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# Office Memorandum • UNITED STATES GOVERNMENT

SPM 8-618

TO : Chief, Engineering Division, OC

DATE: 7 April 1958

FROM : Chief, Supplemental Programs Division, OC

SUBJECT: Breakdown Parabolic Reflectors

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1. During the IRE show, [redacted] and two members of the ELINT Activities Branch approached the Prodelin Co. on constructing breakdown type parabolic reflectors for packaging in 20" x 20" x 12" O. D. containers. We found their verbal proposal both appealing in time required and cost expected for delivery. With our urgent requirements still existing, we request that you obtain firm proposals for the following:

25X1

- A. Five each, four foot circular spun aluminum dishes for packaging in containers 20" x 20" x 12" O. D.
- B. Sets of R. F. feeds for each reflector covering 1000 to 6000 mcs.
- C. Feed mounting for either horizontally or vertically polarized signal reception.
- D. 50 ohm feeds not exceeding a V.S.W.R. of 3:1.
- E. Gain commensurate to feeds and parabolas for this range with side lobes at least 10 db below the main lobe.
- F. For installation in sheltered positions where wind and temperature can be neglected. Therefore, a simple tripod mount is requested with a vertical adjustment from four to eight feet for the top of the reflector.

2. Upon receipt of detailed costs and construction plans from the contractor, funds will be obligated to expedite this request since the requirement is urgent. 8/7912-50-600



25X1

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