

Release Notes for June 15, 2023 Umler System Release

The Umler system release scheduled for Thursday, June 15, 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)

- Truck System (TRUCKSYS)
 - Equipment Group: VFLT
 - Increased Maximum Trucksys Value
 - Old: 4
 - New: 18

Element Updates (New Elements/Element Changes & Removals)

- End of Train Only (B277)
 - Equipment Group: BOXC, GOND, HOPP, TANK, FLAT, VFLT, IFLT, PSGR, MISC
 - Update Element Name
 - **Old:** Position on the Rearmost End of Train Only
 - **New:** End of Train Only
 - Update Element Description
 - **Old:** Indicates the equipment must be placed at the end of the train
 - **New:** Indicates the equipment must be placed at the end of the train (including per AAR RP-2001)
- Permit Number (B596)
 - Equipment Group: TANK
 - Update Element Name
 - **Old:** Number
 - **New:** Permit Number
- Commercial Owner CIF (B049)
 - Equipment Group: FLAT, IFLT, VFLT
 - Removed Element
- Commercial Lessee CIF (B048)
 - Equipment Group: FLAT, IFLT, VFLT
 - Removed Element

- Center/Middle Stake Pkt (B040)
 - Equipment Group: FLAT
 - Removed Element
- Stake Pocket Locations (B190)
 - Equipment Group: FLAT
 - Updated Element Name
 - **Old:** Stake Pockets (side/end)
 - **New:** Stake Pocket Locations
 - Updated Element Description
 - **Old:** Fitting Codes ST
 - **New:** The locations of pockets for the installation of temporary vertical side stakes used to confine the lading.
- Bearing Shielded from HBD (B021)
 - Equipment Group: BOXC, GOND, HOPP, TANK, FLAT, IFLT, VFLT, MISC
 - Updated Element Name
 - **Old:** Bearing Shielded from HBD
 - **New:** Bearing Shielded From HBD
 - Updated Element Description
 - **Old:** Indicates the bearing is shielded from the hot box detector on the equipment
 - **New:** Indicates the bearing is shielded from the hot box detector
- Non-Fish Belly (B136)
 - Equipment Group: FLAT
 - Updated Element Description
 - **Old:** Fitting Codes NB
 - **New:** Indicates that the center sill does not have an increased section depth between the two trucks.
- Builder Lot Code (B030)
 - Equipment Group: BOXC, GOND, HOPP, TANK, FLAT, IFLT, VFLT, MISC, PSGR, TRLR, CONT, CHSS, EOTD, STWH
 - Updated Element Description
 - **Old:** A unique identifier for a group of equipment built by one manufacturer under the same contract
 - **New:** A unique identifier for a group of equipment built by one manufacturer under the same builder specification
- Canopy Equipped (B266)
 - Equipment Group: FLAT
 - Updated Element Description
 - **Old:** Fitting Code CY
 - **New:** Car is equipped with large, permanent rigid cover with end doors, suitable for transporting large airplane and other components.

- Chains and Binders Eqpd (B267)
 - Equipment Group: FLAT
 - Updated Element Description
 - **Old:** Fitting Code CB
 - **New:** Car is equipped with attached chains and binders for load securement.
- Qualification for Increased GRL
 - Equipment Group:
 - Updated Element Description
 - **Old:** AAR qualification for increased Rail Load Code designating AAR approval for operating 4-axle equipment at a gross rail load greater than 263,000 lbs. per AAR Rule 88
 - **New:** Code designating AAR approval for operating 4-axle equipment at a gross rail load greater than 263,000 lbs. per AAR Rule 88
- Tie Down Assembly Non Nylon Web (B271)
 - Equipment Group: FLAT
 - Updated Element Name
 - **Old:** Tie Down Assembly Non-FA
 - **New:** Tie Down Non Nylon Web
 - Updated Element Description
 - **Old:** Identifies the equipment having a tie down assembly
 - **New:** Identifies equipment having a non nylon web securement
- Tie Down Strap Equipped (B282)
 - Equipment Group: FLAT
 - Updated Element Description
 - **Old:** Fitting Code TP
 - **New:** Identifies equipment having securement straps
- Spring Tensioning Device (B198)
 - Equipment Group: FLAT
 - Updated Element Description
 - **Old:** Fitting Code SD
 - **New:** Identifies equipment with the permanent securement method of spring anchored tie downs
- Steel Riser Equipped (B200)
 - Equipment Group: FLAT
 - Updated Element Description
 - **Old:** Fitting Code SR
 - **New:** Equipment has steel risers mounted on the flat deck of the unit to support the load
- Blocking Timbers Equipped (B270)
 - Equipment Group: FLAT

*Indicates this is a new element.

- Updated Element Description
 - **Old:** Fitting Code TB
 - **New:** Identifies equipment with blocking timbers
- Permanent Container (B054)
 - Equipment Group: FLAT
 - Updated Element Description
 - **Old:** Fitting Code CN
 - **New:** Identifies that the equipment has permanently attached container
- Permanent Cont Material (A055)
 - Equipment Group: FLAT
 - Updated Element Description
 - **Old:** Permanent Container Material
 - **New:** The material of which the container is made
- Chain Equipped (B402)
 - Equipment Group: FLAT
 - Updated Element Description
 - **Old:** Chain Equipped
 - **New:** Identifies the flat car is equipped with chain tie downs
- Axle Spacing Distance (B020)
 - Equipment Group: BOXC, GOND, HOPP, TANK, FLAT, IFLT, VFLT, MISC, PSGR, STWH
 - Updated Element Description
 - **Old:** The distance between axle centers on the same truck
 - **New:** The distance between adjacent axle centers within the same truck system
- Anti-Pilferage Locking (B016)
 - Equipment Group: VFLT
 - Updated Element Description
 - **Old:** Indicated that an anti-pilferage locking device is available
 - **New:** Indicates that an anti-pilferage locking device is installed
- Tie-Down Strap Type (B400)
 - Equipment Group: VFLT
 - Updated Element Description
 - **Old:** Tie Down Strap Type
 - **New:** Indicates the type of tie-down strap used with the chocks
- Chain Equipped (B402)
 - Equipment Group: VFLT
 - Updated Element Description
 - **Old:** Chain Equipped
 - **New:** Indicates the vehicular flat is equipped with chains to tie down the vehicles. This is in addition to Chock Type.

