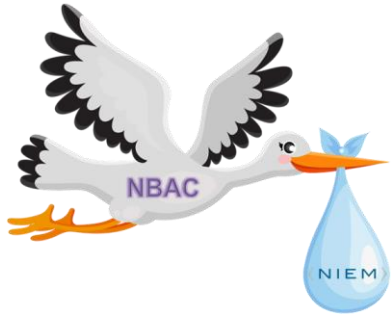
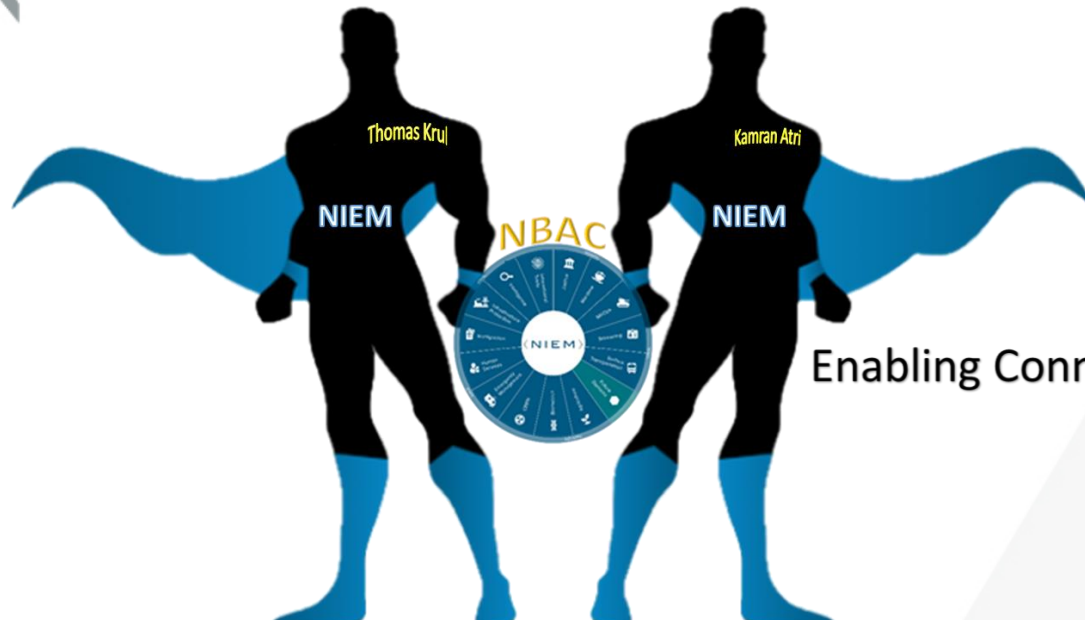


NIEM NBAC F2F 2021



Session V – Road To Success

< NIEM >™



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SESSION V – ROAD TO SUCCESS

NBAC ANNUAL MEETING - DAY 3

NBAC Annual Meeting (Thursday, 16 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
10:05-1040	Introduction/Brief Contributing OASIS Representatives	Ms. Katherine Escobar Ms. Carol Geyer & Mr. Chet Ensign (OASIS)	<ul style="list-style-type: none"> Standardization
10:45-11:00	Break		
11 - 11:50	Session V - Road to Success Guest Speaker	NBAC Co-Chairs (Mr. Kamran Atri & Mr. Thomas Krul) Mr. Poewan Lau	<ul style="list-style-type: none"> Projects From Last Year Big Wins Projects for Next Year/Future
11:50 - 12	QA/Wrap-up/Action 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



– Contributing Speaker

- Carol Geyer



- Chet Ensign



– Guest Speaker

- Poewan Lau

- ***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

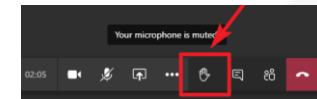
QUESTIONS & ANSWERS ARE ENCOURAGED!

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.*

CAROL GEYER



Carol Geyer is Chief Development Officer for OASIS Open, the international, nonprofit open source and standards consortium. She plays a major role in setting OASIS strategy, policy, and program development. She was instrumental in growing OASIS from its founding in 1993 to its position today as one of the most respected standards bodies in the world. Carol's work supports a broad technical agenda that includes cybersecurity, privacy, cryptography, cloud computing, blockchain, IoT, sharing economy, content management, emergency response, and other areas of interest to OASIS members. Carol is based in Sarasota, Florida, USA..

