

**REMINGTON ARMS COMPANY, INC.**  
**Product Team Meeting Agenda**  
**December 11th, 2003 Ilion Meeting (7:30 a.m.)**

**Future Meetings**

Determine Dates for first six months of 2004 at this meeting

**Future Important Dates**

Feb 12-15, 2004 SHOT Show (Las Vegas, NV)

**Business Review**

Jay Bunting to provide overview of current business environment

**ILION BASED SHOTGUN PRODUCTS**

**2002 New Shotgun Product**

- Model 332  
OBJECTIVE: Establish a legitimate presence in the O/U market  
ACTION: Ilion to report on progress of velocity and quality improvement initiatives (Greater throughput, bring engraving in house, wood quality, etc) and production levels to date. Quality concerns that were on the last agenda that Trull would like a report on status of are:
  - Bluing salt bleedout around the monoblock/barrel interface and vent rib posts.
  - Rust coming out of edge of barrel at breech and between the barrels at the monoblock.
  - Loosening of forends when shot 25-50 rounds.
  - Side rib seam still inconsistent at braze.
  - Wood still too dark.
  - Failure to fire on top barrel.
  - NEW ISSUE SINCE LAST MEETING: Shane Naylor's gun began shooting open at 3k rounds. It is the understanding of Marketing that Ilion responded that this was typical of what we would see on guns built to print.  
ACTION: Need clarification of how we took guns to 10k rounds in T&P endurance test without shooting open, but we can expect current production guns to begin shooting open around 3k rounds.

**2004 New Shotgun Product**

- Barrel Porting  
OBJECTIVE: Invigorate the XBL business with something new that can be pitched as a special barrel program. Target date for announcement is November Sales Meeting. Catalog barrels to be ported: Target, Turkey and Deer. First RAMAC to develop is 4624 (10 years of overstock).  
ACTION: Where does this project stand from Ilion's perspective?

- General New Product Discussion  
OBJECTIVE: Ship new product on time  
ACTION: **Ilion to provide status of any 2004 new shotgun products that have not been released in production yet. From my notes, these products are:**
  - 9583 – M1100 Sporting 28/27
  - 9549 – M1100 Sporting 410/27
  - 6457 – M870 SPS FR/CL 20 GA
  - 4455 – M1100 Sporting XBL 28/27

### **2005 New Shotgun Product**

- 2005 New Shotgun Product  
OBJECTIVE: New Product  
ACTION: **Discussion of prospective new shotgun programs and strategies for 2005.**

### **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
- 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?**

### **ILION BASED GENERAL TOPICS**

- Elimination of ISS on common fire control and Model 700, Model 7  
ACTION: **A schedule for phase in was due from Ilion on 9/30. No schedule has been received to date. Ilion needs to insure that this schedule is buttoned up prior to this meeting. We will review the schedule on the 11<sup>th</sup>.**
- 3" Chambers in 20 ga deer barrels (NPP 2003-78)  
OBJECTIVE: Uniformity across 20 gauge slug offerings.  
ACTION: **Update on manufacturing plan and timeline. Can we roll 1100 FR 20 GA as a Magnum gun without changing the RAMAC?**
- R3 Pad on Wood Stocks  
OBJECTIVE: Product enhancement  
Action: **Ilion to advise of roll out status for premium guns.**
- Styrofoam Insert in Gun Boxes  
OBJECTIVE: Product enhancement

Action: Perniciaro to advise of what progress Dan Shumway and Purchasing have made with respect to contacting current and prospective vendors to address this issue per discussions at last PTM. Trull recommends that we take a look at what Thompson Center is doing from a foam insert perspective on the Omega product.

- Salt Bleed Out  
OBJECTIVE: Quality Improvement  
We continue to see bluing salt bleed out all too frequently on both our shotguns and our rifles. Other manufacturers do not appear to have the same degree of problems with this issue.  
ACTION: How do we get our hands around this problem and resolve it once and for all?

### **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: Engineering should have samples to show at this meeting. Need to insure that we are process capable for early Q1 production.
- Model 700 BDL SYN DEJ#8 (New Decorating Process)  
**NPP-2003-88 RAMAC 27507**  
OBJECTIVE: New Product  
Action: Ilion to advise on test status of initial samples and to confirm that this vendor is capable of delivering a quality product on time and at agreed upon pricing.
- Model Seven Synthetic Stock  
OBJECTIVE: New Product  
Action: Ilion to advise of production status off new tool. Another item we must insure Q1 production.

### **2005 Prospective Ilion New Rifle Programs**

- 2005 New Products  
OBJECTIVE: New Product  
Action: Trull to lead group in discussion about prospective new product concepts for 2005.

### **Ilion Engineering Topics – Rifles**

- Alternative Metal Finish for Stainless Rifles  
OBJECTIVE: Product Enhancement  
Action: Report on cost and properties of various options for coatings were due on 9/30. No report has been presented to date. Ilion should be prepared to advise of status.
- Roller Burnish for Rifle Chambers  
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 Ilion.

Action: Engineering to advise on progress of implementing this process on CF rifles. Have eccentricity and processing concerns been corrected? Are we still on track to implement in February of 2004?

### Ilion Quality Issues – Rifles

- Bolt-Action Rifle "Lays Left" Issue  
OBJECTIVE: Quality Issue  
Action: Engineering & Quality to discuss progress since last meeting.
- 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: Ilion and R&D to collectively advise of test status of the fluted firing pin design, ISS removal, and how and when we can expect to see trigger pull weights to return to a reasonable level. Today, they are excessive. Also review Mayfield's ability to address this issue on the M710 and how that could translate into an improvement for the M700. Also review status of bolt-action maintenance review program.
- Model 40-X Triggers in Varmint/Police Rifles  
OBJECTIVE: Product enhancement  
Action: Test rifles are on hand at E-Town. R&D to advise of status of testing on this topic. Testing was scheduled to be complete in December.
- Centerfire Rifle Chamber Specs – Ilion reamers as compared to SAAMI  
OBJECTIVE: Quality Issue  
Action: Perniciaro/Diaz to advise if proposals will be made to SAAMI to add freebore to cartridge drawings determined to be an issue from last meeting.

### **R&D TOPICS**

#### E-Town Development Topics

- Model 597 Performance Improvement  
OBJECTIVE: Performance Improvement of 597  
Action: Diaz to advise of redesign efforts.
- Model 7600 223 Rem  
OBJECTIVE: New Product  
Action: Diaz to update on DAT status. Guns were received from Ilion. Advise of anticipated completion date.
- Remington Mohawk 22 Program  
OBJECTIVE: New Product  
Action: Diaz to advise of status on low cost design status.
- Sourced Muzzleloader Design  
OBJECTIVE: New Product

Action: Diaz to discuss options for pursuing a sourced break-action muzzleloader design. This is a critical juncture for Remington's presence in the black powder market. In-line muzzleloaders are no longer in favor with the consumer. They are perceived as difficult to maintain and use. Either we bring to market a low-cost item, or we will likely exit the category.

## **MAYFIELD BASED RIFLE PRODUCTS**

### **2004 New Rifle Product – Mayfield**

- Model 504  
OBJECTIVE: New Product  
Action: Golemboski to advise of production status.
- Model 710 Magnum  
OBJECTIVE: New Product  
Action: Review status of DAT/T&P and build plan.