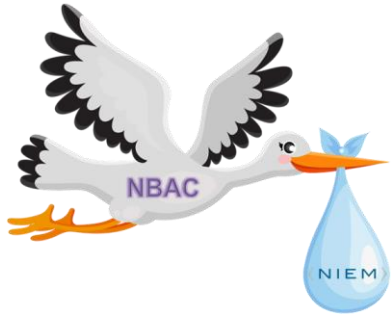
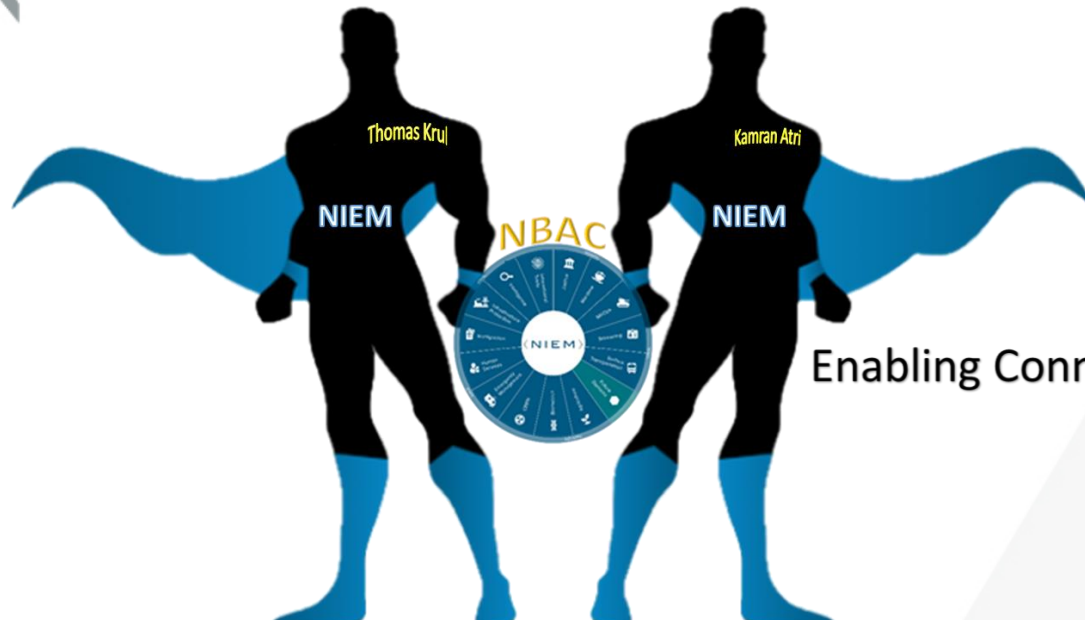


NIEM NBAC F2F 2021



Session I - NIEM Adoption

< NIEM >™



Enabling Connected ~~Future~~ Now

SESSION I – NIEM ADOPTION

NBAC ANNUAL MEETING - DAY 1			
NBAC Annual Meeting (Tuesday, 14 September 2021)			
AM Session			
Location: Virtual/MS - TEAMS			
Time (EDT)	Subject	Speaker(s)/ Facilitator(s)	Description
10-10:05	Introduction/Agenda	NBAC Co-Chairs (Mr. Kamran Atri & Mr. Thomas Krul)	<ul style="list-style-type: none"> Welcome Agenda
10:05-10:40	Keynote Speaker	Ms. Donna Roy (Strategic Advisor, National Security Sector, Greenhouse)	<ul style="list-style-type: none"> Data Sharing impact at the global level. What are some of the information sharing pitfalls?
10:40 -10:50	Session Introduction	Mr. Kamran Atri	NIEM Adoption
10:50 -11:00	Break		
11 -11:50	Session I - NIEM Adoption Guest Speaker	Mr. Kamran Atri Ms. Maria Cardiellos (IJIS, Executive Director, IJIS Institute)	<ul style="list-style-type: none"> What We Did Well! And Recommendations Justice information sharing has been established for many years now, what are the best practices or pitfalls you can share?
11:50 - 12	Q&A/Wrap-up/Actions Items	NBAC Co-Chairs (Mr. Kamran Atri & Mr. Thomas Krul)	<ul style="list-style-type: none"> Closing

HOUSEKEEPING:

Session Speakers

– Primary Facilitator

- Kamran Atri



– Primary Facilitator

- Thomas Krul



– PMO Managing Director

- Katherine Escobar



– Keynote Speaker

- Donna Roy



– Guest Speaker

- Maria Cardiellos



- ***MUTE** your mic when you're not talking*
- ***Identify yourself before you start to speak***
- ***Speak clearly***
- ***Disable “call waiting” feature***
(the clicking noise can be heard by all)

Please note: All 2021 sessions are audio recorded for NIEM training & communications purposes

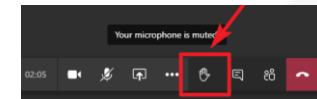
QUESTIONS & ANSWERS ARE ENCOURAGED!

