REMINGTON ARMS COMPANY, INC.

Product Team Meeting Minutes April 14th, 2004 Ilion Based Topics (4:00 p.m.) April 15th, 2004 (7:30 a.m.)

Future Meetings

June 22nd – Ilion July 21st- Madison August 25th- Ilion September 15th- Ilion November 17th- Ilion December 15th- Elizabethtown

Future Important Dates

August 11th-21st Grand American-Vandalia, QH October 14th-16th Writers Seminar-Orangeburg, SC November 6th-8th Sales Meeting-Greensboro, NC

Business Review

Jay Bunting to provide overview of current business environment SHOT Show Business Review

Competitive Product Review

Beretta 391 Extrema-Fink Weatherby Vanguard-Trull

ILION BASED SHOTGUN PRODUCTS

New Shotgun Product

Model 332

OBJECTIVE: Establish a legitimate presence in the O/U market Production Status:

- Guns per day March PTM reported going to 10 guns per day in April.
- Current plan 8 per day, going to 10 per day by June. By late September, current orders to be covered. 1225 on order, 818 past due orders.
- Shane Naylor's Gun Shooting Open Issue. Position of top lever critical, locking lugs being even. Gun to be shipped to Bob Joy for correction and review.
- Action plan moving forward to address shooting open issue. Work with R&D from a
 design standpoint. Need to inspect quality of parts and the amount of test shooting.

ACTION: Perniciaro to contact Billy Crutchfield at Lonoke to discuss performance of current guns on hand at Lonoke and to arrange to have ported guns delivered to Lonoke for use. Steve to update Team at April PTM.

ACTION: S. Perniciaro to contact Serven on GTA ammunition testing to get guns there.

Action: Perniciaro to provide plan for capacity on OU market in order to maximize sales position.

2004 New Shotgun Product

General New Product Discussion

OBJECTIVE: Ship new product on time

ACTION: Illion to provide status of any 2004 new shotgun products that have not been released in production yet. From my notes, these products are:

C\Program Files\CDI\CrackerLoaderREM\REMEmail\rawblob\20060107010019A00084946.docPage 1

9583 - M1100 Sporting 28/27

T&P scheduled for Feb. Production May. 600 Pieces scheduled for May; 1300 pieces on the books.

9549 - M1100 Sporting 410/27

- T&P scheduled for week of March 8th Failed T&P, in process of fixing bbl issue, 800 scheduled for June, 1300 on order
- ACTION: Fink to get gun 268 back to J Mroz

6457 - M870 SPS FR/CL 20 GA

T&P scheduled to begin 2/6 with production in April.

- Waiting on new guide rings Passed T&P, bbis in bbl shop, will be shot with Federal ammunition. Will start testing with Buckhammer.
- ACTION: Fink to follow ammo testing and possible recommendations.
- Barrel incorporates new optimized rifling
- Every 20 gauge except 1100 now has 3 chamber

ACTION: Manufacturing to advise current T&P status and production date.

4455 - M1100 Sporting XBL 28/27

Schedule concurrent with gun.

ACTION: Manufacturing to advise current T&P status and production date.

May on the 28/27, the 410 has been pushed out until June.

2005 New Shotgun Product

2005 New Shotgun Product

OBJECTIVE: New Product Introductions

ACTION: Discussion of prospective new shotgun programs and strategies for 2005.

M870 EXP .410 slug gun. Findlay working up quotes for sights. NPP-2004-35

- \$47K for sight tooling
- 10 prototypes being built
- Engineering will continue to develop.
- Prototype sights in March 12th, week to finish barrels and get into T&P, then order MIM tools
 to arrive late May. Tentative schedule. Sights received, front sight dove tail too low, new
 sights in NLT 1st week in May. Will compete with CTi parts.

M332 Sporting DL

- · Engineering-We must figure out shooting open issue
- . ACTION: Fink-Provide clear written NPP with direction
- OBJECTIVE: Announce Target models on 2005 Spring Gun Program

Over bored barrels an issue May delay a January 2005 warehouse. Need .037" wall thickness. Make sure warnings on being currently marked on OU barrels. Must have halo products and it is critical from a Marketing standpoint that we figure out how to resolve this. M1100 Sporting DL

Fink to provide NPP and discuss

Surface finish on internal parts must be much different from where we are at today. Action: Fink to get Angle Port gun shipped to Findlay.

Jeweled bolt a possibility.

NPP to call out specific looks and functionality, engineering to develop processes.

Spring Shotguns

Fink to provide NPP's and discuss

\$53K in stranded parts/components for deleted items.

