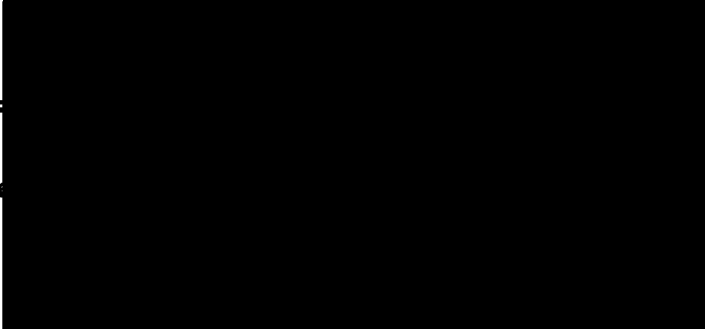


Committee on Energy and Commerce  
U.S. House of Representatives  
Witness Disclosure Requirement - "Truth in Testimony"  
Required by House Rule XI, Clause 2(g)(5)

1. Your Name: <i>Richard Shockey</i>		
2. Your Title: <i>Principal</i>		
3. The Entity(ies) You are Representing: <i>Shockey Consulting</i>		
4. Are you testifying on behalf of the Federal, or a State or local government entity?	Yes	No
		<input checked="" type="checkbox"/>
5. Please list any Federal grants or contracts, or contracts or payments originating with a foreign government, that you or the entity(ies) you represent have received on or after January 1, 2013. Only grants, contracts, or payments related to the subject matter of the hearing must be listed. <i>NONE</i>		
6. Please attach your curriculum vitae to your completed disclosure form.		
		

Signature

Date:

*21 Sept 2016*

## **RICHARD D. SHOCKEY**

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### **PROFILE**

- Internet Telecom Data Communications Industry and Technical Leadership.
- Advisor to Venture Capital, Private Equity, and Securities Analysts on IP and telecommunications technology.
- Advisor to national regulatory bodies (Federal Communications Commission; Canadian Radio-Television and Telecommunications Commission; OFCOM UK, as well as national and trade media.
- Internationally recognized expert and speaker on Next Generation Network Signaling, SIP, VoIP technologies and PSTN Transition issues.
- Technical, as well as business leadership for new services and products.
- Proactive technical “Eyes and Ears” for new product business opportunities.
- Direct customer facing orientation in coordination with national account teams on key sales opportunities.
- Development, management and coordination of highly technical teams, both within corporations, as well as industry standards and technical promotion organizations.
- Exceptional verbal and writing skills.

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### **PROFESSIONAL EXPERIENCE**

#### **SHOCKEY CONSULTING**

**January 2009 – Present**

Reston, Virginia

#### **Principal**

Consulting firm specializing in strategic advice and action plans for IP communications technology.

#### *Selected Projects:*

- Analysis and report to OFCOM with WIC Consulting (Germany) on strategic options for combating Caller ID Spoofing and Robocalls.
- Advisor to Canadian Radio-Television and Telecommunications Commission on Omnibus 911 inquiry and technical options to combat Caller ID Spoofing.
- Developing action and business plans for N round funding of global technology firms.
- Developing comprehensive technical architecture and business model for direct Enterprise IP to IP Real Time communications Interconnection.
- Litigation advice and Expert Opinion Documentation on areas related to VoIP.
- Advising global carriers on technical and strategic options for VoIP peering.
- Advising global carriers on technical and strategic options for Local Number Portability and Next Generation numbering / signaling databases.
- Advisor on the use of IP technology for Smart Grid / White Space Database developments.

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**FEDERAL COMMUNICATIONS COMMISSION** **November 2015 – Present (2 Year Term)**  
**Member, North American Numbering Council (NANC)**

NANC is a Federal Technical Advisory Council within the FCC Wireline Competition Bureau, whose mission is to provide recommendations, advice and guidance to the FCC on the administration of telephone numbers within the North American Numbering Plan (NANP). The NANP includes the United States, Canada and several other Caribbean nations. Current issues include National Geographic Number Portability and techniques to combat Caller ID Spoofing and Robocalls.

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**FEDERAL COMMUNICATIONS COMMISSION** **July 2011 – March 2013 (2 Year Term)**  
**Member, Communications Security Reliability and Interoperability Council (CSRIC)**

CSRIC is a Federal Technical Advisory Council within the FCC Public Safety and Homeland Security Bureau, whose mission is to provide recommendations to the FCC to ensure, among other things, optimal security and reliability of communications systems, including telecommunications, media and public safety.

