Overview of NSTIC – Current Status of Development and Implementation

Jeremy Grant, National Institute of Standards and Technology (NIST) Peter Brown, Independent Consultant Thomas Sullivan, M.D., DrFirst.com, Inc. Anil John, General Service Administration (GSA)

Jeremy Grant is the Senior Executive Advisor for Identity Management at the National Institute of Standards and Technology (NIST). He joined NIST in February, 2011 to lead the establishment of a National Program Office to implement the National Strategy for Trusted Identities in Cyberspace (NSTIC).

Mr. Grant came to NIST with a diverse background and deep understanding of identity and cybersecurity issues, having served in a range of leadership positions spanning government and technology firms and the financial services sector. He began his career as a legislative aide in the U.S. Senate, where he drafted the legislation which laid the groundwork for the Department of Defense and GSA smart card and PKI efforts. Mr. Grant then joined MAXIMUS, where he led the division's Security and Identity Management practice, and played a major role in a number of major federal identity and security programs. He then spent three years with Washington Research Group as the firm's identity and cybersecurity market analyst. Most recently, Grant served as Chief Development Officer for ASI Government.

Mr. Grant is a former co-chair of the Identity Management Committee at TechAmerica. He is a graduate of the University of Michigan.

Peter Brown is a tenured official of the European Parliament, on unpaid leave of absence and currently based in Los Angeles where he is working as an independent consultant advising Fortune 100 companies and many national governments and international organisations on technology strategy and governance.

Peter's subject matter expertise includes EU policy-making; corporate governance (and in particular the governance of technology); philosophy, semantics, semiotics and interaction design; data protection, identity management and trust; Service-Oriented Architecture (SOA); Cloud Computing; Smart Grid. He is interested in the use of information technology standards and their relationship with public policy, innovation and governance.

Mr. Brown is a founding member of the Identity Ecosystem Steering Group (IDESG), a private sector-led multi-stakeholder group set-up to help deliver the White House's

"National Strategy for Trusted Identities in Cyberspace", approved by President Obama in Spring 2011. Peter currently serves as Chair of IDESG's Management Council. Brown is also a past Chairman and Secretary of the Board of OASIS - the global industry consortium promoting open standards for the information society.

Mr. Brown's professional career since 1984 has been working in the European public service - for the Council of Europe until 1989; and then for the European Parliament, where his work over the years has covered many domains of the organization's work, from political adviser working with a range of world leaders through to developing organization-wide information and technology governance and policy advisor to the Parliament's Secretary General.

Mr. Brown is an active member of OASIS and co-editor of the SOA Reference Model (SOA-RM) and Reference Architecture Foundation (SOA-RAF) and, more recently, the Transformational Government Framework (TGF) and Privacy Management Reference Model (PMRM). He is also an invited expert on several ISO/IEC JTC 1 working groups, notably on Governance of IT and on SOA.

Before taking leave of absence from the Parliament and founding a software start-up in 2007, Peter also worked for the Austrian Federal Chancellor's eGovernment Unit, where he helped coordinate and promote work on pan-European eGovernment services, electronic identity management and EU "Information Society" policies.

Mr. Brown is a published author and regular keynote speaker and contributor to conferences throughout Europe and North America and has also been involved in capacity-building projects for African parliaments through UNDESA in Nairobi.

Dr. Thomas Sullivan is a board-certified specialist in cardiology and internal medicine with over 40 years of clinical practice. He currently works for DrFirst.com, Inc. and sees patients part time in Massachusetts. Dr. Sullivan's expertise in the application of information technology to health care has helped to create an international standard (ASTM) for the exchange of medical record information called the Continuity of Care Record (CCR). With AMA, he was founding chair of their e-Medicine Advisory Committee, worked with the Physician Consortium for Performance Improvement, represented the AMA and helped create the Physician EHR Coalition and is past chair of the AMA Council on Medical Service. Dr. Sullivan is the physician author of the TEPR Clinical Documentation Challenge. He received the Massachusetts Health Data Consortium's annual "Investing in Information" award and the Essex County Medical Society "Lifetime Achievement Award" in 2010. He gave Congressional testimony on the impact and value of eRx, and since 2004 has been on the senior management team at DrFirst; a web based e-Prescribing Company that has been a national pioneer in DEA sanctioned ePrescibing of Controlled Substances. He is also helping the US Dept. of Commerce as the current Chair of the Healthcare Industry Committee that deals with emerging strategies for "Trusted Identities in Cyberspace.

