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Commanding General
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This responds to your Freedom of Information Act (FOIA) request dated October 6, 2007, for a copy of “Minutes from NLW JCRG 97-02 Mtg 3 Sept 1997.”

The requested document is enclosed.

Fees will be assessed upon completion of the last document processed under your October 6, 2007 request.

Any questions concerning this matter should be directed to Mrs. Bobbie Cave at (703) 432-3934 or bobbie.cave@usmc.mil.

J. B. BENNETT
Counsel
From: Joint Non-Lethal Weapons Directorate  
To: Distribution List 

Subj: MINUTES FROM NON-LETHAL WEAPONS JOINT CONCEPTS AND REQUIREMENTS GROUP (NLW JCRG) 97-02 MEETING ON 3 SEPTEMBER 1997

Encl: (1) Summary of Taskings and List of Attendees  
(2) JCRG Briefing Slides

1. The principals from the Non-Lethal Weapons Joint Concept and Requirements Group (NLW JCRG) met at the Headquarters Building, Marine Corps Combat Development Command, Quantico, Virginia, on 3 September 1997. MajGen. Patrick G. Howard, USMC, (Chairman, JCRG), and BGen. Robert T. Clark, US Army (Deputy Chairman, JCRG), along with the others listed at Enclosure (1) attended.

2. The purpose of the meeting was to review the status of the Joint NLW efforts since the last JCRG meeting and to gain the JCRG principal's concurrence with:

   a. the funding plan for the FY98/FY99 Technology Investment Program (TIP) and

   b. the Joint NLW POM Working Group's (PWG's) recommendation for POM-00.

   This JCRG meeting was a prelude to a Joint Acquisition Group meeting on 5 September 1997 and the Joint NLW Integrated Product Team (IPT) meeting to be held on 16 September 1997.

3. Ms. Susan LeVine presented a briefing on the status of Joint NLW program, the results of the Joint Technology-Investment Proposal Review Panel, and the results of the Joint NLW PWG. Her briefing slides are at Enclosure (2). The following summarizes her remarks:

   a. The Joint NLW Program has made significant progress since the last JCRG meeting:

   * The Joint NLW Directorate has been established
   * The Joint NLW Concept is ready for the NLW Executive Agent's signature
   * The Joint NLW Master Plan is in "working-level" staffing
   * Progress is being made on Joint ORDs (and in line with the Concept-Based Requirements System (CBRS))
   * The Joint TIP and the Joint NLW PWG met and prepared recommendations
b. Before presenting the recommendations of the TIP and the NLW PWG, Ms. LeVine opened the floor for general discussion on her briefing:

1) Mr. Charles Swett, OSD, asked if any of the Joint NLW ORDs had been signed. Ms. LeVine indicated that none have been signed but that the ORD for the 66mm Vehicle Launched Payloads program would consist of a change to the Army's existing ORD for the Light Vehicle Obscurant/Smoke System (LVOSS) which is currently in staffing.

2) MajGen. Howard, Capt. Bob Rieve, and Mr. Walt Streiter led a general discussion on the Joint staffing process for the ORDs. Capt. Rieve opined that there was not an approved Joint ORD staffing process other than the process for those ORDs going to the Joint Requirements Oversight Council (JROC) and that, due to the relatively low cost of the NLW programs, he doubted that the JROC and its staffing/signature process was appropriate for NLW ORDs. Each Service representative indicated that they had experience in gaining concurrences from the other Services on Service programs where there was Joint interest, but that additional work needed to be done to clarify the overall Joint NLW ORD staffing process, particularly in defining the role and responsibility envisioned for the NLW EA. Ms. LeVine accepted this comment as a tasking for the NLW Directorate.

4. Ms. LeVine then presented the results of the Joint NLW TIP and the Joint NLW PWG for the JCRG's approval. Those briefing slides are also included as part of Enclosure (2). The following summarizes her remarks:

a. **FY98 Technology Investment Program.** "Technology Investment" is one of the five major funding categories for the Joint NLW Program. While the TIP is intended to solicit input from government laboratories, civilian industry, and academia, because of time constraints for FY98 funding, the call for proposals for FY98 funding was limited to government laboratories only. Note: the NLW IPT previously approved spending $750,000 on the TIP for FY98 and $1,500,000 for FY99.

1) The proposals were reviewed by a panel of Integrated Product Team service representatives and chaired by the Joint NLWD. Of the 63 proposals submitted, three were selected for FY98 and FY99 funding.

