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June 8, 1962  
File: 3427505.1

Mr. Arthur D. Metsch  
Assistant Manager  
Contracts Administration  
Loral Electronics Corporation  
825 Bronx River Avenue  
New York 72, New York

Dear Mr. Metsch:

SUBJECT: Purchase Order 3427505  
Appendix B  
Loral Job No. 2420

Enclosed are three conformed copies of Appendix B to Purchase Order 3427505.

A signed copy of Appendix B is not enclosed since, according to your May 29, 1962 letter to Mr. J. A. McCarthy of LRL, you retained a fully executed copy.

Very truly yours,

C. L. Blue  
Assistant Business Manager

CLB:sm

	<u>Signed</u>	<u>Conf.</u>
cc: P. M. Goodbread	1	6
→ W. B. Reynolds	2	-
J. W. Ruff	-	1
J. D. Salisbury	2	1
H. E. Schaefer	-	1

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Declassified on 01/11/01  
729677  
786-06-1214  
W B Roberick  
J MOEN  
date 10/30/95

RECEIVED MAY 24 1962

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APPENDIX B

to

PURCHASE ORDER 3427505

between

UNIVERSITY OF CALIFORNIA LAWRENCE RADIATION LABORATORY

and

LORAL ELECTRONICS CORPORATION

I - INTRODUCTION

In accordance with the terms and conditions of Purchase Order 3427505 it is mutually agreed that the Subcontractor shall, as approved and directed by the University, perform the following scope of work, which is incorporated into and becomes a part of said purchase order.

As provided in Terms and Conditions Article II - "CHANGES", the Business Manager of the University of California Lawrence Radiation Laboratory may at any time issue written direction requiring changes in this scope of work.

II - GENERAL

This work involves the study, design, and construction of two magnetic core type coded switches which must satisfy certain functional, environmental, and reliability requirements. These switches will provide the permissive link for the central control of nuclear armed weapons and are considered vital to an Integrity Sensing System for the protection of nuclear warheads.

III - SCOPE OF WORK

As directed by the University's Technical Coordinator, Subcontractor shall design, develop, construct and deliver to the University, two prototype combination switches as specified in Subcontractor's Proposal No. 354(2903-032), "Proposed Study Program for Permissive Links."

~~FORMERLY RESTRICTED DATA~~

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~~AS Restricted Data in Foreign Dissemination Section 144b, Atomic Energy Act, 1954.~~

CLASSIFICATION CANCELLED OR

CHANGED TO Unclassified

BY AUTH. TCG-UC-1 3/17

By [Signature] ADD DATE 10-30/95

By [Signature] ADD DATE 10/30/95

April 30, 1962

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This material contains information affecting the National Defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C., Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

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This work shall be performed by Subcontractor in accordance with the following three-part feasibility and hardware program:

- Part 1 - Subcontractor shall conduct a preliminary study of two months duration resulting in a report to the University containing sufficient information to determine the configuration and specifications of the prototype unit.
- Part 2 - Upon approval by the University of Part 1, Subcontractor shall commence the construction of two prototype units. Each prototype unit shall consist of a controller (input device) and a coded switch.

The purpose of these units shall be to conclusively demonstrate to the University that the required functions, size and environmental conditions are achievable.

This part of the program shall be of approximately three months duration.

Upon completion of the two prototype units they will be delivered by Subcontractor to the University.

- Part 3 - This part of the program shall be a continuation of the study efforts initiated under Part 1 and shall result in a final report to the University containing comprehensive conclusions and recommendations. The reasons for choice of all technical approaches will be documented as well as the reasons for rejection of alternate means.

#### IV - SHIPMENT OF MATERIALS

To the extent that shipment of classified materials are involved in the performance of this work, such shipment shall be in accordance with the rules and regulations of the University and Commission. Classified materials shall be addressed as follows when shipped to the University:

University of California  
Lawrence Radiation Laboratory  
Attention: W. E. Brownlee  
Livermore, California

For Purchase Order 3427505  
Notify J. D. Salisbury

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Loral Electronics  
P.O. 3427505  
April 30, 1962

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V - REPORTS

Subcontractor shall supply the University with the following reports in a form satisfactory to the University's Technical Coordinator:

A - Progress Reports

Informal letter type reports will be submitted by the fifteenth of each month commenting on the work performed during the previous month.

B - Formal Reports

1. Within 60 days after starting work, Subcontractor shall submit a formal report as required under III Part 1 of this Appendix B.
2. Upon completion of the work, Subcontractor shall submit a final report as required under III Part 3 of this Appendix B.

C - Interim Data

Pertinent information may be exchanged between the parties on an informal basis as necessary for the performance of the work.

D - Distribution

Reports shall be distributed as follows:

Mailing Address: University of California  
Lawrence Radiation Laboratory  
P.O. Box 808  
Livermore, California

No. of Copies: (Separately addressed and mailed)

1	Directors Office, Bldg. 112, Rm. 1041
1	Business Office, Bldg. 161, Rm. 1113
4	Technical Information, Bldg. 112, Rm. 1067
7	J. D. Salisbury, Bldg. 170, Rm. 2046

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P.O. 3427505  
April 30, 1962

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VI - ASSIGNMENT OF PERSONNEL

It is understood and agreed that Subcontractor's key personnel assigned to this work will not be reassigned or replaced without prior University approval except where such instances are beyond the control of the Subcontractor. Subcontractor shall not assign replacements or substitute key personnel without prior University approval.

VII - COORDINATION AND ADMINISTRATION

- A - The Technical Coordinator for the University within this scope of work is J. D. Salisbury, his designee or successor.
- B - Subcontractor's Technical Coordinator for this scope of work is E. Mogul.
- C - The Contract Administrator for the University is C. L. Blue, his designee or successor.

VIII - SECURITY

The documents generated and the work to be performed shall be classified Secret Defense Information. Classification guidance will be supplied by the Classification Section of the University.

ACCEPTED:

AUTHORIZED:

LORAL ELECTRONICS CORPORATION

UNIVERSITY OF CALIFORNIA  
LAWRENCE RADIATION LABORATORY

By Arthur Koteen  
Title Assistant Treasurer  
Date 28 May 1962

By C. L. Blue  
Title Assistant Business Manager  
Date May 22, 1962

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P.O. 3427505  
April 30, 1962

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