



DEFENSE NUCLEAR AGENCY
WASHINGTON, D.C. 20305

ISPO

18 MAY 1975

OSD & DTRA DECLASSIFICATION/RELEASE INSTRUCTIONS ON FILE

SUBJECT: Recommended New Question for the KIQ for FY 1976 (U)

1. Recommend the addition of the following new substantive objective and key intelligence questions supporting this objective.

Sixth Substantive Objective

(S) To provide scientifically accurate, timely, and selective assessments of Soviet efforts in the various scientific disciplines that can lead to militarily advantageous results.

Key Intelligence Questions

1. (S) What are the technical differences in the Soviet approach to nuclear fusion and fission power vis-a-vis those of the U.S?
2. (S) How does the Soviet Union design nuclear weapons? What techniques are used? What are the asymmetries?
3. (S) What is the Soviet approach in radiation weapons and high energy radiation technology?
4. (S) What is the Soviet approach in high energy, high current, particle beam physics?
5. (S) What is the Soviet approach to simulation using high explosives or other techniques?

Include those items which would indicate the USSR capability to continue to develop nuclear weapons under a total test ban treaty.

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EXEMPT FROM GENERAL DECLASSIFICATION
SCHEDULE OF EXECUTIVE ORDER 11652
EXEMPTION CATEGORY DECLASSIFY ON

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2. (S) Rationale for this addition: In view of all the information about the Soviets pulling ahead of the U.S. in scientific endeavors, it appears that at least these five KIQs should be solely directed toward the specifics of their accomplishments. Adequate emphasis has been placed on the general approach of how much of their economy is directed into scientific effort; now we need to know more precisely what they are doing and what are their achievements. It is understood that some effort is directed toward this critical area; however, since it has not been elevated to KIQ status, it does not appear to have the appropriate priority and subsequent emphasis. It should be understood that a country's breakthrough in scientific technology can be catastrophic to its opponents.

3. (U) DNA contact officer for further background or coordination is Dr. E. C. La Vier, phone 325-7018.

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