

**NIST ITL Participation in Voluntary Consensus Standards Organizations – Technical Groups
September 10, 2019**

Abbreviated Name of Activity	Full Name of Activity	Participant Name(s)	Position (other than member/ participant)	Division #
3GPP SA WG 3	3rd Generation Partnership Project (3GPP) 3rd Generation Mobile System Services and System Aspects Working Group 3, Security	J. Cichonski		777
AAMI-UL Joint Committee 2800	Association for the Advancement of Medical Instrumentation - Underwriters Laboratory	J. Garguilo		775
ASC Z1	Accredited Standards Committee Z1 Quality, Environment, Dependability, and Statistics Subcommittee on Statistics	N. F. Zhang		776
ASME PTC 19.1	American Society of Mechanical Engineers PTC 19.1, Measurement Uncertainty	H.K. Iyer		776
ASTM D02	ASTM Committee D02 on Petroleum Products, Liquid Fuels, and Lubricants	W. Guthrie		776
ASTM E-11	ASTM International Committee E11, Quality and Statistics	C.M. Wang		776
ASTM E30	ASTM International Forensic Sciences	D. White B. Guttman		775 775
Bluetooth Special Interest Group (SIG)	Bluetooth Security Expert Group (BT-SEG)	L. Chen		773

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ETSI QKD ISG	European Telecommunication Standards Institute Quantum Key Distribution Industry Specification Group	A. Mink		771
FIDO Alliance	The FIDO (Fast IDentity Online) Alliance, Biometric Assurance Sub-Group (under the Certification WG), Certification WG, Identity Assurance WG, Government Deployment WG and Security and Privacy WG	E. Tabassi D. Temoshok N. Lefkovitz A. Regenscheid K. Mehta		774 777 777 773 773
FIDO Alliance	The FIDO Alliance Privacy WG	N. Lefkovitz		777
FIRST	FIRST (Forum of Incident Response and Security Teams) Common Vulnerability Scoring System SIG (CVSS-SIG) and Vulnerability Reporting and Data eXchange SIG (VRDX-SIG)	H. Booth D. Waltermire		773 773
HIMSS/IHE	Healthcare Information and Management System Society, Integrating the Healthcare Environment	W. Majurski J. Garguilo		775 775
HL7 DEV	Healthcare Devices WG	J. Garguilo	<i>Co-Chair</i>	775
HL7 EHR	Health Level 7 Electronic Health Records	W. Chang		774
HL7 FHIR	Health Level 7 Fast Healthcare Interoperability Resources	B. Majurski R. Snelick		775 775
HL7 Implementation & Conformance TC	Health Level 7 Conformance SIG	R. Snelick J. Garguilo S. Martinez	<i>Co-Chair</i>	775 775 775

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HL7 Management Group	Health Level 7 Management Group Member	R. Snelick	<i>Board Member</i>	775
HL7 O&O	Health Level 7 Orders and Observations SIG	R. Snelick S. Taylor		775
HL7 VOC	Health Level 7 Vocabulary SIG	R. Snelick		775
IEC TC 25/JWG 2	Quantities and Units Joint Working Group 2 Revision and amendment of IEC-related parts of ISO/IEC 80000 series linked to ISO/TC 12	D. Flater		775
IEC TC 25/MT 8	Quantities and Units Maintenance Team 8 Revision of IEC 60375, IEC 60027-2,-4,-6 and -7, and IEC 62428	D. Flater		775
IEEE 11073	The Institute of Electrical and Electronics Engineers 11073, Medical Device Communications	J. Garguilo	<i>Secretary</i>	775
IEEE 802 Executive Committee	IEEE 802 EC Privacy Recommendation Study Group	L. Chen		773
IEEE 802. 11	The Institute of Electrical and Electronics Engineers, 802.11, Wireless Local Area Network (WLAN), Task Group S (Mesh Networking)	L. Chen		773
IEEE 802.15	Working Group for Wireless Specialty Networks	K. Sayrafian		771