- SS Identification (B156)
 - Equipment Group: VFLT
 - Updated Element Description
 - **Old:** Changed Name from Builder to Design; Changed Name from Rack to Superstructure; Changed Name from Rack to Superstructure-New
 - **New:** The Superstructure equipment identification stenciled changed name from Rack to Superstructure; changed name from rack to superstructure-new
- Superstructure Built Date (SBDT)
 - Equipment Group: VFLT
 - Updated Element Description
 - **Old:** Superstructure Built Date
 - **New:** The date the construction of the Superstructure is complete
- SS Rebuilt Date (SRDT)
 - Equipment Group: VFLT
 - Updated Element Description
 - **Old:** Superstructure Rebuilt Date
 - **New:** The date the reconstruction of the Superstructure is complete
- Autorack Category (ARCG)
 - Equipment Group: VFLT
 - Updated Element Description
 - **Old:** Autorack Category
 - **New:** Autorack Category is determined from the Autorack Score
- SS Rate Indicator (A019)
 - Equipment Group: VFLT
 - Updated Element Description
 - **Old:** Appurtenance Charge Indicator
 - **New:** Appurtenance Charge Indicator, element utilized for Car Hire purposes
- SS Deck A/B Setting (A210)
 - Equipment Group: VFLT
 - Updated Element Description
 - **Old:** Rack Deck Setting (A/B Deck)
 - **New:** Rack Deck Setting (A/B Deck), lower deck closet to rail
- SS Deck B/C Setting (A210)
 - Equipment Group: VFLT
 - Updated Element Description
 - **Old:** Rack Deck Setting (B/C Deck)
 - **New:** Deck Setting (B/C Deck), this only applies to the middle deck of a Tri-Level

- Perforated Sidewalls (B146)
 - Equipment Group: VFLT
 - Updated Element Description
 - **Old:** Fitting Codes PD
 - **New:** Indicates the superstructure is equipped with perforated sidewalls
- SS Enclosure Code (B153)
 - Equipment Group: VFLT
 - Updated Element Description
 - **Old:** New ETC V (Vehicular Flat); Changed Name from Rack to Superstructure-New ETC V (Vehicular Flat)
 - **New:** Describes the superstructure enclosure type
- SS End Door Design (B154)
 - Equipment Group: VFLT
 - Updated Element Description
 - **Old:** New ETC V (Vehicular Flat) ; Changed Name from Builder to Design; Changed Name from Rack to Superstructure New ETC-New ETC V
 - **New:** Indicates the Superstructure end door design type
- SS End Door M941-90 Qual (B155)
 - Equipment Group: VFLT
 - Updated Element Description
 - **Old:** Fitting Code ED
 - **New:** Please reference Manual of Standards and Recommended Practices Specification M941
- SS Chock Type Deck A (B151)
 - Equipment Group: VFLT
 - Updated Element Description
 - **Old:** Superstructure Chock Type (Rack Tie Down Type)
 - **New:** Superstructure Chock Type

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

- Gross Rail Load/Weight (A266)
 - Equipment Group(s): FLAT
 - Increased Minimum Range Value:
 - **Old:** 43000
 - **New:** 108000
 - Increased Maximum Range Value:
 - **Old:** 1000000
 - **New:** 2835000
- Gross Rail Load/Weight (A266)

*Indicates this is a new element.

- Equipment Group(s): IFLT
- Increased Minimum Range Value:
 - **Old:** 43000
 - **New:** 113000
- Increased Maximum Range Value:
 - **Old:** 1000000
 - **New:** 2835000
- Gross Rail Load/Weight (A266)
 - Equipment Group(s): VFLT
 - Increased Minimum Range Value:
 - **Old:** 43000
 - **New:** 157000
 - Increased Maximum Range Value:
 - **Old:** 1000000
 - **New:** 2835000
- Tare Weight (A259)
 - Equipment Group(s): FLAT
 - Increased Minimum Range Value:
 - **Old:** 23000
 - **New:** 34300
 - Increased Maximum Range Value:
 - **Old:** 500000
 - **New:** 1287000
- Tare Weight (A259)
 - Equipment Group(s): IFLT
 - Increased Minimum Range Value:
 - **Old:** 20000
 - **New:** 43000
 - Increased Maximum Range Value:
 - **Old:** 500000
 - **New:** 918000
- Tare Weight (A259)
 - Equipment Group(s): VFLT
 - Increased Maximum Range Value:
 - **Old:** 163000
 - **New:** 1224000
- Load Limit (LDLT)
 - Equipment Group(s): FLAT
 - Increased Minimum Range Value:
 - **Old:** 999999
 - **New:** 2225000
- Load Limit (LDLT)

*Indicates this is a new element.

- Equipment Group(s): IFLT
- Increased Minimum Range Value:
 - Old: 35000
 - New: 69000
- Increased Maximum Range Value:
 - Old: 1503000
 - New: 2061000
- Load Limit (LDLT)
 - Equipment Group(s): VFLT
 - Increased Minimum Range Value:
 - Old: 3000
 - New: 5000
 - Increased Maximum Range Value:
 - Old: 650000
 - New: 1350000
- Cubic Feet Capacity (A067)
 - Equipment Group(s): FLAT
 - Increased Minimum Range Value:
 - Old: 6500
 - New: 2400
 - Increased Maximum Range Value:
 - Old: 76000
 - New: 8000
- Truck Count (B256)
 - Equipment Group(s): FLAT, IFLT
 - Decreased Maximum Range Value:
 - Old: 25
 - New: 18
- Axle Count (A024)
 - Equipment Group(s): FLAT, IFLT
 - Increased Minimum Range Value:
 - Old: 2
 - New: 4
 - Increased Maximum Range Value:
 - Old: 999
 - New: 36
- Connected Unit Count (A020)
 - Equipment Group(s): FLAT, IFLT
 - Decreased Maximum Range Value:
 - Old: 45
 - New: 9
- Equipment Builder (A035)

*Indicates this is a new element.

- Equipment Group(s): FLAT
 - Updated Permissible Value:
 - **Old:** Itel
 - **New:** ITEL Rail Corporation
- Bulkhead Type (B034)
 - Equipment Group(s): FLAT
 - Remove Permissible Value:
 - I - Inflatable
- Floor Material (A104)
 - Equipment Group(s): FLAT
 - Remove Permissible Value:
 - 01 - Aluminum
 - 32 -Wood, Double
- Floor Material (A104)
 - Equipment Group(s): IFLT
 - Remove Permissible Value:
 - 01 - Aluminum
 - 02 - Aluminum (Ribbed)
 - 32 -Wood, Double
 - Update Permissible Value
 - **Old:** 27 - Unknown (Flats Only)
 - **New:** 27 - Unknown
- Stake Pocket Locations (B190)
 - Equipment Group(s): FLAT
 - Remove Permissible Value:
 - Y - Yes
 - Added Permissible Value:
 - C - Center
 - S - Side/End
 - B - Both Side/End and Center
- Permanent Cont Material (A055)
 - Equipment Group(s): FLAT
 - Remove Permissible Value:
 - 04 - Combination
 - 18 - Stainless Steel
 - 30 - Wood
- Clearance Exception (B275)
 - Equipment Group(s): FLAT, IFLT
 - Remove Permissible Value:
 - E - Hopper with Excessive Outside Width when pickup shoes are extended
- Journal Size (A147)