ROAD TO STANDARDIZATION

Katherine Escobar

Deputy Division Chief Data and Standards Division

Joint Staff J6

Department of Defense



NIEM - OASIS OPEN PROJECT

**KEEPING PACE WITH INNOVATIONS IN DATA TECHNOLOGIES AND
STANDARDIZATION**

NIEM AS A STANDARD PROPOSAL

Discussion:

- Established goal to review NIEM becoming a standard at 2021 Annual meeting
- Explored Standard Model options:

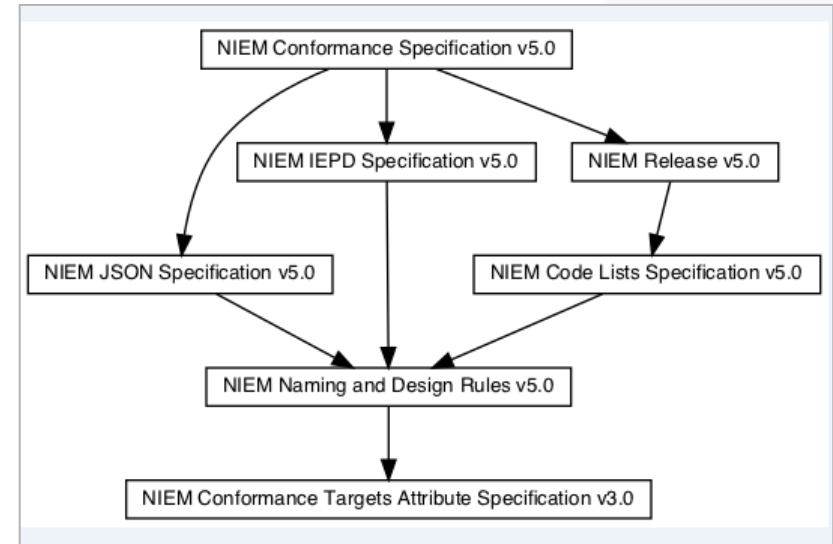
Organization	Experience	Retain NMO Management	Estimated time	Standard Free to Public	Domains Participate Free
NIST	✓	✗	12-18 months	✗	✗
OMG	✓	✗	12-18 months	✗	✗
OASIS	✓	✓	12-18 months	✓	✓
NIEM Management Office as ASD	✗	✓	36-48 months	✓	✓
GRTI as ASD	✓	?	36-48 months	?	?
Stewards of Change as ASD	✗	?	36-48 months	?	✓

- Alternate approach: NIEM Status Quo, explore resolution to systemic concerns

SPECIFICATIONS INCLUDED IN PROPOSED NIEM STANDARD

The proposed NIEM standard includes the data model and a collection of specifications that work together to support what we refer to as NIEM

- NIEM Conformance Specification
- NIEM Data Model/ NIEM Release v5.0
- NIEM IEPD Specification v5.0
- NIEM JSON Specification v5.0
- NIEM Code Lists Specification v5.0
- NIEM Naming and Design Rules (NDR) v5.0
- NIEM Conformance Targets Attribute Specification v3.0



**An arrow represents a dependency of one item upon another*

OASIS AS THE ASD

Advantages

- Established/Experienced ASD
- Formalized processes and procedures
- Support for the development of open source code and/or related materials and prose specifications
- Formal approval of appropriate content as OASIS Standards
- Path to International Standard
- Participation opportunities for the entire community.
- Stakeholder leadership under Project Governing Boards and Technical Steering Committees.
- OASIS provides legal support, marketing and NMO function support
- Submitter maintains Patent Protection and Intellectual Property
- Free public access to all deliverables in perpetuity.
- Extensible collection of project collaboration tools
- Publicity and promotional activities including press releases, webinars, and social media.
- Shared Set Cost Structure
- CISA has agreed to join NIEM project - Additional \$25k
- Pay-to-Play for other organizations- Cost based on size of org
- Project costs include multiple NIEM specification

Disadvantages

- Must Comply with OASIS procedures
- NIEM Management Office cost is \$25K (funding applied to cost of the project)
- Other organizations can vote on your standard

RECOMMENDATION

Establish NIEM as an Open Standard through OASIS

- Base Sponsor dues (\$25k) cover the core technical, legal, promotional, and administrative services provided by OASIS
- Path to ratified National and International standard status
- 12-24 month timeline to standard ratification

PROPOSED NIEM MOVE TO OASIS

Becomes: an OASIS “Open Project”

