* + 1. **Certification Conditions**
       1. *Tank car facilities* certified to A19, B24, and/or B82 *activity codes* may *subcontract* the *manufacturing* of *tank car tank components* to an approved design, provided that the *tank car facility* complies with [paragraph 3.4](#_bookmark23). In those circumstances, the manufacturer of the *tank car tank* component is not required to separately obtain *AAR certification*. Otherwise, B85 is required for the *tank car facility* that *manufactures tank car tank components*.
       2. *Tank car facilities* certified to A19 and/or B78 that are not located in North America must have either a designated *AAR* agent or an *AAR repair* facility/*repair* track in North America where final acceptance to safety appliances, air brake systems, and *AAR* interchange requirements can be confirmed.
       3. *Tank car facility certification* to C7, C8, and/or C10 is required for *interior linings* and *interior coatings* in *tank cars* that transport materials for product purity, excluding qualification per [paragraph 3.1.6.13](#_bookmark18).
       4. *Tank car facility certification* to C7, C8, C9 and/or C10 is required for *interior linings* and *interior coatings* in *tank cars* that transport materials that are corrosive or reactive to the tank car tank as defined in 49 CFR 180.503.
       5. Only *tank car facilities* certified to A19, B24, B78, B81, B82, B90, C6i, C6r, C7, C8, C9, or C10 can replace and/or *repair* the *qualification* markings per 49 CFR 180.515, the *tank car* stenciled specification, and variable identification plate per 49 CFR 179.24 on a *tank car*.
       6. *Activity code* B82 applies to the *manufacturing* of *tank car tanks* moved to and from the facility without trucks (running gear), and, if applicable, includes the underframe and the support structure.
       7. *Tank car facility certification* to C8 permits the installer of *tank car interior linings* and *interior coatings* to perform *repairs* as part of the *installation* process; however once the *tank car* lining or coating is qualified, the *tank car facility* must be certified to *activity code* C9 in order to perform *qualification* and/or *activity code* C10 in order to perform *maintenance* and *qualification* to the *tank car interior lining* or *interior coating*.
       8. *Tank car facility certification* to A19 does not require *activity code* B24 if *repairs* are performed as part of the *manufacturing* process; however once a *tank car* is certified by the A19 facility (certified *AAR* Form 4-2) the *tank car facility* must be certified to *activity code* B24 in order to perform *maintenance* and *qualification* to that *tank car tank*.
       9. *Activity codes* C4m and C5 include welding of *tank car service equipment*, and therefore

*certification* to those *activity codes* requires the *tank car facility* to comply with [paragraph 3.3.1.2](#_bookmark22).

* + - 1. *Activity code* C4m includes the application of linings or coatings of *tank car service equipment*, if performed.
      2. *Activity code* C5 includes the *removal*/*maintenance* of linings or coatings of *tank car service equipment*, if performed.
      3. Removal/replacement of eyebolt(s) does not qualify as a minimum demonstration for activity code C6r.
      4. *Tank car facility certification* to B78 does not authorize welding to the *tank car tank*; however, it does authorize welding to the reinforcing pads, jacket flashing/standoffs, and any other *tank car* tank attachments, provided the *tank car facility* complies with [paragraph 3.3.1.2](#_bookmark22).
      5. *Activity code* C4a covers those facilities that produce new *tank car service equipment* by way of an assembling process, without any *manufacturing* processes. Those facilities that have a combination of *manufacturing* and assembling processes must be certified to C4a and C4m. For example, and by way of clarification, C4a is not intended to cover *reconditioning tank car service equipment*, which is covered by C5.
      6. *Activity code* C4m covers those facilities that produce new *tank car service equipment* by

*manufacturing*.

* + - 1. The leakage test in *activity codes* C6i and C6r refers to the *qualification* of the

*connection* of *service equipment* to the *tank car*.

* + - 1. *Repair level* RLJ is required only if a *tank car facility* performs welded *repairs* to *tank car* jackets. RLJ can be added to any *activity*, excluding A19 and B78.
      2. *Repair level* RLS excludes pad-to-tank welds. Pad-to-tank welds require B24

*certification*.

* + - 1. *Tank car facilities certified to* C9 cannot obtain certification to *activity code* C8 and/or C10 and vice versa.
      2. *Activity codes* C7, C8, C9, and/or C10 do not include C6r for the removal and replacement of tank car service equipment, including gaskets.
      3. *Activity Code C*6r includes the removal and replacement of fasteners used to connect the primary *tank car service equipment* to the tank car, except those listed in paragraph 3.1.6.12 and 3.1.6.13.

## Exceptions

*Tank car facility certification* is not required for the following:

* + - 1. Examinations prior to shipping per 49 CFR 173.31(d).
      2. Conductivity or resistivity examinations of *tank car interior linings* and *interior* coatings prior to shipping.
      3. Replacement/*repair* of any markings or stencils on *tank cars* other than those specified in [paragraph 3.1.5.5](#_bookmark16).
      4. Double shelf coupler replacement (i.e., coupler vertical restraint system) in accordance with the *Field Manual of the AAR Interchange Rules.*
      5. Replacement of gaskets with the correct size as specified by the *equipment owner* and compatible with the lading on the following *service equipment*: hinged and bolted manway cover, fill port cover, bottom outlet cap, secondary closure, secondary fitting, secondary valve, and quick disconnect dust cap.
      6. Replacement of O-rings with the correct size as specified by the *equipment owner* on gauging device caps and thermometer well housing tubes.
      7. Replacement of the rupture disc, including the rupture disc gasket with the correct dimensional size and pressure rating as specified by the *equipment owner* and compatible with the lading.
      8. *Manufacture* of O-rings, gaskets, eye-bolts, washers, and threaded fasteners.
      9. The *repair* of *attachments* to jacket pads (see *Field Manual of the AAR Interchange Rules,*

Rule 81).

* + - 1. The *repair* of draft lugs, striker, draft key slot, and coupler carrier (see *Field Manual of the AAR Interchange Rules,* Rule 81).
      2. Service equipment category C or F for activity codes C4a, C4m and C5.
      3. Replacement of manway eyebolts, fill port eyebolts, and magnetic gauging device rodsas specified by the original or alternative approved design.
      4. Replacement of fasteners of primary blind flanges, used during loading and unloading the lading, as specified by the original or alternative approved design.
      5. Replacement of *secondary closures, secondary fittings, and secondary valves* (including chains and fasteners for this *service equipment*), as specified by the original oralternative approved design.

**3.1.6.15** The *qualification* of product purity *interior linings or internal coatings.*