- Equipment Group(s): FLAT, IFLT, VFLT
 - Remove Permissible Value:
 - H - 7 X 14
- Wheel Diameter (A294)
 - Equipment Group(s): FLAT
 - Remove Permissible Value:
 - 30 - 30 Inches
- Wheel Diameter (A294)
 - Equipment Group(s): IFLT
 - Remove Permissible Value:
 - 28 - 28 inches
 - 30 - 30 Inches
- Outside Length (OSLG)
 - Equipment Group(s): IFLT
 - Decreased Maximum Range Value:
 - **Old:** 2330 ft 0 inches
 - **New:** 720 ft 0 inches
- Outside Length (OSLG)
 - Equipment Group(s): VFLT
 - Decreased Minimum Range Value:
 - **Old:** 24 ft 0 inches
 - **New:** 86 ft 2 inches
 - Decreased Maximum Range Value:
 - **Old:** 2330 ft 0 inches
 - **New:** 854 ft 3 inches
- Truck Center Length (A276)
 - Equipment Group(s): IFLT
 - Decreased Maximum Range Value:
 - **Old:** 76 ft 11 inches
 - **New:** 67 ft 0 inches
- Unit Tare Weight (A299)
 - Equipment Group(s): IFLT
 - Increased Minimum Range Value:
 - **Old:** 10000
 - **New:** 23000
 - Decreased Maximum Range Value:
 - **Old:** 500000
 - **New:** 120000
- Unit Tare Weight (A299)
 - Equipment Group(s): VFLT
 - Increased Minimum Range Value:
 - **Old:** 10000

*Indicates this is a new element.

- **New: 65000**
 - Decreased Maximum Range Value:
 - **Old: 500000**
 - **New: 136000**
- Unit Tare Weight (A300)
 - Equipment Group(s): VFLT
 - Increased Minimum Range Value:
 - **Old: 20000**
 - **New: 36000**
 - Decreased Maximum Range Value:
 - **Old: 500000**
 - **New: 150000**
- Unit Load Limit (A300)
 - Equipment Group(s): IFLT
 - Increased Minimum Range Value:
 - **Old: 20000**
 - **New: 70000**
 - Decreased Maximum Range Value:
 - **Old: 500000**
 - **New: 300000**
- Outside Extreme Width (A186)
 - Equipment Group(s): VFLT
 - Increased Minimum Range Value:
 - **Old: 7 ft 0 inches**
 - **New: 9 ft 6 inches**
 - Decreased Maximum Range Value:
 - **Old: 12 ft 7 inches**
 - **New: 10 ft 8 inches**
- Truck Count (B256)
 - Equipment Group(s): VFLT
 - Increased Maximum Range Value:
 - **Old: 4**
 - **New: 18**
- Axle Count (A024)
 - Equipment Group(s): VFLT
 - Increased Minimum Range Value:
 - **Old: 2**
 - **New: 4**
 - Increased Maximum Range Value:
 - **Old: 999**
 - **New: 36**
- Floor Material (A104)

*Indicates this is a new element.

- Equipment Group(s): VFLT
- Remove Permissible Value:
 - 05 - Composite Nailable (considered same as wood)
 - 06 - Composite Nailable, Reinforced (considered same as wood)
 - 14 - Other
 - 21 - Steel Floor, (straight deck) without risers (F 8)
 - 24 - Steel Nailable, Reinforced (includes alternate wood and steel floor)
 - 27 - Unknown (Flats Only)
 - 30 - Wood
 - 32 - Wood, Double
 - 33 - Wood, Double, Reinforced
 - 34 - Wood Floor with Steel Protective Plates (includes perforated steel)
 - 35 - Wood Floor, Reinforced, with Steel Protective Plates (includes perforated steel)
 - 36 - Wood Floor, Reinforced
- SS End Door Design (B154)
 - Equipment Group(s): VFLT
 - Remove Permissible Value:
 - NTEQ - Not Equipped
- Stub Sill Design Type (A251)
 - Equipment Group(s): TANK
 - Removed Permissible Value(s):
 - ARI410
 - BNL001
 - DSLJKL
 - GAT090
 - GAT097
 - GAT099
 - GAT100
 - GAT18A
 - HARHAR
 - HSTABC
 - PRO00F
 - PROCWO
 - PROFBR
 - PROZBL
 - TWLTLWL
 - UTLZBF
- **Business Rule Changes - New/Changed or Updated/Removed Rules**
 - Dedicated Service Type (B346)
 - Equipment Group(s): FLAT
 - Updated Rule:

- **Old:** The Dedicated Service Type can only be set for FMS Flat cars
 - **New:** Dedicated Service Type can only be reported if Mechanical Designation (UMMD) is FMS.
- Gross Rail Load/Weight (A266)
 - Equipment Group(s): FLAT
 - Removed Rule:
 - **Removed:** UnStarred 4 Axle Cars with a Journal Size of G must have Gross Weight equal to 315,000 lbs.
- Tare Weight (A259)
 - Equipment Group(s): FLAT
 - Removed Rule:
 - **Removed:** Tare Weight for all non-articulated FLAT must be less than 500000 lbs.
 - Updated Rule:
 - **Old:** Tare Weight (A259) value must be reported to the nearest 100 pounds if Weighing Date (A288)
 - **New:** Tare Weight (A259) value must be reported to the nearest 100 pounds
- Tare Weight (A259)
 - Equipment Group(s): IFLT
 - Removed Rule:
 - **Removed:** IFlat Cars of ETC Q_1_ can only have a minimum Tare Weight of 23,000 lbs.
 - **Removed:** IFlat Cars of ETC P___ and S_1_ must have a minimum Tare Weight of 33,100 lbs.
 - **Removed:** IFlat Cars of ETC S_2_ must have a minimum Tare Weight of 33,100 lbs.
 - **Removed:** IFlat Cars of Equipment Type codes P--- and S-1-, can only have a Max Tare Weight of 500000 lbs.
 - **Removed:** IFlat Cars of Equipment Type codes S-2-, can only have a max Tare Weight of 500000 lbs.
 - **Removed:** IFlat Cars of Equipment Type codes Q-2- to Q-0- & S-3- to S-8-, can only have a Min Tare Weight of 20000 lbs.
 - **Removed:** IFlat Cars of Equipment Type codes Q-2- to Q-0- & S-3- to S-8-, can only have a Min Tare Weight of 20000 lbs.
 - **Removed:** IFlat Cars of ETC Q_2_ to Q_0_ and S_3_ to S_8_ can only have a maximum Tare Weight of 360,000 lbs.
 - Updated Rule:
 - **Old:** Tare Weight (A259) value must be reported to the nearest 100 pounds if Weighing Date (A288)
 - **New:** Tare Weight (A259) value must be reported to the nearest 100 pounds
 - **Old:** IFlat Cars of ETC Q_1_ can only have a maximum Tare Weight of 70,000 lbs.