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IEEE 802.21	The Institute of Electrical and Electronics Engineers 802.21, Working Group on Media Independent Handovers	L. Chen		773
IEEE P1363.3	The Institute of Electrical and Electronics Engineers P1363.3, Identity-Based Public Key Cryptography using Pairings	D. Moody		773
IEEE P2301	The Institute of Electrical and Electronics Engineers P2301, Cloud Profiles	J. Messina E. Simmon F. de Vault R. Bohn		775 775 775 772
IEEE P2302	The Institute of Electrical and Electronics Engineers P2302, Standard for Intercloud Interoperability and Federation (SIIF)	F. de Vault J. Messina R. Bohn	<i>Chair</i>	775 775 772
IEEE P2731	Standard for a Unified Terminology for Brain-Computer Interfaces	K. Sayrafian		771
IEEE P2733	Standard for Clinical Internet of Things (IoT) Data and Device Interoperability with TIPPSS - Trust, Identity, Privacy, Protection, Safety, Security	K. Sayrafian		771
IEEE WGMBQC: FGPMQDC	IEEE Working Group on Metrics and Benchmarks for Quantum Computing: Focus Group on Performance Metrics for Digital Quantum Computing	S. Glancy	<i>Steering Committee Member</i>	771

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IETF-ART	Internet Engineering Task Force (IETF) Applications and Real Time Area (Domain-based Message Authentication, Reporting & Conformance)	S. Rose S. Banghart		772 773
IETF-DNSEXT	Internet Engineering Task Force (IETF) Domain Name System (DNS) Extensions	S. Rose		772
IETF-INT	Internet Engineering Task Force (IETF) Internet Area (IPv6 Maintenance, Extensions for Scalable DNS Service Discovery, IPv6 over Resource-Constrained Nodes, Locator / ID Separation Protocol)	D. Montgomery S. Rose S. Frankel		772 772 773
IETF-OPS	Internet Engineering Task Force (IETF) Operations and Management Area (Global Routing Operations, IPv6 Operations, DNS Ops, Operational Security Capabilities for IP Network Infrastructure, NETCONF, NETMOD)	D. Montgomery S. Rose K. Sriram D. Cooper D. Waltermire		772 772 772 773 773
IETF-RTG	Internet Engineering Task Force (IETF) Routing Area (MPLS, Intra/Inter Domain Routing, Secure Inter-Domain Routing, MANETS, Network Virtualization Overlays, Interface to Routing System)	D. Montgomery K. Sriram O. Borchert		772 772 772

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IETF-SEC	Internet Engineering Task Force (IETF) Security Area (Internet Protocol Security, S/MIME, PKI Using X.509, Transport Layer Security (TLS), DNS-based Authentication of Named Entities, EMU, HOKEY, SACM, MILE) SUIT: SW Updates for IoT	D. Montgomery S. Rose D. Waltermire S. Frankel Q. Dang D. Cooper R. Perlner S. Banghart	<i>WG Secretary for MILE</i> <i>WG Chair for SUIT</i>	772 772 773 773 773 773 773 773
IETF-SECDIR	Internet Engineering Task Force (IETF) Security Area Directorate	D. Waltermire		773
IETF-SIDR	Internet Engineering Task Force (IETF) Secure Inter-Domain Routing	K. Sriram D. Cooper D. Montgomery		772 773 772
IETF-TP	Internet Engineering Task Force (IETF) Transport Area (Differentiated Services, Performance Metrics, IP Telephony, Session Initiation Protocol)	D. Montgomery		772
IHE – PCD PC	Integrating the Healthcare Enterprise (IHE) Patient Care Devices Planning Committee	J. Garguilo		775
IHE – PCD TC	Integrating the Healthcare Enterprise (IHE) Patient Care Devices Technical Committee	J. Garguilo	<i>Co-Chair</i>	775
IHE-ITI PC	Integrating the Healthcare Enterprise (IHE) IT Infrastructure Planning Committee	W. Majurski		775
IHE-ITI TC	Integrating the Healthcare Enterprise (IHE) IT Infrastructure Technical Committee	W. Majurski R. Snelick		775 775