To signal you want to contribute without interrupting the speaker

- Enter comments via **CHAT** window at any time

To signal a question or respond to a question

- Click on '**Raise your hand**' button on meeting toolbar



(Lower hand after you've talked by clicking hand button again)

All session briefings are available on **NIEM's GitHub** for download as they occur

<https://github.com/NIEM/NIEM-Annual-Meetings/tree/master/2021>

REMINDER:

- *Every NBAC member shares and is part of NIEM decision-making process.*
- *We will seek consensus for decisions arising from the NBAC F2F 2021.*
- *The TEAMS meeting (s) will be recorded, action items assigned, and decisions implemented.*
- *We plan to adhere to the topics and schedule as outlined in the Agenda.*
- *Don't be shy, speak up when you have something to say.*
- *Ask questions if you are unclear or unsure... share your views.*
- *Expand your professional network here with your fellow data standards gurus.*

NIEM BUSINESS ARCHITECTURE COMMITTEE (NBAC)

The mission of the NBAC:

- ✓ **Business Architecture:** The NBAC oversees and validates the construction, maintenance, and use of the business architecture framework for NIEM.
- ✓ **NIEM Core:** The NBAC provides management and oversight of the NIEM Core—the central part of the NIEM data model that's commonly understood across all domains.
- ✓ **Community:** The NBAC serves as the forum for the admission of new domains and interactions between domains, and coordinates action to maintain the NIEM community.
- ✓ **Forecasting:** Determine the need for new data model releases as necessary, such as to accommodate new domains content or to provide business requirements to the NTAC.
- ✓ Submit recommendations to the NIEM PMO and ESC concerning the admission of a new domain into the NIEM data model.



DONNA ROY



Donna recently joined **Guidehouse, Inc** as a **Strategic Advisor** in the National Security Segment.

She is a well-established management and technology executive, holding executive roles both in Federal government and Fortune 200 corporations for over 20 years.

Over her 35 plus years, she developed extensive experience in core management functions such as budget, contracting, human resource, technology, and administrative operations, and most recently provided oversight of these functions as the Chief Operating Officer of the Consumer Financial Protection Bureau (CFPB).

Prior to her role as the CFPB COO, she served as the Chief Information Officer, where she focused on the deployment of cloud-based technology services, with oversight for all technology investments in the \$1B total operating budget.

In the 13 years at DHS, she was responsible for helping the Homeland Security Community overcome information sharing challenges by leading efforts to increase adoption of the Homeland Security Information Network (HSIN) and the National Information Exchange Model (NIEM) Programs. She was focused on ensuring the customer experience was embedded in the planning and execution of all enterprise technology services and operational programs under her responsibility.

Donna led DHS's ICAM efforts which bolstered DHS's cyber security posture and trusted IT environment for 240,000 users, on all classification levels, with DHS-wide two-factor authentication. She worked across DHS to establish the Chief Data Officer function as well as led the DHS Enterprise Cloud Strategy for optimizing the enterprise computing services. Also, while at DHS, she spearheaded the DHS Data Framework, an approach aimed at closing mission critical data gaps and maturing the enterprise data access framework for securing and safeguarding sensitive and classified data.

She has been focused on leveraging the power of data throughout her career, most recently using modern approaches (cloud, agile, dev/ops) to drive positive change across Federal, State, local and international partners.

Donna is a proud New Englander and former United States Marine.

2020/2021 NIEM ADOPTION AT A GLANCE:

2020/2021 < NIEM >

Current Release | Technical | Contact | Tools Catalog

Getting Started | About NIEM | Strategic Initiatives | Communities | Training

Best of NIEM Nominations

We are asking the community to identify and recognize teams that have implemented NIEM in especially interesting, innovative or impactful ways. Nominations due by Friday, August 6th.

[Submit Nomination](#)

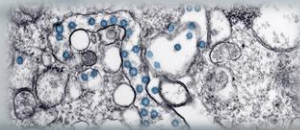
BEST OF NIEM 2020

- ✓ Adoption in Canada in multiple fronts
- ✓ Coordinated with Census Bureau and OMB
- ✓ Planned and executed NIEM Release 5.0
- ✓ Tiger Teams (SLTT, Intern, ETTT)
- ✓ Advanced Distributed Learning (ADL) Initiative, Office of the Secretary of Defense
- ✓ US Bureau of Reclamation (USBR) Dept of Interior
- ✓ Interaction with IRS on NIEM adoption
- ✓ Controlled Unclassified Information (CUI) NARA
- ✓ National Oceanic and Atmospheric Administration (NOAA)