- **New:** Tare Weight of IFLT with ETC of Q_1_ must be less than or equal to 70,000 lbs.
- **Added Rules:**
 - **Added:** Tare Weight (A259) of IFLT with a blank Connected Unit Count (A020) must contain values between 43000 lbs. and 102000 lbs.
 - **Added:** Tare Weight (A259) of IFLT where Connected Unit Count (A020) is 2, must contain values between 86000 lbs. and 204000 lbs.
 - **Added:** Tare Weight (A259) of IFLT where Connected Unit Count (A020) is 3, must contain values between 96000 lbs. and 306000 lbs.
 - **Added:** Tare Weight (A259) of IFLT where Connected Unit Count (A020) is 4, must contain values between 141000 lbs. and 408000 lbs.
 - **Added:** Tare Weight (A259) of IFLT where Connected Unit Count (A020) is 5, must contain values between 152000 lbs. and 510000 lbs.
 - **Added:** Tare Weight (A259) of IFLT where Connected Unit Count (A020) is 6, must contain values between 258000 lbs. and 612000 lbs.
 - **Added:** Tare Weight (A259) of IFLT where Connected Unit Count (A020) is 7, must contain values between 301000 lbs. and 714000 lbs.
 - **Added:** Tare Weight (A259) of IFLT where Connected Unit Count (A020) is 8 must contain values between 344000 lbs. and 816000 lbs.
 - **Added:** Tare Weight (A259) of IFLT where Connected Unit Count (A020) is 9, must contain values between 387000 lbs. and 918000 lbs.
- **Load Limit (LDLT)**
 - **Equipment Group(s):** IFLT
 - **Removed Rule:**
 - **Removed:** Iflat Cars of Equipment Type codes Q-2- to Q-9- and S-3- to S-8- can only have a max Load Limit of 200000 lbs.
 - **Added Rule:**
 - **Added:** Load Limit (LDLT) of IFLT with a blank Connected Unit Coun (A020) must contain values between 69000 lbs. and 229000 lbs.
 - **Added:** Load Limit (LDLT) of IFLT where Connected Unit Count (A020) is 2, must contain values between 138000 lbs. and 458000 lbs.
 - **Added:** Load Limit (LDLT) of IFLT where Connected Unit Count (A020) is 3, must contain values between 207000 lbs. and 687000 lbs.

- **Added:** Load Limit (LDLT) of IFLT where Connected Unit Count (A020) is 4, must contain values between 276000 lbs. and 916000 lbs.
- **Added:** Load Limit (LDLT) of IFLT where Connected Unit Count (A020) is 5, must contain values between 336000 lbs. and 1145000 lbs.
- **Added:** Load Limit (LDLT) of IFLT where Connected Unit Count (A020) is 6, must contain values between 414000 lbs. and 1374000 lbs.
- **Added:** Load Limit (LDLT) of IFLT where Connected Unit Count (A020) is 7, must contain values between 483000 lbs. and 1603000 lbs.
- **Added:** Load Limit (LDLT) of IFLT where Connected Unit Count (A020) is 8, must contain values between 552000 lbs. and 1832000 lbs.
- **Added:** Load Limit (LDLT) of IFLT where Connected Unit Count (A020) is 9, must contain values between 621000 lbs. and 2061000 lbs.
- Cubic Feet Capacity (A067)
 - Equipment Group(s): FLAT
 - Removed Rule:
 - **Removed:** Cubic Feet Capacity of a non-articulated Permanent Container must be less than 9500 cubic feet
 - Removed Note:
 - **Removed:** Plate Codes B, C, E, F, and G are valid for FLATs
- Star Code (A247)
 - Equipment Group(s): FLAT, IFLT
 - Removed Rule:
 - **Removed:** 4-axle Cars with Star Codes of S or R must not exceed Gross Weight of 263,000 lbs. when Journal Size is A, B, C, D, or E
 - **Removed:** Journal Sizes having Star Code of S must have a Gross Weight that is less than the calculated Gross Weight with rounding applied
 - **Removed:** UnStarred 4 Axle Cars reporting Increased Gross Rail Load (IGRL) of 2 or 3 must have a Gross Weight greater than or equal to 264,000 lbs.
 - **Removed:** Starred 4 axle cars with IGRL of 1 must have a Wheel Size of 36 inches when Gross Weight is less than 286,000 lbs.
 - **Removed:** Starred 4 Axle Cars with Increased Gross Rail Load (IGRL) reported must have a Journal Size of K, G, or M
 - Added Notes:
 - **Added (FLAT, VFLT):** Equipment having Qualification for Increased Rail Load of 1 or 2, and a Gross Rail Load (A266) less than 286,000 lbs., must have Star Code (A247) of S.

- **Added (FLAT, VFLT):** Equipment having Qualification for Increased Gross Rail Load (B344) of 3, and a Gross Rail Load (A266) less than 268,000 lbs., must have Star code of S.
 - **Added (FLAT, IFLT, VFLT):** Star Code must be reported if Gross Rail Load (A266) is less than the maximum gross rail load allowed for the reported combination of Axle Count (A024) and Journal Size (A147).
- Qualification for Increased GRL (B344)
 - Equipment Group(s): FLAT, IFLT, VFLT
 - Removed Rule:
 - **Removed:** 4-axle Cars reporting Increased Gross Rail Load (IGRL) of 3, or reporting IGRL of 1 or 2 and having an S Star Code must have a Gross Weight that does not exceed 286,000 lbs.
 - **Removed:** 4-axle Cars with Increased Gross Rail Load (IGRL) of 2 or 3 must have a Journal Size of F or K
 - **Removed:** 4-axle Rule 88 Cars require a Wheel Size of 36 or 38 inches for Gross Weight greater than 263,000 and less than or equal to 286,000 lbs.
 - **Removed:** 4-axle Cars with Increased Gross Rail Load (IGRL) of 1 or 2 having no Star Code and a Journal Size of other than F or K, must have a Gross Weight greater than or equal to 263,000 lbs. and less than or equal to 286,000 lbs.
 - **Removed:** 4-axle equipment with Increased Gross Rail Load (IGRL) of 1 and having no Star Code (A247) must have a Journal Size (A147) of G, K, or M
 - **Removed:** 4-axle equipment having Qualification for Increased Gross Rail Load of 2 or 3 must have a Journal Size (A147) of F or K
 - **Removed:** Unstarred 4 Axle Cars with Increased Gross Rail Load of 2 or IGRL of 1 and Journal Size K must have a Wheel Size of 36 inches
 - Added Rule:
 - **Added:** Equipment having Qualification for Increased Gross Rail Load of 1 or 2 must have a Gross Rail Load (A266) that does not exceed 286,000 lbs.
 - **Added:** Equipment having Qualification for Increased Gross Rail Load of 3 must have a Gross Rail Load (A266) that does not exceed 268,000 lbs.
 - **Added:** Equipment having Qualification for Increased Gross Rail Load of 1 must have a Journal Size (A147) of K, G, or M
 - **Added:** Equipment having Qualification for Increased Rail Load of 2 or 3 must have a Journal Size (A147) of F or K
 - **Added:** Equipment having Qualification for Increased Gross Rail Load of 1, 2, or 3 must have a Wheel Diameter (A294) of 36 or 38
 - **Added:** Equipment having Qualification for Increased Gross Rail Load (B344) of 3 and a Gross Rail Load (A266) less than 268,000 lbs., must have Star Code of S