C:\Program Files\CDI\CrackerLoaderREM\REMEmail\rawblob\20060107010019A00084946.docPage 2



- Small frame 20 gauge
- · Frame to accommodate 16 gauge barrels
- · Stock dimensions-trimmed down version of 12 gauge
- 26" and 28" Barrels
- Steve Perniciaro and Dave Findlay have drawings
- Need to examine ways to build low volume items efficiently.
- Investment cast-brings some new issues and solves others
- Have to improve cost, efficiency and quality
- OBJECTIVE: To announce 20 gauge M332 on 2006 Spring Gun Program.
- Brad Howard presented current design at March 2004 PTM. Status and timelines to meet August 2005 announcement
- Parts out for prototyping. Ilion to assist with assembly. Guns assembled mid-May.

Ilion Quality - Shotguns

Shotgun POI

OBJECTIVE: Conformance to SAAMI spec

ACTION: Ilion to provide status of this project. Priority of shotguns in which to incorporate these changes first:

- 1. All 1100 Target, 1100 Classic Field and Synthetic
- 2. 11-87 Premier and SP/SPS
- 3. 870 Wingmaster and SPS
- 4. 870 Express
- 5. SP-10

Findlay presented prototype of proposed new no design to bring our POI in line with SAAMI.

- Tooling & Gauging to be complete by June 2004
- T&P Scheduled September 2004 for 870/1187

Will run current barrels vent ribs with smaller front bead. Smaller front bead raised POI 6". This may resolve issue and would be more desirable than converting to a new rib taper.

11-87 Super Mag

OBJECTIVE: Determine necessary changes to make this product to the performance requirements as originally specified.

Action: Engineering to provide update on design recommendations and timeline for implementation. What testing needs to be done and when can we expect to make the transition in production?

Findlay presented new gas collar design to give a better seal.

- (10) 12 gauge barrels in test with new design.
- Objective to reduce 3" & 3 ½" terminal velocities and improve function
- Testing to be completed by 2.15.04
- MIM gas cylinder prototype-10 weeks and \$15K
- 30 piece 12 gauge machined sample to transmit April 30, 2004

ACTION: Report on test status

- Range of 350 Max and 150 Min. Still testing different gas cylinder designs.
- By 3,30,04 start MIM Gas Cylinder

MIM Gas Cylinder made no statistical difference in terminal bolt velocities. Surface finish on internal moving parts. Concern expressed that finish is not comparable to where finish was at 20 years ago.

Action bars, hammers, gas cylinders and check barrel alignment.

C:\Program Files\TGDI\CrackerLoaderREM\REMEmail\rawblob\20060107010019A00084946.docPage 3

Choke Tube Constriction/Patterning Concerns

OBJECTIVE: Conformance to SAAMI spec/product enhancement.

Testing with the M1100 Tournament Skeet 20 GA showed that we had a problem with the extended choke tubes patterning too tight. This has sparked discussion of a full scale audit of all of our 12 and 20 GA choke tubes to verify patterns are correct. Findlay has proposed drawing changes that will be confirmed through a test plan.

ACTION: Review test results

Corrective action date-

New Tube Identification-Need some sort of symbol or marking to differentiate new tubes from older tubes.

- Complete shooting of 12/20/28 gauge extended Briley tubes by end of February
- Old fixed skeet was "bow tie" configuration all others tapered to .5" flat; why? ACTION: Pursue making tubes meet SAAMI specs. Gain an understanding of old fixed choke dimensions and performance. Get hardcopy of specs to J. Fink and J. Bunting
- Better to error on the side of tighter constrictions.
- Engineering to start with 410/28/20 to get choke tubes patterning to spec.

Findlay to provide chart with proposal for all gauges.

Per Jay Bunting-Stop all transmittals until further review.

- Surface Finishes on Internal Components
 OBJECTIVE: Product enhancement
- Marketing to provide direction on acceptable finishes/changes. Images of a M1100
 Sporting .410 breech bolt were supplied. With the exception of tool marks in the
 locking block, the top of the bolt was within current manufacturing levels of
 acceptability. However, in the eyes of Marketing the level of finish was not acceptable
 based on quality of finish of competing guns.

ILION BASED GENERAL TOPICS

New Product Timelines

Review of timelines for BOD presentation

ACTION: Marketing to revise dates for Diaz, PM's and Engineering to sign off on.

Elimination of ISS on common fire control and Model 700, Model 7

ACTION: Establish final plan forward for ISS.

