

## Policy Objective 2: Strengthen the nuclear nonproliferation regime

| Challenge   | Need for International Technical Cooperation  | Potential CMC Roles  |
|---|---|--|
| <b>Reduce motivation for proliferation in the Middle East</b>           | <ul style="list-style-type: none"> <li>Establish verification regime for regional WMD-Free Zone</li> <li>Build infrastructure for regional conflict reduction</li> <li>Resolve outstanding territorial disputes</li> <li>Develop means to monitor agreements</li> </ul> | <ul style="list-style-type: none"> <li>Convene track II technical experts group to develop verification regime</li> <li>Enhance border security training and technology demonstration capabilities</li> </ul>  |
| <b>Denuclearize the DPRK</b>  | <ul style="list-style-type: none"> <li>Close cooperation among the U.S., Russia, China, Japan and ROK on approaches to nuclear disarmament</li> </ul>   | <ul style="list-style-type: none"> <li>Convene track II technical experts group to develop comprehensive approaches in support of 6-Party talks</li> <li>Host informal discussions for US-China on verification needs</li> </ul>                             |
| <b>Achieve universal implementation of the Additional Protocol (AP)</b> | <ul style="list-style-type: none"> <li>Better understanding of technologies and procedures for implementation</li> <li>Better understanding about implementation concerns</li> </ul>  | <ul style="list-style-type: none"> <li>Conduct implementation exercises with key countries (Brazil, India, ...), possibly using TA-5 <ul style="list-style-type: none"> <li>Managed access techniques</li> <li>Environmental sampling</li> </ul> </li> </ul> |
| <b>Prevent Iran from acquiring nuclear weapons capabilities</b>         | <ul style="list-style-type: none"> <li>Cooperation with IAEA and international community on monitoring, forensics, and analysis of capabilities</li> <li>S&amp;T engagement as a CBM</li> </ul>   | <ul style="list-style-type: none"> <li>Engage Iranian scientists and engineers at the CMC-Amman, when appropriate</li> </ul>   |
| <b>Strengthen the international safeguards system</b>                   | <ul style="list-style-type: none"> <li>Development, testing, evaluation of advanced safeguards technologies</li> </ul>  | <ul style="list-style-type: none"> <li>Host experts from key countries at the CMC to work with Sandia and other national laboratory scientists</li> <li>Utilize SNL research reactor and SRNL as test-bed for new safeguards technologies</li> </ul>         |
| <b>Assure safe, secure expansion of nuclear energy</b>                  | <ul style="list-style-type: none"> <li>Build capacity for nuclear energy safety and security in countries planning or implementing nuclear energy</li> </ul>  | <ul style="list-style-type: none"> <li>Establish Nuclear Energy Safety and Security Centers in key countries / regions (e.g., Qatar, China, ...) for local and regional training</li> </ul>  |
| <b>Achieve effective universal implementation of UNSCR 1540</b>         | <ul style="list-style-type: none"> <li>Build technical infrastructure to detect and respond to violations</li> </ul>  | <ul style="list-style-type: none"> <li>Enhance capabilities for hands-on training at CMCs in Albuquerque and Amman. Engage key countries as appropriate at each location</li> </ul>  |
| <b>Strengthen global export controls</b>                                | <ul style="list-style-type: none"> <li>Build knowledge and infrastructure to implement export control laws</li> </ul>   | <ul style="list-style-type: none"> <li>Enhance capabilities for hands-on training at CMCs in Albuquerque and Amman</li> </ul>  |