

SecretSubject: Man Power Requirements

In the Code 5435 Area (Problem 54 RO6-29) a number of jobs having data taking, data handling, and data analysis requirements are at present being met through the use of overly qualified people on an overtime basis or are not being satisfactorily completed. The following is a list of areas of work, and the level and time manpower requirements to meet the demands.

A. Antennas - Extensive measurements are made on a yearly basis. This includes the taking of 600-800 antenna patterns. These patterns require extensive comparisons and integrating to achieve the necessary composite antenna structures. At present there are long delays in completing this work and sometimes valuable information is lost because a complete analysis never is carried out and tabulated in a complete fashion.

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B. Amplifiers, filters, etc. - In the period of

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1 March 1965 through 1 March 1966
approximately ~~for~~ one million dollars worth
of ^{"state of the art"} tunnel diode amplifier, specialized VIF
filters and performance amplifiers all of
which are not available on a regular commercial
basis have been purchased or are presently
under contract. These items are necessary
to meet project requirements and in most
cases have been "state of the art" developments
brought about through ~~the~~ much coordination and
^{problem outlining} with various companies. Needless to say
this specialized equipment requires much data
taking, analyzing, and comparing to obtain
the guarantee the meeting of problem requirements
and to provide the basis for technical
feedback and guidance to industry, so that
we can continue to deliver the best and
most reliable equipment available in this
project.

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C. Quality Control of the system - ^{AT present}
rather limited statistical approaches
being taken in providing an operational

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field problem with reliable technical feedback and to assist in providing useful and timely system outputs. This effort has been carried over the past two years on a limited developmental basis and has been quite successful in this limited ~~trans~~ capacity. The present requirements are to develop a more operational status. Equipment is currently being purchased and developed internally to facilitate a much more extensive use of computers and automatic processing systems. Some trial programs are being tested, but much work in the data handling area is required and personnel have been available only on a part time and over time basis.

The project directors are of proven ability with detailed plans for implementing the future work under their supervision and direction. Personnel are needed with recent ~~deg~~ college degrees or non-graduates of several years appropriate experience to carry out these plans ~~on~~ ~~the~~ ~~on~~

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a supervised basis, specifically needed
are one ~~individual~~ individual for supporting areas
A and B and another individual for
supporting area C.

The above mentioned areas are all part
of a "Front Line" Navy project which has
been rapidly expanding in Navy value and
in financial backing.

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