

**REMINGTON ARMS COMPANY, INC.**  
**Product Team Meeting Minutes**

**February 16th, 2004 7:30 am EST - Ilion**

**Future Meetings**

March 16<sup>th</sup>- Ilion  
April 13<sup>th</sup>- Ilion  
May 18<sup>th</sup> - Ilion  
June 15<sup>th</sup> - Ilion

**Future Important Dates**

April 15<sup>th</sup> -17th                      NRA Show – Houston, TX

**Business Review**

Jay Bunting to provide overview of current business environment

**SHOT Show Overview**

Marketing to provide feed back on SHOT Show

**ILION BASED SHOTGUN PRODUCTS**

**New Shotgun Product**

**Model 332-Skinner, Orf**

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

Production Status:

- Shooting Open-Update  
    Top Lever Template  
    Grinding Lugs  
    Communicating with Arms Service-Any New Repairs?

**Action: Look at improving efficiencies and cost. (Orf)**

**No new repairs**

**M332 Sporting DL- R. Murphy**

**Need 10K rounds shot through 3 guns to assess durability of design. Need to look at frame treatment. R. Murphy to work with B. Orf on improving design. Must have design complete and finalized by June 1, 2005 for a 2006 Spring Gun introduction.**

- Current Status

3200 style barrel hanger-Designed barrel hanger set, .040" convergence.

Five guns in process, barrel sets in process. Start shooting week of 2.21 for POA/POI, should have shooting complete by end of March.

Single barrel version-Under single, and top single

Unsingle-34" barrel set with adjustable aluminum rib-4 sets-Need adjustable stock.

Top single-34" barrel set -3 sets

Looking for an August introduction with warehousable quantities immediately following.

**ACTION-Start ball rolling to get fixtures, etc in place for production. (Orf/Murphy)**

**Establish product priorities for product development.**

**M332 20 gauge-2006 New Product Introduction**

- **Current Status-Murphy**

Three guns being built. Third quarter shooting guns. \$1,000M capital needed to put in place.

Need 332 project in place to present to management-Murphy/Orf

**M1100 Sporting DL-B. Orf**

- **Current Status-Make 1100 bbl with 105 ID and choke tubes, .735" with lengthened forcing cones.**  
Receiver Cosmetics-Orf/Sietsema  
Checkering Pattern-Orf  
Gas orifice holes-Orf  
Barrel Verbiage-Fink "For Use with Target/Light Field Loads"  
**Action Items**  
Cost estimate-Orf  
Send gun to Madison-Orf  
Rollmarked-Competition-Orf  
Look at pvd coating for receiver-Sietsema  
Check cost of natural laminate-Orf  
Need to have cosmetics nailed down by next PTM-Sietsema/Orf

**2005 SHOT Show Special**

- **870 FRCL Extra Barrel with Scope Mounted**
- **Current Status-Shumway/Orf/Skinner**  
Scope-  
Rings-  
Clampack-  
Ship Case-  
Other-  
T&P in March-140 XBL  
Need instruction on moving scope.  
Fink-check with Lewis on shipping/box integrity

- **870 Tactical-Orf**  
Rollmark Status

Rollmark by month end. Everything structured in SAP.  
Cost to paint-\$2.72 barrel, \$2.92 Receiver-\$5.64 total  
1000 May, 1000 June

**2006 870 Express Line**

New cosmetics for Express Line (Fink)

- **Black synthetic stock and fore end with overmolded inserts**  
Tooling would be around \$250k for 12 GA tool. Possible concept would be to remove checkering and insert texturing in those areas  
Fink-Run where used report-Skinner will send down. Joe Mead will look at costing.  
Marketing will review and respond with direction by March 4<sup>th</sup>.
- **Youth guns with redesigned fore end & stock w/R3 pad** Sims does not have smaller pad to fit youth stock. Sims is quoting pad for youth Jr. Need synthetic youth.
- **Potential laminated wood stocks-S&K has supplied quote** Finance questioning S&K regarding contract. Art Wright talking to Stouts, should have answer week of 2/21. Laminated samples have Marketing approval. Assuming costing is favorable, implement as an in-line change in 2005. RAMACs will not change. Need to identify

box in some way once transition is made to help ID at OHL in order to push out old inventory first.

