



## | Umler® Release Notes

### Release Notes for December 5, 2019, Umler System Release

The Umler system release scheduled for Thursday, December 5, 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)**
  - Insulation/Thermal Protection Type (A142)
    - Equipment Group(s): TANK
    - Update Element Description:
      - From: Describes the type of material(s) used for the equipment insulation / thermal protection of the tank car.
      - To: Describes the type of material(s) used for the insulation / thermal protection of the tank car.
  - Top Fittings Protection (A264)
    - Equipment Group(s): TANK
    - Update Element Description:
      - From: Identifies the existence of top fittings protection associated with preventing loss of commodity due to rollover. For example, Sulfuric Acid rollover protection, pressure car fitting bonnets, etc. Does not include weather proofing on gen serv tank cars.
      - To: Identifies the existence of top fittings protection associated with preventing loss of commodity due to rollover.
  - Operating Brakes (A182)
    - Equipment Group(s): BOXC, GOND, HOPP, FLAT, IFLT, VFLT, PSGR, TANK, MISC, PSGR
    - Update Element Description:
      - From: The number of brakes on an equipment (Excludes hand brakes)
      - To: The number of air brake control valves on the equipment (excludes hand brakes). One control valve consists of a service portion, emergency portion, and pipe bracket. Example: DB-60 control valve
- **Permissible Value/Range Updates - Updates/Removals/New Values**
  - Plate Code (A046)
    - Equipment Group(s): BOXC, GOND, HOPP, FLAT, IFLT, TANK, MISC, PSGR, LOCO

- Update Permissible Value(s):
    - From: G - Plate Code G
    - To: G - Clearance Code G
- Plate Code (A046)
  - Equipment Group(s): VFLT
  - Add Permissible Value(s):
    - G - Clearance Code G
- Plate Code (A046)
  - Equipment Group(s): FLAT, IFLT, MISC, TANK, PSGR LOCO
  - Remove Permissible Value(s):
    - A - Clearance Equals Plate B and Extreme Width is Greater Than 10'08 Inches and Does Not Exceed 10'10 inches
    - I - Plate Code I
- Plate Code (A046)
  - Equipment Group(s): FLAT, TANK, PSGR LOCO
  - Remove Permissible Value(s):
    - H - Plate Code H
- Plate Code (A046)
  - Equipment Group(s): FLAT
  - Remove Permissible Value(s):
    - J - Plate Code J
- Plate Code (A046)
  - Equipment Group(s): IFLT, VFLT, TANK, MISC, PSGR
  - Remove Permissible Value(s):
    - L - Plate Code L
- Event Recorder Type (A093)
  - Equipment Group(s): LOCO
  - Add Permissible Value(s):
    - TMV - TMV Control Systems
- Energy Management System (A303)
  - Equipment Group(s): LOCO
  - Add Permissible Value(s):
    - TMV - TMV AECS Automatic Engine Start Stop
- Equipment Builder (A035)
  - Equipment Group(s): LOCO
  - Added Permissible Value(s):
    - SIEM - Siemens
- Gear Ratio (A114)
  - Equipment Group(s): LOCO
  - Added Permissible Value(s):
    - 95:23 - 95 axle teeth : 23 gear teeth

\*Indicates this is a new element.

- Stub Sill Design (A251)
  - Equipment Group(s): TANK
  - Added Permissible Value(s):
    - ARI410 - ARI410 Stub Sill Design
    - TEX012 - TEX012 Stub Sill Design
- Car Grade (CG01)
  - Equipment Group(s): BOXC
  - Added Permissible Value(s):
    - E - Door Defect (Shipper/Receiver)
    - H - Floor Defect (Shipper/Receiver)
    - I - Wall Defect (Shipper/Receiver)
    - J - Roof Defect (Shipper/Receiver)
- **Business Rule Changes - New/Changed or Updated/Removed Rules**
  - Plate Code (A046)
    - Equipment Group(s): FLAT, IFLT, TANK, MISC, PSGR
    - Remove Rule(s):
      - Plate Code A is only applicable to Freight cars
      - Plate Code A is applicable to Gondolas only with a Built/Rebuilt (Birth) Date on or before December 31, 1975
  - Operating Brakes (A182)
    - Equipment Group(s): BOXC, GOND, HOPP, FLAT, IFLT, VFLT, TANK, MISC, PSGR
    - New Rule: Operating Brakes (A182) must be 1 for non-articulated equipment with an Axle Count (A024) equal to 4
  - GPS Equipped (B557)
    - Equipment Group(s): EOTD
    - Updated Rule:
      - From: EOT Devices cannot have Cellular 3G if Built date (BLDT) is on or after January 1, 2019
      - To: GPS Equipped cannot be Cellular 3G if Built Date (BLDT) is on or after January 1, 2019
  - Remote Asset Health Monitoring Equipment (B560)
    - Equipment Group(s): EOTD
    - Updated Rule:
      - From: If Remote Asset Health Monitoring Equipment is Equipped then GPS Equipped (B557) cannot be Cellular 3G or Not Equipped
      - To: If Remote Asset Health Monitoring Equipment is Equipped then GPS Equipped (B557) cannot be Not Equipped

**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](mailto:csc@railinc.com) or by phone at 877-724-5462.