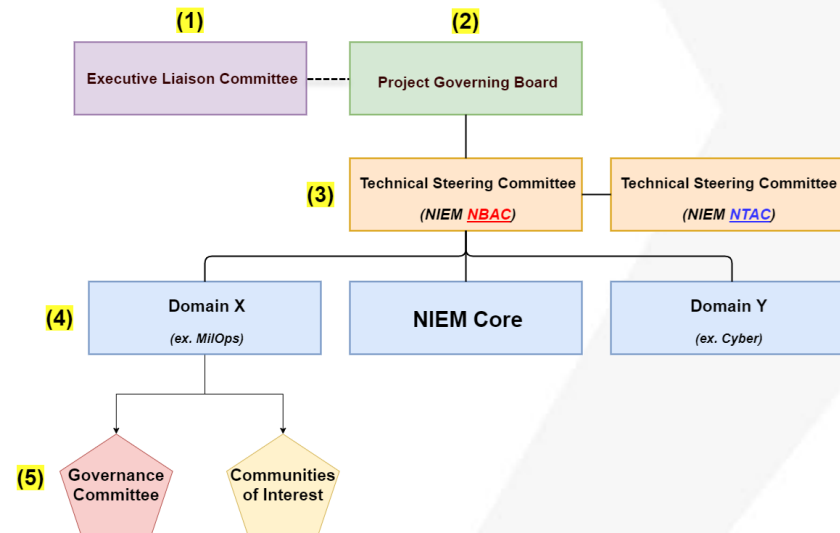
Why the Move: it’s the next logical NIEM maturity step and allows NIEM to be designated a standard. This move shifts leadership and resourcing to the OASIS user community.

NIEM “As Is”  “To Be”

1. NIEM ESC – becomes *Executive Liaison Committee*
2. NIEM Management Office – becomes *Project Governing Board*
3. NIEM Technical and Business Architecture Committees – becomes *Technical Steering Committees*
4. NIEM Domain Stewards – no change
5. Tiger Teams – no change
6. Lead Developer – funded by OASIS and Project Governing Board
7. NIEM Core Steward – OASIS Technical Steering Committees

Selected Membership Considerations

- Federal CDO Council co-chairs invited to be a member of Executive Liaison Committee
- DoD CDO invited to be a member of Executive Liaison Committee
- Domains invited to be a member of the Project Governing Board
- Joint Staff J6 member of the Project Governing Board
- Joint Staff J6 retains MilOps Domain stewardship
- International participation encouraged at all levels



NIEM TRANSITION AND TIMELINE

- Phased approach Open Standard – 24 months
 - Phase 1 (12 months): Preparation (Governing Documentation and Sponsor Commitments)
 - Phase 2 (12 month): Formal Transition to OASIS (NMO)



NIEM Major Projects Transition

- ❖ NIEM OASIS
 - NIEM Management Office
 - Annual Model update
 - Meeting Management
 - Training
 - Marketing
 - Enterprise Tools
- ❖ MilOps and JS J6
 - Restricted (CUI) Repository
 - NIEM.gov website

NIEM OASIS POTENTIAL SPONSORS

- Non-Government/Commercial
 - GTRI
 - NASCIO
 - MITRE
 - Cybercrime Support Network
 - IBM (SPARKS)
 - IJIS
 - OMG
 - COMPTIA
 - Grid-ML
 - Nishkarsh
 - Magic Drawcrossflo
- State/Local Governments
 - State Courts
- Domain Stewards (15 and counting)
 - Joint Staff (MILOPS)
 - DHS (CISA, Biometrics, Immigration)
 - Veterans Affairs
 - Advanced Distributed Learning
 - NIST
 - DOJ
 - DCSA
 - CDC
- International
 - Canada (Public Safety, Employment & Social Development)
 - Mexico
 - Interpol (EUROJUST)

WHAT CORE SERVICES OASIS PROVIDES

- ✓ Legal entity, management of trademarks and copyrights
- ✓ Contributor License Agreement administration
- ✓ Collaboration tool set: GitHub org, mailing group, calendar, roster, ballot, asynchronous chat, video meetings...
- ✓ OASIS Standards process submission management
- ✓ Submission of approved deliverables to ISO, IEC, ITU via OASIS liaison
- ✓ Community management support
- ✓ Assistance in writing charter, Code of Conduct, other policies
- ✓ Governance administration and support
- ✓ Initial set-up of project assets such as website design, hosting, site maintenance, collateral and logo design
- ✓ Press, promotion & outreach to attract developers and sponsors
- ✓ Meeting planning and coordination
- ✓ Free public access to deliverables in perpetuity

OASIS

- OASIS
- 35 Corporate Drive Suite 150, Burlington, MA 01803-4238 USA
- [+1 781 425 5073](tel:+17814255073)
- op-admin@oasis-open.org
- <https://www.oasis-open.org>
- <https://github.com/oasis-open-projects/documentation>
- <https://github.com/oasis-open-projects/documentation/blob/master/guides/getting-started-guide.md>
- <https://github.com/oasis-open-projects/documentation/tree/master/guides>