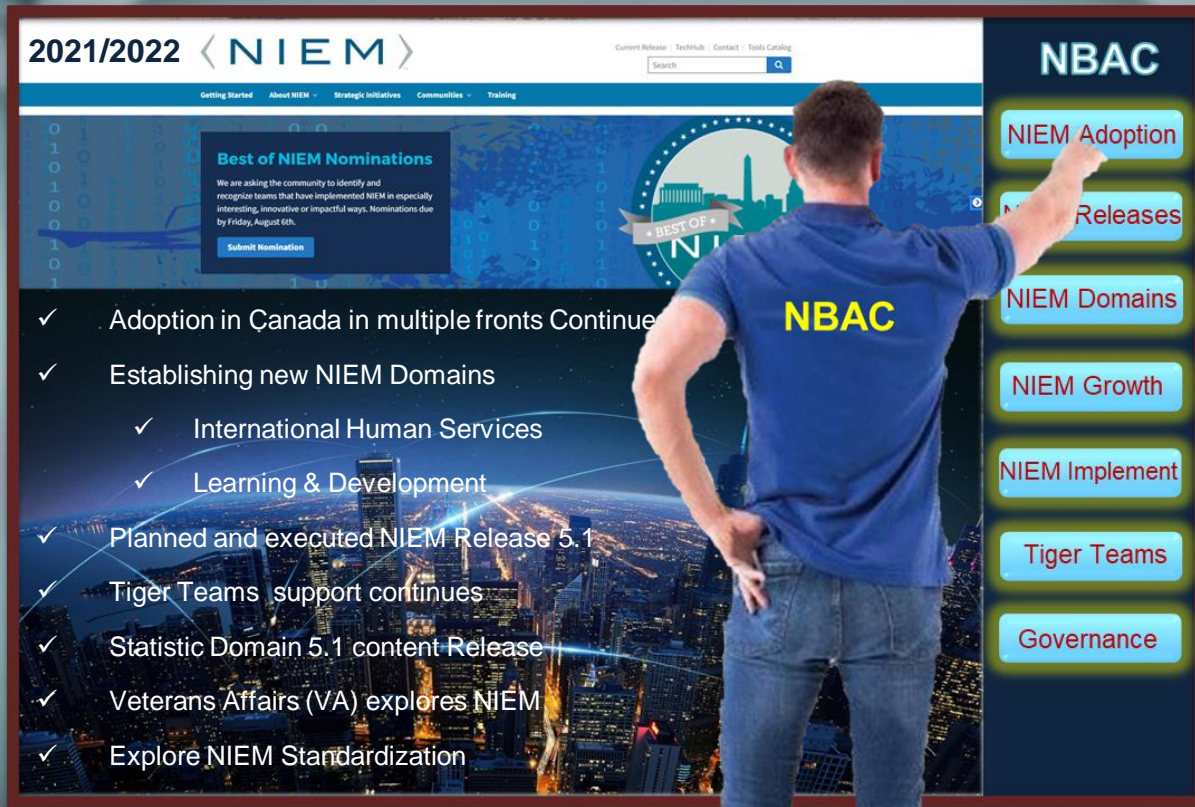
NBAC

- NIEM Adoption
- NIEM Releases
- NIEM Domains
- NIEM Growth
- NIEM Implement
- Tiger Teams
- Governance

Impacted by COVID-19



2021/2022 NIEM ADOPTION AT A GLANCE:



2021/2022 < NIEM >

Current Release | TechHub | Contact | Tools Catalog

Getting Started | About NIEM | Strategic Initiatives | Communities | Training

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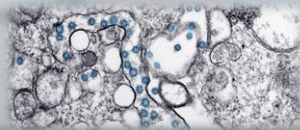
[Submit Nomination](#)

- ✓ Adoption in Canada in multiple fronts Continue
- ✓ Establishing new NIEM Domains
 - ✓ International Human Services
 - ✓ Learning & Development
- ✓ Planned and executed NIEM Release 5.1
- ✓ Tiger Teams support continues
- ✓ Statistic Domain 5.1 content Release
- ✓ Veterans Affairs (VA) explores NIEM
- ✓ Explore NIEM Standardization

NBAC

- NIEM Adoption
- NIEM Releases
- NIEM Domains
- NIEM Growth
- NIEM Implement
- Tiger Teams
- Governance

Impacted by COVID-19



MARIA CARDIELLOS



Maria serves as the Executive Director of the IJIS Institute. In this capacity, she oversees the operations of the nonprofit organization. She has nearly forth (40) years' experience in public safety and justice program development, implementation and evaluation, both nationally and internationally.

Prior to this role, she served as the IJIS Director of Operations and Project Director supporting several key initiatives including the NJ-Information Sharing Environment (NJ-ISE); the National Crime Statistics Exchange (NCS-X) enabling the implementation of NIBRS nationwide; and many others.

She previously served as the Chief of Staff for the Nationwide Suspicious Activity Reporting (SAR) Initiative (NSI) Program Management Office (PMO). She previously served as Deputy Executive Director of the National Information Exchange Model (NIEM) Program for the then joint Department of Justice (DOJ)/Department of Homeland Security (DHS) initiative. The program focused on identifying the real-world needs to share information in support of public safety, criminal justice and homeland defense communities. The NSI best exemplifies a real-world need to share critical information.

On the State level, she served as Chief Information Officer (CIO) for the New Jersey Department of Law and Public Safety (LPS) within the Office of the Attorney General (OAG). Formally, Ms. Cardiellos led cutting edge integration jobs for the public sector community including an Integrated Justice Project for the Province of Ontario, Canada, as well as the first privatized/functionally outsourced emergency communication operation in North America for Northampton County, Pennsylvania.



An Introduction to the IJIS Institute



Discussion Threads...


- IJIS History
- Understanding the Value to IJIS
- IJIS Differentiators
- Aligning Paths Between IJIS and NIEM/NBAC
- Input is Always Welcome





The IJIS Institute is a *nonprofit alliance* working to promote and enable technology in the public sector and expand the use of *information sharing* to maximize safety, efficiency, and productivity.





IJIS Institute advocates for *policies, processes, and information sharing standards* that impact our safety and security, builds knowledge on behalf of our stakeholder groups, and connects the organizations and leaders within the communities of interest.



IJS Board of Directors 2021/2022

Executive Committee:

Roger Mann, **Chair** (GlobalFlyte, Inc.)

