

EXHIBIT I

APPLICATION FOR NEW OR MODIFIED RADIO STATION AUTHORIZATION UNDER PART 5 OF FCC RULES - EXPERIMENTAL SERVICE (Other Than Broadcast)

Background

One World Telecommunications, Inc. (hereinafter "OWT") is a Washington corporation intending to engage in experimentation on its own and in conjunction with other companies and/or individuals who have an interest in the development of PCN/PCS, and is currently researching the viability of establishing PCN/PCS services in the United States. OWT will also act as a consultant in the rapidly expanding area of personal telecommunications. Accordingly, OWT seeks an Experimental License in order to conduct technical and market research. Technical research will be pursued in partnership with various entities (representing the below referenced industries) and with the research assistance of the University of Washington's College of Engineering and Computer Sciences under a proposed relationship between OWT and the College.

OWT represents a unique applicant in that it is not currently participating in the operation of a wireline telephone service, cellular service, paging service, or cable television service. However, OWT, through its principals and affiliations has extensive knowledge and experience in the telecommunications industry. Given its lack of industry affiliation, OWT has no particular predisposition or bias (other than those stated herein) which may distort its experimental objectives and, therefore, the resulting data. Accordingly, the data provided to the Commission pursuant to OWT's experimental license should materially enhance the Commission's understanding of PCN/PCS and promote the Commission's objectives stated in its Notice of Inquiry.

It is the belief of OWT that microcell technologies, in conjunction with existing telecommunication technologies, will revolutionize the way individuals and businesses function. OWT intends to be an active participant in this industry, and to that end will conduct market surveys directed at prospective users.

It is critical that the FCC provide an experimental environment which will address the public interest and enhance the likelihood that future microcell services will be offered in a competitive marketplace, while at the same time addressing the regulatory issues of the technology itself.

Adequate financial appropriations will be made based upon the results of the Phase I laboratory evaluation and in reference to the ultimate system requirements of each individual industry test application.

General Description of Experiments

One World Communications, Inc. will conduct research for purposes of determining PCN/PCS use parameters and market research in a high density, urban environment. The technical research will consist of field tests in four distinct application environments.

1. Shipping/Transportation
2. Hotel/Convention
3. Urban Corporate or Public Campus
4. Office Tower

It is expected that each field test will yield valuable data as to the technical parameters of PCN/PCS technology. Additionally, any technical research performed pursuant to the proposed research relationship with the University of Washington will be readily available to public and private interests alike.

Test Frequencies and Geographic Locations

The frequencies to be tested will be as follows:

1. 901-960 MHz
2. 1700-2200 MHz

Technical and market research will be conducted at the following field locations:

1. Seattle Washington, 47.36 N, 122.19 W
2. Los Angeles, California, 34.03 N, 118.14 W.
3. Long Beach California, 33.46 N, 118.11 W.

The following frequency parameters will be tested at the test sites:

1. Seattle, Washington.
901-960 MHz, 10 mW power, voice/data
1700-2200 MHz, 1 watt power, CDMA/TDMA, Spread Spectrum, voice/data
Bandwidth to be determined during Phase I laboratory evaluation
2. Los Angeles, California
901-960 MHz, 10 mW power, voice/data
1700-2200 MHz, 1 watt power, CDMA/TDMA, Spread Spectrum, voice/data
Bandwidth to be determined during Phase I laboratory evaluation.
3. Long Beach, California
901-960 MHz, 10 mW power, voice/data
1700-2200 MHz, 1 watt power, CDMA/TDMA, Spread Spectrum, voice/data
Bandwidth to be determined during Phase I laboratory evaluation..

Bandwidth will be determined during the Phase I laboratory evaluation, and the results will be reported to the Commission prior to Phase II deployment.

Testing and research will be conducted within a fifty mile radius of the test sites referenced hereinabove.

OWT is aware that other experimental licenses may be issued for the test sites referenced hereinabove, and OWT will coordinate its use with existing users of the spectrum and other experimental license operators in the area.

Given the limited radio wave propagation of PCN/PCS microcell technology, it is not anticipated that interference will occur in spectrum where use is currently allocated. However, OWT intends to test the microcell technology in telecommunication rich environments in order to identify interference and use parameters in spectrum previously allocated by the FCC. Testing will be under strictly controlled conditions with the prior knowledge of any party whose use of previously allocated spectrum may be effected. In the highly unlikely event that actual interference were to occur, tests within such spectrum would be terminated until such time as the interference could be resolved.

