Data Standards Workgroup
OG:RAD

(Open Government: Research Administration Data)

FDP Meeting – Jan 2019

Data Standards, Agenda
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- OG:RAD Membership and Introduction
- Purpose
- Workgroup analysis and public comment

OG:RAD – Who?

Steering Committee

Members	FDP Member Organization	Note
Stephanie Endy	Case Western University	Co-chair, Administrator
Avinash Tembulkar	National Science Foundation	Co-chair, Agency
Richard Fenger	University of Washington	Co-chair, Tech (Data)

Workgroups	Note
1) Data Standards (FIBF)	*see membership slide (and/or raise your hand?)*
2) Draw-downs – Recruiting	Recruiting

Data Standards, Why
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- Purpose
  - FIBF
  - President's Management Agenda (PMA), p12
    - Cross Agency Priority Goals (CAP) Goal: 8

  "Results-Oriented Accountability for Grants"

Federal Integrated Business Framework

Service Area Ecosystem

Select a Service Area

Financial Management | **Human Capital** | **Procurement** | **Grants Management** | **Travel & Expense**

What is the Federal Integrated Business Framework (FIBF)?

The FIBF is a model that enables the Federal government to better coordinate and document common business needs across agencies, focusing on outcomes, data, and cross-functional end-to-end business processes. It is the essential first step towards standards that will drive economies of scale and leverage the government's buying power. The FIBF includes five components:
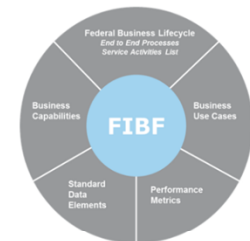
1. **Federal Business Lifecycles, service areas, functions, and activities** serve as the basis for a common understanding of what services agencies need and solutions should offer.

2. **Business Capabilities** are the outcome-based business needs mapped to Federal government authoritative references, forms, and data standards.

3. **Business Use Cases** are a set of agency "stories" that document the key activities, inputs, outputs, and other LOB intersections to describe how the Federal government operates.

4. **Standard Data Elements** identify the minimum data fields required to support the inputs and outputs noted in the use cases and capabilities.