- Camo guns changing to Mossy Oak Pattern-Most likely Break-Up  
Fink to issue NPP's and RAMACs by next PTM

#### 870 Slug Gun-Orf

Scope mounted directly on receiver.

We need testing complete to access effects on accuracy

Scope combo

Need testing by next PTM.

#### 870 Combo-Fink

Barrel Holder for additional barrel.

Fink to emailed image of clamp to Orf/Pugliese

### Ilion Quality – Shotguns

#### Shotgun POI-Perniciaro, Orf-Timeline for Change

OBJECTIVE: Conformance to SAAMI spec

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

Starting March 9<sup>th</sup> on everything except 332

Fink-Notify CSR's of change

DROP NEXT AGENDA

- Choke Tube Constriction/Patterning Concerns

ACTION: B Orf to update drawings. Need to add some sort of ID mark on choke tubes.

ID mark is an underscore after choke constriction i.e. MOD\_ . Ilion to send back

Fink's spreadsheet with Effective date column added to spreadsheet. Will distribute information internally as needed. Not going to issue a bulletin to RARC's or field.

DROP NEXT AGENDA

### **ILION BASED GENERAL TOPICS**

#### Shelf Talker Hangers for Wal\*Mart - Trull

- Files are complete and are currently being delivered to Mroz.
- Will specify RAMAC's
- Need to discuss attachment methods.

Files handed off to Mroz. RAMAC list given to Mroz. Will print double sided and attach via the plastic tie that was used to attach ISS keys to trigger bow. Will forward printed proofs to Trull when received from printer prior to phasing in for approval.

#### R3 Pad on Wood Stocks-B. Orf

- Current status and implementation dates.
- Orf to give update of what has been approved and what is in production
- Planning to provide up to date cut in schedule

Mountain rifle, Wingmaster done. BDL Magnums cutting in now. Skinner to forward updated cut in plan to Marketing.

#### Bottega Equipment – B. Orf

- Update on recent communication with Bottega  
Communication line has been re-established. Working well on NRA program. See below.

#### **NRA Licensed Guns – M. LeMay**

1187 Sportsman  
870 Wingmaster  
552 with fine line engraving.

- LeMay to provide update
- Fink to review NPP's

Will have samples by next PTM that can be used at NRA show. Eliminated NRA seal from shooters right of Wingmaster and 552 receiver. Still working through decorating issues on aluminum 552 receiver. Waiting on new laser in Ilion. Concerned that paint will fill in roll engraving, so laser or cut process from Automated Finishing will likely be the only viable alternatives.

#### **Scope combo box**

Glue from foam insert rubbing off on recoil pad. Ilion to investigate, address, and put corrective action in place.

### ***ILION BASED RIFLE PRODUCTS***

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

##### **Model 700 Synthetic Stock Redesign Status–Mead**

- Status Update on vendor progress
- Status update on production plans Balio

Issues with recoil pad fit. Sims notified and addressing. Youth stock 1<sup>st</sup> article is next up. Planning for March production. Still on track for March on XCR stock.

##### **Custom Foam – RIM Stock for 700 LV SF & 700 Tactical Mead**

- Status Update on progress
- Discuss stock for 700 Tactical (dual front stud testing)

LV passed, Tactical need to test second swivel studs.

##### **Model 700 XCR –TriNyte Coating–G.Sietsema & Balio**

- Need an update on DAT/T&P and Production.
- Intellectual property – status of patent?
- Marketing reviewed polished samples as proposed for current product and has elected that the satin finish is where the product needs to stay for now.

50 piece T&P March.

