

### Release Notes for March 16, 2023 Umler System Release

The Umler system release scheduled for Thursday, March 16, 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.

#### Component Updates (New Components/Component Changes & Removals)

- Unit Segment (UNITSEG)
  - Equipment Group: PSGR
  - Increased Maximum Unitseg Value
    - Old: 3
    - New: 5

#### Element Updates (New Elements/Element Changes & Removals)

- Door Lube Inspection Due Date (DUDL)
  - Equipment Group: BOXC
  - Removed Element

#### Inspection Updates (New Inspections/Inspection Changes & Removals)

- Door Lube Inspection (DLI)
  - Equipment Group: BOXC
  - Removed Inspection Type

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

- Inches of Travel (B061)
  - Equipment Group(s): BOXC, GOND, HOPP, TANK, FLAT, IFLT, VFLLT, MISC, PSGR
  - Decreased Minimum Range Value:
    - Old: 6
    - New: 1
- Draft System Type (B073)
  - Equipment Group(s): BOXC, GOND, HOPP, TANK, FLAT, IFLT, VFLLT, MISC, PSGR
  - Added Permissible Value(s):
    - X - Devices with less than 6 inches buff travel approved under AAR Standard S-060
    - Y - Devices with 6 to 10 inches of buff travel approved under AAR Standard S-060

- Draft Gear Group/Cushion Unit Pocket (B562)
  - Equipment Group(s): BOXC, GOND, HOPP, TANK, FLAT, IFLT, VFLT, MISC, PSGR
  - Added Permissible Value:
    - S - S (AAR Rule 21)
- Body Material (A030)
  - Equipment Group(s): GOND
  - Added Permissible Value:
    - 00 - High Strength Steel (Over 100ksi Yield Strength)
- Floor Material (A104)
  - Equipment Group(s): GOND
  - Added Permissible Value:
    - 00 - High Strength Steel (Over 100ksi Yield Strength)
- Stub Sill Design Type (A251)
  - Equipment Group(s): TANK
  - Removed Permissible Value(s):
    - DSLABC
    - GAT016
    - GAT095
    - GAT096
    - GAT101
    - HST080
- **Business Rule Changes - New/Changed or Updated/Removed Rules**
  - Draft System Type (B073)
    - Equipment Group(s): BOXC, GOND, HOPP, TANK, FLAT, IFLT, VFLT, MISC, PSGR
    - Updated Rule:
      - **Old:** 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, or Z (AAR Rule 21)
      - **New:** 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, S, or Z (AAR Rule 21)
    - Updated Rule:
      - **Old:** If Draft System Type (B073) is not Center Of Car or End Of Car, Inches of Travel (B061) cannot be reported
      - **New:** 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
    - Updated Rule:
      - **Old:** If Draft System Type (B073) of Center Of Car or End Of Car is reported then Inches of Travel (B061) must also be reported

- **New:** If Draft System Type (B073) of Center Of Car, End Of Car, X, or Y is reported then Inches of Travel (B061) must also be reported
  - Draft Gear Group/Cushion Unit Pocket (B562)
    - Equipment Group(s): BOXC, GOND, HOPP, TANK, FLAT, IFLT, VFLT, MISC, PSGR
    - Updated Rule:
      - **Old:** If Draft Gear Group/Cushion Unit Pocket (B562) is not equal to A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R, or Z, then Cushion Unit Type (B563) must be populated
      - **New:** If Draft Gear Group/Cushion Unit Pocket (B562) is not equal to A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R, S, or Z, then Cushion Unit Type (B563) must be populated
  - Cushion Unit Type (B563)
    - Equipment Group(s): BOXC, GOND, HOPP, TANK, FLAT, IFLT, VFLT, MISC, PSGR
    - Updated Rule:
      - **Old:** If Draft Gear Group/Cushion Unit Pocket (B562) is not equal to A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R, or Z, then Cushion Unit Type (B563) must be populated
      - **New:** If Draft Gear Group/Cushion Unit Pocket (B562) is not equal to A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R, S, or Z, then Cushion Unit Type (B563) must be populated

**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.