Tanya Stauffer, **Secretary** (Analysts Int'l)

Joe Wheeler, **Vice Chair** (Mission Critical Partners)

Ryan Burchnell, **Director-at-Large** (ATT)

Juan Colon, **Treasurer** (SAS)

- ☐ Dan Twohig (Motorola Solutions)
- ☐ Stephen Morris (IBM Global Services)
- ☐ Rick Zak (Microsoft)
- ☐ Mike Lesko (NEC America)



IJIS Focus Areas

- IJIS Members and Associates work within and across multiple public sector domains:
 - ❑ Criminal Justice (Law Enforcement, Corrections, Courts)
 - ❑ Public Safety (Fire, Emergency Medical Services, Emergency Management)
 - ❑ Homeland Security
 - ❑ Health and Human Services
 - ❑ Education (School Safety)
 - ❑ Transportation



IJIS Member Initiatives

- Advisory Committees
- Task Forces and Working Groups
 - ☐ Law Enforcement Imaging Technology
 - ☐ Blockchain
 - ☐ RMS Task Force
 - ☐ CAD/RMS Interoperability
 - ☐ Background Checks
 - ☐ Criminal Justice Data Modeling Working (Person-centric)
 - ☐ Security, CJIS Compliance, and Transition to Cloud Solutions
- Technology Leadership Forums
- Partnerships with Practitioner Organizations, Standards Development Organizations, Engineering and Research Organizations, and Academia

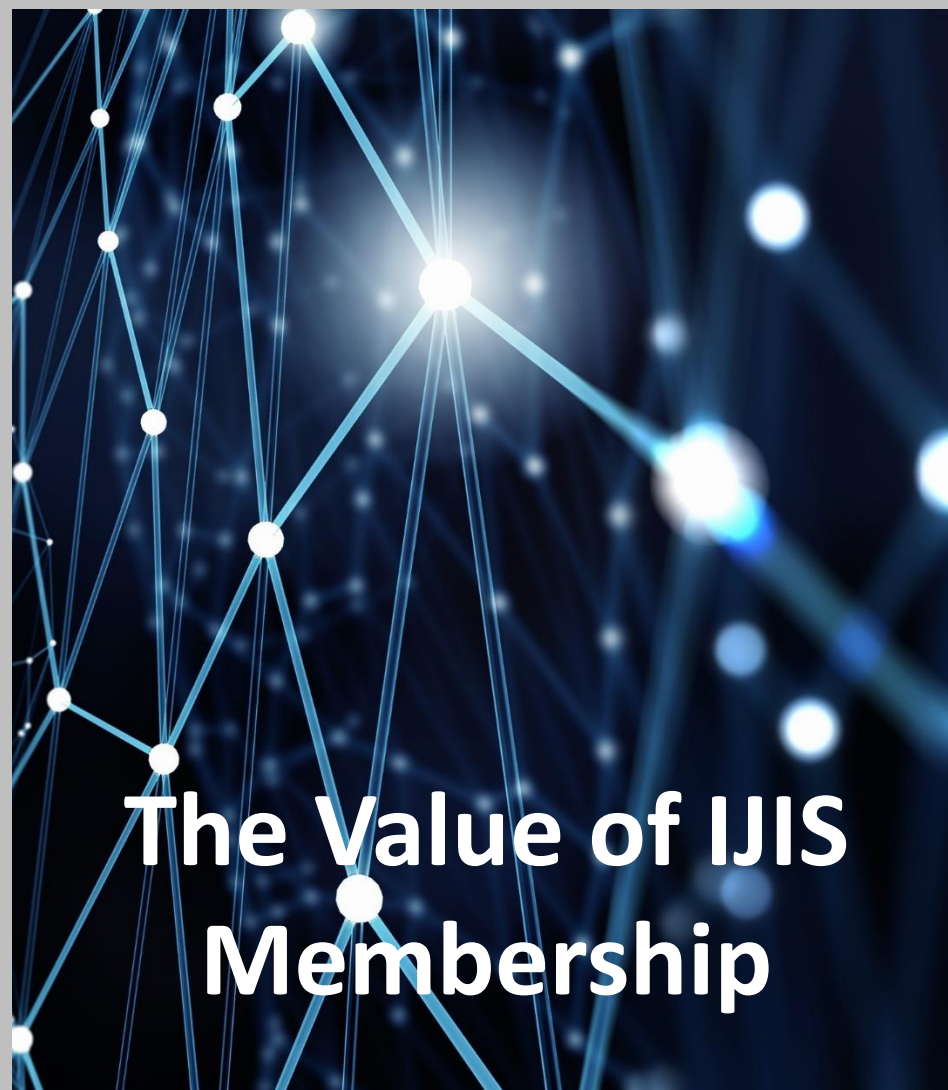


National Projects

- Incident-Based Reporting (FBI CJIS, BJS NCS-X)
- Information Sharing Strategy (DOJ – CIO Office)
- Text-to-911 Language Translation and Interpretation (DHS S&T)
- Incident Management Information Sharing – IoT – (DHS S&T)
- RMS Functional Specifications
- Unified-CAD Functional Specifications
- Gang Intelligence Information Sharing
- Nationwide Suspicious Activity Reporting (SAR) Initiative (NSI)
- FBI National Data Exchange (N-DEx)
- Corrections Information Sharing (Reentry, PREA, OMS Functional Specifications)
- Statewide Automated Victim Information and Notification (SAVIN)
- Prescription Drug Monitoring Programs (PDMP)
- Information Sharing and Safeguarding Testing & Certification through Springboard



- ❑ Provide a *neutral venue* for *government and industry* executives and practitioners to discuss new technology innovation, concerns, and challenges.
- ❑ *Increase awareness and understanding* on the latest technology trends and their mission impact.
- ❑ Engage in *proactive dialogue* on key considerations before investing in technology, respectful of any prescribed procurement guidelines.
- ❑ Develop and implement *model policy and procurement guidance*.
- ❑ Access to *technology thought leaders* that serve different mission communities.

