

January 2, 1989

To: T.C.Douglas

From: R.S.Murphy/T.G.Bauman

Subject: December Monthly Report - NBAR

Little has been done on the NBAR in the previous month save for the development of a schedule outlining an ambitious path forward and some conceptualization of firecontrol, magazine latch and scope mount systems. Tom Bauman's time has been devoted entirely to the SP-10 Mag. and my time has been divided between the Parker and the Single Barrel Trap Gun.

The schedule that we developed follows and is based on a number of assumptions. Among them:

- o Tom Bauman's involvement with the SP-10 Mag. will be "limited" in 1989.
- o My involvement with the Parker and the SBT will not cause any conflicts.
- o The Model Shop and N/C group can supply timely turnaround of prototypes.
- o The Test Lab can supply timely turnaround of required testing.
- o The firecontrol is the critical path item to be developed. This assumes that the untested magazine box designed by Dick Jackson will feed properly.

I described this schedule as ambitious since it presupposes the best case scenario for each of these assumptions. Tom and I will try to adhere to this schedule but it is important that we all realize the potential stumbling blocks.

NBAR Critical Path Schedule

Firecontrol

First Design	Mar. 1 89	2 mos.
Prototype (3)	Apr. 1 89	1 mo.
Engineering Evaluation	June 1 89	2 mos.
Redesign	July 1 89	1 mo.
Quotation & Economics	Oct. 1 89	3 mos.
Prototype (10)		
- Vendor Parts	Apr. 1 90	6 mos.
Test & Redesign	May 15 90	6 wks.
Build 30 Design Accept. and Trial and Pilot	Feb. 15 91	9 mos.

T & P Testing

Apr. 15 91

2 mos.

This is a list of the NBAR features, (that represent our design goals), in order of priority.

- o Detachable Magazine Box
- o Improved Firecontrol
 - No Connector
 - Two Trigger Pull Springs (low spring rate)
 - "Sealed Firecontrol"
 - Balanced Trigger
 - Trigger and Sear Block
 - Not Retrofittable to M/700
- o Bolt Lock w/override
- o Integral Scope Mounts
- o New Extractor
- o New "Custom Shop" Barrel Contour
 - Mountain Rifle Crown
- o Improved Bedding System
- o M/700 receiver, cosmetically altered
- o New Wood Stock

NBAR Critical Path Schedule

Firecontrol

First Design	Mar. 1	89	2 mos.
Prototype (3)	Apr. 1	89	1 mo.
Engineering Evaluation	June 1	89	2 mos.
Redesign	July 1	89	1 mo.
Quotation & Economics	Aug. 1	89	1 mo.
Prototype (10)			
- Vendor Parts	Feb. 1	90	6 mos.
Test & Redesign	Mar. 15	90	6 wks.
Build 30 Design Accept. and Trial and Pilot	Dec. 15	90	9 mos.
T & P Testing	Feb. 15	91	2 mos.

Mag. Box

Assuming Jackson box will feed and we are only designing a latch.

NBAR Critical Path Schedule

Firecontrol

First Design	June 1 89	2 mos.
Prototype (3)	July 1 89	1 mo.
Engineering Evaluation	Sept 1 89	2 mos.
Redesign	Oct. 1 89	1 mo.
Quotation & Economics	Jan. 1 90	3 mos.
Prototype (10)		
- Vendor Parts	July 1 90	6 mos.
Test & Redesign	Aug. 15 90	6 wks.
Build 30 Design Accept. and Trial and Pilot	May 15 91	9 mos.
T & P Testing	July 15 91	2 mos.
Redesign and Reprocess	Jan. 15 91	6 mos.
Produce to Warehouse	4 Q 91	
Introduce to Trade	January 1992	

This is a list of the NBAR features, (that represent our design goals), in order of priority.

- o Detachable Magazine Box
- o Improved Firecontrol
 - No Connector
 - Two Trigger Pull Springs (low spring rate)
 - "Sealed Firecontrol"
 - Balanced Trigger
 - Trigger and Sear Block
 - Not Retrofittable to M/700
- o Bolt Lock w/override
- o Integral Scope Mounts
- o New Extractor
- o New "Custom Shop" Barrel Contour
 - Mountain Rifle Crown
- o Improved Bedding System
- o M/700 receiver, cosmetically altered
- o New Wood Stock