<table>
<thead>
<tr>
<th>Proposal</th>
<th>FY98</th>
<th>FY99</th>
<th>Developer</th>
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<tr>
<td>Spider Fiber Entangler</td>
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<td><strong>Excess</strong></td>
<td><strong>$340K</strong></td>
<td><strong>$902K</strong></td>
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</table>
2) The JCRG members concurred with the selection of the three proposals and, after discussion on possible options for allocating the excess TIP funding, decided to recommend approving $50,000 for drafting a Broad Area Announcement (BAA) to industry for additional proposals. Ms. LeVine expressed the NLW Director's concern over obligation and expenditure of the FY98 funds if the remaining $290,000 was held until late in the fiscal year. Three options (contained in briefing slides) were discussed. During discussions, sufficient interest in pursuing work in the NL Layered Defense for Force Protection and the Long range delivery of NL payloads led the JCRG members to recommend to the JAG that the remaining $290,000 be held until the results of the BAA were available. If the JAG felt it was necessary to commit these funds at this time, the JCRG members agree that funding experiments at the two battlelabs (focused on long range/layered defense, possibly with UGVs and/or mortars) was the preferred option, with further definition to be provided by the battlelabs on these experiments.

3) **Decisions.** To summarize, the following decisions were made by the JCRG on the Technology Investment Program:

   a) Approve funding for the three proposals selected by the TIP.

   b) Approve funding $50,000 to draft BAAs to industry for NL Layered Defense for Force Protection and Long Range Delivery of NL Payloads.

   c) Hold the remaining $290,000 until results of BAA are evaluated. Fall-back position is to provide funds to the two battlelabs.

b. **Joint NLW POM-00.** Ms. LeVine informed the JCRG principals that the Joint NLW PWG developed the Joint NLW POM-00 based on the annual funding levels contained in PBD 719 (escalated by 2.4% inflation for FY04 and FY05) built around seven areas:

   * EA/Directorate Support
   * Service Project Management Support
   * Modeling & Simulation
   * Experimentation
   * Technology Investment
   * Service Tech Base & Acquisition Programs (12 programs)
   * New Initiatives (5 programs)

1) A detailed funding breakout by program/by fiscal year was presented to the JCRG principals. In addition, Ms. LeVine provided two pie charts showing the relative percentages of funding to each of the seven general areas and the breakout of programs within the Technology Base area. See briefing charts at Enclosure (2).

2) **Decision.** All Services concurred with the proposed Joint NLW POM-00.

6. **Taskings.** See Enclosure (3).
7. **Other topics.** MajGen Howard called for other discussion items. There were none so the meeting was adjourned.

![Signature]

SUSAN LEVINE  
Director, Non-Lethal Coordination Cell

Distribution:
All Attendees  
OSD (A&T) Office of Munitions  
HQDA DAMO-FD  
ARDEC  
NSWCDD  
Phillips Laboratory  
Armstrong Laboratory
SUMMARY OF TASKINGS

1. MajGen Howard tasked the NLW Director to continue to work on defining the process for staffing and approving of Joint NLW ORDs.

LIST OF ATTENDEES

Marine Corps
MajGen Patrick G. Howard, DCG MCCDC
Col James P. O'Donnell, Head Requirements Division, MCCDC
Maj James E. Budway, MCCDC, Req Div

Army
BG Robert T. Clark, HQ TRADOC, Ft. Monroe, VA
Mr. Walt Strieter, HQ TRADOC, Ft. Monroe, VA
Mr. Sam Schiro, USAIC CDS, Ft. Benning, GA

Navy
Capt. Robert Rieve, USN, Expeditionary Warfare Division, CNO (OPNAV N851)
Mr. Kelly Donegon, CNO (OPNAV N851)
LtCol. Don House, Office of Program Appraisal, (SecNav OPA)

Air Force
Col Dennis D. Miner, HQ USAF/XORBP
Maj Buzz Sawyer, HQ USAF/XORBP

Special Operations Command
LtCol Joe Tyner, USAF, USSOCOM, SOJ5-0

USACOM
Maj A. Taylor, USACOM, J3

Joint Non-Lethal Weapons Directorate
Mr. Terry Wright, Deputy Director, Joint NLW Directorate
Ms. Susan LeVine, Head, Joint NLW Program Coordination Cell
Mr. Kevin Stull, Joint NLW Program Coordination Cell

Office of the Secretary of Defense
Mr. Charles Swett, SOLIC (Policy)

Enclosure (1)
Joint Concepts Requirements Group Meeting

3 Sept 97

Agenda

- Directorate Update
- Program Update
  - FY 97 Highlights
  - FY 98 Plans
- Documentation Update
  - Master Plan
  - ORDs
- Technology investment Program Recommendations
- POM-00 Content

