

# Samples of Survey Forms

## CONGRESS OF THE UNITED STATES OFFICE OF TECHNOLOGY ASSESSMENT

### Survey of R & D activities in the SHIPBUILDING INDUSTRY

July 1984

1) Please indicate the approximate percentage of your firm's operating budget spent on R & D activities (not including Federal funds for R & D):

a) in the past 5 years? \_\_\_\_\_ %      b) in the current year? \_\_\_\_\_ %

2) Of the total spent on R & D indicated in question 1, estimate the percentage spent for each of the categories below.

a. Ship design and performance \_\_\_\_\_ %      c. Shipbuilding research \_\_\_\_\_ %  
b. Ship subsystem design — \_\_\_\_\_ %      (e.g., CAD/CAM, ship production technology, ship-  
(e.g., propulsion system, navigational equipment, etc.) yard management, etc. )  
d. Other (please specify below) \_\_\_\_\_ %

3) If your firm received any Federal R & D funds, please indicate what percentage of your total R & D expenditures (Federal + private) the Federal monies represented?

a) in the past 5 years? \_\_\_\_\_ %      b) in the current year \_\_\_\_\_ %

4) If any Federal funds were received for R & D activities, which agency and program contributed them? In addition, indicate the approximate percentage of the total contribution that each agency/program contributed.

Agency	Program	% of Total Contribution
_____	_____	_____ %
_____	_____	_____ %
_____	_____	_____ %

5) Please indicate the relative influence that the following factors have on your firm's investment in R & D.

	Very Influential	Somewhat Influential	Not Influential
Interest rates	_____	_____	_____
Availability of finance Capital	_____	_____	_____
Government policies and programs	_____	_____	_____
Market demand	_____	_____	_____
Competitive pressure	_____	_____	_____
Other (please specify)	_____	_____	_____

6) How do the following Federal laws, regulations and policies affect your firm's investment in R & D?

	Encourages Investment	Discourages Investment	Little or No Effect
Antitrust statutes	_____	_____	_____
Patent law	_____	_____	_____
U.S. tax code	_____	_____	_____
OSHA safety regulations	_____	_____	_____
Phase out of ODS/CDS	_____	_____	_____

7) Please rank order the laws and regulations from question 6 according to the relative degree that they encourage or discourage R & D investment.

Encourages Investment	Discourages Investment
1. _____	1. _____
2. _____	2. _____
3. _____	3. _____
4. _____	4. _____
5. _____	5. _____
6. _____	6. _____
7. _____	7. _____

8) Does your firm have access to the technological advances resulting from:

	Yes	No
a. U.S. Navy R & D activities	_____	_____
b. Foreign R & D activities	_____	_____

9) Could you suggest ways the Federal government might make this information more accessible?

10) How would the following options affect your firm's incentive to invest in R & D?

	Significant Incentive	Slight Incentive	Negative Incentive
a. Extension of the Capital Construction Fund to R & D expenditures (allowing tax deferment).	_____	_____	_____
b. Availability of Federal loan guarantees for R & D expenditures (e.g., Title XI)	_____	_____	_____
c. Amendment of antitrust laws to permit research joint ventures	_____	_____	_____
d. Expansion of tax credits for R & D expenditures	_____	_____	_____
e. Increase in direct Federal support for R & D	_____	_____	_____

11) Would you support the formation of a government-industry sponsored maritime research facility for the purposes of conducting long-term basic and applied research and for serving as a clearinghouse for Navy, foreign, and domestic civilian R & D advances?

\_\_\_\_\_ Strongly endorse such a research facility and would be willing to participate and provide funding for cooperative research projects.

\_\_\_\_\_ Endorse such a facility but do not anticipate that my organization would actively participate or provide funding.

\_\_\_\_\_ Do not endorse the concept of such a facility.

12) Do you have any suggestions for any other organizational or institutional changes within the Federal government that might improve the effectiveness of government-sponsored research?

13) Would you advocate increasing direct Federal expenditures on maritime R & D? If so, please indicate through which Federal agency or program.

14) In addition to the R & D options suggested on questions 10-13, and in light of the recent phase out of Federal construction and operating subsidies, can you suggest other Federal maritime incentives that might help revitalize the industry? Which of these, if any, would be significantly more beneficial than R & D incentives?

#### Classification Questions

Answers to the following questions will be used to classify the survey responses and will assist OTA in drawing conclusions from the data collected.

1. Is your firm a participant in the Active Shipbuilding Industrial Base (ASIB)? (yes or no) \_\_\_\_\_
2. What is the average (past three years) annual gross tonnage constructed in your shipyard? \_\_\_\_\_ gross tons
3. Please indicate the approximate percentage of your work that is:  
For the U.S. Navy \_\_\_\_\_ % For commercial clients % New construction— % Repair \_\_\_\_\_ %
4. Title of survey respondent \_\_\_\_\_
5. Name of respondent (optional) \_\_\_\_\_
6. Affiliation (optional) \_\_\_\_\_

*Thank you for your cooperation.*