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**1. ASSIGNED PROJECT NUMBER:**

**2. SPONSOR DATE OF REQUEST:** 2004-09-16

**3. TYPE OF DOCUMENT:** Standard

**4. TITLE OF DOCUMENT:** Architecture and Functional Decomposition of Lawfully Authorized Electronic Surveillance (LAES) of Public IP Network Access Service (PIPNAS) and Definition of a PIPNAS Provider and its Capability Requirements for LAES

**5. LIFE CYCLE:** Full-Use

**6. TYPE OF PROJECT:** New

Modified PAR?

In Ballot?

**7. WORKING GROUP INFORMATION**

Name of Working Group: LAES for PIPNAS

Approximate Number of Expected Working Group Members: 20

**8. CONTACT INFO FOR WORKING GROUP CHAIR**

Name of Working Group Chair: Greg Ratta

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**9. CONTACT INFO OF CO-CHAIR/OFFICIAL REPORTER**

Name of Co-Chair/Official Reporter:

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**10. CONTACT INFO OF SPONSOR**

Sponsor: CAG

Name of Sponsor Chair: W. Charlton Adams

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**Standards Coordinator (Power Engineering Society Only):**

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**CO-SPONSOR INFORMATION (THIS IS BEING SPONSORED BY TWO SPONSORS):**

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**11. TYPE OF SPONSOR BALLOT:** Entity

Expected Date of Submission for Initial Sponsor Ballot: 2006-06-30

**12. PROJECTED COMPLETION DATE FOR SUBMITTAL TO REVCOM:** 2006-09-30

**13. SCOPE:** This project will create an architecture to define the relationship of various communications industry segments associated with Public IP Network Access Service (PIPNAS), relative to responsibilities pursuant to the Communications Assistance for Law Enforcement Act (CALEA). This architecture will be used in this standard to define a protocol-independent information flow among the functional elements of the architecture and to define the organizational entity types that are involved. This standard shall apply to broadband access from wired (e.g., using DSL or cable modem) and wireless (e.g., using 802.11x or GPRS) interfaces.

Completion of this document contingent? No

**14. PURPOSE:** There is no standard definition of a "PIPNAS Provider" and there is no standard definition of the relative capability requirements of the various industry segments identified in clause 14a; this project will create that definition. Furthermore, there is no single Standards Development Organization that includes all these segments of the industry; this project will create that venue. This project will give clarity to network operators and their suppliers about the capability requirements to satisfy the needs of law enforcement pursuant to CALEA. The FBI has documented law enforcement's electronic surveillance needs for PIPNAS in a document that may be requested here: [mailto:news@askcalea.net?subject=Request File \[20030930.ssd.pipnas.1.0.pdf\]](mailto:news@askcalea.net?subject=Request File [20030930.ssd.pipnas.1.0.pdf]) .

14a. Reason: Personal communications have traditionally been carried via wireline circuits pursuant to an arrangement with a Local Exchange Carrier. Recent advances in technology have

increased the variety and prevalence of more flexible access arrangements to service providers. Network access can be obtained by establishing a subscription-based arrangement with a PIPNAS Provider. The typical PIPNAS Provider will offer services that combine network processing, protocol conversion, and routing with transmission to enable users to access a public IP network. The necessary network support services required to enable communication may also be offered by a PIPNAS Provider or may be obtained via an Application Service Provider (ASP), an Information Service Provider (ISP), a Local Exchange Carrier (LEC), or a combination of these entities. This standards project is complementary to the efforts that created ANS J-STD-025-A (for Voice Services), ANS T1.678 (for Voice over IP in a wireline environment), ANS T1.724 (for Voice and Data in a UMTS environment), and PKT-SP-ESP-I03-040113 (for Voice in a PacketCable environment). The aforementioned standards have focused only on the specification of the interface between Network Operators and Law Enforcement Agencies and are associated mostly with VoIP rather than PIPNAS. This standard is expected to benefit service providers with clarity about "safe harbor" limits of CALEA responsibilities, equipment / software providers with clarity about CALEA feature requirements, and Law Enforcement with more timely support for their CALEA needs by industry.

## 15. INTELLECTUAL PROPERTY:

Patent Policy: No

Copyrights: No Since this working group is yet to be formed, such a review is not possible. Attention to IEEE Intellectual Property requirements and the desirability of early notification is expected to be drawn at each meeting.

Trademarks: No As indicated above, the participants are expected to be reminded of the IEEE policy on Intellectual Property.

Registration of Object: No

## 16. SIMILAR SCOPE: No

Explanation: There are activities within two ATIS Committees, TIA TR 45, and several ETSI working groups. These related activities have narrower foci, mostly associated with specifications of protocol and procedures associated with particular interfaces and particular network technologies.

Sponsor:

Project Number:

Project Date:

Project Title:

## 17. FUTURE ADOPTION - INTERNATIONAL SPONSOR: Do not know at this time

Int'l Organization:

Int'l Contact Person:

Telephone:

FAX:

E-mail:

## 18. FOCUS ON HEALTH, SAFETY OR ENVIRONMENTAL ISSUES:

Explanation:

## 19. ADDITIONAL NOTES:

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