

~~TOP SECRET~~

memorandum

DATE: 18 March 1980

NSA/BYE-88102-80 *cyta*

REPLY TO
ATTN OF: R944

SUBJECT: Tactical COMINT Exploitation By P-989 Systems (~~S/B~~)

TO: DISTRIBUTION

1. ~~(S/B)~~ Analysis of Mission 7300 CW intercept as well as data from other programs indicates that the deployment and communications signature of Soviet/Bloc military forces is frequently a useful indication and warning parameter. This, coupled with the flexibility of Mission 7300 to intercept and geolocate most CW signals, and the improved sensitivity of newer P-989 collectors, suggested this study. We have attempted to survey the tactical CW signals of the future; assess their interceptability and make recommendations on how to automatically recognize and characterize a limited sub-set of the high value (in an I&W sense) targets.

2. ~~(S/B)~~ This is a preliminary effort and we are continuing to refine the details of the target characteristics and the recognition techniques. We invite your comments and critique.

3. ~~(S/B)~~ We recommend that the concept/conclusions of this study be considered by the SPO's/designers for incorporation in any advanced P-989 as well as retrofit to the FARRAH series. Any additional data resulting from proposed recongizer analysis will be forwarded.

4. ~~(S/B)~~ The support of various A, W and [redacted] personnel (particularly [redacted]) is both acknowledged and appreciated.

[redacted]

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