

IAB Agenda

- **Opening Remarks** (*Tony Cieri*)
- **OMB Perspective on HSPD-12 Progression** (*Carol Bales, OMB*)
- **HR 1 - Federal Preparedness Requirements** (*Chris Geldart, DHS/FEMA*)
- **NIST Update** (*Bill Macgregor, NIST*)
- **Unique ID- Federal Employee and Foreign National** (*Phong Ngo and Mark Pekrul, OPM*)
- **DHS' Credentialing Framework Initiative** (*Patricia Cogswell, DHS*)
- **Lessons Learned from a Shared Service Provider (SSP) Solution** (*Steve Duncan, GSA*)
- **E-authentication** (*Myisha Frazier-McElveen, GSA*)
- **HSPD-12 Status Update--NASA** (*NASA*)
- **Printed & Electronic Data on the Credential** (*NASA*)
- **Closing Remarks** (*Mike Butler, GSA*)



U.S. General Services Administration

Federal Acquisition Service

E-Authentication Solutions Presentation to Smart Card Interagency Advisory Board (IAB)

January 15, 2008

Briefing Agenda

- Who is E-Authentication Solutions?
- US E-Authentication Identity Federation
- E-Authentication Solutions service offerings
- How E-Authentication Solutions is relevant to Smart Cards

Authentication: Existed Before the “E”

Paper Authentication



Advent of the Internet

- PIN & Password
- Tokens and Certificates



Online Identity Needs Develop

- Security
- Privacy



GSA's E-Authentication Solution



What is E-Authentication?

A means for citizens, businesses, and other governments to securely identify themselves when accessing Federal Government applications online.

GSA E-Authentication Solutions Challenge

- Enable millions of **safe, secure, trusted** online transactions between Government and the citizens and businesses it serves.
- **Reduce online identity management burden** for Government agency application owners and system administrators.
- Provide citizens and businesses with a **choice of credentials** when accessing public-facing online Government applications.

What E-Authentication Solutions Offers

Provide e-authentication services to Federal Agencies via the **US E-Authentication Identity Federation.**

What is the E-Authentication Identity Federation?

A Federal Government “membership organization” comprised of 21 government agencies.

Membership has its privileges!

End users are able to access multiple Federal Agency externally facing web applications using the same credential. (credential reuse)

