



# Advance Planning Brief to Industry

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### USMC Sleep Systems Programs

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# USMC SLEEPING BAG INITIATIVES REQUIREMENTS

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## REPLACE MODULAR SLEEP SYSTEM TO:

- Reduce Weight
- Reduce Volume
- Increase Environmental Protection
- Maintain performance after extended compressed storage

## 2 PROTECTION LEVELS

- **3 Season Sleep System** via COTS :
  - $\geq$  20 deg F (0 F w/clothing)
  - 4 components; bag, bivy, compression sack & mat
  - AO @ 198,000 for FY08 -10 pending funds
- **Extreme Cold Bag** via SBIR & NDI:
  - $\leq$  0 to – 25 deg F (-40 F w/clothing)
  - Maximize 3 season component use where possible
  - AO @ 38,000 for FY09 – 11 pending funds



# 3 Season System vs. Standard



<u>System</u>	<u>Wgt:</u> lbs	<u>Vol:</u> cu in	<u>Clo</u>	<u>Temp</u> Rating: F
Intermediate (Black Bag) RIGHT BACK PHOTO	8.3	2,050	6.6	0 to -12
Patrol (Green Bag) RIGHT FRONT PHOTO	6.3	1,350	4.3	35 to 20
3 Season LEFT PHOTO	5.5	1,100	5.5	20 to 0
<b>3 Season Improvement</b>	<b>13-36%</b>	<b>18-46%</b>	<b>0-28%</b>	<b>0 to 35+ Single bag</b>



# PROGRAM SCHEDULE: 3 Season Sleep System

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<u>Event</u>	<u>Date</u>	<u>Status</u>
RFI	Mar- Apr 07	41 products submitted
Testing	Apr- June 07	16 products/2 Systems selected for trial
Field Trial	Oct – Dec 07	8 products/2 systems downselected
<b>User Test</b>	<b>Mar – June 08</b>	<b>In progress</b>
Acquisition Plan	May 08	TBD
Performance Specs	Jun 08	TBD
Procurement	Jul – Sep 08	TBD
Initial Fielding	Feb 09	TBD



# Extreme Cold Bag: Standard vs. Proposed



<u>System</u>	<u>Wgt:</u> lbs	<u>Vol:</u> cu in	<u>Clo</u>	<u>Temp</u> Rating:F
Current: Modular 2 Bags BACK OF PHOTO	10.3	2,450	7.6	-11 to -29
Proposed: Required- Max FRONT OF PHOTO	8.3	2,050	8.5	-25 to -40
SBIR-Desired	7.2	1,700	8.5	-25 to -40
Extreme Cold Improvement	20-30%	16-30%	12%	0 to -40



# PROGRAM SCHEDULE

## Extreme Cold Weather Bag

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<u>Event</u>	<u>Date</u>
SBIR Phase I – 3 contractors	Dec 06 – Jul 07
SBIR Phase I Option- 1 contractor	Aug – Nov 07
<b>SBIR Phase II Award</b>	<b>Apr 08</b>
RFI & Evaluation	May- Jul 08
SBIR Prototype Design Review	Aug 08
Winter Test Item Selection & Procurement	Aug – Dec 08
User Test	Dec 08 - Mar 09
Conclusions	Apr 09



# Questions?

