

**Industrial Committee of Ammunition
Producers (ICAP)**

**Propellants and Explosives Sector
Report**

Paul Heidenreich

Sector Members

- Alliant Techsystems Inc.
- Armtec Defense (Esterline)
- ATK Launch Systems
- BAE Systems
- Chemring North America
- EURENCO Bofors, Inc.
- EMRTC
- Ensign Bickford
- GD-OTS
- Goodrich Corp
- Pacific Scientific
- Southwest Research Inst.
- Stresau Laboratory
- Chemring Energetic Devices

Kent Holliday
Paul Heidenreich
David Riemer
Jerry Hammonds
Dan McKendrick
Mats Natt Och Dag
W. Dennis Petersen
Steven Perkins
Guy Cornwell
Leonard Smith
Robert Valenti
J. Dan Bates
Bill Stewart
Bill Curren

Action Item – 1. Soft Landing Initiatives

- Renewed Emphasis required – Harris and others have championed, but what now?
- Recommend –
 - Re-starting a “Soft Landing” team (joint Gov’t/Industry)
 - Reviewing/Understanding the MSR data
 - Increased IBAT initiatives (at least from our perspective)
 - Include review of R&D/FMS/Other offsets

Action Item – 2. QWE

- QWE includes all areas that address employee safety (PPE, environmental, security, ergonomics, etc.)
- Specific QWE levels and types will vary by location/process (i.e. Process Hazards Analysis, OSHA, DOT, EPA guidelines and others are all relied on – however,
- An Industry/Gov't partnership could review and establish guidelines and determine funding sources

Action Item – 3. Other Concerns

- R&D activity
 - Needed to increase or establish U.S. technical superiority
 - Need to reward industry companies that make relevant R&D investments
 - Do Foreign companies outspend U.S. companies on R&D?
 - Recommend a team be established to review this issue – this Sector would volunteer