- **Added:** If Connected Unit Count (A020) is not reported, different Wheel Diameters cannot be reported
- Added Note:
 - **Added:** Qualification for Increased Gross Rail Load must be granted by the AAR, and applies only to 4-axle equipment approved for gross rail loads greater than 263,000 lbs. and less than or equal to 286,000 lbs. It does NOT apply to 4-axle, 315,000 lbs. gross rail load equipment operating with a Star Code.
- CC Side Bearing Type (A146)
 - Equipment Group(s): FLAT
 - Updated Note:
 - **Old:** For Mechanical Designation (UMMD) FB, FBC, FBS, Constant Contact Side Bearings (A146) are mandatory. If NOT reported Mechanical Restriction “X” and Mechanical Restriction Reason “N” will be applied to car.
 - **New:** For Mechanical Designation (UMMD) FB, FBC, FBS, Constant Contact Side Bearing Type is mandatory. If not reported, Mechanical Restriction “X” and Mechanical Restriction Reason “N” will be applied to car.
- Floor Cradle/Trough Eqpd (A103)
 - Equipment Group(s): FLAT
 - Updated Rule:
 - **Old:** If Dedicated Service Type (B346) is set to Coiled Steel then Floor Cradle/Trough must be set
 - **New:** If Dedicated Service Type (B346) is set to Coiled Steel then Floor Cradle/Trough must be reported
 - Removed Rule:
 - **Removed:** Steel Coil Aluminum Loading must not be reported, if the Floor Cradle/Trough Orientation and Floor Cradle/Trough Equipped are not reported
 - **Removed:** Floor Cradle/Trough Orientation must not be reported, if the Floor Cradle/Trough Equipped is not reported
- Equipment Builder (A035)
 - Equipment Group(s): FLAT, IFLT
 - Updated Rule:
 - **Old:** Equipment built on or after July 1, 2010 cannot have a Builder Code of Owner Railroad
 - **New:** Equipment built on or after July 1, 2010 cannot have an Equipment Builder of OWNER RAILROAD
- Floor Material (A104)
 - Equipment Group(s): FLAT
 - Updated Rule:
 - **Old:** Floor Material for Center Beam Flats with Mechanical Designation of (FBC or FDC) must be options 21 (Steel), 22 (Steel)

w/ Risers), 25 (Steel Reinforced), 27 (Undetermined), 30 (Wood). If Mechanical Designation of FBC and Floor Material of 22 (Steel w/ Risers), Steel Riser Equipped (B200) is not reportable.

- **New:** Floor Material for Center Beam Flats with Mechanical Designation (UMMD) of (FBC or FDC) must be options 21 (Steel), 22 (Steel w/ Risers), 25 (Steel Reinforced), 27 (Undetermined), 30 (Wood).
- Added Rule:
 - **Added:** Equipment built or rebuilt on or after June 15, 2023 cannot report value of Other or Unknown
- Floor Material (A104)
 - Equipment Group(s): IFLT
 - Remove Rule:
 - **Removed:** If Mechanical Designation (UMMD) is FBC and Floor Material is 22 (Steel w/ Risers), Steel Riser Equipped (B200) is not reportable
- Bulkhead Type (B034)
 - Equipment Group(s): FLAT
 - Updated Rule:
 - **Old:** Bulkhead Type can only be reported on Flat cars with Mechanical Designations of FL, FB, or FBS
 - **New:** Bulkhead Type can only be reported on Flat cars with Mechanical Designations (UMMD) of FL, FB, or FBS
 - **Old:** Bulkhead Type on a Flat car with Mechanical Designation of FL can only be reported as Fixed
 - **New:** Bulkhead Type on a Flat car with Mechanical Designation (UMMD) of FL can only be reported as Fixed Ends
- Canopy Equipped (B266)
 - Equipment Group(s): FLAT
 - Updated Rule:
 - **Old:** Canopy Equipped can only be reported on Flat car with Mechanical Designations of FBS or FMS
 - **New:** Canopy Equipped can only be reported on Flat car with Mechanical Designations (UMMD) of FBS or FMS
 - **Old:** If Dedicated Service Type is set to Airplane Wings/Fuselage then Canopy Equipped must be set to Y
 - **New:** If Dedicated Service Type (B346) is set to Airplane Wings/Fuselage then Canopy Equipped must be set to Y
- Chains and Binders Eqpd (B267)
 - Equipment Group(s): FLAT
 - Updated Rule:
 - **Old:** Chains and Binders Equipped can only be reported on Flat cars with Mechanical Designation of (FB, FC, FMS, FBS, FBC, or FL)

- **New:** Chains and Binders Equipped can only be reported on Flat cars with Mechanical Designation (UMMD) of (FB, FC, FMS, FBS, FBC, or FL)
- Tie Down Assembly Non-FA (B271)
 - Equipment Group(s): FLAT
 - Updated Rule:
 - **Old:** Tie Down Assemblies are only applicable to cars with Flat Mechanical Designation of FB, FBC, FBS, FD, FDC, FL, FM, FMS, FW, or LP
 - **New:** Tie Down Non Nylon Web Securement is only applicable to cars with Flat Mechanical Designation (UMMD) of FB, FBC, FBS, FD, FDC, FL, FM, FMS, FW, or LP
- Spring Tensioning Device (B198)
 - Equipment Group(s): FLAT
 - Updated Rule:
 - **Old:** Spring Tensioning Devices are only applicable to cars with Flat Mechanical Designation of (FB, FBC, FBS, or FMS)
 - **New:** Spring Tensioning Devices (B198) are only applicable to cars with Flat Mechanical Designation of (FB, FBC, FBS, or FMS)
- Steel Riser Equipped (B200)
 - Equipment Group(s): FLAT
 - Updated Rule:
 - **Old:** Steel Riser Equipped is only applicable to Flat cars with Mechanical Designations of (FB, FBS, FMS, MW, MWG, or MWRC). If Mechanical Designation is FBC and steel risers are present, then report Floor Material (A104) as 22 (Steel Floor, permanently mounted steel risers)
 - **New:** Steel Riser Equipped (B200) is only applicable to Flat cars with Mechanical Designations (UMMD) of (FB, FBS, FMS, MW, MWG, or MWRC). If Mechanical Designation (UMMD) is FBC and steel risers are present, then report Floor Material (A104) as 22 (Steel Floor, permanently mounted steel risers).
- Steel Riser Equipped (B200)
 - Equipment Group(s): FLAT
 - Add Rule:
 - **New:** All Flat Cars with Mechanical Designation (UMMD) of FM or FMS must report Stake Pocket Locations of S or B. (Per Field Manual Rule 88, A, 15, b, (2))
- Permanent Cont Material (A055)
 - Equipment Group(s): FLAT
 - Updated Rule:
 - **Old:** Container Material can only be reported on Flat cars with Permanent Containers