**E-Authentication Solutions Manages the
US E-Authentication Identity Federation**

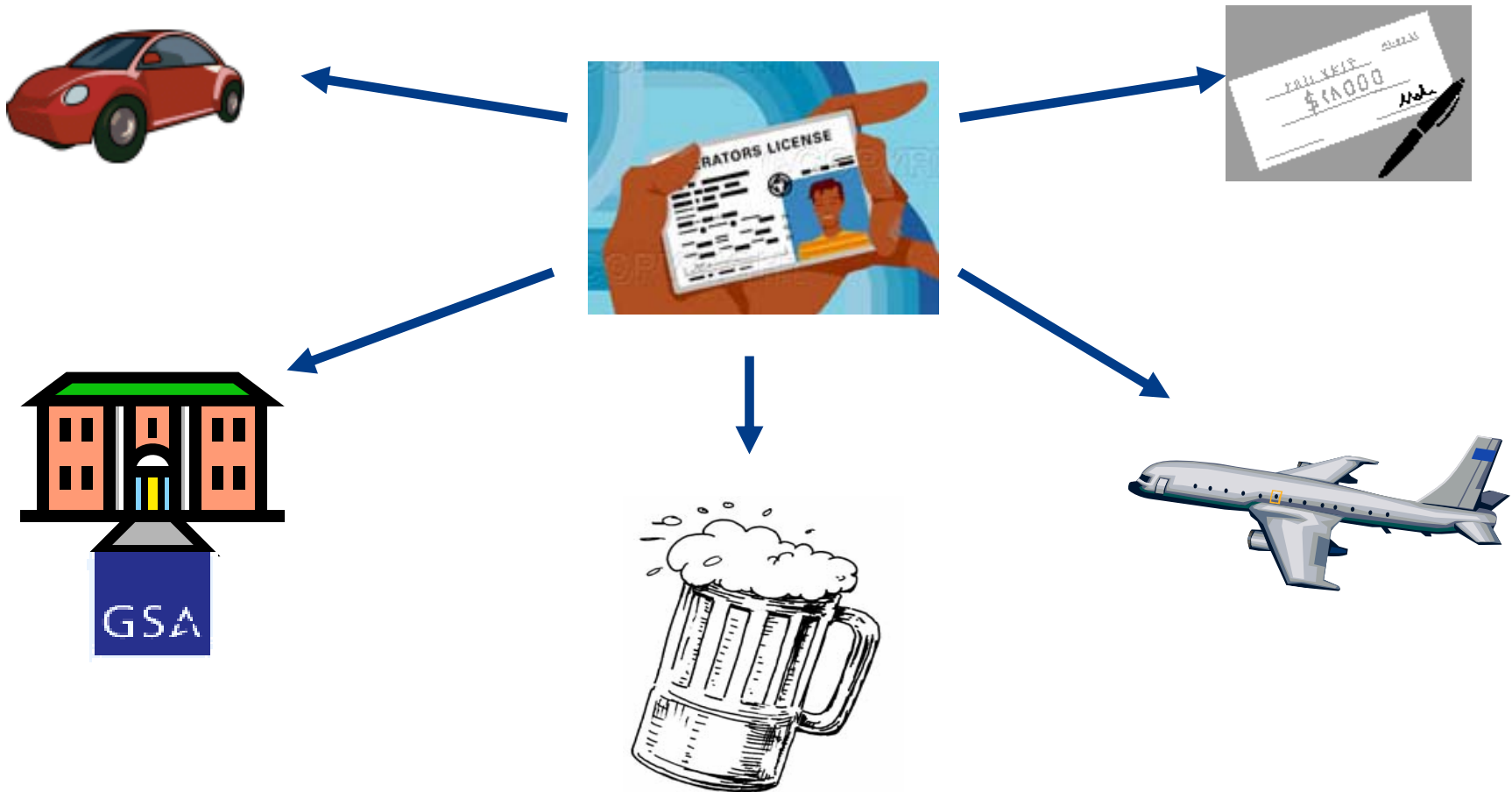
E-Authentication Solutions Benefits

By joining the US E-Authentication Identity Federation:

- Agencies do not have to build their own policy compliant e-authentication solution,
- Citizens accessing multiple Federal web applications do not have to deal with numerous passwords,
- Web application security is maintained,
- Agencies save money!

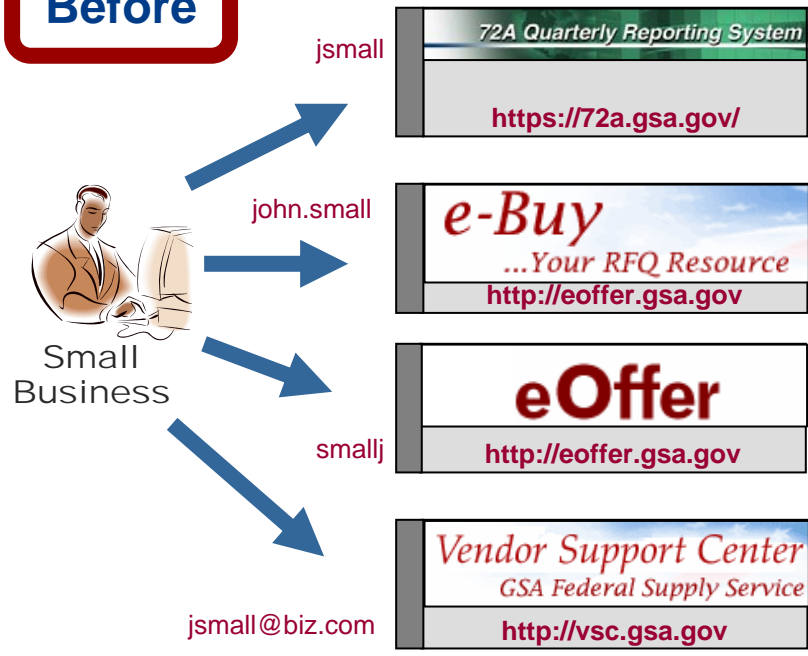
Explaining the US E-Authentication Identity Federation

