

Release Notes for December 7, 2017, Umler System Release

The Thursday, December 7, 2017, Umler system release includes functional enhancements to Umler and Component Tracking which includes docket implementation work as directed by the Umler Committee directed work to implement new elements, element changes/updates, as well as modifications to permissible values and business rules within the application.

Below are the complete details of this release.

- **Business Rule Updates - New Rules/Rule Changes or Updated/Removed Rules**
 - Operating Brakes (A182)
 - Equipment Group Change: include VFLT
 - Qual for Inc GRL (B344)
 - Equipment Group(s) Change: BOXC, GOND, HOPP, MISC, TANK, FLAT, IFLT, VFLT
 - Rule Change: System generation of “Y” or “N” based on Single Length Loading Config (B288) provided.
 - Slack Adjuster Group (B538)
 - Equipment Group(s) Change: BOXC, GOND, HOPP, MISC, TANK, FLAT, IFLT, VFLT
 - New Rules:
 - 1 - New Rule: If Slack Adjuster Group is reported as “1” then Brake Cylinder Mount Type (B540) must be reported as “T”
 - 2 - New Rule: If Slack Adjuster Group is “1” or “2”, then Slack Adjuster CID (B359) must not be reported.
 - Note: Permissible value of “1 - Internal” identifies special truck mounted internal slack adjuster within brake cylinder.
 - Loaded Net Braking Ratio (B551)
 - Equipment Group(s) Change: BOXC, GOND, HOPP, MISC, TANK, FLAT, IFLT, VFLT
 - New Rules:
 - If Built Date (BLDT) or Rebuilt Date (RBDT) is less than 1/1/1972, then Loaded Net Braking Ratio will be set to blank.
 - If Built Date (BLDT) or Rebuilt Date (RBDT) is greater than or equal to 1/1/2004, or if Equipment Type Code (UMET) begins with “Q” or “S”, then Loaded Net Braking Ratio is 11.0%.
 - For all other equipment, Loaded Net Braking Ratio is 8.5%.
 - Owner-Provided Loaded Net Braking Ratio (B552)
 - Equipment Group(s) Change: BOXC, GOND, HOPP, MISC, TANK, FLAT, IFLT, VFLT
 - New Rules:

- Owner may enter a documented alternative minimum loaded net braking ratio in this field that is greater than the system calculated Loaded Net Braking Ratio (B551).
 - When reported, the Owner-Provided Loaded Net Braking Ratio will be used in PTC stopping distance calculations.
 - A change in value for the following elements will cause the Owner-Provided Loaded Net Braking Ratio to reset to blank:
 - Rebuilt Date (RBDT)
 - Gross Rail Load/Weight (A266)
 - Equipment Type Code (UMET)
 - Empty/Load Device Eqpd (B075)
 - Qual for Inc GRL (B554)
 - Equipment Group(s) Change: BOXC, GOND, HOPP, MISC, TANK, FLAT, IFLT, VFLT
 - Rule Change:
 - 4-axle equipment having Qualification for Increased Gross Rail Load of 2 or 3 must have a Journal Size (A147) of F or K
- **Element Updates - New Elements/Element Changes or Updated/Removed Elements**
 - Vehicle/Track Interaction Equipped (B550)*
 - Equipment Group(s): LOCO
 - Element Description: Identifies if locomotive is equipped with Vehicle/Track Interaction (VTI) Monitor
 - Permissible Values:
 - S - Standard GPS System
 - E - Enhanced System (Extra Sensors or DGPS Antenna)
 - Presentation Group: Feature
 - Loaded Net Braking Ratio (B551)*
 - Equipment Group(s): BOXC, GOND, HOPP, MISC, TANK, FLAT, IFLT, VFLT
 - Element Description: Indicates calculated minimum loaded net braking ratio per AAR Specifications in place on built or rebuilt date (in percent). System Generated Field. This element is not eligible for input.
 - Permissible Values:
 - 11.0
 - 8.5
 - Presentation Group: Train Service
 - Owner-Provided Loaded Net Braking Ratio (B552)*
 - Equipment Group(s): BOXC, GOND, HOPP, MISC, TANK, FLAT, IFLT, VFLT
 - Element Description: Indicates an alternate minimum loaded net braking ratio provided by owner (in percent)
 - Range of Values:
 - Minimum - 8.5

- Maximum - 14.0
 - Presentation Group: Train Service
- Empty Braking Ratio (B553)*
 - Equipment Group(s): BOXC, GOND, HOPP, MISC, TANK, FLAT, IFLT, VFLT
 - Element Description: Indicates calculated empty braking ratio per AAR Specifications in place on built or rebuilt date (in percent). System Generated Field. This element is not eligible for input.
 - Permissible Values:
 - Minimum - 15.0
 - Maximum - 38.0
 - Presentation Group: Train Service
- Owner-Provided Empty Braking Ratio (B554)*
 - Equipment Group(s): BOXC, GOND, HOPP, MISC, TANK, FLAT, IFLT, VFLT
 - Element Description: Indicates an owner supplied alternate empty braking ratio (in percent)
 - Permissible Values:
 - Minimum - 15.0
 - Maximum - 38.0
 - Presentation Group: Train Service
- **Permissible Value Updates - New Values/Value Changes or Updated/Removed Values**
 - CONT Loading Cap (A054)
 - New Permissible Value: R - One 40 ft or 45 or 48 ft Container and One 40, 45, 48, or 53 ft Container Stacked
 - Equipment Group(s): IFLT
 - Slack Adjuster Group (B538)
 - New Permissible Values:
 - 1 - Internal
 - 2 - Unequipped
 - Equipment Group(s): BOXC, GOND, HOPP, MISC, TANK, FLAT, IFLT, VFLT
 - Pool Maintenance Code (P007)
 - Remove/Expire Element: Pool Maintenance Code (P007)
 - Presentation Group: General
 - Held Short Location (P009)
 - Remove/Expire Element: Held Short Location (P009)
 - Presentation Group: General
 - Held Short Location State/Province (P010)
 - Remove/Expire Element: Held Short Location State/Province (P010)

- Presentation Group: General

Got Questions? Get Answers.

If you have any questions about Railinc's Umler system or this release, contact the Railinc Customer Success Center by email at csc@railinc.com or by phone at 877-724-5462.