December 14, 2009

The following is a set of figures and documents assessing the organizational structure of what The Times' source calls Iran's "Clandestine Nuclear Sector" since the 1990s. (Leaked Memo Identifies Man at Head of Iran’s Nuclear Programme, The Times) It includes a letter from Mohsen Fakhrizadeh, and its translation, that lists a set of addresses that are said to describe the structure of a secret nuclear effort under the Ministry of Defense called FEDAT. ISIS discussed this information with several government officials in the United States and abroad. They stated that these charts provide reliable information on this difficult subject. We decided to share this information to further the public debate.
Note On PHRC: The Physics Research Center (PHRC) was under Iran's Ministry of Defense and operated in parallel to the Atomic Energy Organization of Iran (AEOI). The AEOI was mainly responsible for developing fuel cycle facilities. The PHRC, according to this organizational chart, was focused on a range of projects, including fuel cycle activities and some possibly related to developing a nuclear weapon. But the exact relationship between PHRC and the AEOI is unclear and the subject of several of the outstanding questions the IAEA wants Iran to answer. Similarly the subsequent incarnations were in parallel to the AEOI, which built the Natanz facility.
### FEDAT is the latest Incarnation of the Iranian Clandestine Nuclear Sector

<table>
<thead>
<tr>
<th>Physics Research Center</th>
<th>Organization for Planning of Special Supply (Sazemaneh Tarhe Amade Vije)</th>
<th>Field for Expansion of Advanced Technologies' Deployment (FEDAT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uranium Mining and Conversion</td>
<td>Department 4 &amp; 5</td>
<td>Project 5</td>
</tr>
<tr>
<td>Uranium Enrichment</td>
<td>Department 2 &amp; 3</td>
<td>Project 4</td>
</tr>
<tr>
<td>Metallurgy</td>
<td>Department 7</td>
<td>Project 3 / Project 110</td>
</tr>
<tr>
<td>Neutronics</td>
<td>Department 1</td>
<td>Project 3 / Project 110</td>
</tr>
<tr>
<td>High Explosives</td>
<td>Project 3 / Project 110</td>
<td>Center for Research of Explosives &amp; Shock Technologies</td>
</tr>
<tr>
<td>Integration in a Delivery System</td>
<td>Project 111</td>
<td>Center for R&amp;D of Advanced Aeronautical Technologies</td>
</tr>
</tbody>
</table>

*Source: Times of London*
Location of FEDAT Headquarters in Northeastern Tehran

Source: Times of London
The image above is described as part of a letter from Mohsen Fakhrizadeh.
Chairman of the Field for Expansion of Deployment of Advanced Technologies  
Mohsen Fakhri-Zadeh  
(Signature and date: December 29th 2005)

Addressee:
1. Chairman of the Center for Readiness and Modern Defense Technologies
2. Chairman of the Center for Research of Explosive and Shock Technologies
3. Chairman of the Industrial Production Research Center
4. Chairman of the Center for Advanced Material Research and Technologies – The Chemistry Group
5. Chairman of the Center for Advanced Material Research and Technologies – The Metallurgy Group
6. Chairman of the Center of R&D of Advanced Aeronautical Technologies
7. Head of the Information Security division of the Field
8. Head of Finance and Budget division of the Field
9. Head of Planning division of the Field
10. Head of Science division of the Field
11. Head of Administration and Personnel division of the Field
12. Director of Law and Inspection division of the Field

FEDAT centers embodies all the relevant disciplines for nuclear weapon research

Source: Times of London

This is an English translation of the previous letter in Farsi. The portion above the signature was not translated. The annotation in blue was added by The Times’ source.