

### Release Notes for September 14, 2023 Umler System Release

The Umler system release scheduled for Thursday, September 14, 2023, 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)

- Interval Days AFMC (L072) \*
  - Added New Element
  - Equipment Group: LOCO
  - Presentation Group: Inspection Interval Days
  - Mandatory? No
  - Permissible Values:
    - 92 - 92 Days
    - 184 - 184 Days
  - Format: Numeric - 4
  - Element Characteristics: Public
  - Element Description: Indicates the number of days between AFMC Inspections
  - Element Notes:
    - The element will be initially populated with 92 days.
    - This element will be updated through an ECC and would default to 92 after an AFMC Inspection is reported.
- Loading Authority Fleet Status (B597) \*
  - Added New Element
  - Equipment Group: BOXC, GOND, HOPP, TANK, FLAT, IFLT, VFLT, MISC
  - Presentation Group: Car Management
  - Mandatory? No
  - Permissible Values:
    - Y - Yes
    - S - Suspended
  - Format: Text - 1
  - Element Characteristics: Public; System-generated; Do not carry forward on single/multiple clone
  - Element Description: Identifies when a car is listed on a fleet in the Loading Authority application
  - Element Notes:
    - When equipment is on a fleet the Loading Authority (LA) application will update the flag to 'Y - Yes'. When equipment is removed from a fleet the LA application will remove the 'Y - Yes'.
    - When equipment is on a LA fleet that is suspended the LA application will update the flag to 'S - Suspended'. When the equipment is on a LA

fleet that is no longer suspended the LA application will update the flag to 'Y - Yes'.

- Loading Authority (OT-57) contact information can be found in the FindUs.Rail application (click on 'Contact List' on Umler home page).

- SS Original Cost Status (B598) \*
  - Equipment Group: VFLT
  - Mandatory: No
  - Permissible Values:
    - E - Estimated
    - V - Verified
  - Format: Text- 1
  - Element Characteristics: Confidential; Do not carry forward on single/multiple clone
  - Element Description: The status of the SS Original Cost from the Original Cost Self Service system.
  - Rule(s):
    - SS Orig Cost Status (B598) can only be updated by the Original Cost Self Service (OCSS) application if Verified (V)
  - Element Notes:
    - The element will be initially populated with 'V-Verified'.
    - When the Original Cost Self Service (OCSS) application has verified the SS Original Cost and/or the SS Addition & Betterment, the SS Original Cost Status will be updated to "V-Verified".
    - When superstructure has a new SS Rebuilt Date reported, the SS Original Cost Status (B598) will be set to 'E - Estimated'.
    - New superstructures added to Umler will have the SS Orig Cost Status (B598) set to 'E'
- SS A&B Date Done (B599) \*
  - Equipment Group: VFLT
  - Mandatory: No
  - Format: Date-8
  - Element Characteristics: Confidential; Do not carry forward on single/multiple clone
  - Element Description: The date of the superstructure addition and betterment
  - Rule(s):
    - SS A&B Date Done (B599) can only be updated by the Original Cost Self Service (OCSS) application if Verified (V)
- SS Identification (B156)
  - Equipment Group: VFLT
  - Updated Element Description:
    - **Old:** The Superstructure equipment identification stenciled changed name from Rack to Superstructure; changed name from Rack to Superstructure - New
    - **New:** The Superstructure (rack) identification stenciled number
- Inches of Travel (B061)
  - Equipment Group: BOXC, GOND, HOPP, FLAT, IFLT, VFLT, TANK, MISC, PSGR

- Updated Element Description:
  - **Old:** The number of inches the cushion unit will compress to absorb impact
  - **New:** The number of inches the energy management device will compress to absorb impact

