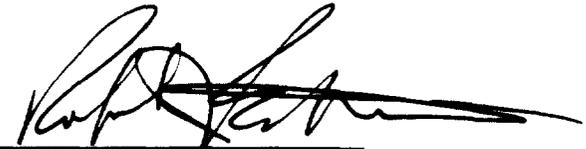


These four simple steps can resolve uncertainties and facilitate the fastest possible deployment of a broad family of new unlicensed PCS products for the benefit of American consumers.

Respectfully submitted,

UTAM, INC.

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ATTACHMENT 1

UTAM Board of Trustees

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Spectra Link
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Utilities Telecommunications Council
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ATTACHMENT 2

UTAM FCC PLAN

I. EXECUTIVE SUMMARY

II. IMPORTANCE OF UNLICENSED PCS

A. Importance of Unlicensed PCS

- Consumers
- Productivity
- Jobs
- Global Competitiveness

B. Need for Fund Raising; Band Clearing and Coordination To Deploy Unlicensed PCS

C. Formation of Ad Hoc Committee

D. Report and Recommendations of Ad Hoc Committee to FCC

E. FCC Second Report and Order

- Tentatively designated UTAM as Frequency Coordinator
- Obligations of UTAM to develop and implement financing and relocation plan for band clearing

- [funding]

— [clearing]

— [expeditious asynchronous deployment]

— [coordination]

F. Issues on Reconsideration

III. DESCRIPTION OF UTAM

A. Members/Board/Officers

B. Charter & Bylaws (attached)

- **Membership eligibility**
- **Voting rights**
- **Other salient aspects**

C. Organization

- **Include organizational chart (e.g., Executive Director, Finance Officer)**
- **Staff**
 - **set out job descriptions and hiring process**
 - **describe administrative arrangements**
- **Committees**
 - **Finance**
 - **Deployment**
 - **Adjacent Channel Interference**
 - **Other?**
- **Outside contractors**
 - **Goldman Sachs**
 - **BIS**
 - **Database/Coordinator?**

D. Protection of Proprietary Information

- **Royalty payments**
- **Coordination data**

IV. FINANCING PLAN

A. Cost Estimates

- Relocation/coordination expenses
- Deployment expenses
- Administrative Expenses
- Credits for advanced payments (White Paper issue)

B. Revenue Sources and Estimates

- Results of market study (BIS study)
 - Types of products
 - Market penetration
 - Market pricing of products by year
 - Year by year sales dollars/royalty expectations
- Methodology to substantiate results
- Amount of spectrum and limitations on growth
- Alternatives considered and rationale for choices
- Financing Plans
 - Royalty payments (White Paper issue)
 - Coordination fees
 - Advance payments (White Paper issue)
 - Need for cost sharing from PCS/MSS licensees
- Method of payment to UTAM
 - procedures for sales reporting/verification
 - periodic remittances

V. **BAND CLEARING PLAN**

A. **Principles and Objectives for Band Clearing (White Paper issue)**

- **Solicitation of proposed principles and objectives**
- **Rationale for choices and rejection of alternatives**

B. **Identification of Incumbents**

- **Need FCC database verification and update (1890-1930 GHz plus adjacent channels)**
- **Size the problem**
 - **Numbers to clear**
 - **Adjacent channel interference concerns**

C. **Priorities for Clearing (White Paper issue)**

- **Solicitation of proposed priorities**
- **Rationale for choices and rejection of alternatives**

D. **Relocation process**

- **Notification of incumbents**
- **Negotiation approach**
- **Relocation of MW Systems**
- **Identification and licensing of new frequency**
 - **coordination with other moves**
 - **process for assignment of new frequency**
 - **federal, state and local requirements**
- **Allocation of construction and related responsibilities between UTAM**

and licensee as negotiated

- Procurement of equipment and engineering services/payment of costs
- Construction of new facilities
- Dealing with "difficult" links
- Testing of facilities
- One-year prove out period
 - procedures for failure
- Transfer of license to UTAM
 - hot standby
 - process of seeking reimbursement from benefited PCS licensees

E. Timing Expectations for Clearing (White Paper issue)

- Frequency
- Geography
- Exempt Links

F. Satisfaction of Obligation to Expedite Deployment of Nomadic Asynchronous Devices (White Paper issue)

- Funding
- Clearing priorities
- Timing
- Guard bands?
- Other

VI. COORDINATION OF UNLICENSED PCS DEVICES

A. Rationale for Early Deployment

- Meet public needs ASAP
- Necessary to create market/raise funds for band clearing

B. Requirements of Rules

- Definitions of coordinatable
- Location verification before activation
- Relocation disablement pending recoordination
- Labelling requirements

C. Details of Process

- Step-by-step flow charts covering periods (1) from sale to deployment/activation and (2) from relocation to reactivation
- Methodology for determination of interference
 - calculation of power thresholds
 - identification of exclusion zones
 - adjacent channel concerns
 - PCS deployment database—the following information about UPCS deployed devices must be collected:
 - Power
 - Bandwidth
 - Geographic location
 - Vertical height
 - How the device is installed

- Number of transceivers
- explain "egg" diagrams (and process attached to each case)
- Location verification procedures
 - FCC Rules
 - Manufacturer must demonstrate compliance
 - FCC determines if showing satisfies rules
 - To assist FCC and manufacturers, UTAM's role may be to develop test suites and options for clearly acceptable approaches
 - but manufacturers not limited to these
 - Precise mechanism left to manufacturer
- Relocation/recoordination procedures
 - FCC Rules
 - Test suites
 - Precise disablement left to manufacturer
- Confidentiality of sales/distribution safeguards

VII. DISPUTE RESOLUTION

A. Types of Disputes

- Failure of relocation negotiations
- Inadequacy of relocated facilities prior to move
- Inadequacy or failure of relocated facilities during one-year test period
- Interference complaints
- Other

B. Process

- **Alternative dispute resolution mechanisms**
- **Escalation**
- **FCC as last resort**

VIII. UTAM WIND UP AND DISSOLUTION

A. Definition of Band Clearing

B. Close Out of Finances

ATTACHMENTS:

1. **Charter**
2. **ByLaws**
3. **Glossary**
4. **Standard Agreements**
5. **Member Handbook**
6. **Sales Liaison Package**
7. **Disablement Test Suite**