

**INTERAGENCY AGREEMENT BETWEEN
CENTERS FOR DISEASE CONTROL AND PREVENTION
AND
CONSUMER PRODUCT SAFETY COMMISSION
00FED05409**

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This document sets forth the terms of agreement for services, supplies, and/or materials between the Division of Unintentional Injury Prevention, National Center for Injury Prevention and Control (NCIPC), Centers for Disease Control and Prevention (CDC) and the Consumer Product Safety Commission (CPSC) for Performance Evaluation of Residential Fire Alarms.

I. DESCRIPTION OF SERVICES

While there is no question that smoke alarms have successfully prevented thousands of residential fire deaths, their beneficial effect may be beginning to plateau. It is recognized that reducing the number of non-working alarms may produce some further reduction in fire deaths. Further, introducing more effective alarms in residential dwellings would have a greater impact in reducing deaths. However, there seems to be little incentive to produce and install better residential fire alarms until performance improvements can be demonstrated through objective, realistic, and accurate testing.

The full-scale tests usually cited to describe the relative effectiveness of different types of fire alarms (e.g., Indiana Dunes, CalChiefs, etc.) were conducted in mid 1970s and 1980s with alarms and fuel loads characteristic of that time. Today's alarm technology and residential fuel loads have evolved, and the relative effectiveness of the alarms has not been thoroughly evaluated under these circumstances.

Fire alarms to be evaluated for the residential setting should be representative of currently marketed state-of-the-art alarms. New and advanced technology alarms should also be evaluated, providing that these new technology devices have the potential to be introduced into the residential market within a reasonable period of time. Experiments should be conducted in both full-scale and smaller-scale facilities. The test structures must be representative of the different types of dwelling units where potentially fatal fires occur.

The purpose of this evaluation project is to determine if different types of fire alarms can respond to threatening residential fire settings in order to permit egress of typical occupant sets. The ability of the alarm devices to avoid nuisance alarms would also be evaluated. CPSC, in co-operation with other government agencies and non-governmental organizations, will conduct research toward the following objectives:

1. To develop a method to evaluate detector and alarm performance in real fires.
2. To demonstrate the capabilities of present and emerging technology of residential fire detection and alarm devices.
3. To identify potential improvements in residential fire detection and alarm devices.
4. To develop information to be used in codes and standards relating to fire detection and alarm devices, their installation, testing, and maintenance.
5. To develop consumer information on selection, installation, and performance of fire detection and alarm equipment.

CPSC will coordinate and document research efforts with interested organizations such as the U.S. Fire Administration, the National Institute for Standards and Technology (NIST), the Center for Disease Control and Prevention (CDC), U.S. Department of Housing and Urban Development (HUD), National Fire Protection Association (NFPA), Underwriters' Laboratories (UL), fire detection and alarm manufacturers, and other interested parties.

CPSC will make quarterly reports to CDC, briefly summarizing activities during the reporting period, accomplishments, funds expended, problems encountered or anticipated, and plans for the succeeding quarter. A complete technical report will be made on conclusion of the project. Special reports on specific technical topics may also be required.

It is expected this Project will require two years from the effective date for completion.

The total cost of the evaluation is estimated to be \$1,000,000. The CDC will contribute \$100,000 to this effort in FY 2000 through this interagency agreement with the CPSC. CDC will also provide technical, planning, and evaluation assistance as needed. CDC will be invited to participate in the preparation of the main results paper and other papers where there is a mutual agreement between CDC and CPSC.

II. DURATION OF AGREEMENT

This agreement is approved from the date of signatures for both agencies through September 30, 2000.

III. ESTIMATED COSTS

Testing of different types of smoke alarms to determine responsiveness to smoke and fire flames, as well as each alarm's ability to avoid nuisance or false alarms. Including field work at government installations:

| | |
|------------------------------|------------------|
| | \$100,000 |
| Total Estimated Costs | \$100,000 |

IV. METHOD OF PAYMENT

Funds for this project for FY 2000 in the amount of \$100,000 will be transferred to CPSC via OPAC using the following account data:

| | <u>From</u> | <u>To</u> |
|---------------|-------------|----------------------------|
| Agency | CDC | CPSC |
| Agency Symbol | 75-09-0421 | 6100 |
| Appropriation | 7500943 | 6100100 |
| CAN | 09211970 | (MIS)0021725 |
| Object Class | 25.39 | 25.3101 |
| Amount | \$100,000 | \$100,000 |
| | | 00 EXOB-PS 4400.00 0021725 |

When billing CDC through the OPAC system, CPSC will reference agreement number 00FED05409.

25.3101

All funds provided by CDC in this agreement must be obligated by the performing agency by the end of the FY in which the funds expire. Any unobligated by expired funds may not be used to fund services in subsequent periods. The CDC Financial Management Office must be notified of any unobligated funds pertaining to this agreement at least 15 days before the end of the fiscal year so that the agreement can be amended to reduce the obligated amount when appropriate. The notification must be submitted to the address below.

DHHS, CDC/ATSDR, FMO
Attn: OPAC Desk
1600 Clifton Road, M/S D-06
Atlanta, Georgia 30333

V. TRAVEL

Travel under this agreement is subject to allowances authorized in accordance with the Federal Travel Regulations, the Joint Federal Travel Regulations and/or the Foreign Service Regulations.

VI. EQUIPMENT

There is no equipment to be covered under this agreement.

VII. CONFLICT WITH EXISTING AGREEMENTS

There is no duplication or conflict with existing agreements, policy or statute.

VIII. PROGRAM CONTACTS

For NCIPC:

Pauline Harvey, MSPH
Epidemiologist/Public Health Advisor
NCIPC/DUIP (K63)
4770 Buford Highway, NE
Atlanta, GA 30341-3714
(770) 488-4592
(770) 488-1317 (FAX)
PHarvey@cdc.gov

For CPSC:

Margaret Neily
Project Manager
CPSC
EWT Room 611A
Washington, DC 20207
(301) 504-0508 (x1293)
(301) 504-0533 (FAX)
Mneily@cpsc.gov

IX. BUDGET CONTACTS

For NCIPC:

Diana Curtis
NCIPC/OD (F36)
4770 Buford Highway, NE
Atlanta, GA 30341-3724
(770) 488-1369

For CPSC.

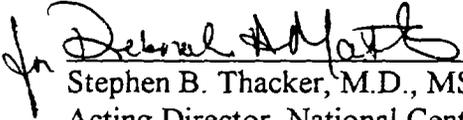
Deborah Peebles-Hodge
Prompt Payment Officer
Division of Financial Management
Room 522
Washington, DC 20207
(301) 504-0018

X. MODIFICATION AND CANCELLATION

This agreement may be modified by mutual consent of both parties or canceled upon 60 days advance written notice by either party.

XI. APPROVALS

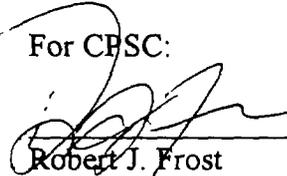
For NCIPC:



Stephen B. Thacker, M.D., MSc
Acting Director, National Center for
Injury Prevention and Control

Date: 4/27/00

For CPSC:



Robert J. Frost
Director, Division of Procurement
Services
Directorate for Administration
Date: 8/12/00

XII. AUTHORITY

This agreement is entered into under Section 601 of the Economy Act, as amended (31 U.S.C. 1535), and the Consumer Product Safety Act.