ACTION: Ilion to confirm that all bolt guns will have Mayfield cable lock in place and ISS off for phase in Q4.

ACTION: Ilion & E-Town to confirm that Regal lock is in place for all other firearms except M332 for same time frame.

ACTION: Ilion or E-Town needs to identify a CA DOJ lock for M332 to implement

ACTION: Direction from Marketing is that we will be CA DOJ compliant and ISS free for all Remington firearms for the catalog year 2005.

Fluted firing pin end of April

Regal currently making locks

Critical that transition completed by end of 2004

Common fire control transition to start June/July

C:\Program Files\CDI\CrackerLoaderREM\REMEmail\rawblob\20060107010019A00084946.docPage 4

R3 Pad on Wood Stocks

OBJECTIVE: Product enhancement

ACTION: Ilion needs to provide Marketing with a timeline for implementation by Model and by date implemented.

ACTION: Marketing feels that the pad is too "sticky" for target guns. Need to stay with current sporting pads on these models.

Will be 4-6 weeks before we see samples on long stocks. Need to send representative to S&K. Need commitment from S&K. Marketing needs to confirm list with planning. Must make sure RAMACs are coded/flagged that are inactive in certain categories.

· Styrofoam Insert in Gun Boxes

OBJECTIVE: Product enhancement

ACTION: Update team on progress.

ACTION: Need to work within current dimensions except for rifle to accommodate 26" barreled rifles. Get impacted items e-mailed to Trull, Preston, Evans, Kilts.

Can higher density foam be implemented short term?

Dimensional Audit

OBJECTIVE: Quality Control

Action: Shoemaker to update team on progress to conduct dimensional audit on catalog sku's.

Using T&P data when available. Will pull some guns out of warehouse and some will be measured as production is run. Need data to Marketing NLT August 2004.

- Rutland Plywood 870 Exp stock
 - Adds \$0.75 in cost per gun
 - Reduces scrap rate
 - Should be economic calculation

ACTION: Per last meeting, Ilion was going to analyze cost savings from a scrap reduction perspective to determine if the savings here offset the additional cost of \$0.75 per gun. Consensus at last meeting was that Marketing did not have an issue with doing this, but there would be no Marketing advantage or ability to get a price increase as a result. This would be justified purely from a plant economics standpoint if at all.

Need economic evaluation. Possibly try one or more skus.

ILION BASED RIFLE PRODUCTS 2004 New Rifles

• Model 700 CDL (Classic Deluxe)

NPP-2004-24 RAMACS(7007,7015,7011,7017,7047,7049,7051,7053)

OBJECTIVE: New Product

ACTION: Illion to provide update on production status

Model Seven Synthetic Stock

OBJECTIVE: New Product

ACTION: Illion to provide update on production status

Should see samples of stocks by 4.22 or sooner. Should investigate a second supplier.

C\Program Files\CDI\CrackerLoaderREM\REMEmail\rawblob\20060107010019A00084946.docPage 5

Model 700 204 Ruger

OBJECTIVE: New Product

NPP-2004-36, 37,38 RAMACS 6196 (LV SF), 7467 (VLS), 7527 (ADL SYN) Current on order status is 3,585 pieces (1376- ADL, 1224-VLS, 985- LV SF)

ACTION: Test and Production Status from Ilion last meeting notes showed that we should be production capable by end of March.

T&P complete. Will build ADL May 19th 125 per day/June, VLS in June, and LVSS in July

Total 7601 on order

2005 Prospective Ilion New Rifle Programs

2005 New Products

- Model 700 Synthetic Stock Redesign Status
 - Need sample stocks by Sept. 30, 2004

ACTION: Need to have a concise, focused discussion on quotes received thus far and risk assessment from Legal after review of Hogue patent.

Quote-\$570K for LA/\$A/HB

Would have to come out of capital budget; unbudgeted for.

LH stock could be build for an additional \$40K

Design is modular design.

Total cost per stock \$13.54

Need quote from ORC

Need to schedule meeting to look at options in Etown 4.22

Hogue patent-Patent on over mold. Will have to work with Hogue directly. Will meet with them at NRA.

May be worthwhile for Hogue to quote.

- M700 LV-Custom Feam Stock
- \$30 savings v. Bell & Carlson
- Pillar bedded, steel reinforced
- Weight currently with in ounces of B&C stock, can change weight

ACTION: Communicate desire to pursue to purchasing

Prototype due in 4/15/04, assuming everything looks good, will start die work immediately.

