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NPIC/TSSG/RED

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Recommendation for Equipment Development (U)

25X1

1. (C) As an offshoot of the 1540 light table development program the [redacted] has developed a new reel bracket spindle that is a significant improvement over the bracket spindles that have been in use for a number of years. The extant manual brackets ([redacted] Model T-1-5, catalog number 91713, as an example) have a spindle with a cam-type mechanism requiring a three-vector movement for engagement of the film reel, including an awkward rotation necessary to match a spindle key slot on the reel. For comparison, the new bracket spindle is a pressure-actuated, positive-locking, thrust-type mechanism requiring only a slight hand pressure in the axial direction for engagement of the film reel. The new spindle also does not have a troublesome key as the film reel is driven by an opposing keyed spindle.

2. (C) The new spindle design can be incorporated in a film reel bracket that would replace the idler (non-drive) brackets on all extant [redacted] light tables. The same principle can probably also be incorporated in a manual drive-type bracket with a hand crank that would replace the extant hand crank brackets. These brackets would be applicable to the requirements of almost any organization engaged in imagery interpretation. The use of brackets with the new spindle design should speed the film loading process, reduce film damage and potential operator injury from dropped reels, and virtually eliminate operator aggravation in film loading. It is recommended that action be taken to develop brackets with the improved spindle for retrofitting the extant light tables.

[redacted]
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