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

- SS A&B Amount (A004)
  - Equipment Group: VFLT
  - Increased Maximum Range Value:
    - Old: 25000
    - New: 50000
- Floor Type (A104)
  - Equipment Group: VFLT
  - Removed Permissible Value:
    - 27 - Unknown
- SS Original Cost (A252)
  - Equipment Group: VFLT
  - Increased Maximum Range Value:
    - Old: 135000
    - New: 175000
- SS Chock Type Deck A (B151)
  - Equipment Group: VFLT
  - Updated Permissible Value Label:
    - **Old:** F - Zeftek Low-Profile Co-Polymer Chocks (3rd Rail)
    - **New:** F - Zeftek Low-Profile Polymer Chocks (3rd Rail)
- SS Chock Type Deck B (B160)
  - Equipment Group: VFLT
  - Updated Permissible Value Label:
    - **Old:** F - Zeftek Low-Profile Co-Polymer Chocks (3rd Rail)
    - **New:** F - Zeftek Low-Profile Polymer Chocks (3rd Rail)
- SS Chock Type Deck C (B161)
  - Equipment Group: VFLT
  - Updated Permissible Value Label:
    - **Old:** F - Zeftek Low-Profile Co-Polymer Chocks (3rd Rail)
    - **New:** F - Zeftek Low-Profile Polymer Chocks (3rd Rail)
- Vehicle/Track Interaction Equipped (B550)
  - Equipment Group: LOCO
  - Added Permissible Value:
    - A - Automated Track Geometry Measurement System

- Stub Sill Design Type (A251)
  - Equipment Group: TANK
  - Added Permissible Values:
    - TRN201 - TRN201 Stub Sill Design
    - TRN211 - TRN211 Stub Sill Design
    - TRN221 - TRN221 Stub Sill Design
    - TRN231 - TRN231 Stub Sill Design
    - TRN31 - TRN31 Stub Sill Design

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

- SS Identification (B156)
  - Equipment Group: VFLT
  - Added Rule:
    - SS Identification (B156) is mandatory for all superstructures not integrated with the flat car built on or after September 14, 2023
- SS Original Cost (A252)
  - Equipment Group: VFLT
  - Added Rule:
    - SS Original Cost (A252) can only be updated by the Original Cost Self Service (OCSS) application when SS Orig Cost Status (B598) is Verified (V)
- SS Addition & Betterment (A004)
  - Equipment Group: VFLT
  - Added Rule:
    - SS Addition & Betterment (A004) can only be updated by the Original Cost Self Service (OCSS) application when SS Orig Cost Status (B598) is Verified (V)
- SS Indicator A&B (A296)
  - Equipment Group: VFLT
  - Added Rule:
    - SS Indicator A&B (A296) can only be updated by the Original Cost Self Service (OCSS) application when SS Orig Cost Status (B598) is Verified (V)
- Draft System Type (B073)
  - Equipment Group: BOXC, GOND, HOPP, FLAT, IFLT, VFLT, TANK, MISC, PSGR
  - Updated Rule(s):
    - **Old:** If Draft System Type (B073) is not Center Of Car (C), End Of Car (E), X, or Y, Inches of Travel (B061) cannot be reported
    - **New:** If Draft System Type (B073) is Standard Draft Gear (S), Inches of Travel (B061) cannot be reported
    - **Old:** If Draft System Type (B073) is reported as Center Of Car or End Of Car then Inches of Travel (B061) must also be reported
    - **New:** If Draft System Type (B073) is reported as C, E, X, or Y then Inches of Travel (B061) must also be reported

- Added Rule(s):
  - If Draft System Type (B073) of X, or Y is reported then Draft Gear Group/Cushion Unit Pocket (B562) cannot be reported
  - If Draft System Type (B073) X is reported, the Inches of Travel (B061) value must be greater than or equal to 1 and less than 6
  - If Draft System Type (B073) Y is reported, the Inches of Travel (B061) value must be greater than or equal to 6 and less than or equal to 10
- Draft Gear Group/Cushion Unit Pocket (B562)
  - Equipment Group: BOXC, GOND, HOPP, FLAT, IFLT, VFLT, TANK, MISC, PSGR
  - Updated Rule:
    - **Old:** Draft Gear Group/Cushion Unit Pocket (B562) is mandatory for equipment built on or after June 13, 2019
    - **New:** Draft Gear Group/Cushion Unit Pocket (B562) is mandatory for equipment built on or after June 13, 2019, unless Draft System Type (B073) is reported as X or Y

### **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.