- Model 700 Special Purpose Synthetic Follows M700 Synthetic Stock Project
 - Must compete with Tikka and Vanguard

ACTION: Trull to evaluate

- Model 700 "Super Stainless" Follows M700 Synthetic Stock Project & Coatings work by Ilion
 - High-end Stainless offering. Must offer improved hardness & corrosion resistance over regular stainless.
 - Will incorporate rubber over molded panels in fore end and grip.

ACTION: Trull approved color sample sent to Madison by Engineering provided we can match trigger guard/Floorplate and bolt plug. Need to have a breakdown this meeting of a Cost b Properties c. Technical "jargon" to use to develop a marketable name for the process and what the features/benefits are. Discuss running progressive salt spray test on the M700 with this coating, as well as the Ruger M77 Stainless, Winchester M70 Stainless, and Browning A-Bolt Stainless for marketing purposes.

\$20-\$25 for bbl and bolt assembly. Getting floor plate to match may be an issue due to powder coat. Will investigate powder coat to match. Get investment cast steel trigger

C:\Program Files(CDI\CrackerLoaderREM\REMEmail\rawblob\20060107010019A00084946.docPage 6 6/12/2006

plate quote, same machining operation on cast aluminum version. Look at current BDL stainless offerings, 18M for conservative quote. Sietsema to get technical data to Trull ASAP.

- Update to Varmint Line Review/discuss new concepts. Review McMillan stock designs
 - H.S. has submitted to Trull a restyled varmint stock. Will feature two front studs, some reshaping of fore end. Sample received is of Desert Tan which will be used on the blued VS gun. H.S. is resubmitting a different color that will make the stainless gun more appealing to the eye.
 - VS SF to feature blacked flutes like EtronX
 - VS to add fluting to barrel (same w/ LH)
 - VLS to use proposed new laminate stock from Accurate Innovations pending Engineering's review to be complete by 4/15/04.

Action: Engineering to provide update on new laminate stock with bedding block Action: Need to make sure that purchasing/planning understands that the line is being revamped and to address orders for stocks accordingly. This applies to all new Spring guns and Spring gun deletions.

Tan with white web on blued gun and adding flutes

Black with green web on stainless gun with black flutes

Accurate Innovations stock did not perform better than standard VLS.

Some possible environmental issues with powder coat, will have to address, but not a show stopper.

Potential stranded inventory on rifles is \$22k

Model 700 Classic

ACTION: 2005 M700 Classic will be .308 Win.

Model 700ML Plans

ACTION: Discontinue line for 2005. Finished goods inventory has been liquidated. Need to assess stranded WIP inventory for write off.

ACTION: Perniciaro to advise of guns built with Green Mountain barrels. We have a home for some of them.

ACTION: Price Green Mountain barrel guns appropriately for WIP guns. Contact Trull when ready to advise D Evans.

Ilion Engineering Topics - Rifles

Improved Chamber Finish Program

OBJECTIVE: Product Enhancement

Engineering reported at last meeting that this process is being held up due to chamber eccentricity issues. Bulk of problem appears to rest with current CF heading process at llion.

Action: Starting by end of March on Stainless models per last meeting. Engineering to confirm.

Added process and changed some tooling. Has been implemented on all bolt actions. Surface finish running below 20. 7400's machined burnished and at the same level. Ultimate goal is to get below 10. Will continue to work on improvements.

M700 Firecontrol Project

OBJECTIVE: Product enhancement to improve trigger pull weights and feel to improve competitive position in Marketplace

Action: Ilion to advise of status and timeline.

DAT testing complete by 8/1/04

C/Program File CDI/CrackerLoaderREM/REMEmail/rawblob/20060107010019A00084946.docPage 7 6/12/2006



Bolt-Action Rifle "Lays Left" Issue

OBJECTIVE: Quality Issue

Action: Engineering and Quality to provide a brief overview of implementation of corrective action on issues uncovered by team.

Process in place to make sure barrels are straight.

Eliminated 2/3's of issue by squaring receiver with new CNC H&S Precision to build to our print; barrel channel and action screws must be in line. Team is continuing to monitor and improve. Will remove from subsequent agendas.

Model 700/Seven Trigger Pull Weights

OBJECTIVE: Quality Issue

Sales and Marketing are receiving a great deal of feed back from customers and consumers that we are losing sales at a devastating level to the Savage Accutrigger offerings.

Action: M700/7 Trigger Pull- Set pull at final assembly to 4 $\frac{1}{2}$ to 5 $\frac{1}{2}$ pounds. Ilion engineering to report on implementation at final assembly.

