



# Aerospace Technology Working Group



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## ATWG Proposal For Amending The Definition Of National Security

**Present Situation:** National security public aspects related:

- to energy considerations in mobilization during an era of international hostilities/embargos or
- to secure access to critical commodities to sustain our mobilization base have been eroding since the early 1970's.

**Consequences of this Situation:** Our only publicly visible hedge against being deprived of critical elements of our economy is the limited Strategic Petroleum Reserve. However, since the first acknowledgment of our nation as a net importer of petroleum in the early 1970's, and the first oil embargo, we have not openly addressed assured access to energy and other critical commodities as elements of National Security. The consequences of the threat of terrorism have empowered a growing public sentiment concerning our vulnerabilities, our need for energy independence, and our desire to minimize international conflicts over access to petroleum or natural gas.

We are also aware of numerous energy alternatives within our nation's carbon based resources. However, we suggest that the use of these additional resources should be viewed as a bridge to a future, a future that has must be free of fossil fuel use. Recent Defense Department initiatives by the NSSO have brought this type of consideration to a level of visibility that motivates this recommendation. The achievement of freedom from fossil fuel in the future must also allow us to support our forwardly deployed military forces.

Achieving these energy goals will require government and industry development and use of cutting edge technologies in an international context. These requirements then raise the issue of current unnecessary restrictions and delays due to the required export licenses.

### Possible Solutions:

- (1) Develop a basic rationale for the inclusion of Energy Security as an element of National Security.
- (2) Review and evaluate the possible options for promulgating this decision.
- (3) Minimize the impact of restrictions on trade that is essential to meet the program objectives of both governmental support and private sector initiatives critical to creating a future of fossil-free sources of energy.

### Recommendations:

- (1) Publish a Presidential Directive promulgating that Energy Security is an integral part of National Security.
- (2) Establish an interagency working group including all appropriate agencies to identify the necessary directives, regulations, and operational goals of government agencies requiring amendment to conform to this directive, and to define the needed changes.
- (3) Establish fast track export licensing processes for industries involved in design, construction, installation, operation, and use of the new energy solutions.