK = True)
Accelerate Requirements Management

Ambiguous Words Search List MODULE

- DOORS module-based
- Enterprise scope
- Easy to modify
- Easy to maintain
- Best practice: CCB approval to add/modify/delete words
Accelerate Requirements Management

AWD Value Proposition

Requirements Rework
- Errors late detected in the Maintenance Phase can cost up to 200 times more than detected early in Requirement Analysis phase.
- More than 40% of development budget can be consumed by poor requirements.

Project Delays
- Being late to market by 6 months or more will cost organizations 33% of the 5-year ROI.

Ambiguous Words Detector
- Avoid defects from ambiguities by remediating at point of insertion using AWD.

Requirements issues drive excessive rework, delays, poor quality, and project failures.

Time not spent in requirements is time spent in rework (at cost x200)

Stage in which Requirements Error Is Discovered

“Our research indicates 80-plus percent of development failures result directly from poor requirements gathering, management, and analysis.”

IDC, November 2007

**High Performance RM Capability/Tool**

- Data/standards/regulations import service
- Automated data manipulation / **ArrangeMe**
- Boost requirement quality, reduce churn / **Ambiguous Words Detector**
- Parallel stream development / **BranchManager for DOORS**
- Automated, simplified, consistent document publishing / **ExportMe**
- Reduced tool footprint & licenses / **Web Publisher**
- Monitor leading indicator trends / **Requirement Metrics Dashboard**
Industry/Client Experience (partial)
- Transportation
  - Ansaldo STS
  - Bombardier Transportation
  - GE Transportation
- Automotive
  - Ford Motor Company
- Aerospace & Defense
  - Aerojet Rocketdyne
  - Crane Aerospace
  - Northrop Grumman
  - NASA JPL
  - LMCO-NASA
- Energy
  - NuScale Power
  - Westinghouse Nuclear
- Medical Device
  - Baxter Healthcare
  - Bayer Healthcare
  - Eli Lilly
  - Hospira
  - Roche Diagnostics
  - St. Jude Medical
- Telecommunications
  - Comcast
- Industrial
  - Chamberlain
  - HP Enterprise Services

Professional Society Leadership
INCOSE
- Chicagoland Chapter President
- Risk Management WG Co-Chair
- Midwest Biomedical Healthcare WG
IEEE
- Board of Directors

IBM Software Expertise
Requirements Management
- Rational DOORS
- Rational DOORS Next Generation
- Rational Requisite Pro

Collaborative Lifecycle Management
- Rational Team Concert (RTC)
- Rational Quality Manager (RQM)
- Jazz platform

Document Publishing
- Rational Publishing Engine (RPE)

Modeling
- Rhapsody (Systems & Software)
- Design Manager (DM)
- Rational Systems Architect (EA)
- Rational Software Architect (IT)

Product/Portfolio Management
- Rational Focal Point

Training
- All above IBM products
- MBSE – SysML/UML languages, plans, methods, and tools

Key River North Smarter Solutions
- Data input and manipulation automation
- Requirements quality and churn reduction automation
- Product variant productivity
- Process automation
- Data/document publishing automation
- Metrics

Staff Augmentation
- Systems engineers

Contact Information
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River North Profile

Advanced Business Partner

Products
- Ambiguous Words Detector™ (AWD)
- ArrangeMe™ – DOORS data manipulation
- Requirement Metrics Dashboard™ (RMD)
- ChangeTracker™ – revision rich text markup
- ExportMe™ – automated doc publishing
- Allocated Requirements Tool™ (ART)
Ambiguous Words Detector™ can be customized to suit your organization’s needs

Contact Bob Parro at bparro@rivernorthsolutions.com