Federation in the Paper World



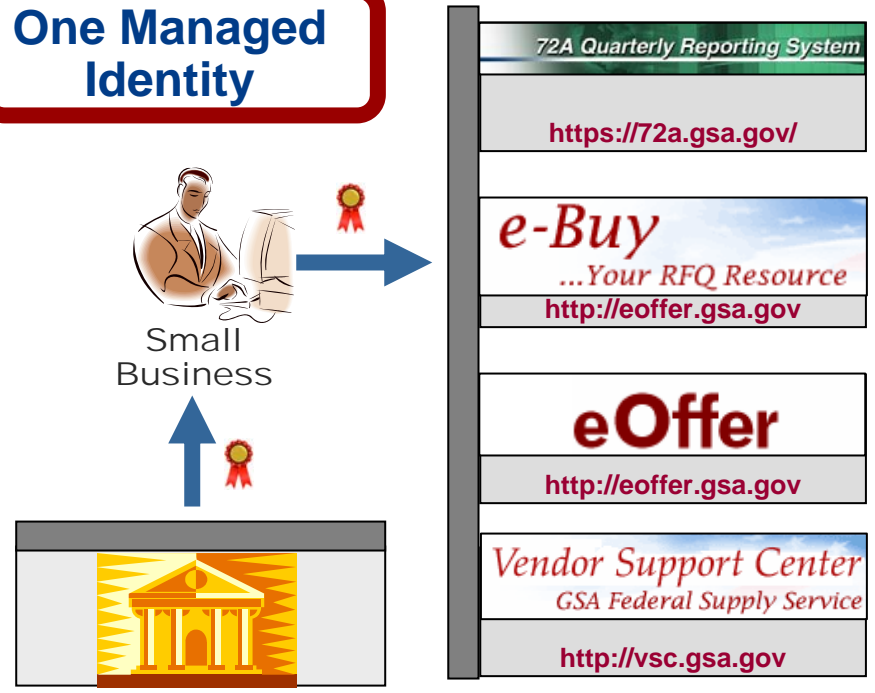
E-Authentication Federation in Action at GSA

Before



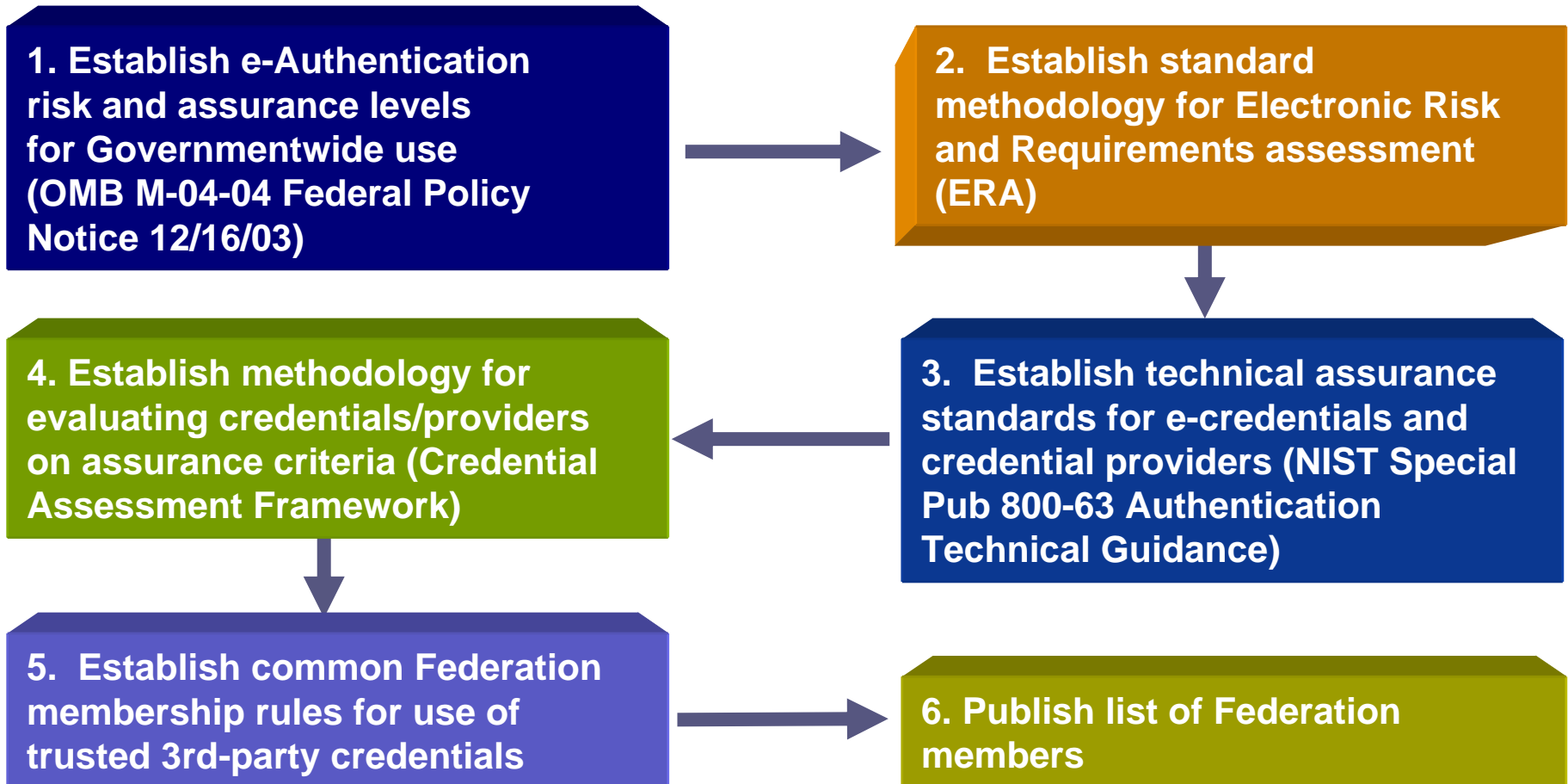
Before E-Authentication Federation:
A **different credential** is required for access to each application