5. **Performance Metrics** define how the government measures successful delivery of outcomes based on timeliness, efficiency, and accuracy targets.
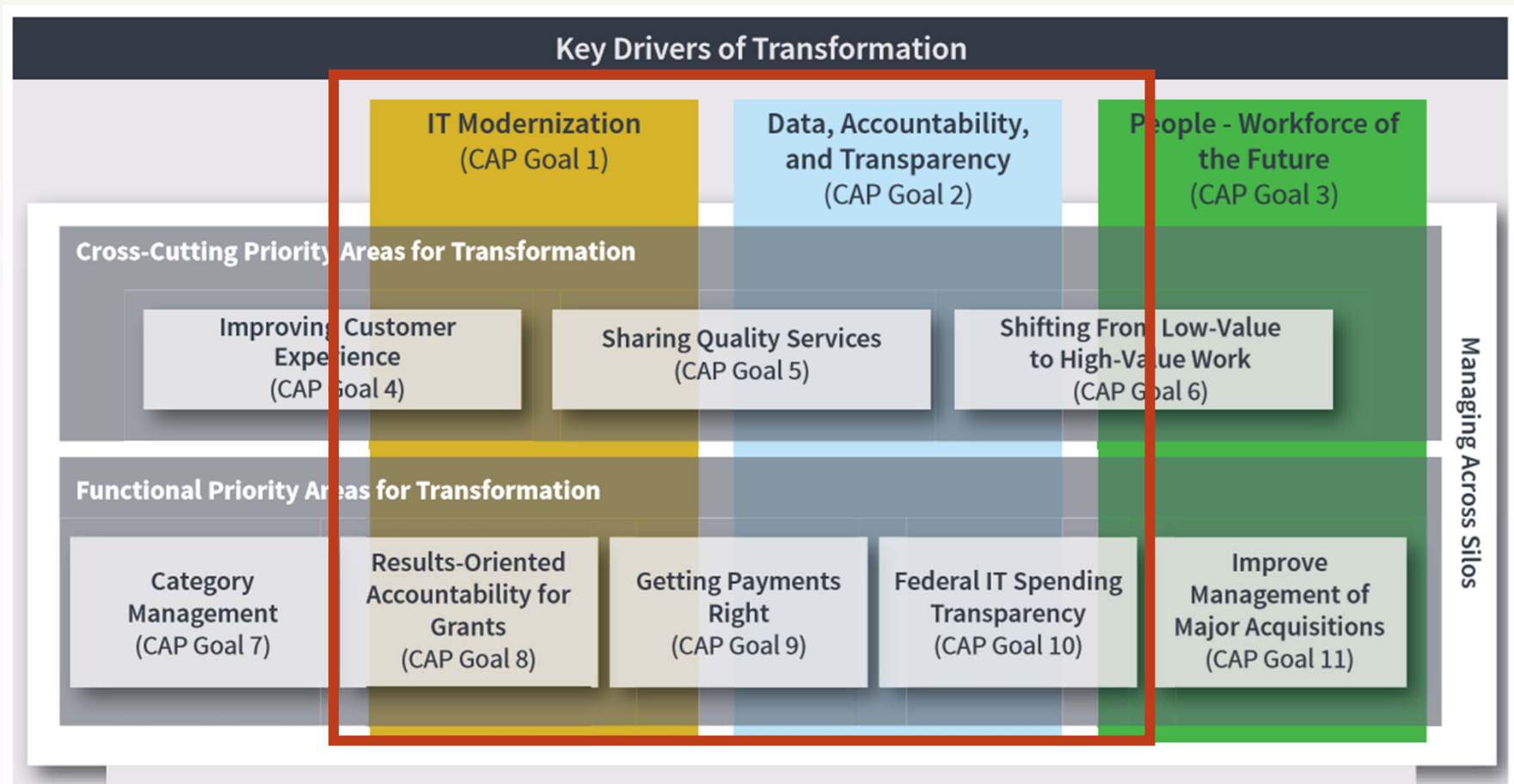
The cross-functional end-to-end business processes the FIBF currently covers include:

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4. **Standard Data Elements** identify the minimum data fields required to support the inputs and outputs noted in the use cases and capabilities.

Data Standards, PMA and CAP Goals
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PMA & CAP

Key Drivers of Transformation

IT Modernization (CAP Goal 1)	Data, Accountability, and Transparency (CAP Goal 2)	People - Workforce of the Future (CAP Goal 3)

Cross-Cutting Priority Areas for Transformation

Improving Customer Experience (CAP Goal 4)	Sharing Quality Services (CAP Goal 5)	Shifting From Low-Value to High-Value Work (CAP Goal 6)

Functional Priority Areas for Transformation

Category Management (CAP Goal 7)	Results-Oriented Accountability for Grants (CAP Goal 8)	Getting Payments Right (CAP Goal 9)	Federal IT Spending Transparency (CAP Goal 10)	Improve Management of Major Acquisitions (CAP Goal 11)

Managing Across Silos

PMA & CAP p38 & 39

Results-Oriented Accountability for Grants (CAP Goal 8)

CAP GOAL 8
RESULTS–ORIENTED ACCOUNTABILITY FOR GRANTS

Federal agencies will maximize the value of grant funding by applying a risk-based, data-driven framework that balances compliance requirements with demonstrating successful results for the American taxpayer.

THE CHALLENGE

Approximately $700 billion is invested annually through more than 1,800 diverse Federal grant programs listed on *CFDA.gov*.[9] These funds support activities that touch every American, such as medical research, education, transportation infrastructure, workforce initiatives, economic development, and services for veterans.