Director, Joint Non-Lethal Weapons
Course & Speed

The Joint NLW Directorate
USMC as Executive Agent

Chair, IPT
LGEn Steele

Deputy Chief of Staff
Plans, Policy &
Operations

Director
Plans

Director
Operations

Director
Joint NLW

Director
Strategic
Initiatives Grp

Col Mazzara

USD(A&T)

NLW Senior
Steering
Committee

NLW EA

Integrated
Product Team

NLW IPT

JCRG

Joint Concepts/Requirements Group

JAG

Joint Acquisition Group

NLW Management Structure
Directorate Responsibilities

- Perform day-to-day Activities for EA
- Manage Joint Funding Lines
- Liaison w/DoD, OGAs, and foreign governments
- Publish Master Plan
- Assist in POM Development
- Monitor Execution of DoD NLW Program
- Monitor Service-unique Programs
- Promote Exchange among Services

Director, Joint Non-Lethal Weapons
FY97 Program Highlights

- Directorate Standup
- Kick-off of Technology Investment Program
- User's Conferences
  - Foams
  - Ground Vehicle Stoppers (10-11 Sept)
- Service War College Projects
- Website
- POM-00 Development

Director, Joint Non-Lethal Weapons

FY98/99 Program Budget

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<td>Experimentation</td>
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# FY98 / 99 Service Program List

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<td>a. Ground</td>
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<td>b. Maritime</td>
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<td>Foam Applications</td>
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<td>Acoustic Generators</td>
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<td>13</td>
<td>Vortex Ring Gun</td>
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<td><strong>TOTAL</strong></td>
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<td>12963</td>
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## Concept-Based Requirements Process

1. **Service MNS**
2. **Services for Joint Needs**
3. **Harmonization of Joint Doc**
4. **Assign Lead Service**
5. **JORD**
6. **Execute Program**
7. **Joint Concept for NLW**
8. **Joint NLW Master Plan**
"Guiding Principles"

- Leverage High Technology
- Enhance Operations
- Augment Deadly (Lethal) Force
- Provide Rheostatic Capability
- Focus on Tactical Applications
- Expeditionary
- Acceptable
- Reversible Effects

Director, Joint Non-Lethal Weapons

The Joint NLW Concept
"Core Capabilities"

- Counter-Personnel
  - Crowd Control
  - Incapacitate Individuals
  - Deny Access
  - Clear Facilities/Structures

- Counter-Materiel
  - Area Denial (land, sea and/or air space)
  - Disable/Neutralize Equipment or Facilities

Director, Joint Non-Lethal Weapons
Documentation Update

✓ Joint NLW Concept
✓ Ready for EA Signature

✓ Joint NLW Master Plan
✓ In Working Level Staffing

✓ Joint Operational Requirement Documents

Director, Joint Non-Lethal Weapons

JORD Status

<table>
<thead>
<tr>
<th>JORD Priority</th>
<th>Program Title</th>
<th>Lead Service (ORD only)</th>
<th>Comments</th>
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<td>1</td>
<td>NL Crowd Dispersal</td>
<td>USA</td>
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<td>4</td>
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<td>5</td>
<td>Marine</td>
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<tr>
<td>6</td>
<td>Speed Bump Net</td>
<td>USA</td>
<td>ORD in progress</td>
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<tr>
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<td>Active/Defensive Technology</td>
<td>USMC</td>
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<td>8</td>
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<td>13</td>
<td>Vortex Ring Gun</td>
<td>USA</td>
<td>Too early for ORD</td>
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<td>14</td>
<td>Under-Barrel Tactical Payloads/</td>
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Joint ORD Process

New Requirement

Service Draft

Working Level Staffing
All Services USASOCOM

Final Draft

It's Done!!!

Army, USAF, NRO, DOD
Staffing through JNLWD

EA Signature

Director, Joint Non-Lethal Weapons
Technology Investment Program

- Objective:
  - Stimulate government laboratories, industry, and academia in generating new technology solutions to meet current or future nonlethal mission needs and requirements
- Approved funding (per IPT 97-3)
  - FY98: 750K
  - FY99: 1500K
- Process:
  - Call for Proposals
- Joint Service Review Panel makes recommendations for JCRG/JAG approval