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**SIP FORUM** **November 2007 – Present**

[www.sipforum.org](http://www.sipforum.org)

**Chairman of the Board of Directors (December 2009- Present)**  
**Member of the Board of Directors (November 2007)**

The SIP Forum is an industry association with members from the leading IP communications companies. Its mission: To advance the adoption of IP communications products and services based on SIP. The Forum promotes SIP as the technology of choice for the control of real-time multimedia communication sessions throughout the Internet, corporate networks and wireless networks. Membership consists of 35 internationally recognized companies and institutions, including such firms as Cisco, Microsoft, Comcast, Rodgers, Avaya, Alcatel-Lucent and Columbia University, among others.

The function of the Chairman of the Board is to lead the overall direction of the Forum, including developing and managing its budget in conjunction with the SIP Forum Executive Director, creating and supervising technical initiatives, as well as being a spokesperson for SIP and the Forum throughout the industry.

*Current SIP Forum Initiatives:*

- Jointly formed a national Network to Network Interface (NNI) task force with the Alliance for Telecommunications Industry Solutions (ATIS) to further US national goals to enable the transition of the PSTN to all IP technologies. Reports submitted to Industry and FCC.
- SIPConnect 1.1 is a SIP Forum profile that defines a common set of implementation rules for interfacing an IP PBX with a SIP-enabled service provider. Created and co-chaired Task Group. SIPConnect 2.0 is under development.
- SIPConnectit is an initiative for creating a third-party verifiable testing and branding program for IP-PBX to Service providers.
- Created SIPNOC (SIP Network Operators Conference), which is the leading technical conference for the operators of SIP and Real Time Next Generation Communications Networks.

- SIPit is the internationally recognized forum for testing SIP products and services.
- SIP Client User Configuration is developing a profile for simplification of SIP Client User Agent configurations.
- Fax Over IP Task Group is developing recommendations to improve on classic T.30 PSTN fax interoperability function over SIP networks.
- VRS Profile is developing a SIP Profile of the Video Relay Service in cooperation with the US Federal Communications Commission.
- Coordination with other Industry Technical Forums:
  - IPv6 Forum
  - International Multimedia Telecommunications Consortium
  - I3Forum (International Wholesale Carriers)

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**NEUSTAR, INC. (NYSE-NSR)**  
Sterling, Virginia

**January 2000 – January 2009**

**Director, Distinguished Member Technical Staff, Strategic Technology Initiatives**

NeuStar is/was the North American Numbering Plan Administrator, Number Portability Administration Center, operator of .BIZ and .US top level domains and provider of a variety of OSS services to North American Carriers.

*Selected Achievements:*

- Founder and co-chair of IETF ENUM (Electronic Numbering) Work Group Core Document RFC 3761 RFC 6116, now recognized globally as the next generation SIPVoIP/NGN signaling architecture for wireline and wireless networks.
- Founder and Former co-chair of IETF DRINKS (Data for Reachability of Inter/Intra Network SIP) working group, which is developing an industry standard methodology for the exchange of data to permit direct intercarrier interconnection without the use of the PSTN.
- Developer of the Concept/Design/Architecture/Strategy for Next Generation Number Translation Service SIP-IX, based on ENUM RFC 6116 – the first all IP SS7 replacement service for Number Portability based on DNS/SIP.
- Developer of the Concept/Design/Architecture Multi-Media Service (MMS) wireless routing service based on ENUM (commercial carrier oriented private ENUM service – Verizon Wireless, ATT Wireless, *et al.*).
- Developer of the Concept/Design/Architecture for Number Resolution service selected by GSM-A for global routing of mobile operator services.
- Initiated discussions with Comcast and Cable Industry (CableLabs) regarding private ENUM service for intercarrier VoIP routing (PeerConnect).
- Key member of the winning bid team for .BIZ top level domain (ICANN), which was part of the first round of new top level domains introduced globally.
- Key member of the winning bid team for .US top level domain (Department of Commerce).
- Initiated and coordinated the bid team for RFID-EPC global root service for Object Name Service (“The Internet of Things”).

*Responsibilities:*

- Track and report VoIP and Next Generation network activities worldwide for internal consumption and strategy activities.
- Oversee, monitor and coordinate participation in various standards bodies (IETF, 3GPP, CableLabs) related to core businesses.
- Oversee internal VoIP/NGN signaling architecture design activities.
- Technical coordination and account management of new business development groups.

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**SHOCKEY CONSULTING**

**April 1997 – December 1999**

St. Louis, Missouri

**Principal, Chief Executive Officer**

Sole proprietorship consulting firm specializing in IP communications technology.

*Selected Projects:*

- Xerox Corporation. Design, develop and deploy IPP Internet Printing Protocol (RFC 2910-RFC 2911) as a potential fax transport layer.
- Hewlett Packard Corporation. Monitor and participate in IETF Internet Fax activities resulting in RFC 2305.
- Hewlett Packard Corporation. Integrate Internet Fax technology into ScanJet network scanning terminal, resulting in HP Digital Sender product line.