Dr. Sullivan is a past president of the Massachusetts Medical Society, and was an associate medical director for Blue Cross Blue Shield of Massachusetts for 11 years He recently completed his 10 year membership on the Mass Medical Society Committee on Publications, overseeing the New England Journal of Medicine and other publications, and is active on the Committee on Information Technology. He is a recent past chair of the Confidentiality and Security Steering Committee at Partners Healthcare System in Boston and is a past chair of Tobacco Free Massachusetts.

Dr. Sullivan graduated from Holy Cross College with an AB in French, having spent a year at the Sorbonne. Pre-med studies were pursued at Harvard and Columbia, and he received his MD from Jefferson in Philadelphia. Dr. Sullivan pursued his Internal Medicine and Cardiology training at St Vincent's in New York and Tufts New England Medical Center in Boston. He also served in the US Navy as LCDR at the Naval Hospital in Boston/Chelsea during the Vietnam era.

Anil John joined the GSA Office of Government-wide Policy in 2012, from the private sector, with expertise in Identity Management, Digital Security, Service Orientation and Privacy. He currently manages the U.S. Federal Government's Trust Framework Solutions, which enables government agencies to deliver citizen facing services in a secure and privacy respecting manner while utilizing private sector credential and identity providers.

As part of the leadership team for the Government-wide Federal Identity, Credential and Access Management (FICAM) Program, he is implementing the Federal ICAM mission to align federal agencies around common identity and access management practices, to collaborate with government and private sector identity management activities to leverage best practices to ensure interoperability and, to enable trust in online transactions that cross organizational boundaries through the application of common policies and approaches.

Panel 1: NSTIC Ecosystem and Identity Management Standards

Eve Maler, Forrester Research Nat Sakimura, OpenID Foundation John Bradley, Ping Identity George Fletcher, AOL Inc.

Nat Sakimura has been working on digital identity and privacy over a decade. His main theme consistently has been to empower the people with the digital identity so that they can control their cyber life more effectively. To this end, he has been active in standardization spaces such as OpenID Foundation, IETF, ISO, Kantara Initiative, etc. He is a co-author of OpenID Connect specifications, JSON Web Token, and JSON Web Signature and is a contributor to IETF OAuth 2.0 and JSON Web Encryption. He is a founding board member of Kantara Initiative and has been serving as the chairman of the OpenID Foundation since 2011. **John Bradley** is Senior Architect in the CIO's Office at Ping Identity. Mr Bradley advises government agencies and commercial organizations on the policy and technical requirements of Identity Management, Federated Identity, PKI and smart card solutions. He is Chair of the Federation Interoperability Workgroup and member of the Leadership council at Kantara. He is treasurer of the openID Foundation, on the advisory board for OIX and an active contributor to SAML and other specifications at OASIS. He is one of the leaders of OSIS, and the Kantara Interoperability Review Board, a forum that vendors use for industry interoperability testing. He is a contributor to the OAuth 2, and co-author of JOSE and JWT specifications at the IETF. He is one of the principal authors of openID Connect.

George Fletcher Currently the Chief Architect for Consumer Identity Services at AOL Inc. and Community Board member of the OpenID Foundation, George Fletcher is deeply engaged in a number of identity standards efforts including OpenID Connect, OAuth 2, and User Managed Access (Kantara Initiative). His past work includes contributions to OpenID 2, OAuth, Security Assertion Markup Language (SAML), XRI OASIS TC and the Liberty Alliange Identity Web Services Framework.

