

Release Notes for March 21, 2024 Umler System Release

The Umler system release scheduled for Thursday, March 21, 2024, includes functional enhancements to Umler which includes docket implementation work as directed by the Umler Committee 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.

Element Updates (New Elements/Element Changes & Removals)

- Clean Out Door Equipped (B600) *
 - Equipment Group: GOND
 - Presentation Group: Feature
 - Element Definition: Indicates the equipment is equipped with a clean out door
 - Permissible Value(s):
 - Y - Yes
- Inches of Travel (B061)
 - Equipment Group: BOXC, GOND, HOPP, FLAT, IFLT, VFLT, TANK, MISC, PSGR
 - Presentation Group: Draft System Components
 - Updated Element Definition:
 - **Old:** The number of inches the energy management device will compress to absorb impact
 - **New:** The number of inches a draft system will travel

Permissible Value/Range Updates - Updates/Removals/New Values

- Design Shipping Specification (A072)
 - Equipment Group: TANK
 - Presentation Group: Specification
 - Re-Added Permissible Value:
 - 111A100W - 10 and 18 Major Class (ICC or DOT)
 - Added Permissible Value(s):
 - 105A300ALW - DOT 105A300ALW
 - 109A300W - DOT 109A300W
 - 113C140W - TC 113C140W
 - 115A60ALW - DOT 115A60ALW
- Stenciled Shipping Specification (A237)
 - Equipment Group: TANK
 - Presentation Group: Specification
 - Added permissible Value(s):
 - 109A300W - Major Class 54 - DOT 109A300W
 - 113C140W - Major Class 76 - TC 113C140W
 - 113C60W - Major Class 76 - TC 113C60W

- 113D60W - Major Class 76 - TC 113D60W
 - 115A60ALW - Major Class 67 - DOT 115A60ALW
- Draft Gear Group/Cushion Unit Pocket (B562)
 - Equipment Group: BOXC, GOND, HOPP, FLAT, IFLT, VFLT, TANK, MISC, PSGR
 - Presentation Group: Draft System Components
 - Added Permissible Value(s):
 - EOC-9E
 - EOC-27E
- Vehicle/Track Interaction Equipped (B550)
 - Equipment Group: LOCO
 - Presentation Group: Feature
 - Added Permissible Value(s):
 - K - Kawasaki GEO System
 - N - ENSCO GEO System
 - O - BNSF ODIN GEO System

Business Rule Changes - New/Changed or Updated/Removed Rules

- Tare Weight (A259)
 - Equipment Group(s): VFLT
 - Presentation Group: Weight
 - Updated Rule:
 - **Old:** Tare Weight (A259) of VLFT where Connected Unit Count (A020) is 2, must contain values between 140000lbs. and 272000lbs.
 - **New:** Tare Weight (A259) of VLFT where Connected Unit Count (A020) is 2, must contain values between 130000lbs. and 272000lbs.
- Unit Tare Weight
 - Equipment Group: BOXC, GOND, HOPP, TANK, FLAT, IFLT, VFLT, MISC
 - Presentation Group: Unit Segment Components
 - Added Rule:
 - Unit Tare Weight (A299) value must be reported to the nearest 100 pounds
- Draft Gear Group/Cushion Unit Pocket (B562)
 - Equipment Group: BOXC, GOND, HOPP, FLAT, IFLT, VFLT, TANK, MISC, PSGR
 - Presentation Group: Draft System Components
 - Updated Rule(s):
 - **Old:** When the Draft Gear Group/Cushion Unit Pocket (B562) is EOC-26F then the Cushion Unit Type (B563) must be 2
 - **New:** When the Draft Gear Group/Cushion Unit Pocket (B562) is EOC-9E, EOC-26F, or EOC-27E, then the Cushion Unit Type (B563) must be 2
 - **Old:** When the Draft Gear Group/Cushion Unit Pocket (B562) is EOC-1D, EOC-2, EOC-2D, EOC-2B, EOC-3, EOC-3B, EOC-5, EOC-5D, EOC-5B, EOC-6D, EOC-7, EOC-7B, EOC-9, EOC-9B, EOC-9D, EOC-9E, EOC-10D, EOC-11, EOC-11B, EOC-11D, EOC-12D, EOC-14, EOC-14B, EOC-15, EOC-15D, EOC-