Test Parameters and Issues

A maximum of 250 handsets will be deployed at any one test site during the testing period. It is anticipated the the test duration will be 18 to 24 months. The following is a partial listing of test objectives:

1. Frequency Interference. The proposed frequencies may involve shared use with other broadcast media. OWT will test the feasibility of locating PCN/PCS services on a co-primary basis within the test frequencies. This test will include research for interference immunity for adjacent and co-channel interference, external high powers interferers, and geographical and environmental interference factors.

2. System Capacity. Attainable grade of service will be tested based upon the number of channels available and the reuse of frequencies within acceptable base station deployment.

3. Wireless System Interoperability. The potential for interoperability between existing wireless communications and the experimental PCN system will be researched. This research would include standards for switch to switch communications (use of proposed IS-41 standard), call handoff, caller verification, and roaming. The research would also include the technologies required to deploy a compatible handset across cellular and PCN/PCS systems.

4. PSTN and PCN Interoperability. OWT will research the requirements for interconnecting with the Public Switched Telephone Network. This research would include the use of the network as an intelligent device for providing one number to a user regardless of the user's communication device (i.e., Personal Number Service).

5. PCN Handset Technology. OWT will research basic handset issues. These issues would include ergonomics of the handset, battery capacity (size versus time), handset size, handset features, and antenna type and size versus reception quality and distance.

6. Base Station Propagation. Base station technology will be researched for propagation both within and outside the proposed use site. This research would include the study of channel capacity and channel reliability in both settings.

7. Call Handoff. Call handoff between base stations will be researched under varying applications and conditions. The research will include call handoff while transmitting data over the PCN/PCS application, and testing voice communications during different conditions of mobility.

Additional Test Issues

Related issues will be tested using the test systems which are in a sense non-technical but nevertheless critical to deploy and operational PCN/PCS service. The following is a partial list of research subjects:

1. **Deployment Cost.** The cost to deploy a PCN/PCS system under varying conditions, applications, capability, and market penetration will be researched.
2. **End User Satisfaction and Applications.** End users of the PCN/PCS technology will be interviewed every sixty days. The focus of the research will be to identify end user satisfaction, as well as to ascertain additional uses identified by the user group. Such research will define minimum user expectations versus technological or cost limitations, and to establish a value for the particular service offering.

Research and Test Phases. The research and testing will occur in three general phases as follows:

Phase I. Laboratory evaluation of the propagation parameters of PCN/PCS under the proposed frequencies and configurations. This evaluation will include the development of propagation maps for the deployment of PCN/PCS for the specific applications, and to determine the propagation parameters of CDMA and TDMA radios in open (exterior) environments. Computer modeling would be coupled with field testing. Analysis of potential interference from the site environment, natural conditions, and other technologies sharing the same frequencies will also be studied during this initial phase. This phase should be approximately two to four months in duration.

Phase II. Limited deployment of the PCN/PCS system(s). This phase would be initiated by a limited deployment to test the conclusions of Phase I. Subsequent to Phase I conclusions being validated, a more expansive deployment would occur. Such a deployment would be limited to one site. It is anticipated that this phase would be two to four months in duration.

Phase III. Full deployment of the proposed experimental PCN/PCS system. It is anticipated that this phase would be approximately twelve to eighteen months.

Proposed Equipment.

The equipment would be acquired from vendors with equipment capability meeting the standards of the experimental application as indicated hereinabove. OWT will inform the Commission of the specific equipment to be tested prior to such testing.

Research Related To The Post-Experimental FCC License Allocation Process.

At the appropriate time, it is OWT's intention to submit to the FCC and appropriate Congressional offices research outlining various allocation methods and to provide specific information as to which license allocation method or methods would best serve the public interest. The research will be performed in joint venture with those interests providing the test sites during the experimental phase. Technical and market research will be performed in actual and diverse industry applications, resulting in data which will lend itself to validating which allocation method or methods would best serve the public interest. The study will consider such factors as regulatory control, application controls within a limited spectrum environment, market competition, and the interests of the public.