Director, Joint Non-Lethal Weapons

Technology Investment Recommendations

- 63 Proposals Received
- Joint Service Review Panel
  - USMC: Mr. Larry Willard (MCCDC)
  - USN: CAPT Rieve (NB51)
  - USAF: Capt Marchessault (SAF/AQPS)
  - USA: Mr. Schiros (DBBL)
  - USSOCOM: Mr. Randy Murphy (SOAC)
- Panel Recommendations
  - Fund the following proposals:

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<thead>
<tr>
<th>Proposal</th>
<th>FY98</th>
<th>FY99</th>
<th>Developer</th>
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<tr>
<td>Spider Fiber Entangler</td>
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<td>TOTAL</td>
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<tr>
<td>Excess</td>
<td>340</td>
<td>902</td>
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JCRG DECISION REQUEST

Approval For Funding 3 Technology Investment Proposals:

- USMC  ___Concur  ___Nonconcur
- USA   ___Concur  ___Nonconcur
- USAF  ___Concur  ___Nonconcur
- USN   ___Concur  ___Nonconcur
- USSOCOM ___Concur  ___Nonconcur

Residual Recommendations

- Of $340K remaining:
  - Use $50K of FY98 Funds to thoroughly define and draft BAA requirements for potential FY99 funding
    - NL Layered Defense for Force Protection
    - Long range delivery of NL payloads

- Use remaining $290K of FY98 funds for one of the following proposals:

  Director, Joint Non-Lethal Weapons
Tech Investment Program
Residual Funds Re-allocation:

- Proposal A - Fund AMC under USMC lead for a specifically focused project to develop a NLW APL Alternative (NAAPL)

- Proposal B - Fund a joint Army/USMC effort to enhance/sustain NLW sets

- Proposal C - Fund experiments at both labs for next two TIP projects

Director, Joint Non-Lethal Weapons

Joint NLW POM-00
Joint NLW POM-00

- USD(A&T) Directed USMC to establish an "M" line for Joint NLW RDT&E Funding
- Accordingly, the Joint NLW RDT&E P.E. must be POMed by the USMC
- Joint NLW POM-00 profile must be submitted by 19 Sep 97 to USMC (P&R) for inclusion in USMC POM-00 Core
- A JCRG/JAG POM working group convened 21-22 August to assemble the Joint NLW POM-00 submit
- Completing the Joint NLW POM-00 submission now will allow the Services ample time to work procurement tails, as applicable

Director, Joint Non-Lethal Weapons

POM-00 Timeline

- 1 Aug Kick-off briefing presented to JCRG/JAG Working Group
- 1-15 Aug Services prepare initial cost/schedule estimates for initiatives
- 12 Aug DC/S P&R Brief on POM-00 Formulation Process
- 18 Aug Service input due
- 21-22 Aug JCRG/JAG POPM Working Group
- 3 Sep JCRG Review
- 5 Sep JAG Review
- 16 Sep IPT briefed on "DRAFT NLW POM-00"
- 19 Sep DC/S PP&O submits "DRAFT NLW POM-00" to DC/S P&R after briefing the NLW EA

Director, Joint Non-Lethal Weapons
Joint NLW RDT&E
Funding Profile

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FY00 - 03: Per PBD 719
FY04-05: 2.4% Inflation Rate

PROPOSED JOINT NLW
POM-00

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<th>EA/Directorate Support</th>
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## Joint NLW POM-00

### Program List

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**Director, Joint Non-Lethal Weapons**

## Joint NLW POM-00

### New Initiatives

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**Director, Joint Non-Lethal Weapons**
FY00 Overview

- Project Management Support: 0.8%
- Modeling & Simulation: 5.5%
- Experimentation: 8.1%
- Technology Investment: 3.0%
- EA/Directorate Support: 4.0%
- DemVal/EMD Programs: 26.0%
- Tech Base: 52.4%

Director, Joint Non-Lethal Weapons

FY00 Tech Base Breakout

- Active Denial Technology: 19.8%
- UAV Hovering: 1.9%
- Ground Vehicle Stoppers: 6.4%
- Maritime Vehicle Stoppers: 9.7%
- Foam Applications: 11.4%
- Acoustics: 33.3%
- Vortex Ring Gun: 7.7%
- APLs: 3.7%

Director, Joint Non-Lethal Weapons
**PROPOSED JOINT NLW POM-00**

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**JCRG DECISION REQUEST**

**CONCURRENCE ON POM-00 SUBMIT:**

- **USMC** ___Concur ___Nonconcur
- **USA** ___Concur ___Nonconcur
- **USAF** ___Concur ___Nonconcur
- **USN** ___Concur ___Nonconcur
- **USSOCOM** ___Concur ___Nonconcur
FINAL COMMENTS/ISSUES?