- 15B, EOC-16D, EOC-17D, EOC-23, EOC-23B, or EOC-27D, or EOC-27E then the Inches of Travel (B061) must be 10
 - **New:** When the Draft Gear Group/Cushion Unit Pocket (B562) is EOC-1D, EOC-2, EOC-2D, EOC-2B, EOC-3, EOC-3B, EOC-5, EOC-5D, EOC-5B, EOC-6D, EOC-7, EOC-7B, EOC-9, EOC-9B, EOC-9D, EOC-9E, EOC-10D, EOC-11, EOC-11B, EOC-11D, EOC-12D, EOC-14, EOC-14B, EOC-15, EOC-15D, EOC-15B, EOC-16D, EOC-17D, EOC-23, EOC-23B, EOC-27D, or EOC-27E then the Inches of Travel (B061) must be 10
- Draft System Type (B073)
 - Equipment Group: BOXC, GOND, HOPP, FLAT, IFLT, VFLT, TANK, MISC, PSGR
 - Presentation Group: Draft System Components
 - Updated Rule(s):
 - **Old:** If Draft System Type (B073) is E then Draft Gear Group/Cushion Unit Pocket (B562) may only be EOC-1, EOC-1D, EOC-1B, EOC-2, EOC-2D, EOC-2B, EOC-3, EOC-3B, EOC-4, EOC-4B, EOC-5, EOC-5D, EOC-5B, EOC-6, EOC-6D, EOC-6B, EOC-7, EOC-7B, EOC-8, EOC-8B, EOC-8F, EOC-9, EOC-9B, EOC-9D, EOC-9E, EOC-10, EOC-10D, EOC-10B, EOC-10F, EOC-11, EOC-11D, EOC-11B, EOC-12, EOC-12D, EOC-12B, EOC-13, EOC-13B, EOC-14, EOC-14B, EOC-15, EOC-15D, EOC-15B, EOC-16, EOC-16D, EOC-16B, EOC-17, EOC-17D, EOC-17B, EOC-18, EOC-18D, EOC-18B, EOC-19, EOC-19B, EOC-20, EOC-20B, EOC-21, EOC-21B, EOC-22, EOC-22B, EOC-23, EOC-23B, EOC-24, EOC-24B, EOC-25E, EOC-26B, EOC-26F, or EOC-27D, or EOC-27E (AAR Rule 59)
 - **New:** If Draft System Type (B073) is E then Draft Gear Group/Cushion Unit Pocket (B562) may only be EOC-1, EOC-1D, EOC-1B, EOC-2, EOC-2D, EOC-2B, EOC-3, EOC-3B, EOC-4, EOC-4B, EOC-5, EOC-5D, EOC-5B, EOC-6, EOC-6D, EOC-6B, EOC-7, EOC-7B, EOC-8, EOC-8B, EOC-8F, EOC-9, EOC-9B, EOC-9D, EOC-9E, EOC-10, EOC-10D, EOC-10B, EOC-10F, EOC-11, EOC-11D, EOC-11B, EOC-12, EOC-12D, EOC-12B, EOC-13, EOC-13B, EOC-14, EOC-14B, EOC-15, EOC-15D, EOC-15B, EOC-16, EOC-16D, EOC-16B, EOC-17, EOC-17D, EOC-17B, EOC-18, EOC-18D, EOC-18B, EOC-19, EOC-19B, EOC-20, EOC-20B, EOC-21, EOC-21B, EOC-22, EOC-22B, EOC-23, EOC-23B, EOC-24, EOC-24B, EOC-25E, EOC-26B, EOC-26F, or EOC-27D, or EOC-27E (AAR Rule 59)

Umler Data Specification Manual - Updates/Removals/New Values

- Appendix N - Major Tank Class & Validation Matrices for DOT117, HM-246
 - Added Stenciled Shipping Specification (A237) values.

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 or by phone at 877-724-5462.