



| Umler[®] Release Notes

Release Notes for September 12, 2019, Umler System Release

The Umler system release scheduled for Thursday, September 12, 2019, includes functional enhancements to Umler 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.

- **Element Updates (New Elements/Element Changes & Removals)**
 - Communications Protocol (A051)
 - Remove/Expire Element
 - Equipment Group(s): EOTD
 - Presentation Group: Specification
 - Mounting Type (A176)
 - Remove/Expire Element
 - Equipment Group(s): EOTD
 - Presentation Group: Specification
 - Built-in Battery Charger (B033)
 - Remove/Expire Element
 - Equipment Group(s): EOTD
 - Presentation Group: Specification
 - Emulation of Rear Car Brake Control Valve Activity (B076)
 - Remove/Expire Element
 - Equipment Group(s): EOTD
 - Presentation Group: Specification
 - Cell Phone Equipped (B079)
 - Remove/Expire Element
 - Equipment Group(s): EOTD
 - Presentation Group: Specification
 - Front Unit Authorization (B099)
 - Remove/Expire Element
 - Equipment Group(s): EOTD
 - Presentation Group: Specification
 - Multiple Brake Pipe Pressure Threshold Switches (B134)
 - Remove/Expire Element
 - Equipment Group(s): EOTD
 - Presentation Group: Specification
 - Rear Car Brake Cylinder Release Detection (B167)
 - Remove/Expire Element

*Indicates this is a new element.

- Equipment Group(s): EOTD
 - Presentation Group: Specification
- Rear Car Slack Status Detection (B168)
 - Remove/Expire Element
 - Equipment Group(s): EOTD
 - Presentation Group: Specification
- Remote Monitoring Device Equipped (B176)
 - Remove/Expire Element
 - Equipment Group(s): EOTD
 - Presentation Group: Specification
- Air Hose Arrangement (B524)
 - Remove/Expire Element
 - Equipment Group(s): EOTD
 - Presentation Group: Specification
- Draft System Type (B073)
 - Equipment Group(s): BOXC, GOND, HOPP, MISC, TANK, FLAT, IFLT, VFLT, PSGR
 - Update Element Name:
 - From: Draft Gear/Cushion Type
 - To: Draft System Type
 - Remove Permissible Value(s):
 - H - Hydraulic Draft Gear
- Draft Gear Group/Cushion Unit Pocket (B562)
 - Equipment Group(s): BOXC, GOND, HOPP, MISC, TANK, FLAT, IFLT, VFLT, PSGR
 - Update Element Name:
 - From: Draft Gear/Cushion Unit Group
 - To: Draft Gear Group/Cushion Unit Pocket
 - Updated element description:
 - From: Draft Gear/Cushion Unit Group value as listed in AAR Field Manual Interchange Rule 21 and 59.
 - To: Draft Gear Group/Cushion Unit Pocket value as listed in AAR Field Manual Interchange Rule 21 and 59.
 - Added permissible value:
 - EOC-27D (AAR Rule 59)
- Cushion Unit Type (B563)
 - Equipment Group(s): BOXC, GOND, HOPP, MISC, TANK, FLAT, IFLT, VFLT, PSGR
 - Update Element Name:
 - From: Draft Gear/Cushion Unit Type
 - To: Cushion Unit Type
 - Updated element description:
 - From: Draft Gear/Cushion Unit Type value as listed in AAR Field Manual Interchange Rule 21 and 59

*Indicates this is a new element.

- To: Cushion Unit Type value as listed in AAR Field Manual Interchange Rule 21 and 59

- **Permissible Value/Range Updates - Updates/Removals/New Values**
 - Jacket Material Category (B204)
 - Equipment Group(s): TANK
 - Added Permissible Value(s):
 - S - Stainless Steel

 - SS Deck A/B Setting (A210)
 - Equipment Group(s): VFLT
 - Increase Permissible Range Maximum:
 - Old - 118
 - New - 130

 - Superstructure Deck Level (B406)
 - Equipment Group(s): VFLT
 - Added Permissible Value(s):
 - BHI - Bi-Level, High A Deck

 - Insulation Thermal Protection Type (A142)
 - Equipment Group(s): TANK
 - Added Permissible Value(s):
 - EM - Evacuated (Vacuum) with Multi-Layer
 - EP - Evacuated (Vacuum) with Perlite

 - Coupler Code (A057)
 - Equipment Group(s): BOXC, GOND, HOPP, TANK, FLAT, IFLT, VFLT, MISC, PSGR
 - Added Permissible Value(s):
 - EF511LCE - Type E/F (Rule 17) - EF511LCE
 - E69LCE - Type E/F (Rule 17) - E69LCE
 - FF218AE - Type F (Rule 18) - FF218AE

 - Coupler Code (A057)
 - Equipment Group(s): BOXC, GOND
 - Added Permissible Value(s):
 - EK324CE - Type E (Rule 16) - EK324CE (Long Travel)

- **Business Rule Changes - New/Changed or Updated/Removed Rules**
 - Jacket Material Category (B204)
 - Equipment Group(s): TANK
 - Updated Rule:
 - From: Jacket Thickness is required for tank cars built or rebuilt on or after July 1, 2015 when Tank Jacket Material (B204) equals N

