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INTER-DEPARTMENTAL CORRESPONDENCE



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File 122

"CONFINE YOUR LETTER TO ONE SUBJECT ONLY"

June 16, 1982

TO: R. E. FIELTZ
FROM: T. L. CAPELETTI *TC*
SUBJECT: HIGHLIGHTS FOR STAFF MEETING

Model Seven Lightweight

Three revised stocks with increased fore-end pad height have been received from Fajan to determine effect of barrel preload on accuracy. Six (6) 7mm-08 actions have been tested to date in these stocks. Three 5 shot groups for each action produced a combined average group size of 1.8 inches compared to the 2.7 inch specification. Three more 7mm-08 actions are being tested to verify these results. Pending acceptable results of those tests, similar tests will be conducted with three actions in each of the remaining calibers (.308, 6mm, .243 and .222). All tests should be completed the week of June 21, 1982 and will not delay the production schedule.

Model 700 ADL Restyle

A prototype stock is being cut checkered and finished for assembly into a model gun to illustrate planned restyling for the Model 700 ADL. That model should be completed during the week of June 21, 1982. The restyle program is currently on schedule for completion of Trial and Pilot work in October.

Shotgun Development

Six different models illustrating design alternatives for the XSG/XPG new generation shotguns will be completed by the end of July. Review by Design and Process Research personnel has reduced the estimated minimum capital investment for introducing the 12 Ga. XSG from approximately \$5.0MM to approximately \$3.5MM. The next phase of the analysis, Minimum Operating

Cost Options, will be completed by the end of July. Preliminary meetings are being held with Production and Marketing personnel to establish a strategy for shotgun development.

Bolt Action Rifle Development

Preliminary meetings are being held with Production and Marketing personnel to establish a strategy for replacing the Model 700 BDL rifle. Agreement has been reached on basic design and cosmetic options.

Model 870 Riot Gun

Production has completed modifications to approximately 100 Model 870 breech bolts and slides to eliminate the potential for jammed actions. Approximately 30 guns with the modified parts will be evaluated by Research. Pending acceptable results of that evaluation, revised Model Drawings will be transmitted to Production by the end of June.

Injection Molded Metal and Ceramic Components Venture

The first part of the injection molding process verification has been completed with mixed results. Mechanical testing produced good results, but dimensional control was not as good as expected. Additional test bars are being processed this week with new molding parameters that are expected to improve dimensional control.

An injection molding business plan meeting is scheduled for June 25, 1982. The shift in emphasis to firearms components, away from external business, will have a significant impact on the Business Plan.

TLC:hv