ROAD TO SUCCESS

POEWAN LAU

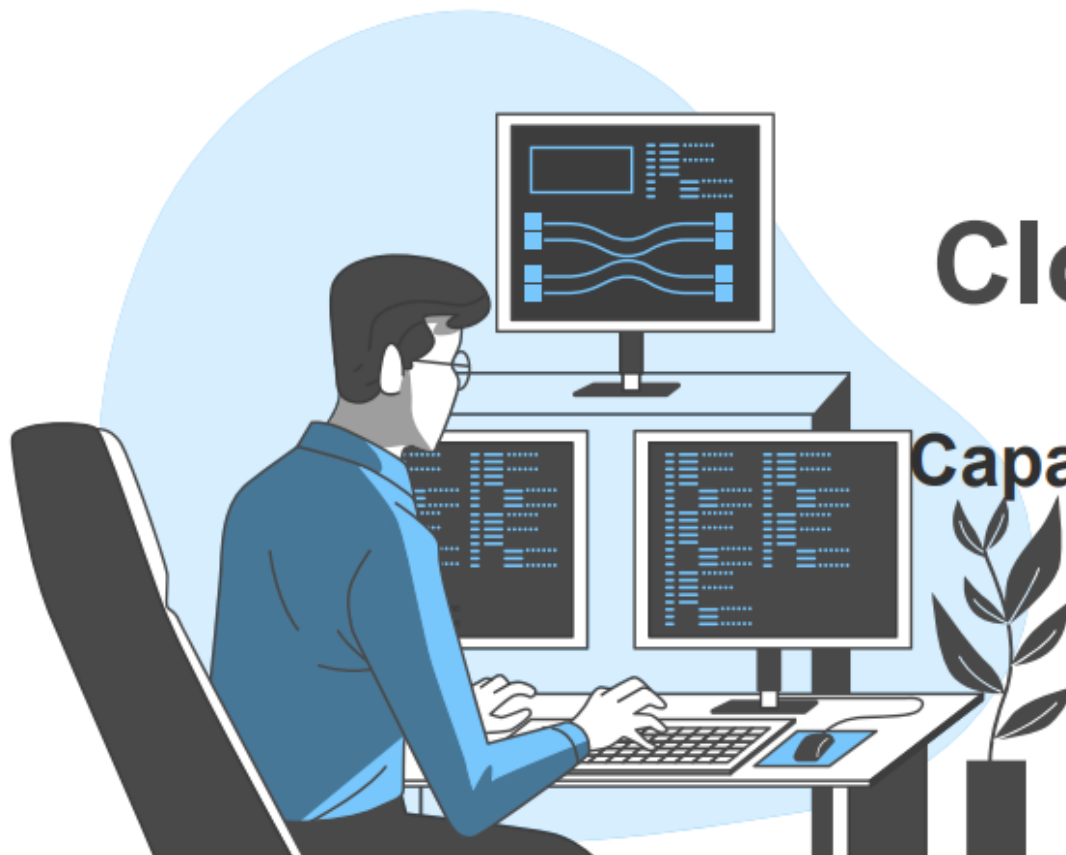
Poewan Lau, he cheerfully answers to “Poe,” graduated from the University of Ottawa in the mid 80’s with a degree in Electrical Engineering and an enduring interest in emerging technologies.

Canada’s National Research Council proved to be an ideal career starting point that has evolved over time into his area of particular interest which is business transformation through the implementation of technology.

On the road to building the skillsets needed to be successful in that demanding change management specialization Poe has been responsible for some very diverse activities such as: organizational redesign for a group comprised of 1200 personnel, creating an app to strengthen the executive leadership cadre by determining the best upcoming executive position candidates and running performance management pilot projects to showcase the ability of information to enhance military capabilities from both the efficiency and effectiveness perspectives.

He is currently the Section Head for Information Capabilities Transformation, Requirements and Architecture responsible for a large portfolio of projects.

Poe describes the job as getting from “requirements to reality.” His enthusiasm for technology remains undiminished.

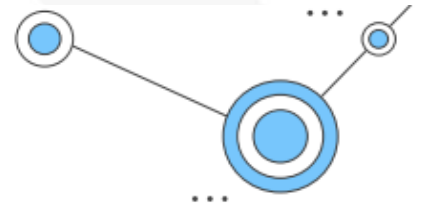


Cloud Enabled Paradigm Shift to Capability Development

Poewan Lau – Section Head
Information Capabilities
Transformation, Requirements and
Architecture

