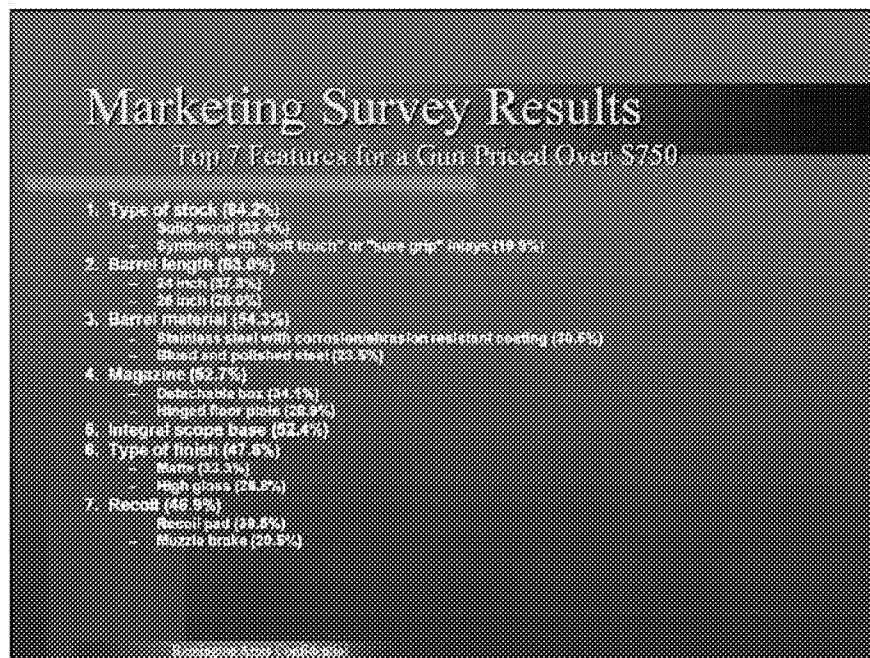


NBAC Rifle Status

- Competitive evaluation complete
- Online consumer survey for customer bolt action rifle feature preferences is complete
- Need to firm up product specifications based upon survey results to generate NPP for product
- Project phase: still "great expectations"

Source: Army Release



NBAC Program Concepts

- Possible New Business Model: Build-to-order instead of build-to-stock
- Program Implications:
 - Product & process design are interdependent
 - Dedicated manufacturing team members a "must" from day 1
- Business Implications:
 - Minimal inventory
 - Limited flexibility
 - May require limited product palette to meet objectives
 - Will require tighter integration of sales and production planning systems
- Form follows function
- Use DFM/Agile Production Best Practices
 - Minimize number of unique parts
 - Use/develop processes that minimize production leadtimes
 - Use modular and/or dimensional customization
 - Defer determination of part's configuration until as late as possible in process

Strategic Army 2010-2015

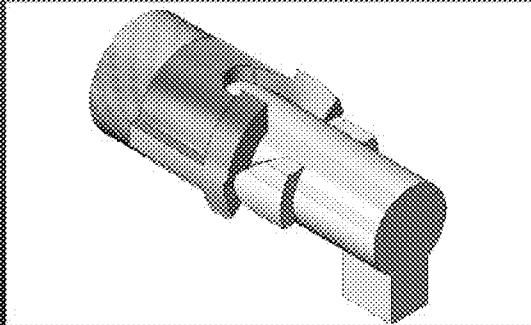
NBAC Design Concepts

- **Two lug bolt**
 - Easier to keep 2 locking surfaces in contact instead of 3 or more
 - Reduces bolt opening effort
- **Firing pin assembly/bolt - field strippable without tools**
 - Bayonet style attachment of firing pin assembly to bolt (like M710)
 - No loose parts to lose after disassembly
- **Action bedding block integrated into all stocks**
 - More precise interface for action than wood or plastic
 - Can be used to effectively "stiffen" the receiver

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NBAC Design Concepts

- **Dual cammed firing pin retraction**
 - Provides for symmetric loads on the firing pin during cocking
 - Reduces bolt opening effort

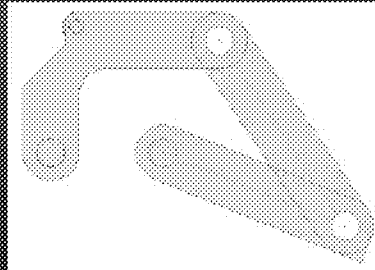


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NBAC Design Concepts

- **Linked sear**

- May permit more compact trigger assembly design than using only simple levers
- Reduces sear loads on trigger which means:
 - Smaller frictional component of trigger pull
 - Lower possible trigger pulls
- Desirable motion characteristics of the linkage are "programmable" in the linkage design



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NBAC Rifle Summarized Schedule

Milestone	Original Date	Current Date
First non-working prototype	2/26/2008	
First working prototype	5/20/2008	
EET Exit	10/13/2008	
Manufacturing Involvement	12/15/2007	
DAT Exit	7/17/2009	

Strategic Arms Reductions