Action: D. Diaz to evaluate fluted firing pin and report status at next meeting.

Model 7400 Improvement Project

OBJECTIVE: Quality Issue,

ACTION: Trull to update team on comments and commitments from IWA

ACTION: Ilion to update on status and implementation dates. MUST HAPPEN FOR

WINTER PROGRAM!

ACTION: Discuss Model number change and strategy for regular catalog line. Model

7500 Woodmaster?

Need new model name, sku, etc.

Change to straight comb?

R&D TOPICS

E-Town Development Topics

Model 597 Performance improvement

OBJECTIVE Performance Improvement of 597

Action: EET on 10 round box was positive. Marketing approved taller box bottom on 10 round box. Diaz to provide update on DAT and target production date.

15 rounds per gun, 20 ammunition types. Overall malfunction rate of 1.3% would be lower however Federal has a GL that is .050" shorter than SAAMI. Must get tooling in for boxes sooner than 11 weeks quoted. R&D to transmit drawings.

17 Hornady Mach 2 Project

OBJECTIVE: New Product

Action: Discuss M504 strategy and M597 strategy for this new cartridge. Need to have shippable product in the warehouse in September this year.

Action: Marketing needs confirmation on M504 product for intro at rep principles meeting.

C:\Program Files\; CDI\CrackerLoaderREM\REMEmail\rawblob\20060107010019A00084946.docPage 8

Action: Diaz to advise on ammo for testing from Eley & Hornady. Critical to have both types for M597 development.

Ammunition availability an issue. Eley committed to 8-10M rounds by July. Need 25M-30M rounds for 597 development. CCI/Hornady ammunition not available.

Model 332 Small Gauge

OBJECTIVE: New Product

Action: Diaz to update on design status.

- Prototype 1-2 guns
- Drawings out for quote on parts
- Ilion to supply barrels
- Introduction date August 2005
- Marketing to provide NPP with 26, 28 and 30 inch barrels
- Beretta currently smallest frame in market. Remington design smaller yet
- Design eliminates curved bottom barrel
- Add use as many parts as possible from 12 gauge
- Development schedule set up for 8/05 warehouse position

ACTION: S. Perniciaro to check/evaluate to report on "straight" bottom barrel on 12 gauge. Report at next meeting.

- · Quickest route to market from Remington standpoint machining.
- · Casting-overall appearance and lines more flexible in S. Perniciaro opinion.
- . Frame to be machined identical to 12 gauge
- M7615-16.5" bbl, Wilson ghost ring rear sight, adapted to accept AR15 mag box OBJECTIVE: New LE product

ACTION: Diaz to give brief update on test status.

10 guns built and ready to get into test, another 10 next week. Testing resources an issue due to the volume of projects in the test lab.

C.A.R. (Centerfire Autoloading Rifle)

OBJECTIVE: New product

Action: Discuss concept and timing

Concepts to review by 4/22/04

N.B.A.R. (New Bolt-Action Rifle)

OBJECTIVE: New Product (Long term)

Action: Discuss strategy & timing

Product boarded

MAYFIELD BASED RIFLE PRODUCTS

2004 New Rifle Product - Mayfield

Model 504...

OBJECTIVE: New Product

Action: Golemboski to advise of production status.

Moving along well.

Model 710 Magnum

OBJECTIVE: New Product

Action: Review status of 7mm Rem Mag now that .300 Win Mag has been released.

30-40 enroute to E'town for testing

7mm Rem Mag should be three week test, guns should be in warehouse in May.

2005/2006 New Rifle Product - Mayfield

C:\Program File\CD\CrackerLoaderREM\REMEmail\rawblob\20060107010019A00084946.docPage 9 6/12/2006

Model 504-T LS HB

OBJECTIVE: New Product NPP-2005-03 RAMAC's TBD

Line Extensions to M504 line in 22LR and 17HMR target versions

Action: Diaz to update on status. Update on chamber dimensions for match chamber

strategy. Update on stock from Trull

Eley EPS Match Chamber being installed since Eley ammunition is being used to qualify. There are multiple match chamber drawings.

Model 710 Steel Receiver

OBJECTIVE: Product Enhancement

Early 2004 indicators suggest that "sprucing up" the line in 2005 will be needed.

 Action: Need to make sure we are grounded for introduction for 2005. Will need new RAMAC's.

10 guns built, will be testing by first of May

Model 710 Short Action

OBJECTIVE: New Product

Action: Likely a 2006 product. Project is under review at E-Town. Diaz to provide

update.

Stock and Mag box changes will be necessary.

