

it would appear to lag considerably behind the first generation of the tactical or the second generation of the DSCS. It is coordinated. We are monitoring this from within Dr. Tucker's—

Mr. DAHLIN. Two years off at a minimum?

Mr. SHELOR. At least.

Mr. DAHLIN. If there were this kind of particular satellite for mainly aircraft use, I take it, it would have to be a dedicated satellite. Is that the present idea? You couldn't make a TacSatCom work for this purpose, let's say?

Mr. SHELOR. Actually if you want to obtain navigation from the satellite, most of the concepts require multiple satellites in synchronous- or near-synchronous-type orbits providing both the communications and the navigation capability. I think it is something that TacSat might evolve into along with the next generation of Navsat but I think it is in that time frame.

Mr. DAHLIN. Is it then the kind of problem that would be solved by some successor organization of TSEG? Some day they will merge in management, is that it?

Mr. SHELOR. In my view it certainly requires an interservice consideration because navigation is a common requirement to all the services and to the civil community also and I think that the requirements DOD-wise, the joint requirements, need to be laid down and the system concepts evaluated against those requirements. So it may not be TSEG but some way we have to pull this information together.

LEASE OF BANDWIDTH

Mr. DAHLIN. This is probably more in General Klocko's area but I understand there are moves to buy satellite communications in terms of bandwidth rather than just channels. Is that a problem for the DCA at the present time?

General KLOCKO. Well, we are going to wider bandwidths. We are still in the process of buying by channels, however. I know there are some other governmental requirements which are being expressed in terms of bandwidth rather than channels. To the present time we haven't done any of it in DCA.

Mr. DAHLIN. Is this a matter of buying for reasons of economy or because there are kinds of equipment that require wider and wider bandwidths as far as you are concerned?

General KLOCKO. I am not sure what the other agency requirement is.

Mr. DAHLIN. If you were to have wide-band requirements at the moment would you be looking for as many channels as you could get out of any particular bandwidth, or in order to handle new kinds of equipment coming along?

General KLOCKO. I would say it would probably be the requirement for a block of bandwidth rather than a collection of channels, thinking here in terms of things like secure voice.

Mr. DAHLIN. That would be your normal concern. If you procure wider bandwidths or have to in the future, it would be because there is special purpose machinery—

General KLOCKO. Specific purposes that would require the wider bandwidth.