- To: Jacket Thickness is required for tank cars built or rebuilt on or after July 1, 2015 when Tank Jacket Material (B204) equals N or S
- SS Deck A/B Setting (A210)
 - Equipment Group(s): VFLT
 - New Rule: Superstructure Deck A/B Setting on VFlat for ETC V9 must be greater than or equal to 100 inches and be less than or equal to 130 inches when Superstructure Deck Level (B406) is reported as BHI
 - Updated Rule:
 - From: Superstructure Deck A/B Setting on VFlat for ETC V6 and V9 must be less than or equal to 92 inches
 - To: Superstructure Deck A/B Setting on VFlat for ETC V6 and V9 must be less than or equal to 92 inches, and V9 is not reported with Superstructure Deck Level (B406) as BHI
- SS Top Deck Setting (A215)
 - Equipment Group(s): VFLT
 - Updated Rule:
 - From: Superstructure Top Deck Setting (Enclosed) on VFlat must be greater than or equal to 65 inches for V6, V8, and V9
 - To: Superstructure Top Deck Setting (Enclosed) on VFlat must be greater than or equal to 65 inches for V6, V8, and V9, and when V9 is not reported with Superstructure Deck Level (B406) as BHI
- Superstructure Deck Level (B406)
 - Equipment Group(s): VFLT
 - Updated Rule:
 - From: When Superstructure Deck Levels (B406) is BI, BCC, or BCR, Superstructure Deck A/B Setting (A210) must be reported. Additionally, either Superstructure Top Deck Setting Enclosed (A215) or Top Deck Height No Roof (A263) must be reported
 - To: When Superstructure Deck Levels (B406) is BI, BCC, BCR or BHI, Superstructure Deck A/B Setting (A210) must be reported. Additionally, either Superstructure Top Deck Setting Enclosed (A215) or Top Deck Height No Roof (A263) must be reported
- Insulation/Thermal Protection Type (A142)
 - Equipment Group(s): TANK
 - Removed Rule: Insulation/Thermal Protection Type must be reported as UE-Unequipped if Stenciled Shipping Spec (A237) is 112Axxx, 112Sxxx, 114Axxx, or 114Sxxx
- Draft Gear Group/Cushion Unit Pocket (B562)
 - Equipment Group(s): BOXC, GOND, HOPP, MISC, TANK, FLAT, IFLT, VFLT, PSGR
 - New Rule: If Draft System Type (B073) is C or E then Cushion Unit Type (B563) must be reported

*Indicates this is a new element.

- New Rule: If Draft System Type (B073) is S then Draft Gear Group/Cushion Unit Pocket (B562) may only be A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R, Z (AAR Rule 21)
 - New Rule: If Draft System Type (B073) is C then Draft Gear Group/Cushion Unit Pocket (B562) may only be COC-1, COC-2, COC-3, COC-4, COC-5, COC-6, COC-7, COC-8 (AAR Rule 59)
 - New Rule: 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-9D, EOC-9B, 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 (AAR Rule 59)
 - Removed Rule: If Draft Gear/Cushion Type (B073) is H (Hydraulic) then Coupler Style (B058) cannot be reported as M (Solid Drawbar) or L (Rotary Drawbar)
 - Updated Rule:
 - From: If Draft Gear/Cushion Type (B073) is not Center Of Car or End Of Car, Inches of Travel (B061) cannot be reported
 - To: If Draft System Type (B073) of Center Of Car or End Of Car is reported then Inches of Travel (B061) must also be reported
- Draft Gear Group/Cushion Unit Pocket (B562)
- Equipment Group(s): BOXC, GOND, HOPP, MISC, TANK, FLAT, IFLT, VFLT, PSGR
 - New Rule: If Draft Gear Group/Cushion Unit Pocket (B562) is N or P then Coupler Style (B058) cannot be reported as M (Solid Drawbar) or L (Rotary Drawbar)
 - Updated Rule:
 - From: When the Draft Gear Group/Cushion Unit Pocket (B562) is COC-6, EOC-7, EOC-7B, EOC-8, EOC-8B, EOC-9, EOC-9B, EOC-9D, EOC-10, EOC-10B, EOC-10D, EOC-14, EOC-14B, EOC-18D, EOC-23, EOC-23B, EOC-24, EOC-25E, or EOC-26B then the Cushion Unit Type (B563) must be 1
 - To: When the Draft Gear Group/Cushion Unit Pocket (B562) is COC-6, EOC-7, EOC-7B, EOC-8, EOC-8B, EOC-9, EOC-9B, EOC-9D, EOC-10, EOC-10B, EOC-10D, EOC-14, EOC-14B, EOC-18D, EOC-23, EOC-23B, EOC-24, EOC-25E, EOC-26B, or EOC-27D then the Cushion Unit Type (B563) must be 1
 - Updated Rule:
 - From: 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-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, or EOC-23B then the Inches of Travel (B061) must be 10

- To: 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-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 then the Inches of Travel (B061) must be 10

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.