

Date 20 April

TO

FROM

- Commanding Officer
- Asst Commandant
- Dir of Com. Research
- Administrative Officer
- Asst Admin Officer
- Adjutant
- Asst Adjutant
- Chief, Admin Branch
- Info & Liaison Branch
- Chief, A Branch
- Chief, B Branch
- Chief, C Branch
- Chief, D Branch
- Chief, E Branch
- Chief, F Branch
- Chief, G Branch
- 2d Sig Serv Bn.
- Dir of Training
- Property Officer
- Intelligence Officer
- Personnel Officer
- Provost Marshal
- Post Engineer
- Classified Mail Room
- Secretary to C. O
- General Files
- 201 Files

- Comments and Return
- Recommendations
- Information and Return
- Information and Forwarding
- Information and File
- Signature, if approved
- See Note on Back
- As Requested
- As Discussed
- Your Action

*Ed Allsoph*  
*I concur in this - transportation systems generally do not lend themselves to practical development. DT as presently used is adequate for our requirements.*

*Ed*

# ROUTING AND WORK SHEET

SUBJECT Transposition Device

Number each action	To—	Memorandum	Name, Division or Branch, and Date
1	Dir. of Communications Research THRU. Chief, C Br. <i>CFA</i>	<p>1. Analytical study has been completed on the transposition device submitted by Col. Tiltman.</p> <p>2. The study showed that this type of transposition possesses a high degree of security, solution depending upon the occurrence of at least four messages in depth so that anagramming is possible. No solutions were effected on messages not in depth.</p> <p>3. From an operational viewpoint, however, the device showed several physical disadvantages.</p> <p>a. Both encipherment and decipherment were slow and subject to error.</p> <p>b. The device is cumbersome to handle and difficult to use.</p> <p>c. The glass surface does not take ink, pencilled letters will not wash off, and the letters are at all times difficult to read.</p> <p>d. The blacked-out portions smear when exposed to dampness. Black, gummed, removable tape would be more satisfactory.</p> <p>4. Some of the above physical objections could perhaps be overcome, but it is not believed that the need for a new transposition system is sufficient to warrant developing a device similar to this one.</p>	<p><i>Joseph J. Martan</i>            Joseph J. Martan            Major, SPSIC-4            Ext. 261, 20 Apr 44            FCA, Ext. 262</p>