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IHE-TTC	Integrating the Healthcare Enterprise (IHE) Testing and Tools Committee	W. Majurski R. Snelick J. Garguilo		775 775 775
INCITS Ad Hoc on Data Usage	INCITS Ad Hoc on Data Usage InterNational Committee for Information Technology Standards (INCITS) (US TAG to ISO/IEC JTC 1/AG 9)	W. Chang A. Sokol M. Hogan		774 773 770
INCITS Ad Hoc on Quantum Computing	INCITS Ad Hoc on Quantum Computing InterNational Committee for Information Technology Standards (INCITS) (US TAG to ISO/IEC JTC 1/AG 4)	A. Jillavenkatesa		601
INCITS Ad Hoc on Trustworthiness	INCITS Ad Hoc on Trustworthiness InterNational Committee for Information Technology Standards (INCITS) (US TAG to ISO/IEC JTC 1/AG 7)	W. Chang M. Garris M. Hogan A. Jillavenkatesa K. Mangold A. Sokol E. Tabassi		774 774 770 601 774 773 770
INCITS AI	InterNational Committee for Information Technology Standards (INCITS) Technical Committee AI, Artificial Intelligence (US TAG to ISO/IEC JTC 1/SC 42)	W. Chang L. Carnahan M. Garris M. Hogan A. Jillavenkatesa K. Mangold L. Nadel A. Sokol E. Tabassi		774 601 774 770 601 774 774 773 774

Abbreviated Name of Activity	Full Name of Activity	Participant Name(s)	Position (other than member/ participant)	Division #
INCITS Big Data	InterNational Committee for Information Technology Standards (INCITS) INCITS AI Task Group Big Data (US TAG to ISO/IEC JTC 1/SC 42 WG 2)	W. Chang R. Chandramouli M. Hogan	<i>Convener, JTC 1/SC 42 WG 2</i>	774 773 770
INCITS Blockchain and EDLT	InterNational Committee for Information Technology Standards (INCITS) Technical Committee Blockchain and Electronic Distributed Ledger Technology (DLT) (US TAG to ISO TC 307)	S. Francomacaro M. Davidson M. Hogan K. Mangold D. Yaga		773 773 770 774 773
INCITS CLOUD38	InterNational Committee for Information Technology Standards (INCITS) Technical Committee CLOUD38 Cloud Computing and Distributed Platforms (US TAG to ISO/IEC JTC 1/SC 38)	J. Messina R. Bohn R. Chandramouli M. Hogan T. Grance M. Badger P. Mell W. Barker E. Simmon A. Sokol	<i>Vice Chair</i>	775 772 773 770 773 773 773 770 775 773

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INCITS IC-Cards	InterNational Committee for Information Technology Standards (INCITS) Technical Committee ID Cards - Cards and Security Devices for Personal Identification Task Group IC-Cards - Circuits, Interfaces and Protocols for Secure Devices (US TAG to ISO/IEC JTC 1/SC 17 WG 4) (US TAG to ISO/IEC JTC 1 SC 17 WG 8) (US TAG to ISO/IEC JTC 1/SC 17 WG 11)	S. Francomacaro K. Mehta H. Ferraiolo W. Barker M. Hogan		773 773 773 770 770
INCITS ID-Cards	InterNational Committee for Information Technology Standards (INCITS) Technical Committee ID Cards - Cards and Security Devices for Personal Identification (US TAG to ISO/IEC JTC 1/SC 17)	S. Francomacaro K. Mehta H. Ferraiolo W. Barker A. Sokol M. Hogan		773 773 773 770 773 770
INCITS IoT10	InterNational Committee for Information Technology Standards (INCITS) Technical Committee IoT10, Internet of Things (US TAG to ISO/IEC JTC 1/SC 41)	E. Simmon M. Hogan N. Moayeri W. Chang		775 770 772 774
INCITS L3.1	InterNational Committee for Information Technology Standards (INCITS) Task Group L3.1, Coding of audio, picture, multimedia and hypermedia information (US TAG to ISO/IEC JTC 1/SC 29 WG 11)	W. Chang	<i>Co-Chair, SC 29 WG 11 on MPEG</i>	774

