Break Out Session Table 8
Feedback: See Slides 6, 8

# Toward Realizing a Collaborative Open Digital Ecosystem (CODE)

AIAA SciTech 2026 – WORKSHOP
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Hyatt Regency Orlando, Regency Ballroom O&P
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# Workshop Breakout Sessions

Articulating status, gaps & roadmap to realization of the CODE vision

*(7:00PM – 8:45PM ET)*

# Breakout Context – Objectives Alignment

## Overall Purpose

Realize a **Collaborative Open Digital Ecosystem (CODE)** enabling the design, development, and rapid delivery of certifiable, mission-capable aerospace and defense systems at the speed and scale of need.

## Today's Goal

Progress Gov't & Industry alignment on what this CODE vision is, what it needs to provide & how we move out toward realizing an open, trusted, and scalable digital ecosystem which enables cross lifecycle and cross organizational collaboration to realize the above purpose.

## Target Outcomes

- **Vision Alignment** - Communicating a vision for a future Collaborative Open Digital Ecosystem **– VOC briefings**
- **Status & Gap Articulation** - Identifying status & gaps to realizing the CODE vision **– Breakout 1 Focus**
- **Roadmap to Realization** - Proposing a roadmap of tangible activities to realize the CODE vision within 2 years **– Breakout 2 Focus**

# Breakout Context – Terms of Engagement

**Be present** … phones & computers off

**Be respectful** … and be 100% honest

**No posturing** … help move the needle for Aerospace Industry at large

**Chatham House Rule applies here …**

*"Participants are free to use the information received, but neither the identity nor the affiliation of the speaker(s), nor that of any other participant, may be revealed"*

*Chatham House Rule | Chatham House – International Affairs Think Tank*

***Roll up your sleeves … it's time to get started!***

# Breakout 1 – Status & Gap (Context)

For your table's assigned platform category and theme / splinter area …

Leverage the VOC briefings, table resources & and your experience/expertise to complete the following:

1. **Current State:** Define current state of digital collaboration (3-5 key points)
2. **Future State:** Define the future state CODE vision (3-5 key points)
3. **Gaps Assessment:** Define the top 3-5 gaps (and objectives) to realize the CODE vision.

Table Team: # 8
Platform Focus: Mass
Splinter Focus: Trust

# Breakout 1 – Status & Gap (Feedback Template)

## Current State / Pain Points

- Very suboptimal development
- Too much labor and time, getting worse
- Trust negatively impacted by stovepipes
- AI not yet well trusted or trustable

## Future State / CODE Vision

- Trusted inter-operable development with knowledge parity
- Consistency managed information
- Certifiable optimality—certain enough but not more

## Gap Assessment & Prioritization

- Define DE Ecosystem as a formal subsystem of the innovation ecosystem—bigger than an enterprise.
- Trusted reusable model-based patterns for engineered systems and the innovation ecosystem.
- Models and their access and views suited to the background of their users needing information.

## Objectives for Gap Closure

- Address the life cycle uses of models
- Efficient and agile development optimized for system outcomes
- Standardized data collaboration infrastructures

# Breakout 2 – Roadmap to Realization (Context)

For your table's assigned platform category and theme / splinter area …

Leverage the VOC briefings, table resources & and your experience/expertise to complete the following:

1. **Define Required Outcomes –** Per break-out 1, articulate outcomes that the roadmap must deliver to realize the desired CODE vision over next 2 years.
2. **Propose Tasks / Deliverables –** Prioritize high-impact tasks/deliverables to drive realization of the noted outcomes/requirements over next 2 years.
3. **Sequence & Ownership –** Sequence prioritized tasks in a 2-year roadmap for your table's focus area and propose tentative owners for each.

Table Team: # 8
Platform Focus: Mass
Splinter Focus: Trust

# Breakout 2 – Roadmap to Realization (Feedback Template)

## Define Required Outcomes

- Continuous Collaboration between acquirers, suppliers, and operators

## Proposed Tasks / Deliverables (with owners)

- ID and convene tool developers
- Establish framework for trust based on managed consistencies
- Case studies of commercial ecosystems' management of uncertainty (owned by DEIC, professional societies, academia)

## Roadmap to Realization

- Q1 ID software teams; commercial studies
- Q2 ID consistency management framework
- Q3 Perform case studies
- Q5 Publish papers to justify continued investment and action
- Q6 Prototype with academia (e.g., GTRI, CSER)
- Q7 Publish prototype-tested standards, reference architectures that include uncertainty in mass production




# Thank You