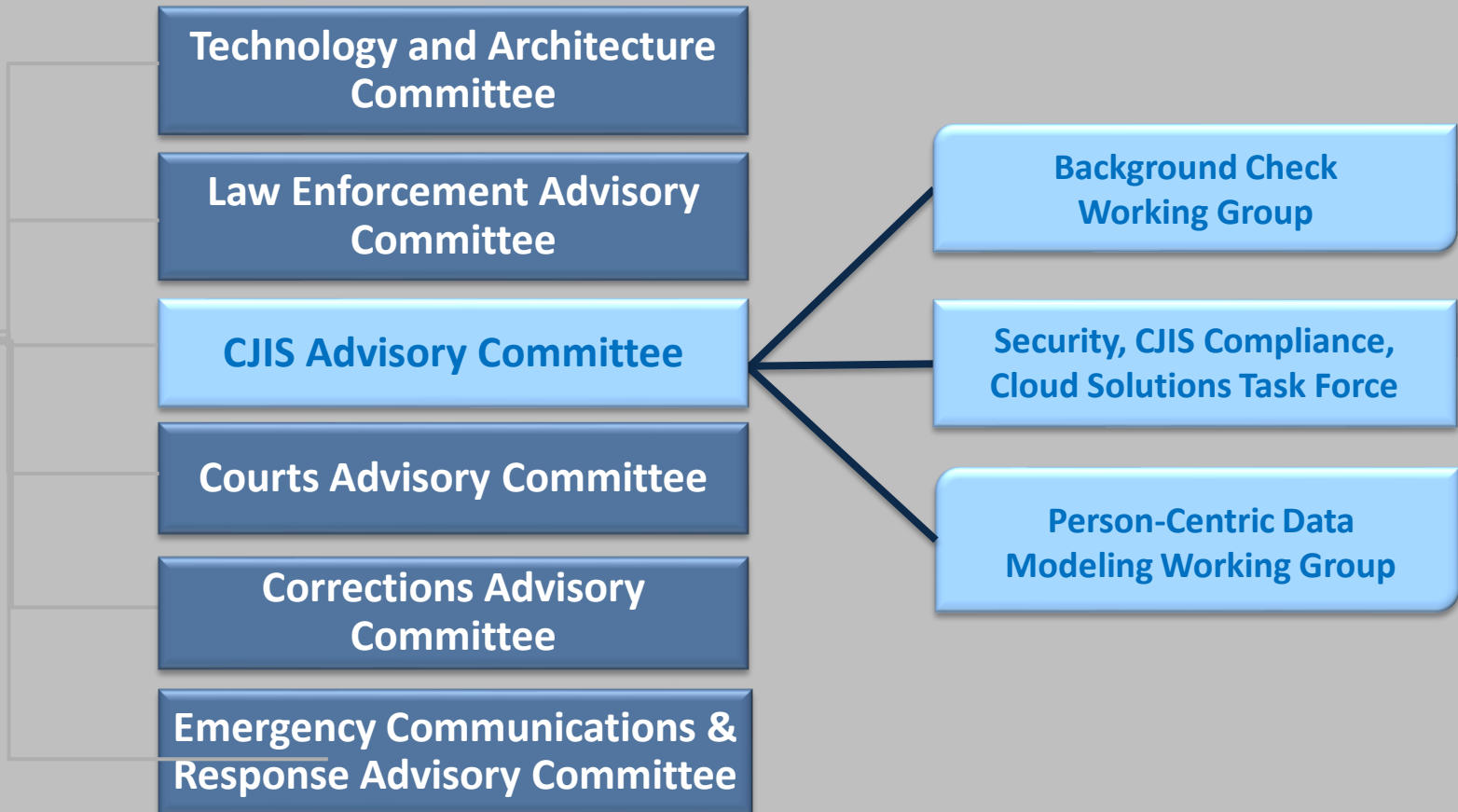


The Value of IJIS Membership

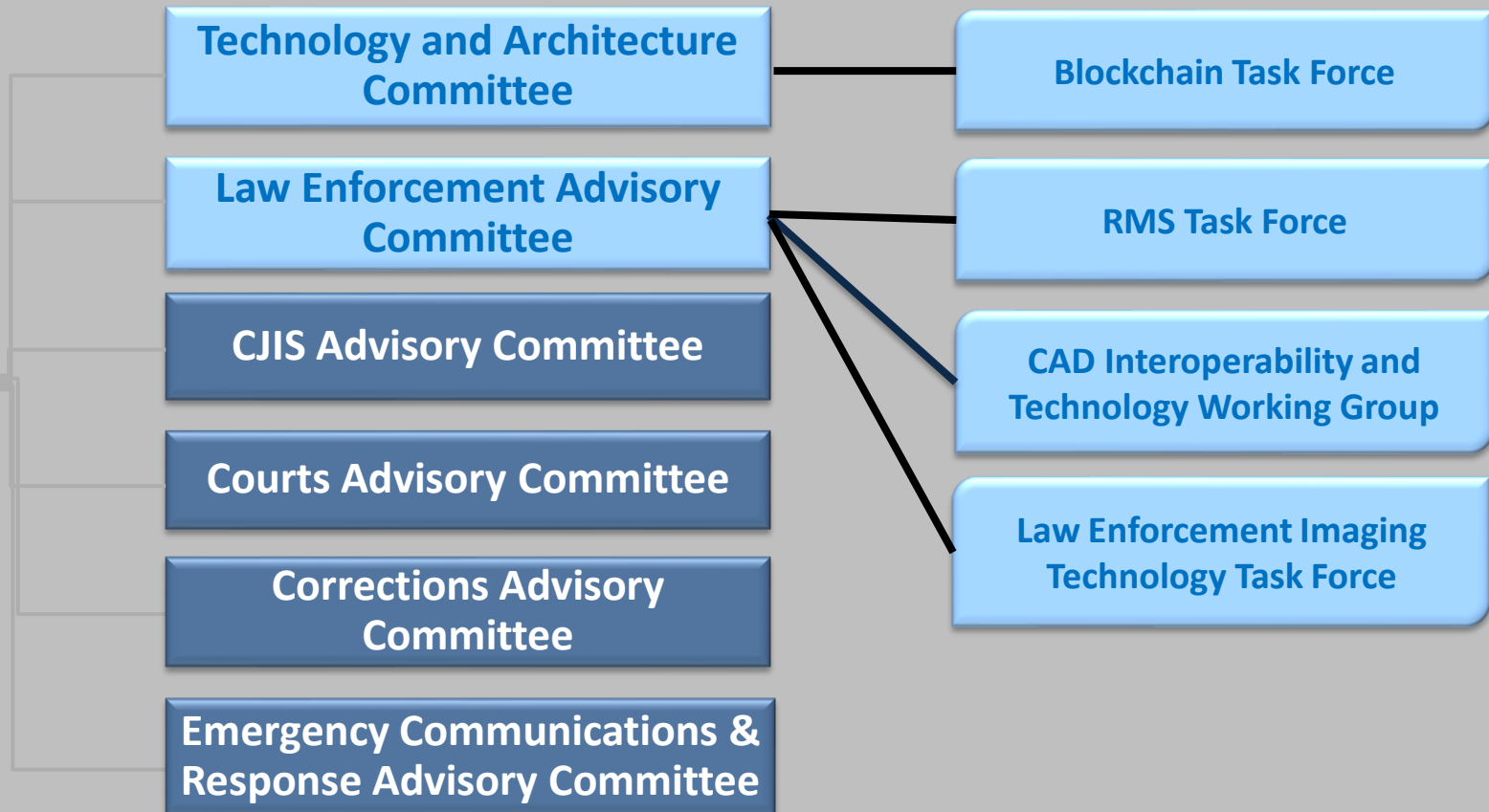
IJIS Advisory Committees



IJIS Working Groups and Task Forces



IJIS Working Groups and Task Forces (continued)



Annual and Topic/Industry-Specific Events

- National Symposium
- Mid-Year Briefing and Member Forum
- Corrections Leadership Technology Forum
- Court Technology Industry Summit Series
- Emergency Response Technology Forum
- Opioid Technology Summit
- Privacy Summit
- Artificial Intelligence and Video Analytics Summit



**Our Vision is a never-ending digital
revolution in public-sector technology and
information sharing that results in *safer,
healthier, and happier communities.***

www.ijis.org



IJIS Institute

2021 / 2022 RECOMMENDATIONS IN ADVANCING NIEM ADOPTION

- **Mature NIEM Using GAO Reports**
- **Incorporating NIEM into Contract Acquisition (Gov. Contract Vehicles)**
- **Mature NIEM Data Model**
- **Increase NIEM Adoption Through NIEM Teams (SLTT)**
- **On-Board New Domains**
- **NIEM as an Approved Data Standard**



TAKING ADVANTAGE OF GAO REPORTS



Sample GAO Reports:

- Actions Needed to Ensure Investments in Key Data System Meet Mission and User Needs
- DHS Is Assessing Fusion Center Capabilities and Results, but Needs to More Accurately Account for Federal Funds
- Agencies Could Better Coordinate to Reduce Overlap in Field-Based Activities: They are: Joint Terrorism Task Forces, Field Intelligence Groups, Regional Information Sharing Systems (RISS) centers, state and major urban area fusion centers, and High Intensity Drug Trafficking Area (HIDTA) Investigative Support Centers



Recommendations

- Evaluate GAO Reports monthly and establish way forward to assist report recipient through NBAC and NIEM PMO.
- Engage with GAO PMO and showcase NIEM Value Proposition.

GAO U.S. Government Accountability Office