However, grant managers—including those that administer funds from inside the Federal Government and those from external organizations that receive Federal funds—report spending 40% of their time using antiquated processes to monitor compliance instead of data and analytics to monitor results.[10] The organizations that receive Federal grant funds—from states, localities, and tribes to schools to non-profits—report that this current management framework is overly burdensome and takes away from the missions they are working to deliver. For instance principal investigators of research grants estimate that they spend, on average, 42% of their time meeting requirements[11]—including those associated with pre-and post-award administration and preparation of proposals and reports—rather than conducting active research.

THE GOAL

This goal will:

- Rebalance compliance efforts with a focus on results for the American taxpayer;
- Standardize grant reporting data and improve data collection in ways that will increase efficiency, promote evaluation, reduce reporting burden, and benefit the American taxpayer;
- Measure progress and share lessons learned and best practices to inform future efforts; and
- Support innovation to achieve results.

THE STRATEGIES

Agencies will focus on three strategies:

- Standardize data;
- Develop digital tools to manage risk, such as a grantee's past performance and financial management; and
- Implement a maturity model to encourage agencies to structure grant programs that best balance program results and financial management as important aspects of stewarding tax dollars.

WHAT SUCCESS LOOKS LIKE

Agencies will be able to articulate clearly the goals of grant programs and the results of Federal investments. Recipients and agencies spend less time on administrative compliance and more effort is put into achieving and reporting program results.

THE TEAM

The Department of Health and Human Services, the Department of Education, and the Office of Management and Budget will lead this goal. Other participating agencies will include major grant making agencies with additional support provided by the General Services Administration.

Data Standards, Working Group
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Analysis Goal: Review proposed data elements and provide public comments to OMB

Gloria W. Greene, MA, CRA	The University of Alabama - Huntsville
Benjamin Mull, PhD	University of Houston
Stephen D Dowdy	Maryland
David Driesbach, MS, PMP	FIU
Ryan Davison, Ph.D	University fo Florida
Paige G. Brown, CPA	University of Kentucky
Victoria S. Briscoe	UTHealth
Kim Griffin, MS, PMP, CBIP	Northwestern University
Justin Miller, EdD, MPA	Ball State University
Lisa Stroud	University fo Florida
Ivona Jukic	Harvard Medical School
Rosemary Madnick	University of Alaska Fairbanks
Amihere, Patrick	The Office of Sponsored Research – Univ of North Carolina, Chapel Hill
David Scarbeary-Simmons	UCSF Controller's Office
Kawamura, Kathy	UCLA Office of Contract & Grant Administration

Data Standards, Feedback
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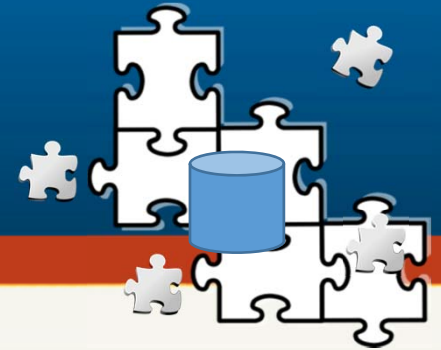
Public Comment by 1/15/19 – Github:

https://grantsfeedback.cfo.gov/

"The Grants Management Federal Integrated Business Framework (FIBF) has developed core grants management data standards that are being published here for your feedback."

Draft Federal Grants Management Data Standards for Feedback

Welcome to the Draft Grants Management Data Standards Feedback portal! The Results Oriented Ac[...] for Grants Cross Agency Priority Goal Team is soliciting feedback on the Federal Grants Managemen[...] Standards to develop and implement core grants management data elements and modernize inform[...] technology solutions. This information will be used to contribute to a future state where grants data [...] interoperable, there are fewer internal and public-facing grants management systems, and Federal a[...] agencies and recipients leverage data to successfully implement a risk-based, data-driven approach [...] Federal grants. **These data standards are a pre-decisional draft and should not be interpreted as [...]** or official guidance.

> **Draft** Data Standards to develop and implement core grants management data elements and modernize information technology solutions.