- **New:** Permanent Container Material (A055) can only be reported on Flat cars with where Permanent Container (B054) is populated
- Axle Spacing Distance (B020)
 - Equipment Group(s): FLAT
 - Add Rule:
 - **New:** Axle Space Unknown is not a permissible value for equipment with a Built Date (BDLT) on or after January 1, 1980
- Journal Size (A147)
 - Equipment Group(s): FLAT
 - Added Note:
 - **Added:** 4-axle equipment with 28 inch diameter, 1-wear wheels, are limited to a Gross Rail Load (A266) of 195,000 lbs.
 - Remove Rule:
 - **Removed:** 4-axle equipment with Journal Size B and Star Code (A247) is not populated, must have Gross Rail Load (A266) of 103,000 lbs.
 - **Removed:** Journal Size B (4 1/4 x 8) requires a Gross Weight of 154,000 lbs. for 6-axle cars unless the car is Star Coded
 - **Removed:** 4-axle equipment with Journal Size C and Star Code (A247) is not populated, must have Gross Rail Load (A266) of 142,000 lbs.
 - **Removed:** Journal Size C (5 x 9) requires a Gross Weight of 213,000 lbs. for 6-axle cars unless the car is Star Coded
 - **Removed:** 4-axle equipment with Journal Size D and Star Code (A247) is not populated, must have Gross Rail Load (A266) of 177,000 lbs.
 - **Removed:** Journal Size D (5 1/2 x 10) requires a Gross Weight of 265,000 lbs. for 6-axle cars unless the car is Star Coded
 - **Removed:** 4-axle equipment with Journal Size E and Star Code (A247) is not populated, must have Gross Rail Load (A266) of 220,000 lbs.
 - **Removed:** Journal Size E (6 x 11) requires a Gross Weight of 179,000 lbs. for 4-axles ETC P---, Q---, V--- cars only (cars with 28 inch wheels) unless the car is Star Coded
 - **Removed:** Journal Size E (6 x 11) requires a Gross Weight of 330,000 lbs. for 6-axles
 - **Removed:** 4-axle equipment with Journal Size F or K, Star Code (A247) is not populated, and Qualification for Increased Gross Rail Load (B344) is not populated, must have Gross Rail Load (A266) of 263,000 lbs.
 - **Removed:** 4-axle equipment with Journal Size F or K, Star Code (A247) is not populated, and Qualification for Increased Gross Rail Load (B344) of 1 or 2, must have Gross Rail Load (A266) of 286,000 lbs.
 - **Removed:** Journal Size F requires a Gross Weight of 394,500 lbs. or 429,000 lbs. for 6-axle cars unless the car is Star Coded.

- **Removed:** 4-axle equipment with Journal Size G or M, Star Code (A247) is not populated, and Qualification for Increased Gross Rail Load (B344) is not populated, must have Gross Rail Load (A266) of 315,000 lbs.
 - **Removed:** 4-axle equipment with Journal Size G, K, or M, Star Code (A247) is not populated, and Qualification for Increased Gross Rail Load (B344) of 1, must have Gross Rail Load (A266) of 286,000 lbs.
 - **Removed:** Journal Size G (7 x 12) requires a Gross Weight of 472,000 lbs. for 6-axle cars unless the car is Star Coded
 - **Removed:** Journal Size H (7 x 14) requires a Gross Weight of 315,000 lbs. for 4-axle cars unless the car is Star Coded
 - **Removed:** Journal Size H (7 x 14) requires a Gross Weight of 472,000 lbs. for 6-axle cars unless the car is Star Coded
 - **Removed:** Journal Size I (6 x 11 and 6 1/2 x 12) or J (6 x 11 and 7 x 12) are only applicable to articulated or draw-bar cars
 - **Removed:** Journal Size Code M (7 x 9) requires a Gross Weight of 472,000 lbs. for 6-axles
 - **Removed:** Unstarred 4 Axle Cars with GRL of 315,000 and no IGRL reported and Unstarred cars with Journal Size of G or M must have a Wheel Size of 38 inches
 - **Removed:** Gross Weight must be 394,000 lbs. for 6 -axle cars with Journal Size K
- Journal Size (A147)
 - Equipment Group(s): IFLT
 - Add Note:
 - **Added:** A, B, and C Journal Sizes are restricted from interchange and will receive the Mechanical Restriction XJ
 - Add Rule:
 - **Added:** 4-axle equipment with Journal Size F or K, Star Code (A247) is not populated, and Qualification for Increased Gross Rail Load (B344) of 3, must have Gross Rail Load (A266) of 286,000 lbs.
 - **Added:** 4-axle equipment with Journal Size G, K, or M, Star Code (A247) is not populated, and Qualification for Increased Gross Rail Load (B344) of 1, must have Gross Rail Load (A266) of 286,000 lbs.
 - Removed Rule:
 - **Removed:** Journal Size B (4 1/4 x 8) requires a Gross Weight of 154,000 lbs. for 6-axle cars unless the car is Star Coded
 - **Removed:** Journal Size C (5 x 9) requires a Gross Weight of 213,000 lbs. for 6-axle cars unless the car is Star Coded
 - **Removed:** Journal Size D (5 1/2 x 10) requires a Gross Weight of 265,000 lbs. for 6-axle cars unless the car is Star Coded
 - **Removed:** Journal Size E (6 x 11) requires a Gross Weight of 179,000 lbs. for 4-axles ETC P---, Q---, V--- cars only (cars with 28 inch wheels) unless the car is Star Coded