Department of National Defence
September 16, 2021

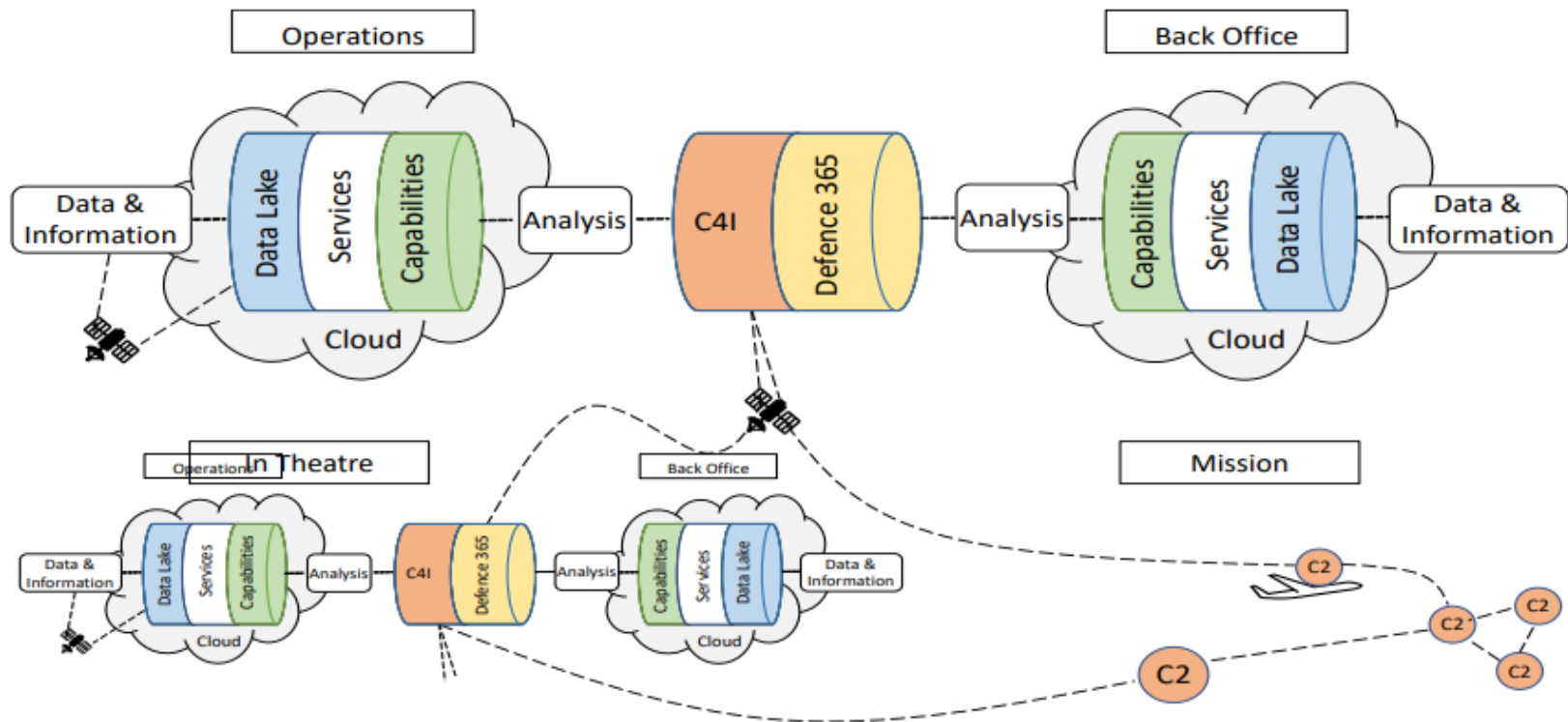
Issue



The dynamic nature of Cloud technologies combined with the rapid pace of adoption by the global defence community means that we need a paradigm shift to capability development that allows us to keep pace. This is how we are organizing to achieve that.