Abbreviated Name of Activity	Full Name of Activity	Participant Name(s)	Position (other than member/ participant)	Division #
INCITS M1	InterNational Committee for Information Technology Standards (INCITS) Technical Committee M1, Biometrics (US TAG to ISO/IEC JTC 1/SC 37)	E. Tabassi D. Stephens M. Hogan P. Grother Y. Choong K. Mangold L. Nadel D. Yaga	<i>SC 37 Chair</i>	774 774 770 774 774 774 774 773
INCITS M1.5	InterNational Committee for Information Technology Standards (INCITS) Technical Committee M1, Biometrics Task Group M1.5, Biometric Performance Testing and Reporting (US TAG to ISO/IEC JTC 1/SC 37 WG 5)	P. Grother D. Stephens E. Tabassi M. Hogan L. Nadel Y. Choong D. Yaga	<i>Project Editor</i>	774 774 774 770 774 774 773
INCITS M1.7	InterNational Committee for Information Technology Standards (INCITS) Technical Committee M1, Biometrics Task Group M1.7, Biometrics Formats, Interfaces, Profiles, and Societal (US TAG to ISO/IEC JTC 1/SC 37 WGs 2, 3,4, and 6)	E. Tabassi D. Stephens P. Grother M. Hogan K. Mangold L. Nadel D. Yaga	<i>Project Editor</i> <i>Project Editor</i>	774 774 774 770 774 774 773
INCITS SSE	InterNational Committee for Information Technology Standards (INCITS) Technical Committee SSE, Software and System Engineering (US TAG to ISO/IEC JTC 1/SC 7)	M. Theofanos B. Stanton R. Ross D. Waltermire M. Hogan	<i>Convener, SC 7 WG 28</i> <i>Secretary, SC 7 WG 28</i>	641 774 773 773 770

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INCITS Steering Committee SC 32	InterNational Committee for Information Technology Standards (INCITS) INCITS Steering Committee SC 32	M. Hogan W. Chang		770 774
INCITS Steering Committee SC 42	InterNational Committee for Information Technology Standards (INCITS) INCITS Steering Committee SC 42	M. Hogan W. Chang M. Garris		770 774 774
IRTF-RRG	Internet Research Task Force (IRTF) Routing Research Group	K. Sriram		772
ISA99	International Society of Automation ISA99, Industrial Automation and Control Systems Security (publishes jointly with International Electrotechnical Commission (IEC) for the IEC 62443 series through IEC TC65 WG10)	S. Lightman K. Stouffer (EL)	<i>Voting member (through EL) Alternate</i>	773 735
ISO REMCO	International Organization for Standardization Committee on Reference Materials WG 1 for ISO Guide 35	N.F. Zhang		776
ISO SC 29	International Organization for Standardization Committee on Coding of audio, picture, multimedia and hypermedia information	W. Chang	<i>Liaison Officer from SC 42</i>	744
ITU-T SG 13 (US Department of State is the US Representative)	International Telecommunication Union Telecommunication Standardization Sector SG 13: Future networks including cloud computing, mobile and next-generation networks	J. Messina		775

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ITU-T SG 20 (US Department of State is the US Representative)	International Telecommunication Union Telecommunication Standardization Sector SG 20: Internet of Things (IoT) and Smart Cities	M. Hogan		770
JCGM-WG1 (BIPM)	Joint Committee for Guides in Metrology, Working Group 1	A. Possolo		776
JTC 1 AG 6	ISO/IEC JTC 1/Advisory Group 6 Autonomous and Data Rich Vehicles	S. Lightman M. Hogan		773 770
JTC 1 AG 8	ISO/IEC JTC 1/Advisory Group 8 Meta Reference Architecture and Reference Architecture for Systems Integration	W. Chang	<i>Liaison Officer from SC 42</i>	774
MISB	Motion Imagery Standards Board	W. Chang		774
MPEG-IF	MPEG Industry Forum	W. Chang		774
NASPO IDPV	North American Security Products Organization (NASPO) National Identity Proofing and Verification Committee	S. Lightman D. Temoshok Y. Obeng		773 770 683
NASPO US TAG to ISO TC 247/TC 246	North American Security Products Organization (NASPO) US TAG to ISO Technical Committee 247, Fraud Countermeasures and Controls, and ISO Technical Committee TC 246, Anti-counterfeiting tools	Y. Li-Baboud		775