Panel 2: NSTIC Pilots – Implementation Experiences and Lessons Learned

Cathy Tilton, HealthVault Pilot Michael Farnsworth, PMP, Binary Structures Corporation Douglas Glair, Digital Identity Services

Cathy Tilton is the Daon's project manager for their NSTIC pilot. Daon is a leader in government and commercial identity assurance products, best known for their work in large national ID and border management programs worldwide. Mrs. Tilton is the VP of Standards and Emerging Technologies and has over 30 years of systems engineering and project management experience, including over 20 years in the biometrics and identity management space. She is also a leader in IT standards development, actively participating in ISO, ANSI, INCITS, and OASIS. She currently chairs the Standards Coordination Committee of the Identity Ecosystem Steering Group (IDESG).

Michael Farnsworth has nearly 20 years of IT experience, and has served in many roles delivering multi-million dollar, leading-edge programs within the government, defense and healthcare IT sectors.

He began his IT career in the defense industry and prior to beginning state service, served as a program manager for the Mobilization, Education, Training, and Security Division for the 67th Combat Support Hospital in Wurzburg, Germany. As a state employee, Farnsworth successfully delivered many statewide programs for the Virginia DMV over a 15 year period related to enterprise architecture, security, identity, and online services. Presently Mr. Farnsworth is the Vice President and Chief Technology Officer for Binary Structures Corporation and serves as the program manager and technical lead for the Cross Sector Digital Identity Initiative.

He is a member of many professional organizations, maintains numerous IT certifications, and is considered a thought leader in the identity management and large scale system implementation arenas.

Douglas Glair is the Manager, Digital Identity Services in the Secure Digital Solutions organization. In this role he manages the design, development, implementation, and execution of the U.S. Postal Services' Digital Identity Services. The Federal Cloud Credential Exchange is one of the first products the Secure Digital Solutions organization is bringing to market in this space along with enhancing the USPS.com credentials to verified digital identities.

Panel 3: Healthcare Perspectives on NSTIC and Management Standards

Lisa Gallagher, Healthcare Information and Management Systems Society (HIMSS) Kevin Isbell, Kaiser Permanente/Care Connectivity Consortium Tim McKay, Ph.D., CISSP, Kaiser Permanente/ Care Connectivity Consortium Mike Davis, Veteran Administration Arien Malec, CommonWell

Kevin Isbell is a Senior Director for Health Information Exchange with Kaiser Permanente. In this role, he is responsible for technical and operational initiatives for Kaiser Permanente's Health Information Exchange (HIE) efforts between Kaiser Permanente regions and with external health care exchange partners. He is also the current Program Manager for the Care Connectivity Consortium (CCC). The CCC is a collaborative, whose focus is to promote health information exchange on a national scale, is comprised of Mayo Clinic, Intermountain Healthcare, Geisinger Health System, OCHIN and Kaiser Permanente.

Kevin joined Kaiser Permanente in 2002. Before Kaiser Permanente he worked as a management consultant in the health care industry.

Dr. Tim McKay is a Principal Solutions Consultant with Kaiser Permanente's Digital Technologies and Operations group. In a prior role as Kaiser Permanente's Director of Digital Integration, he was responsible for determining how the online consumer identities for kp.org and its related mobile properties—actively used by over 4 million people with secure accounts—are established, used and maintained. His current work is focused on the development of products to bridge digital and physical identity credentials. Dr. McKay's practice in identity management has been strongly informed by his background as a pediatric clinical psychologist, an applied researcher in population health management, and a medical operations manager. He is a frequent speaker on topics related to usable online consumer security, and is a principal contributor to HL7 standards for Personal Health Records systems.

Arien Malec is Vice President, Strategy for RelayHealth Clinical, a cloud-based HIE and patient engagement company. He co-conceived, with David McCallie, many of the foundational ideas behind the CommonWell Health Alliance and, during his tenure at ONC, coordinated the Direct Project and started up the Standards and Interoperability Framework as S&I Coordinator. He is a member of the HIT Standards Committee.