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ELK-242-64

OEL 24/3/64

17 MAR 1964

MEMORANDUM FOR: Director of Logistics

SUBJECT : Assignment of New Task Order to Contract 630 with [REDACTED]

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1. The Office of ELINT, under Project 7032 has been engaged in a contract with [REDACTED] under Contract 630, Task Order 14. This task provided for the development of a miniature battery operated time code generator. A satisfactory engineering model has been developed and Task Order 14 will expire on 30 March 1964. Therefore, this Office requests the assignment of a new task order to permit construction of five service test models of the time code generator.

2. The miniature time code generator developed under Task Order 14 is capable of delivering binary coded decimal signals representing elapsed time in days, hours, minutes and seconds. A 1000 cycle reference tone is part of the signal format. The generator has the capability of operation over a period of sixty days unattended. The time code format is compatible with the EECO Model 803 to the extent that hours, minutes and seconds may be read out by equipment utilizing that format. The days portion requires additional readout equipment. The output of the time code generator can be recorded on magnetic tape. Either continuous time signals or time signals triggered by an external source may be selected. Accuracy of one second per month with a frequency stability of  $3 \times 10^8$  has been achieved through the use of a compensated crystal oscillator. Total power consumption has been reduced to an absolute minimum through the use of the compensated oscillator. Solid state microelectronics techniques are employed in the construction. The instrument satisfies requirements for a portable battery operated time code generator having an accuracy comparable to larger fixed AC powered time code generators.

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GROUP 1  
Excluded from automatic  
downgrading and  
declassification

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3. Verbal agreement has been reached with [redacted] regarding the scope of the work which is an outgrowth of Task Order 14. Attachment A is [redacted] proposal and CPFF cost estimate [redacted] (Revised). Delivery of the five service test models is to be within six months from date of task order assignment. Task order duration is for a total of seven months from date of assignment.

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4. The cognizant project engineer is [redacted] extension 4518.

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GEORGE C. MILLER  
Assistant Director for PLINT, DD/S&T

Attachments:

A. [redacted]

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APPROVED:

ALBERT D. WHEELON  
Deputy Director  
(Science and Technology)

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AERB/RDD/OEL: [redacted] mh/4518 (9 March 1964)

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