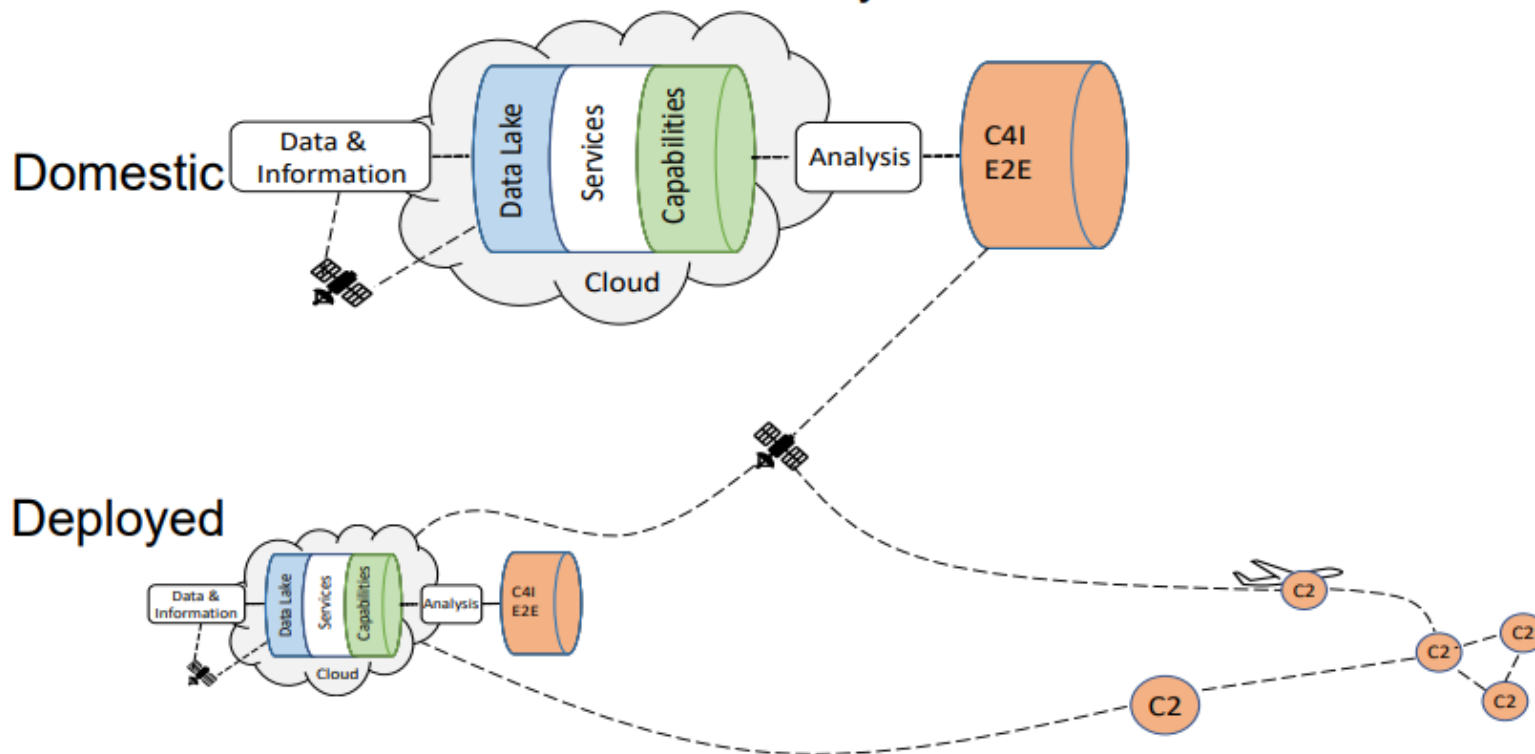


A Solid Foundation- Architecture

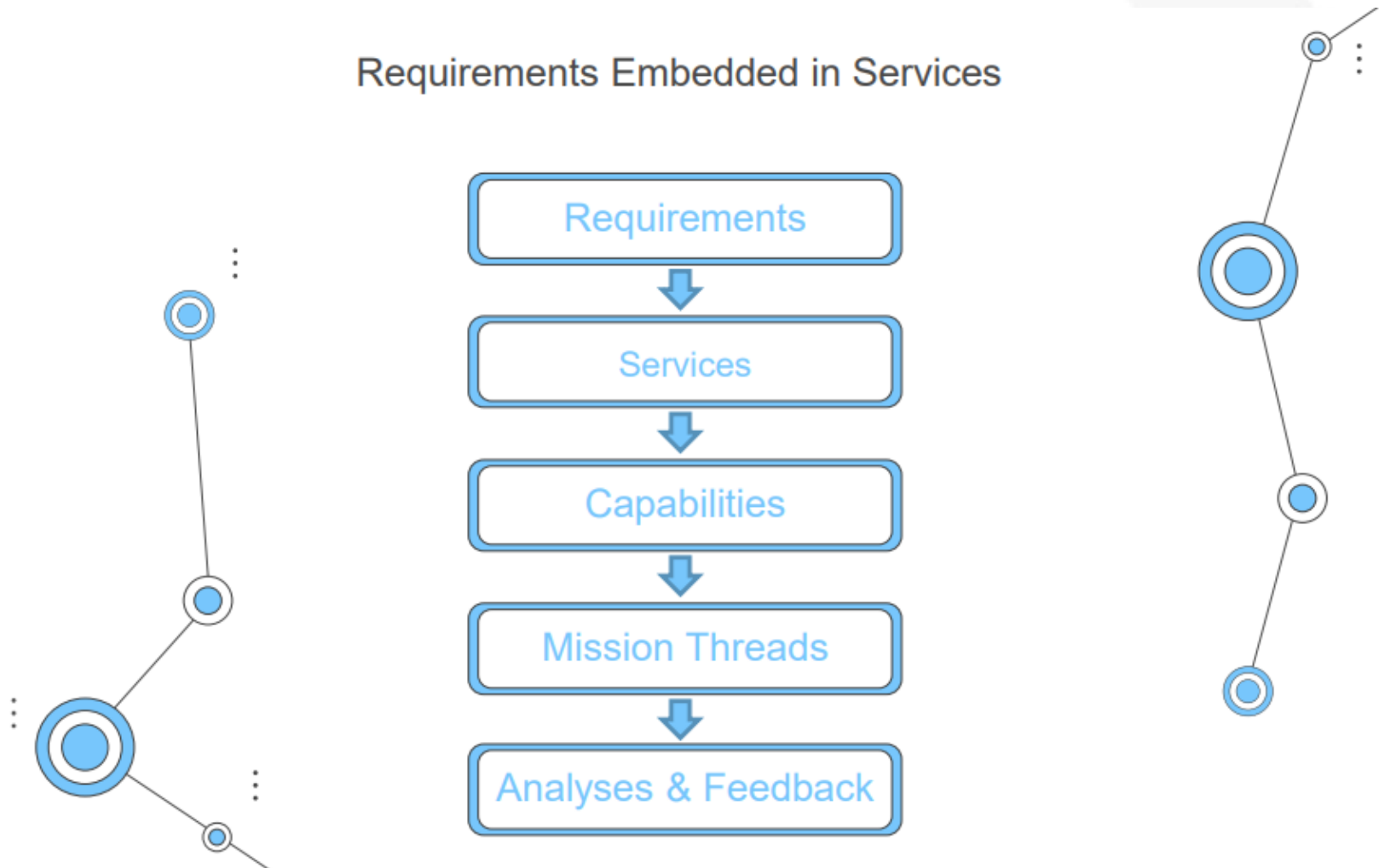


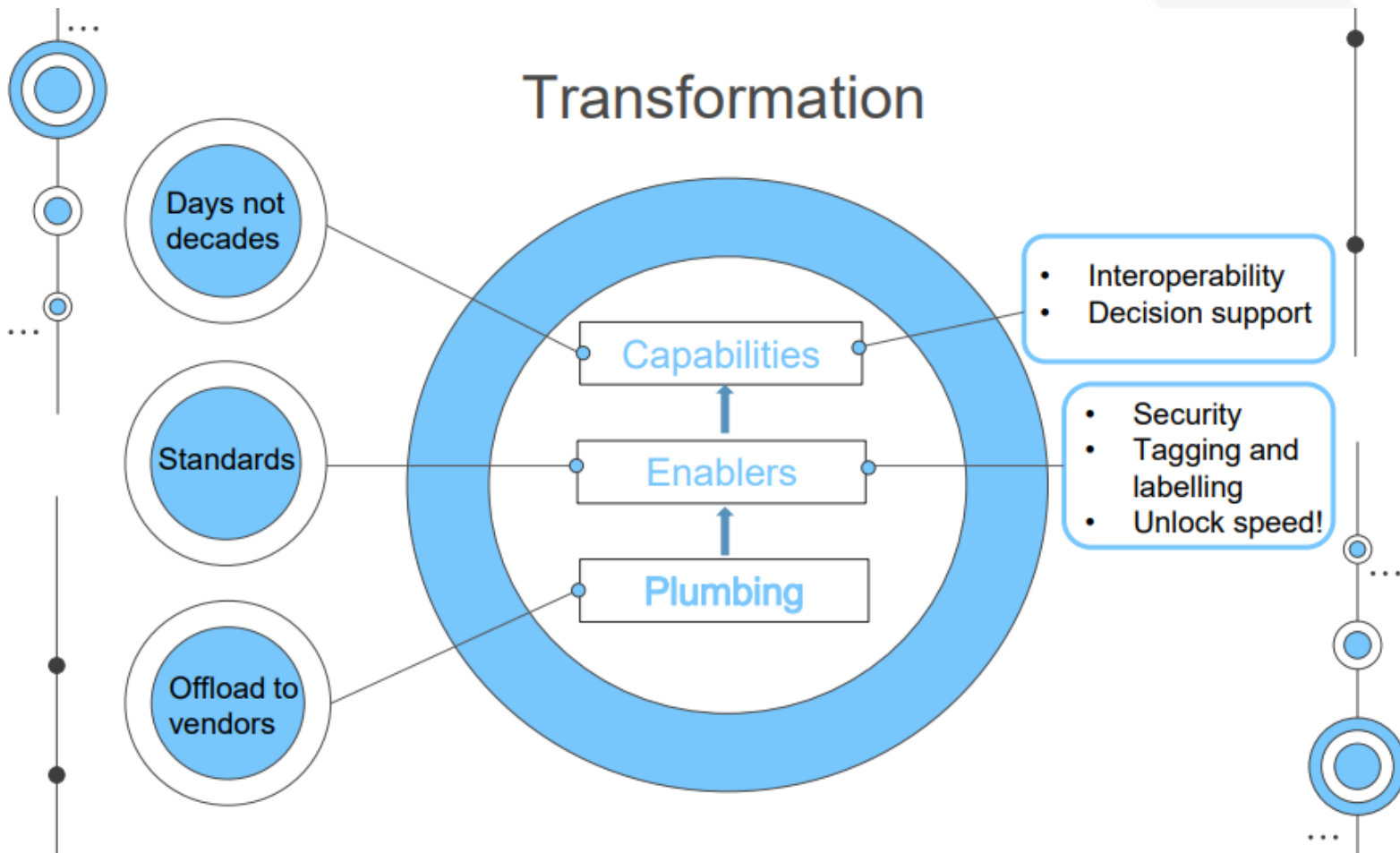
A Solid Foundation

Sensor to Effector Unity Architecture



Requirements Embedded in Services





Summary

- Foundations matter
- Understanding how we shift from a focus on technical requirements to business requirements
- Capabilities in days not decades

