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"CONFINE YOUR LETTER TO ONE SUBJECT ONLY" _____

Ilion, New York
April 22, 1981

TO: E. F. BARRETT
FROM: T. L. CAPELETTI *TC*
SUBJECT: SAAMI PROPOSALS - FIREARMS DESIGN TESTS

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Adam Hugick, our SAAMI representative from Ilion, has reviewed the proposed "Firearms Design Test" procedures and has confirmed our support for the proposal. Remington product designs comply with the proposed TU-79 Drop, Jar-Off, and Exposed Hammer or Striker Impact Tests. However, the Impact and Rotation Test procedures are not currently performed on our products. Those tests need to be conducted on the bolt-action and over and under products when the procedures have been finalized. We fully support addition of the empty primed case concept as an indication of fire/no fire during testing. Earlier proposals centered on use of a copper indent crusher to establish depth of the firing pin mark. However, that procedure would not conclusively establish whether or not firing occurred during the test. The empty primed case should give a more positive indication of test results.

Although we support the proposal, we also recommend the following revisions to format and wording:

1) Page #1 - Drop Test for Rifles and Shotguns

Item #6 - Revise wording as follows:

"The Drop Test shall be conducted with the magazine or clip fully loaded with inert dummy ammunition inserted into the firearm, an empty primed case in the chamber, and the gun in the battery position. It is recommended that firearm weight variations introduced by combinations of accessories cataloged by the firearms manufacturer be included".

II) Page #2 - Jar-Off for Rifles and Shotguns

Item #6 - Revise wording as follows:

"The Jar-Off Test shall be conducted with the magazine or clip fully loaded with inert dummy ammunition inserted into the firearm, an empty primed case in the chamber, and the gun in the battery position. It is recommended that firearm weight variations introduced by combinations of accessories cataloged by the firearm manufacturer be included".

III) Page #3 - Exposed Hammer or Striker Impact Test

A) Add the following statement of test objective:

"This test is to simulate the impacting (bumping) of the exposed hammer or exposed striker against a hard surface".

B) For consistency, items should be listed by number, not by letter.

(ie. a, b, c, d, e, f, g should be 1, 2, 3, 4, 5, 6, 7 respectively).

IV) Page #3 - Impact Test

A) Add the following statement of test objective:

"This test is to simulate the random impacting (bumping) of the firearm against a firm surface".

B) For consistency, items should be listed by number, not by letter.

(ie. a, b, c, d, e, f should be 1, 2, 3, 4, 5, 6 respectively).

C) Item a (#1) - Revise wording as follows (safety on):

"With the firearm in the fully cocked position and the safety in the "on" (safe) position, the gun will be struck a minimum of ten blows randomly from muzzle-to-butt with a prescribed mallet and in the manner shown. A primed empty case shall be inserted in the chamber and the gun in the battery position".

V) Page #4 - Impact Test - General

Item #2 - Revise wording as follows:

"Test should be performed with the safety in the "on" (safe) position".

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VI) Page #4 - Rotation Test (Long Guns Only)

For consistency, items should be listed by number, not by letter.
(ie. a, b, c, d, e should be 1, 2, 3, 4, 5 respectively.

TLC:ws
Firearms Research Division