information sharing
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Budget and Spending (4,089)

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Economic Development (2,225)

Education (1,065)

Employment (2,189)

Energy (1,319)

Equal Opportunity (573)

Human Capital (1,829)

Information Management (616)

Information Security (435)

Information Technology (1,120)

International Affairs (2,100)

Justice and Law Enforcement (4,745)

National Defense (4,959)

Natural Resources and Environment (2,426)

Retirement Security (773)

Science and Technology (431)

Space (636)

Tax Policy and Administration (1,218)

Telecommunications (678)

Transportation (2,209)

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GAO Highlights

DATAFACT

GAO Reported That Quality of Agency-Submitted Data Varied, and Most Recommended Improvements

What GAO Did This Study

GAO reviewed the results of the 2015 survey of agency data quality. GAO found that the quality of agency data varied, and that most recommended improvements were not implemented. GAO also found that the quality of agency data varied, and that most recommended improvements were not implemented.

What GAO Found

GAO found that the quality of agency data varied, and that most recommended improvements were not implemented. GAO also found that the quality of agency data varied, and that most recommended improvements were not implemented.

GAO Highlights

INFORMATION SHARING

DHS Is Assessing Fusion Center Capabilities and Results, but Needs to More Accurately Account for Federal Funding Provided to Centers

What GAO Did This Study

GAO reviewed the results of the 2015 survey of agency data quality. GAO found that the quality of agency data varied, and that most recommended improvements were not implemented. GAO also found that the quality of agency data varied, and that most recommended improvements were not implemented.

