

Attachment Number 1

IME STANDARD FOR THE SAFE TRANSPORTATION OF ELECTRIC BLASTING CAPS IN THE SAME VEHICLE WITH OTHER EXPLOSIVES

IME Safety Library Publication Number 22

I. General

Electric Blasting Caps, not to exceed 14 grains maximum explosive content, may be transported in the same motor vehicle with explosives (except liquid nitroglycerin, diethylene glycol dinitrate, or any initiating explosives) providing they are marked, labeled and packaged according to the Hazardous Materials Regulations of the U. S. Department of Transportation, and are transported in any of the following type containers or compartments:

- a. A portable container placed within and readily removable from the cargo-carrying space of the vehicle,
- b. A container securely attached:
 1. Above the cab of the vehicle (See Figure 1, Appendix A),
 2. To the vehicle frame under the cargo compartment (See Figure 2, Appendix A), or
- c. A built-in compartment in the cargo space of the vehicle (See Appendix B).

II. Construction

- a. The container or compartment must provide for total enclosure of the electric blasting caps.
- b. The top, lid or door, sides and bottom of each container or compartment must be of laminate construction consisting of A/C grade or better exterior plywood, solid hardwood, asbestos board and sheet metal. In order of arrangement, the laminate must consist of the following with the minimum thickness of each lamination as indicated: ¼-inch plywood, 1-inch solid hardwood, ½-inch plywood, ¼-inch asbestos board or ½-inch gypsum wallboard and 22 gauge sheet metal constructed inside to outside in that order. See Appendix C for details for laminate construction.
- c. As an alternative to the construction requirements shown in paragraph b, a container for use only as illustrated in Appendix A may be used when constructed as follows:
 1. The top, lid or door, sides and bottom of each container must be of laminate construction consisting of A/C grade or better exterior plywood,

solid hardwood, asbestos board and sheet metal. In order of arrangement, the laminate must consist of the following with the minimum thickness of each lamination as indicated: ¼-inch plywood, 1-inch solid hardwood, ½-inch plywood, ¼-inch asbestos board or ½-inch gypsum wallboard and 22 gauge sheet metal constructed inside to outside in that order. See Appendix D for details for laminate construction.

2. The hardwood must be fastened together with wood screws, the ¼-inch plywood must be fastened to the hardwood with adhesive and the 22-gauge sheet metal must be attached to the exterior of the container with screws.
- d. The laminate composite material must be securely bound together by waterproof adhesive or other equally effective means.
- e. The steel plates at the joints of laminations must be secured by continuous fillet welds.
- f. All interior surfaces of the container or compartment must be constructed so as to prevent contact of contents with any sparking metal.
- g. There must be direct access to the container or into compartment from outside the vehicle.
- h. Each container or compartment must have a snug-fitting continuous piano-type hinged lid or door equipped with a locking device.
- i. Without permitting direct access to contents under normal conditions, the locking or hinging mechanisms must permit at least one edge of the lid or door to rise or move outward at least ½-inch when subjected to internal pressure.
- j. The exterior of the container or compartment must be weather resistant.

III. Marking

- a. The interior surface of each barrier laminate must be marked in letters and numbers at least ½-inch high as follows:
BARRIER LAMINATE
MEETS IME SLP #22

This marking may be placed only on laminates assembled in accordance with this Standard.

- b. The lid of a portable container must be marked “ELECTRIC BLASTING CAPS-HANDLE CAREFULLY” in letters at least ½-inch high on contrasting background when it contains electric blasting caps. Means

must be provided to cover or remove such markings when the container is empty.