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**NŪNTIUS CORPORATION**

**January 1992 – March 1997**

St. Louis, Missouri

**Founder, Chief Executive Officer**

Nūntius was a pioneer in the development and marketing of high performance, high volume Fax On Demand systems for enterprise customers.

*Principal Achievements:*

- Development of international clientele in both government and commercial sectors.
- Successfully completed negotiations to sell company to the publicly-held RightFax division of Captaris Corporation (NASDAQ-CAPA).

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**AWARDS**

- Cover of *Communications Convergence Magazine* as a “SIP Luminary” in July 2000, along with SIP pioneers Henry Sinnreich of WorldCom and Henning Schulzrinne of Columbia University.
- *Computer Telephony Magazine*, Product of the Year 2001, ENUM Initiative.
- *Network Magazine*, Product of the Year 2002, ENUM.

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**SELECTED PUBLICATIONS**

- FCC Ex Parte Filing, Vonage Petition WC Docket 10-90 2012;  
<http://apps.fcc.gov/ecfs/document/view?id=7022009344>
- FCC Ex Parte Filing, PSTN Transitions FCC Commissioner Pai 2013;  
<http://apps.fcc.gov/ecfs/document/view?id=7022105978>
- FCC Ex Parte Filing, IP Transitions In Support of NCTA GN Docket 12-353 2013;  
<http://apps.fcc.gov/ecfs/document/view?id=7022124820>
- RFC 4769. Livingood, J., Shockey, R. "IANA Registration for an Enumservice Containing Public Switched Telephone Network (PSTN) Signaling Information." J Status: Standard Track. November, 2006.
- RFC 4759. Stasny, R., Shockey, R., Conroy, L. "The ENUM Dip Indicator Parameter for the "tel" URI." December 2006.
- Internet Draft. Shockey, R., *et al.* "IANA Registration for an Enumservice Calling Name Delivery (CNAM) Information and IANA Registration for Media type 'application/cnam'". draft-ietf-enum-cnam-08.txt. (Work in Progress, WG Approved, Awaiting IESG Approval)
- Internet Draft. Shockey, R., Creighton, T. "IANA Registration for an Enumservice Trunkgroup". draft-shockey-enum-trunkgroup-00.txt. (Work in Progress)
- Shockey, Richard and Rosenberg, Jonathan. "SIP Tutorial", *Computer Telephony Magazine*, June 2000. (First article on SIP in a commercial publication.)
- Shockey, Richard. "ENUM-Phone Numbers Meet the Net." *Communications Convergence Magazine*, July 2001.
- Shockey, Richard. "Goals and Requirements for the use of the Internet Print Protocol (IPP) as a Facsimile Service." Draft-shockey-ipp2ifax-goals-00.txt. (Expired 1999)

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**SELECTED SPEAKING ENGAGEMENTS**

- NTCA IP Possibilities (keynote) 2015
- GENBAND IP Perspectives (keynote) 2015
- CRTC MAAWG Joint Workshop on Caller ID Spoofing, 2014
- COMPTEL, PSTN Transitions, 2013
- Federal Communications Commission, PSTN Transitions, 2011
- Canadian CRTC, PSTN Transitions, 2012 (En Banc)
- Wharton School of Business, End of the PSTN, 2012
- Illinois Institute of Technology, Real-Time Communications Conference, 2006-2012
- PULVER.COM, VON Voice on The Net, Fall and Spring 2001 to 2008
- Acme Packet Interconnect, 2009-2012
- NEXcomm, 2008
- Global Peering 2.0, 2007
- ENUM Summit, 2005-2007
- VON Developers SIP Summit, 2003-2004

- Internet Telephony Expo, 2007-2012
- IRR Telephony Signaling, London 2007
- Internet Society Netherlands, Amsterdam 2007
- International SIP, Paris 2004
- Pacific Telecommunications Council, 2006-2007
- NGN Networks, 2002, 2003, 2004
- APRICOT, 2005
- Burton Group Catalyst, US and Europe Featured Speaker, 2004-2005-2008
- International Telecommunication Union, 2002
- Government of the United Kingdom, OFTEL ENUM, 2002
- Government of the Netherlands, ENUM Roundtable, 2002

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**PROFESSIONAL ASSOCIATIONS**

- Internet Engineering Task Force
  - Former Co-Chair ENUM, 2001-2011
  - Former Co-Chair DRINKS, 2008-2010
  - Voting Member of IETF NOMCOM Management Committee, 2003-2004
- CableLabs, Various Technical Working Groups, 2007-2012

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**EDUCATION**

- Washington University, St. Louis, Missouri.