

Mr. COHEN. We sent a turbogenerator, 400-cycle power generator with the equipment to operate it in the field instead of connecting it to commercial power or whatever is available.

Mr. ROBACK. You think the power source is limited?

Mr. COHEN. The power source has been our most serious problem.

Mr. ROBACK. That is external to the——

Mr. COHEN. It is external to the electronics of the equipment, but it is part of the overall set. It is required in order to operate it.

Mr. ROBACK. So what do you do? Get more power?

Mr. COHEN. We have been studying the reliability of these power supplies and the possibility of modifying the prime power system to enable it to be tied to commercial power. Once that is resolved I think most of our problems will be——

Mr. ROBACK. You mean those mobile stations will not be useful unless you have a commercial power supply in the area?

Mr. COHEN. No. The equipment contains a 400-cycle power supply that goes along with it. At the present time that has been one of our main problems; because it is 400 cycle we can't tie it into most of the other power supplies that are available at 60 cycles. We are going to provide a power converter with the terminals so that they can tie into other power sources, either commercial or military, that happen to be at the same stations.

Mr. ROBACK. When did this power problem develop? It seems to me this is an original design problem. What kind of power supply do you design to? Wasn't this tested out in the early stages?

Mr. COHEN. Yes, it was tested and a standard tactical power supply was provided with the equipment. It is a 400-cycle Marine Corps turbogenerator set.

Mr. ROBACK. And it is not working properly, Mr. Cohen?

Mr. COHEN. It works properly when it is properly set up and operated. Most of these problems have been the proper training and supply of personnel to support and maintain the power equipment. We think it is a problem that can be resolved in a very short time.

Mr. ROBACK. If the problem is not resolved, that means you have a degraded system, but not necessarily a useless one?

Mr. COHEN. That is right.

Mr. HOLIFIELD. Isn't this in the basic power? It would seem like we have enough experience in providing basic current to do this job without too much trouble. I can't quite understand why——

Mr. COHEN. It is in the basic power. I agree we should have enough experience to provide basic power systems and that is one reason we feel it should be resolved in a very short time.

Mr. LUMAN. Is this in the manufacturer's equipment or in the equipment you give them?

Mr. COHEN. Government-furnished equipment.

Mr. HOLIFIELD. Did you depart from commercial designs and design something special and unique?

Mr. COHEN. No, sir. We took a standard Marine Corps tactical equipment.

Mr. HOLIFIELD. What is it? Inadequacy of power or unreliability of the equipment?

Mr. COHEN. It has been primarily of sufficient trained personnel to set it up and operate it and maintain it properly. We have plenty of