Data Standards

[...]t have a robust, integrated approach to use the multitude of data [...]e. To bring grants management to the digital age and allow recipients to [...]t delivers results, there is a need to develop and implement core grants [...]rnize grants management information technology solutions. The Grants [...]ss Framework (FIB[...]) has developed core grants management data [...] for your feedback. Your contribution will contribute to a future state [...]re there are fewer internal and public-facing grants management systems, and [...]s leverage data to successfully implement a risk-based, data-driven

> bring grants management to the digital age and allow recipients to focus more time on performing work that delivers results, there is a need to develop and implement core grants management data standards and modernize grants management information technology solutions

Data Standards, Element Summary
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Process Area	Elements by Phase
010 Grant Program Administration	86
020 Grant Pre-Award Management	85
030 Grant Award Management	33
040 Grant Post-Award Management and Closeout	91
050 Grant Program Oversight	10
060 Grant Recipient Oversight	121
Grand Total	**426**

Data Standards, Analysis Begins
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1st Pass:

1. **Questionable:** Elements that stand out as questionable (think ARRA and performance or vendor data) Elements, that if we were asked to supply them we may not know what we are being asking for. Another angle, we assume that they are populating the elements but if we were asked, would we understand what they are asking for?
2. **Matter of Fact**: Elements like CFDA, don't require further discussion
3. **Worth Discussing:** Elements that we think we understand but we may warrant further explanation.

Lifecycle: Elements are only listed for starting point in LC

Logical groupings: Legal Entity! *(see next slide)*

Multiple hits: Not there yet. Need workgroup to tackle

Data Standards, Logical Groupings
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Logical Groupings (10)

	cnt
GRMLegalEn	181
GrantAward	145
GrantProgr	23
AgencyPers	18
FundingOpp	11
GrantAppli	5
GRMFunding	3
GRMRequest	3
GRMAwardAc	3
BankAccoun	2
GRMNotific	2
GRMGeneral	2
GRMEvaluat	2

Logical Groupings (6)

	cnt
GRMLeg	181
GrantA	150
Agency	24
GrantP	23
Fundin	12
GRMReq	3
GRMFun	
GRMAwa	
GRMFed	
GRMGen	
GRMDat	
GRMNot	
GRMRes	

Top LG 5 by Lifecycle

LG	admin(010)	pre (020)	awd(030)	post(040)	prog(050)	recip(060)	Grand Total
GRMLegalEn	2	47	3	10	1	118	181
GrantAward	15	27	19	81		3	145
GrantProgr	14				9		23
AgencyPers	16		2				18
FundingOpp	11						11
Grand Total	**58**	**74**	**24**	**91**	**10**	**121**	**378**

Logical Groupings (3)

	cnt
⊞ Age	24
⊞ Ban	4
⊞ Bud	1
⊞ Bus	1
⊞ CFD	2
⊞ Fun	12
⊞ Gra	173
⊞ GRM	206
⊞ Non	1
⊞ Rou	1
⊞ Uni	1
Grand Total	**426**

Data Standards, Highlights
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Bookends:
- OMB – initial email reply, formative and many unknowns
- COGR Reply to Github – our adopted stance

Overarching Findings:
- Public/not public
- Application of elements, many angles
- Results and accountability of science
- Use and implementation
- Disclosure
- Bank info
- CVs

Data Standards, Elements
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Mapping: 425, SNoA

What's in the fields?

"Worth Discussing" Examples: (3s)

Data Standards, So what?
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Results:

- Stake in the ground
- Inconclusive
- NSF (Avi)
- OMB

Draft/Light Conclusion:

- More work to be done on the elements themselves with a more well rounded group
- FDP engagement to shape the future and work together with our Federal friends seems undeniable

Discussion Points:

1. concern, lack of or concerned – lack of review
2. sea change form based perspective to data – form limitations
3. S2s members
4. local data dictionaries
5.
6.
7.
8.