What GAO Found

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GAO Highlights

INFORMATION SHARING

Agencies Could Better Coordinate to Reduce Overlap in Field-Based Activities

What GAO Did This Study

GAO reviewed the results of the 2015 survey of agency data quality. GAO found that the quality of agency data varied, and that most recommended improvements were not implemented. GAO also found that the quality of agency data varied, and that most recommended improvements were not implemented.

What GAO Found

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ENGAGE GOVERNMENT CONTRACT VEHICLES

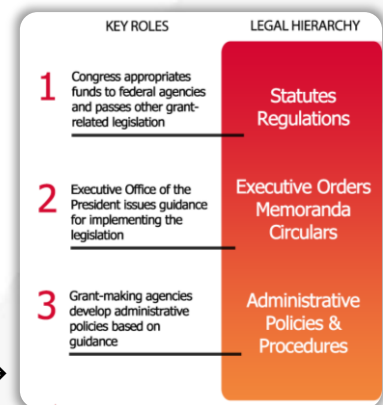
- Government IT Work is Management through Government Contract Vehicles such as:



- Recommendations:**

- NIEM PMO and NBAC Engaging the Government Contract Offices to Showcase NIEM Value Proposition and assist in Adding NIEM Requirements into future Government Contracts.
- Ensure NIEM Requirements stays in the Grants.GOV as a requirement when awarding Grants related contracts.

How Federal Grant Policies Are Made →



CONTINUE MATURE NIEM DATA MODEL

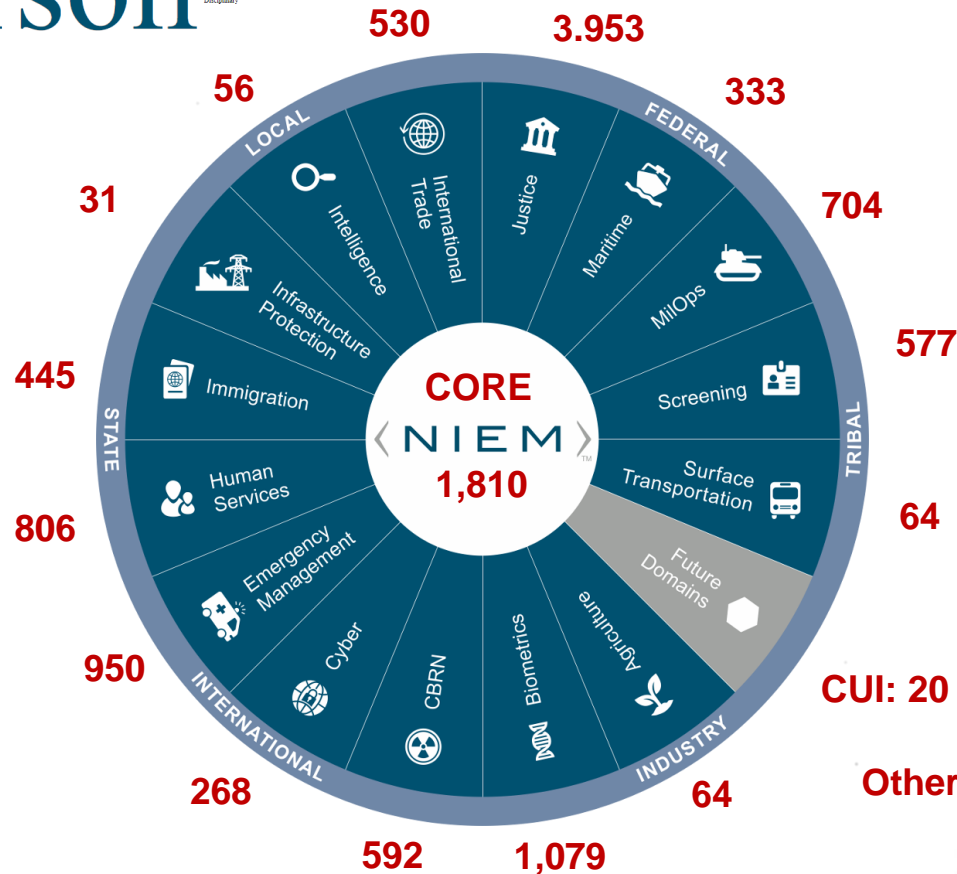
Cloud diagram of the most commonly appearing terms in NIEM Core element names



- **Current Data Model Inventory:**

- ✓ NIEM Release 5.0 (End of year 2020)
 - ✓ 12,092 properties
- ✓ NIEM Release 5.1 beta 1 draft (to-date)
 - ✓ 120,978 properties