One Managed Identity



After E-Authentication Federation:
Users can choose to use a **single credential**

The Trust Model for Federated Identity



Policy Foundation: OMB Memorandum M-04-04

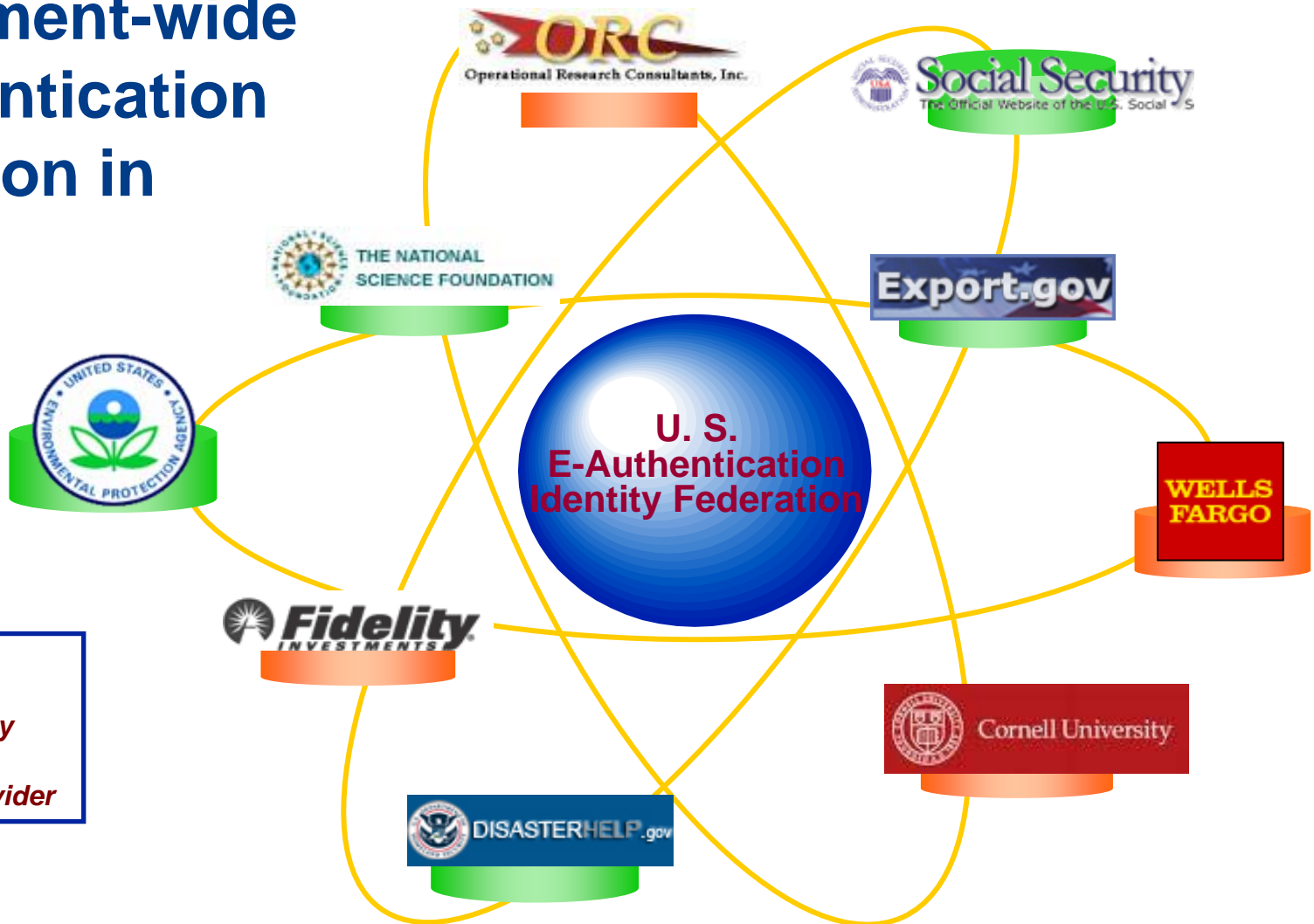
Potential Impact Categories for Authentication Errors (Risk)	Assurance Level Impact Profiles			
	1	2	3	4
Inconvenience, distress or damage to standing or reputation	Low	Mod	Mod	High
Financial loss or agency liability	Low	Mod	Mod	High
Harm to agency programs or public interests	N/A	Low	Mod	High
Unauthorized release of sensitive information	N/A	Low	Mod	High
Personal Safety	N/A	N/A	Low	Mod High
Civil or criminal violations	N/A	Low	Mod	High