ROAD TO SUCCESS

- *Standardization, innovation, collaboration.*
- *It's part of a bigger picture, part of many processes and activities.*
- *When going digital, bring up NIEM – when discussing NIEM, bring up digital.*

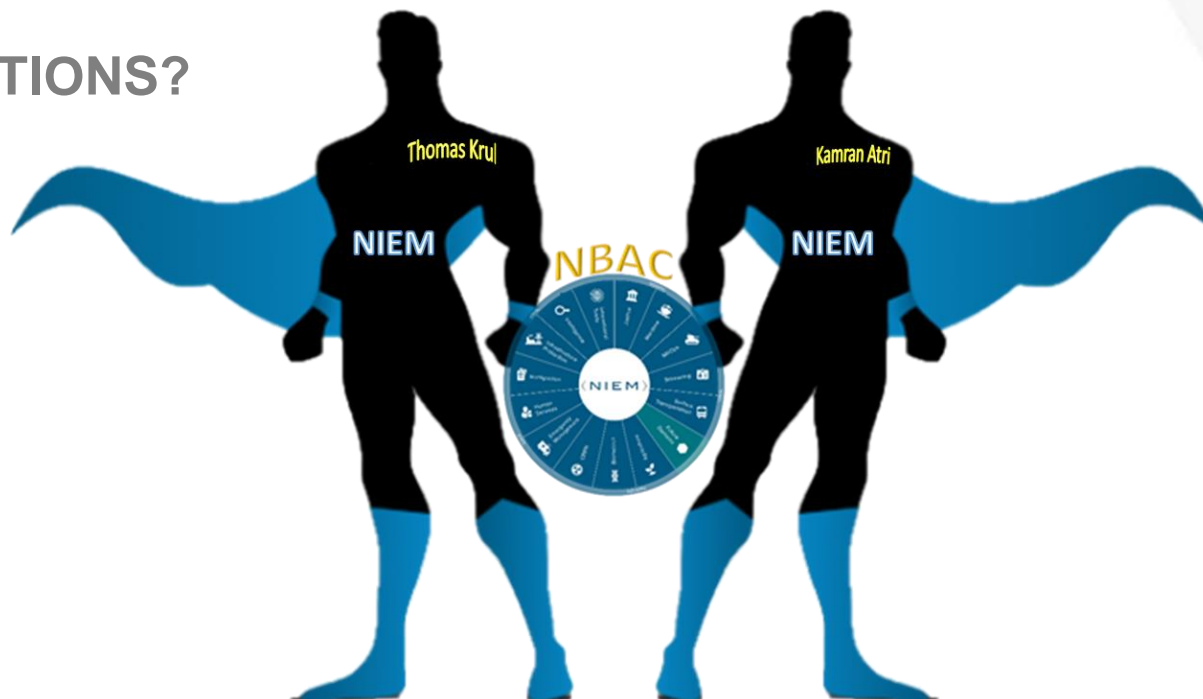


Q&A

- **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.

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QUESTIONS?



➤ Thomas Krul



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NBAC Co-Chairs



➤ Kamran Atri



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NBAC Co-Chairs



➤ Stephen M. Sullivan

Booz | Allen | Hamilton

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NBAC Secretariat –NIM PMO

NEXT NIEM F2F SESSION VI – SHARING AND COLLABORATION

NBAC ANNUAL MEETING - DAY 3			
NBAC Annual Meeting (Thursday, 16 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
1:05-1:45	Session VI - Sharing & Collaboration	NBAC Co-Chairs (Mr. Kamran Atri & Mr. Thomas Krul) Domain Representatives	<ul style="list-style-type: none"> Domain Open Floor Topics Mentoring Program/Demos (NIEM.gov/Repo)
1:45 - 1:55	Break		
1:55 - 2:15	NTAC Annual Meeting Summary	NTAC Co-Chairs (Dr. Scott Renner & Mr. Mike Hulme)	<ul style="list-style-type: none"> NTAC Summary
2:15 - 2:50	NBAC Business Session	NBAC Co-Chairs (Mr. Kamran Atri & Mr. Thomas Krul)	<ul style="list-style-type: none"> New Domains 2022 Work Plan
2:50-3	QA/Wrap-up/Action Items	NBAC Co-Chairs (Mr. Kamran Atri & Mr. Thomas Krul)	<ul style="list-style-type: none"> Closing