✓ **Currently there are 1,115 code types and over 92,691 individual codes**

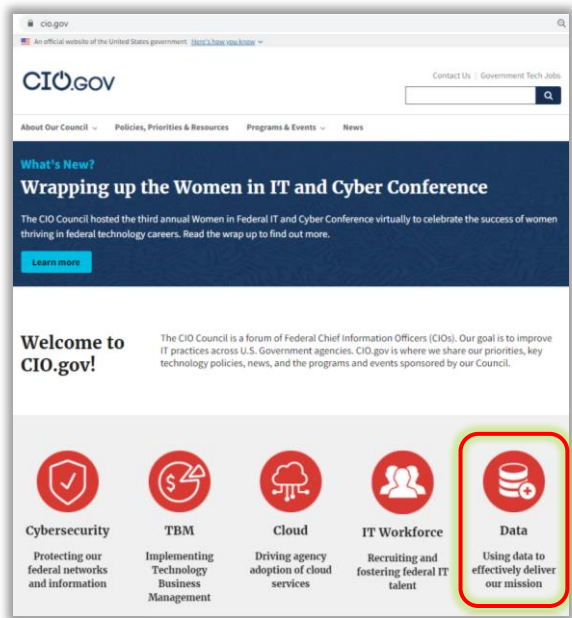


CUI: 20 Statistics (GSIM): 520

Other (from Code Sets): 142

ENGAGE MORE AGENCIES AND ORGANIZATIONS

- **Continue Engaging CIO Organizations and Showcase NIEM Value Proposition:**



Fed CIO



Code.GOV



NIEM as a Voluntary Consensus Standard



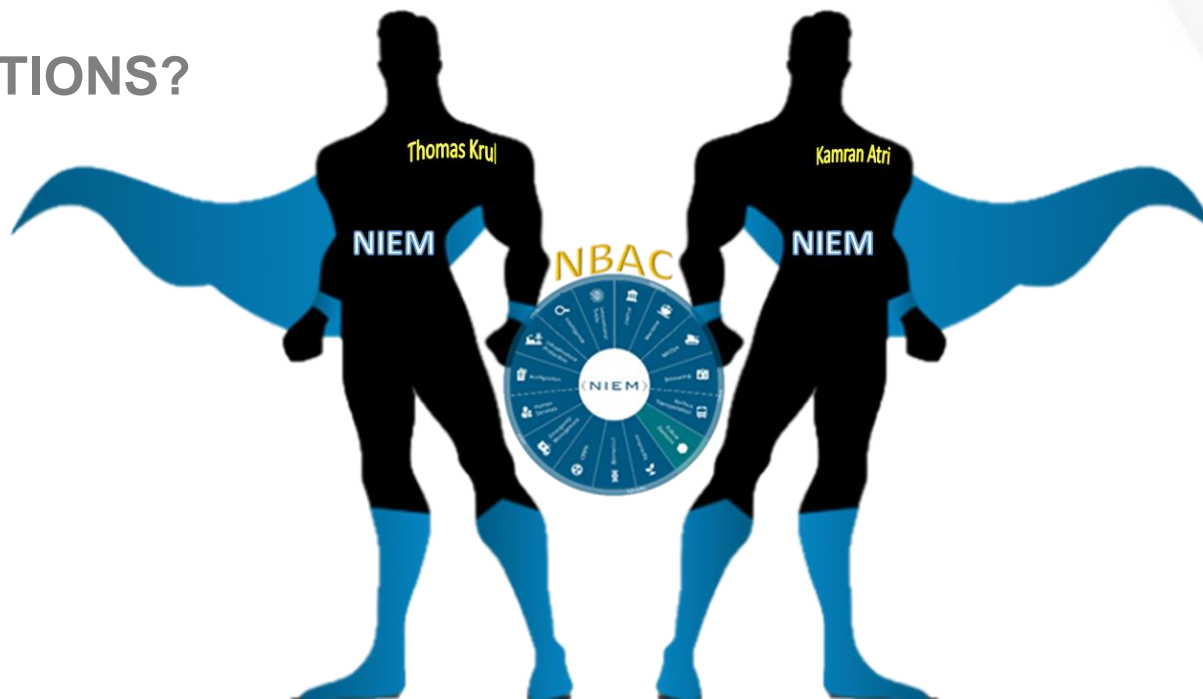
Developing a IEPD Use-case

Q&A

- **NIEM Plays a Key Role in:**
 - Designating an Organization as a “ **Data Driven Organization** ”.
 - Organizations that must Consume, Access, Manipulate, Manage, Analyze, Standardize, Share and Distribute all Available Data from Existing or New Potential Data Sources.
 - Data Architecture, Data Management and Data Engineering, the Key Components of any IT Modernization Life Cycle.

Enabling Connected ~~Future~~ Now

QUESTIONS?



➤ Thomas Krul



thomas.krul@canada.ca

NBAC Co-Chairs



➤ Kamran Atri



katri@A4SAFE.COM

NBAC Co-Chairs



➤ Stephen M. Sullivan

Booz | Allen | Hamilton

Stephen.m.sullivan14.ctr@mail.mil
Sullivan_Stephen@bah.com

NBAC Secretariat –NIM PMO

NEXT NIEM F2F SESSION – GROWTH AND OUTREACH

NBAC ANNUAL MEETING - DAY 1

NBAC Annual Meeting (Tuesday, 14 September 2021)

PM Session

Location: Virtual/ MS - TEAMS

1-1:05	Introduction/Agenda	NBAC Co-Chairs (Mr. Kamran Atri & Mr. Thomas Krul)	<ul style="list-style-type: none"> Welcome Agenda Introduce Keynote Speaker
1:05 -1:30	Keynote Speaker	Mr. Ted Okada (FEMA, Chief Technology Officer, OCIO/Mission Support)	<ul style="list-style-type: none"> Technology role and information sharing What are some of the information sharing pitfalls? IoT and Data Standardization
1:30 - 1:50	Session introduction	Mr. Thomas Krul	<ul style="list-style-type: none"> Growth & Outreach
1:50 - 2	Break		
2 -2:50	Session II - NIEM Growth & Outreach Guest Speaker	Mr. Thomas Krul Ms. Karen Murgas (ADL)	<ul style="list-style-type: none"> Growth & Outreach Outreach Best Practices
2:50 - 3	QA/Wrap-up/Action Items	NBAC Co-Chairs (Mr. Kamran Atri & Mr. Thomas Krul)	<ul style="list-style-type: none"> Closing