Patent applied for all long guns with and with out nickel.

##### **Model XR-100–Mroz & Perniciaro**

- Status Update on Gun – DAT, T&P, etc.
- Discuss findings on gun that failed to eject spent cases at Sales Meeting.
- Discuss fire control process

Fail to eject-ejector hole full of brass, cleaned up brass. Process in place for assembly on fire control. Ready to release production.

##### **Model 700 SPL Fire Control – Mead**

- Update on testing/timing. – Mead
- Discuss an externally adjustable design (M40-XB replacement)

Reported still on track to begin T&P build in May. R&D will assume design on M40-X version.

#### **6.8mm Rem SPC Bolt Head/Extractor Development – Perniciaro**

- Status of M700P LTR
- Status of 700 Tactical

New magazine box, prototypes in, tooling 1<sup>st</sup> article mid-April, production 1<sup>st</sup> of May.

#### **Illion Quality Issues – Rifles**

##### **Model 700 Varmint Accuracy Standards -S. Perniciaro/McGlory**

- Status on protocol to establish accuracy standards for varmint guns with Ohler system
- Marketing wants to plan to guarantee MOA accuracy out of all varmint guns for 2006.

Testing 5 skus 100%, need to extract data. Range is .5" to 1.5" over different cartridges.

#### **2006 New Rifle Products**

##### **New Model 700 Varmint Line - Mead**

- Utilizes standards set forth above with respect to accuracy and trigger pull
- Will utilize SPL firecontrol
- Will utilize new stock design outlined at recent E-Town meeting on this subject
- Discussions around how we will achieve our goals on accuracy
- Discussions around styling and cosmetics, i.e. carbon receiver with stainless barrel

Going to stay the course with H.S. and work with them to sure up supply issues. No one sees the real point in spending \$100k if we can work out supply issues. Discussed making sure that next build (Fall 05) of varmint guns utilized SPL fire control. Trull to have Spring varmint offering put to bed by next PTM.

##### **Model 746 (New Gas System) – Zito & Perniciaro**

- Status of new gas system testing
- Status of wood. Need samples as discussed at last meeting.
- Plan discussion to address cosmetics
- Discuss how best to address synthetic line

November 1<sup>st</sup> for production, need wood cosmetics finalized. Kast working with Boyd's on wood.

##### **Model 766 Pump - Trull**

- Trull to issue NPP to mimic cosmetics of Gas gun

Waiting on samples of wood for M746.

##### **Update Model Seven Wood Line for 2006 - Trull**

- Marketing would like to receive samples of a CDL style M7 stock, a Brown Laminate CDL style stock, and a Black laminate CDL M7 style stock.

Orf/Perniciaro working on getting samples made ASAP. Would like to see at next PTM.

#### **R&D TOPICS**

#### **E-Town Development Topics**

##### **17 Hornady Mach 2 Project – Diaz/Lance**

- Status on 597

Drop project

##### **NCAR – (New Centerfire Autoloading Rifle) – Diaz**

- Status on Design progress

Should start EET build by end of March

**Model 710 Short Action - Diaz**

- Status on Design progress

Should start EET build week of 2.21.

**New Bolt Action Centerfire - Diaz**

- Designate time between Marketing & R&D to define direction for product.

Trull & Diaz to discuss.

**Model 504 Smallbore Centerfire – Trull/Diaz**

- 22 Hornet
- Ammo has initiated project to commercialize .17 Ackley Hornet

Diaz to have Vince start looking at 22 Hornet. Should be able to use same mag box for 22 Hornet and new .17 version.

**Mayfield Topics (Will Cover by Phone with Lance)**

**Model 710 Metal Receiver – Diaz/Lance**

- T&P Update
- Timing for Implementation

**Model 504-T LS HB – Diaz/Lance/Trull**

- Status of DAT/T&P with new stocks from Boyd's

**Model 504 Improvement Program – Lance/Vicars**

- Update on current progress with program.