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NCPDP WG 11	National Council for Prescription Drug Programs Working Group 11 - ePrescribing & Related Transactions	K. Mangold	<i>Convener</i>	774
NIST-ITL	ANSI Accredited Standards Developer NIST-ITL for Data Format for the Interchange of Fingerprint, Facial and Other Biometric Information	M. Garris D. Stephens C. Watson S. Orandi M. Hogan	<i>Administrator</i>	774 774 774 774 770
OASIS – CACAO	Collaborative Automated Course of Action Operations (CACAO) for Cyber Security	S. Banghart D. Waltermire		773 773
OASIS – CGMOPEN-MS	Organization for the Advancement of Structured Information Systems (OASIS) – CGMOPEN-MS	M. Brady		775
OASIS – CTA	Cyber Threat Intelligence (CTI)	S. Banghart		773
OASIS - Election	Organization for the Advancement of Structured Information Systems (OASIS) – Election	J. Wack		775
OASIS – Electronic Identity Credential Trust Elevation Methods TC	Organization for the Advancement of Structured Information Systems (OASIS) –Electronic Identity Credential Trust Elevation Methods Technical Committee	K. Mangold		774
OASIS – OpenC2	Open Command and Control	S. Banghart		773

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OASIS - TAB	Organization for the Advancement of Structured Information Systems (OASIS) – Technical Advisory Board	K. Mangold		774
OASIS BIOMETRICS TC	Organization for the Advancement of Structured Information Systems (OASIS) – Biometrics TC	K. Mangold		774
OMS	Open Math Society	B. Miller		771
RDA Big Data Analytics IG	Research Data Alliance – Big Data Analytics Interest Group	W. Chang		774
RDA Big Data Infrastructure WG	Research Data Alliance – Big Data Infrastructure Working Group	W. Chang		774
RDA Data Type Registry WG	Research Data Alliance – Data Type Registry Working Group	W. Chang		774
RDA Persistent Identifier Information Type WG	Research Data Alliance Persistent Identifier Information Type Working Group	W. Chang		774
SAE and ISO/TC 22 SC 32/WG 11 JWG	SAE International and International Organization for Standardization (ISO) Joint Working Group TC 22/SC 32/WG 11 Automotive security engineering	S. Lightman		773
SIM Technical Committee	Sistema Interamericano de Metrologia (“Interamerican Metrology System,” regional metrological organization), Working Group on Statistics and Uncertainty	A. Possolo	<i>Chair</i>	776

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SMPTE-W25	Society of Motion Picture and Television Engineers Metadata Description	W. Chang		774
TCG	Trusted Computing Group	L. Chen A. Roginsky A. Vassiley A. Regenscheid		773 773 773 773
TCG TNC WG	Trusted Computing Group Trusted Network Connect Work Group	D. Waltermire		773
W3C	Immersive Web Working Group	S. Ressler		771
W3C	Big Data Community Group	M. Brady P. Bajcsy		775 775
W3C-MathML	World Wide Web Consortium (W3C) MathML-Refresh Community Group	B. Miller		771
X9F	X9, Inc., Financial Industry Standards X9F, Data & Information Security (US TAG to ISO TC 68/SC 2)	L. Chen		773
X9F.1	X9, Inc., Financial Industry Standards X9F, Data & Information Security X9F.1, Cryptographic Tools	M. Dworkin E. Barker J. Kelsey L. Chen	<i>Editor</i>	773 773 773 773

**NIST ITL Participation in Voluntary Consensus Standards Organization – Management Groups
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INCITS EB	InterNational Committee for Information Technology Standards Executive Board (US TAG to ISO/IEC JTC 1)	M. Hogan W. Chang S. Francomacaro		770 774 773
INCITS PBC	INCITS Procedures Board Committee	M. Hogan S. Francomacaro		770 773
ISO TC 69	International Organization for Standardization Technical Committee 69, Statistical Methods	N.F. Zhang		776
ITU-T JCA IoT (US Department of State is the US Representative)	International Telecommunication Union – Telecommunication Standardization Sector Joint Coordination Activity on Internet of Things (IoT)	N. Moayeri		772
OASIS	Organization for the Advancement of Structured Information Systems	K. Mangold M. Brady		774 775
W3C	World Wide Web Consortium Advisory Committee	M. Brady		775