- **Removed:** Journal Size E (6 x 11) requires a Gross Weight of 330,000 lbs. for 6-axes
 - **Removed:** Journal Size F requires a Gross Weight of 394,500 lbs. or 429,000 lbs. for 6-axle cars unless the car is Star Coded.
 - **Removed:** Journal Size G (7 x 12) requires a Gross Weight of 472,000 lbs. for 6-axle cars unless the car is Star Coded
 - **Removed:** Journal Size H (7 x 14) requires a Gross Weight of 315,000 lbs. for 4-axle cars unless the car is Star Coded
 - **Removed:** Journal Size H (7 x 14) requires a Gross Weight of 472,000 lbs. for 6-axle cars unless the car is Star Coded
 - **Removed:** Journal Size I (6 x 11 and 6 1/2 x 12) or J (6 x 11 and x 12) are only applicable to articulated or draw-bar cars
 - **Removed:** Journal Size Code M (7 x 9) requires a Gross Weight of 472,000 lbs. for 6-axes
 - **Removed:** Unstarred 4 Axle Cars with GRL of 315,000 and no IGRL reported and Unstarred cars with Journal Size of G or M must have a Wheel Size of 38 inches
 - **Removed:** Gross Weight must be 394,000 lbs. for 6 -axle cars with Journal Size K
- Journal Size (A147)
 - Equipment Group(s): VFLT
 - Add Note:
 - **Added:** A, B, and C Journal Sizes are restricted from interchange and will receive the Mechanical Restriction XJ
 - **Added:** 4-axle equipment with 28 inch diameter, 1-wear wheels, is limited to a Gross Rail Load (A266) of 195,000 lbs.
 - Removed Rule:
 - **Removed:** Journal Size B (4 1/4 x 8) requires a Gross Weight of 154,000 lbs. for 6-axle cars unless the car is Star Coded
 - **Removed:** Journal Size C (5 x 9) requires a Gross Weight of 213,000 lbs. for 6-axle cars unless the car is Star Coded
 - **Removed:** Journal Size D (5 1/2 x 10) requires a Gross Weight of 265,000 lbs. for 6-axle cars unless the car is Star Coded
 - **Removed:** Journal Size E (6 x 11) requires a Gross Weight of 179,000 lbs. for 4-axes ETC P---, Q---, V--- cars only (cars with 28 inch wheels) unless the car is Star Coded
 - **Removed:** Journal Size E (6 x 11) requires a Gross Weight of 330,000 lbs. for 6-axes
 - **Removed:** Journal Size F requires a Gross Weight of 394,500 lbs. or 429,000 lbs. for 6-axle cars unless the car is Star Coded.
 - **Removed:** Journal Size G (7 x 12) requires a Gross Weight of 472,000 lbs. for 6-axle cars unless the car is Star Coded
 - **Removed:** Journal Size H (7 x 14) requires a Gross Weight of 315,000 lbs. for 4-axle cars unless the car is Star Coded
 - **Removed:** Journal Size H (7 x 14) requires a Gross Weight of 472,000 lbs. for 6-axle cars unless the car is Star Coded
 - **Removed:** Journal Size I (6 x 11 and 6 1/2 x 12) or J (6 x 11 and x 12) are only applicable to articulated or draw-bar cars

- **Removed:** Journal Size Code M (7 x 9) requires a Gross Weight of 472,000 lbs. for 6-axes
 - **Removed:** Unstarred 4 Axle Cars with GRL of 315,000 and no IGRL reported and Unstarred cars with Journal Size of G or M must have a Wheel Size of 38 inches
 - **Removed:** Gross Weight must be 394,000 lbs. for 6 -axle cars with Journal Size K
- Wheel Diameter (A294)
 - Equipment Group(s): FLAT, IFLT, VFLT
 - Updated Rule:
 - **Old:** Cars with an Increased Gross Rail Load of 1 and Journal of G or M must have a Wheel Diameter of 38 inches
 - **New:** Equipment with a Qualification for Increased Gross Rail Load (B344) of 1 and Journal Size (A147) of G or M must have a Wheel Diameter of 38
 - Added Rule:
 - **Added:** Equipment with Qualification for Increased Gross Rail Load (B344) of 1, and Journal Size (A147) of K, must have a Wheel Diameter of 36
 - Removed Rule:
 - **Removed:** UnStarred Cars with Gross Weight of 286,000 lbs. and Increased Gross Rail Load of 2 must have a Wheel Diameter of 36 inches
 - **Removed:** UnStarred Cars with Gross Weight of 286,000 lbs. and Increased Gross Rail Load of 2 must have a Wheel Diameter of either 36 or 38 inches
- Coupler Style (B058)
 - Equipment Group(s): FLAT
 - 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) is reported as Center of Car or End of Car then Inches of Travel (B061) must also be reported
 - Removed Rule:
 - **Removed:** If Draft System Type (B073) is H (Hydraulic) then Coupler Style (B058) cannot be reported as M (Solid Drawbar) or L (Rotary Drawbar)
 - **Removed:** If Draft System Type (B073) is E then Coupler Style (B058) cannot be reported as L or R
- Inches of Travel (B061)
 - Equipment Group(s): FLAT
 - 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) is reported as Center Of Car or End Of Car then Inches of Travel (B061) must also be reported

- Outside Length (OSLG)
 - Equipment Group(s): IFLT
 - Removed Rule:
 - **Removed:** Outside Length (OSLG) on freight cars must exceed the Inside Length (A135) by 2 feet or more
- Truck Center Length (A276)
 - Equipment Group(s): IFLT
 - Removed Rule:
 - **Removed:** Truck Center Length must be a minimum of 15 feet for cars with an Outside Length greater than 62 feet 6 inches
 - Updated Rule:
 - **Old:** Truck Center Length is required for cars with an Outside Length of greater than 62 feet 6 inches
 - **New:** Truck Center Length is required for cars with an Outside Length (OSLG) of greater than 62 feet 6 inches
- Unit Equipment Group (A307)
 - Equipment Group(s): IFLT, VFLT
 - Updated Rule:
 - **Old:** Unit Equipment Group requires Connected Unit Count (A020) be reported
 - **New:** Unit Equipment Group Can only be reported if Connected Unit Count (A020) is reported
- Unit Tare Weight (A299)
 - Equipment Group(s): IFLT, VFLT
 - Removed Rule:
 - **Removed:** Unit Tare Weight for Boxcars must be less than or equal 160,000 lbs.
 - **Removed:** Unit Tare Weight for Refrigerators must be less than or equal 140,000 lbs.
 - **Removed:** Unit Tare Weight for Gondolas must be greater than or equal 30,000 lbs.
 - **Removed:** Unit Tare Weight for Gondolas must be less than or equal 110,000 lbs.
 - **Removed:** Unit Tare Weight for Hoppers must be greater than or equal 23,000 lbs.
 - **Removed:** Unit Tare Weight for Hoppers must be less than 120,000 lbs.
 - **Removed:** Unit Tare Weight for Tanks must be greater than 31,000 lbs.
 - **Removed:** Unit Tare Weight for Tanks must be less than 200,000 lbs.
 - **Removed:** Unit Tare Weight for Vflats must be greater than 55,000 lbs.
 - **Removed:** Unit Tare Weight for VFlats must be less than 136,000 lbs.

- **Removed:** Unit Tare Weight for IFLT must be greater than 10,000 lbs.
 - **Removed:** Unit Tare Weight for IFLT must be less than 72,000 lbs.
 - **Removed:** Unit Tare Weight for all flats other than VFlats with ETC Q___ must be greater than 23,000 lbs.
 - **Removed:** Unit Tare Weight for all flats other than VFlats with ETC Q___ must be less than 500,000 lbs.
 - **Removed:** Unit Equipment Group Can only be reported if Connected Unit Count (A020) is reported
- Unit Load Limit (A300)
 - Equipment Group(s): IFLT, VFLT
 - Update Rule:
 - **Old:** Unit Load Limit must not be reported if the Connected Unit Count (A020) is not reported
 - **New:** Unit Load Limit cannot be reported if the Connected Unit Count (A020) is not reported
- Connected Unit Count (A300)
 - Equipment Group(s): IFLT
 - Update Rule:
 - **Old:** Connected Unit Count must be reported for equipment with equipment descriptors of FCLA or FCWA
 - **New:** Connected Unit Count must be reported if Equipment Descriptor (B341) is reported as FCLA, FCM, or FCWA.
 - **Old:** Connected Unit Count cannot be reported for equipment with equipment descriptors FCL, FCW, or FCC
 - **New:** Connected Unit Count cannot be reported if Equipment Descriptor (B341) is reported as FCC, FCL, or FCW.
- Tare Weight (A259)
 - Equipment Group(s): IFLT
 - Remove Rule:
 - **Remove:** Tare Weight for all non-articulated VFLT must be less than 136000 lbs.
 - Added Rule:
 - **Added:** Tare Weight (A259) of VFLT with a blank Connected Unit Count (A020) must contain values between 70000 lbs. and 136000 lbs.
 - **Added:** Tare Weight (A259) of VFLT where Connected Unit Count (A020) is 2 must contain values between 140000 lbs. and 272000 lbs.
- Load Limit (LDLT)
 - Equipment Group(s): VFLT
 - Add Rule:

- **Added:** Load Limit (LDLT) of VFLT with a blank Connected Unit Count (A020) must contain values between 50000 lbs. and 150000 lbs.
 - **Added:** Load Limit (LDLT) of VFLT where Connected Unit Count (A020) is 2 must contain values between 80000 lbs. and 300000 lbs.
- Plate Code (A046)
 - Equipment Group(s): VFLT
 - Removed Note:
 - **Removed:** Report J: If clearance does not exceed Plate J.
 - **Removed:** Report K: If clearance is greater than Plate J, but does not exceed Plate K.
 - **Removed:** Report G: If clearance exceeds Plates J or K.
 - **Removed:** There is no AAR Plate G. Clearance Code G is included in Umler to represent equipment that does not fit any existing AAR clearance plates.
 - **Removed:** Plates G, J, and K must agree with stenciling on the side of equipment that exceeds Plate F.
- Outside Length (OSLG)
 - Equipment Group(s): VFLT
 - Removed Rule:
 - **Removed:** Outside Length for a V-Flat must be less than 124 feet
 - **Removed:** Outside Length (OSLG) on refrigerator cars (Mechanical Designation RB, RBL, RP, RPL, or RC) must not exceed Inside Length (A135) by more than 26 feet
 - Added Rule:
 - **Added:** Outside Length (OSLG) of VFLT with a blank Connected Unit Count (A020) must contain values between 86 feet 2 inches and 94 feet 11 inches
 - **Added:** Outside Length (OSLG) of VFLT where Connected Unit Count (A020) is 2 must contain values between 172 feet 4 inches and 189 feet 4 inches
- Outside Extreme Width (A186)
 - Equipment Group(s): VFLT
 - Removed Rule:
 - **Removed:** Outside Extreme Width must not exceed 10 feet 8 inches for Plate Codes B, C, E, F, H, I, J, or K
 - **Removed:** Outside Extreme Width (A186) for Plate Code A must not be less than 10 feet 8 inches.
 - **Removed:** Outside Extreme Width (A186) for Plate Code A must not exceed 10 feet 10 inches.
- Floor Material (A104)
 - Equipment Group(s): VFLT
 - Remove Note:

- **Removed:** If Mechanical Designation (UMMD) is FBC and Floor material is 22 (Steel w/ Risers), Steel Riser Equipped (B200) is not reportable
- Superstructure Built Date (SBDT)
 - Equipment Group: VFLT
 - Update Validation Rule:
 - **Old:** VFlat Superstructure Build Date should not be set if Superstructure is integrated with car
 - **New:** Superstructure Built Date cannot be set if Superstructure is integrated with car
 - **Old:** VFlat Superstructure Build Date (SBDT) must be set if SS Integrated with Car (B342) is blank
 - **New:** Superstructure Built Date must be set if SS integrated with car (B342) is blank
 - **Old:** Superstructure Built Date on Vflats must be within the last 100 years
 - **New:** Superstructure Built Date must be within the last 100 years
- SS Rebuilt Date (SRDT)
 - Equipment Group: VFLT
 - Update Validation Rule:
 - **Old:** Vflat Superstructure Rebuild Date should not be set if Superstructure is integrated with car.
 - **New:** Superstructure Rebuilt Date cannot be set if Superstructure is integrated with car
 - **Old:** Superstructure Built Date on Vflat must be prior to Superstructure Rebuilt Date
 - **New:** Superstructure Built Date must be prior to Superstructure Rebuilt Date
- Autorack Category (ARCG)
 - Equipment Group: VFLT
 - Remove Validation Rule:
 - **Removed:** When the SS Integrated with Car (B342) equals Y, and the Built Date (BLDT) or Rebuilt Date (RBDT) of the VFLT is changed, and an Autorack Inspection has been reported, the value of Autorack Category (ARCG) will be reset to 1.
 - Add Validation Rule:
 - **Added:** When the SS Integrated with Car (B342) equals Y, and a change in the Built Date (BLDT) should not reset the Autorack Category - only a change in the Rebuilt Date (RBDT) of the VFLT is changed, and an Autorack Inspection has been reported, the value of Autorack Category (ARCG) will be reset to 1.
 - **Added:** If SS Integrated with Car (B342) is blank, and a newer SS Rebuilt Date (SRDT) or Autorack Certification Inspection (ARC) date is entered, a new Autorack Inspection (ARI) is generated, and the Autorack Category is reset to “1”

- **Added:** If SS Integrated with Car (B342) is “Y”, and a newer Rebuilt Date (RBDT) or Autorack Certification Inspection (ARC) date is entered, a new Autorack Inspection (ARI) is generated, and the Autorack Category is reset to “1”.
- SS Rate Indicator (A019)
 - Equipment Group: VFLT
 - Update Validation Rule:
 - **Old:** Superstructure Rate Indicator must not be set if car has an Integrated Superstructure
 - **New:** Superstructure Rate Indicator must not be reported if Superstructure Integrated with Car (B342) is Y.
 - **Old:** Superstructure Rate Indicator (A019) is mandatory if Superstructure Integrated with car (B342) is blank
 - **New:** Superstructure Rate Indicator must be reported if Superstructure Integrated with Car (B342) is blank
- SS Enclosure Code (B153)
 - Equipment Group: VFLT
 - Update Validation Rule:
 - **Old:** Superstructure Enclosure Code on Vflats must be reported if Superstructure End Door Design is reported
 - **New:** Superstructure Enclosure Code on vehicular flats must be reported if Superstructure End Door Design (B154) is reported
 - **Old:** Superstructure Enclosure Code on Vflats must not be reported if Superstructure End Door Design is not reported
 - **New:** Superstructure Enclosure Type on vehicular flats must not be reported if Superstructure End Door Design (B154) is not reported
 - **Old:** P (Partial) Superstructure Enclosure Code on VFlats is only applicable to Superstructure End Door Designs reported as either OTHR (Other) or NTEQ (Not Equipped)
 - **New:** P (Partial Height) Superstructure Enclosure Type on vehicular flats is only applicable to Superstructure End Door Design (B154) reported as either OTHR (Other)

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.