Policy Foundation: NIST Special Publication 800-63

Allowed Token Types	Assurance Level Impact Profiles			
	1	2	3	4
Hard crypto token	√	√	√	√
Soft crypto token	√	√	√	
Zero knowledge password	√	√	√	
One-time password device	√	√	√	
Passwords and PIN	√	√		

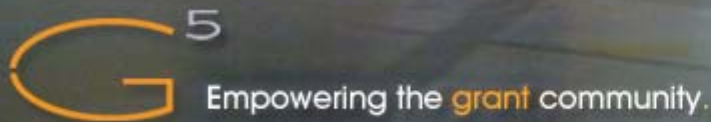
Note: Shaded tokens are not currently in use by the Federation.

Government-wide E-Authentication Federation in Action



E-Authentication Federation Today

- 21 Government Agency Members
- 76 web applications available
- 8 Credential Service Providers



E-Authentication Solution Service Offerings

E-Authentication Solutions: Helping Agencies Meet Their Needs

- **Responsive to the demands of Agency constituents**
 - Move to the Internet
 - Achieve compliance and meet mandates

- **Protect privacy and ensure security**
 - Minimizes amount of personal information each member needs to maintain about a single user
 - Policy mandates privacy and security

- **Do so cost-effectively**
 - Internet approach saves money (compared with using paper & people)
 - Enterprise approaches reduce cost of user administration across agencies

- **Allow Agencies to focus on their mission**
 - Reallocate resources to support mission critical needs
 - Enable new business opportunities, (SSA & Fidelity, Wells Fargo & SBA)
 - Public/private partnerships

Services Available via Federation Membership

Credential Services

- Identity proofing
- Credential issuance
- Credential life-cycle management services
- Value-added authentication services agencies need to authenticate users of their applications
 - Managed Validation and Translation Service (MVTs)
 - enables PKI certificates to be validated
 - enables PKI certificates to be validated and translated to use for access to assertion-based (SAML) applications

Integration and Technical Support Services

Basic - technical baseline planning, support for product selection, setup of test environment, acceptance testing, node connection testing, on-boarding services, and deploy E-Authentication

Preferred - technical baseline planning, support for product selection, setup of test environment, vendor testing MVTs, on-boarding services and deploy E-Authentication

Premium Services - all of the above plus services such as support to develop a detailed project plan; assess risks; select a technical approach; select approved products, integration services, and credential service providers; and deploy E-Authentication

E-Authentication Solutions and Smart Cards

E-Authentication solutions facilitates the use of **PIV 2 cards** for **logical access** to Federal Government applications.

E-Authentication Solutions **extends** the usage of smart cards.

For More Information

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