

MIL-STD-1649 (AS)

31 May 1974

**MILITARY STANDARD
FILM, MOTION PICTURE, SUPER 8MM,
LABORATORY PREPARATION OF**

1. SCOPE

1.1 Scope. This Standard establishes a standard laboratory practice for the preparation of Super 8mm motion picture projection film and its loading onto MS-14115 A,B,C, and D reels.

1.2 Purpose. To ensure that Super 8mm motion picture films supplied on reels can be used in the MS-14115 Cassette projection system without inducing any major mechanical discrepancy or projector malfunction.

1.3 Application. The film preparation requirements specified herein shall be included in all Navy commercial contracts for Super 8mm film services and shall be adhered to by all Navy film handling activities.

2. REFERENCED DOCUMENTS

2.1. The following documents of the issue in effect on date of invitation for bids or request for proposal, form a part of this standard to the extent specified herein.

Military Standards

MS-14115 . Cassettes and Reels, Projection, Motion
Picture, Super 8mm

3. DEFINITIONS (Not applicable)

4. GENERAL REQUIREMENTS (Not applicable)

5. DETAILED REQUIREMENTS

5.1 Film Lubrication. Both sides and both edges of processed Super 8mm release prints shall be treated with a suitable lubricant such as that recommended by the film cassette manufacturer.

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5.2 Film Supply Reels. Super 8mm release prints shall be supplied on projection reels of appropriate capacity conforming to MS-14115.

5.3 Integral Film Leader. Super 8mm release prints shall include a minimum 32 inch long integral leader on films wound on 50 ft. and 100 ft. reels; a minimum 42 inch integral leader shall be included on films wound on 220 ft. and 400 ft. reels. Leaders shall not contain any splices or torn perforations within the prescribed lengths as specified herein. The leading end shall be trimmed straight across, approximately halfway between perforations. The integral leader shall have a positive curl toward the reel core at all times, and shall be free from any sharp crease or bend. In some instances the film leader may have a tendency to curl outward. If this occurs, the integral leader may be cut, and the film ends reversed and spliced to affect a leader that curls inward. The splice shall be of the "S" type and not straight across the film width. Wrap around tape splices shall not be used to join the ends.

5.4 Integral Film Trailer. Super 8mm release prints shall include a minimum 20 inch integral trailer on films wound on 50 ft., 100 ft., 220 ft. and 400 ft. reels.

5.4.1. Anchoring of Film Trailer. The trailer end shall be firmly anchored to the supply reel hub by use of anchor peg, staple, clip, or eyelet. A "caution" label shall be placed on the reel to indicate that the film end is anchored to the reel and can cause projector mechanism damage if used on projectors not having automatic shutoff, or automatic rewind features.

CUSTODIANS:
NAVY-AS

PREPARING ACTIVITY:
NAVY-AS
(PROJECT 6770-N066)

REVIEW ACTIVITIES:
NAVY-MC

USER ACTIVITIES:
NAVY-AS, TD, CG

