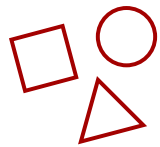


VCAT Briefing: Artificial Intelligence

Elham Tabassi
Associate Director for Emerging Technologies
Information Technology Laboratory

NIST AI Program



CONDUCT FOUNDATIONAL RESEARCH TO ADVANCE TRUSTWORTHY AI TECHNOLOGIES



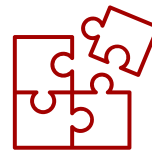
ADVANCE AI RESEARCH AND INNOVATION ACROSS THE NIST LABORATORY PROGRAMS



ESTABLISH BENCHMARKS AND DEVELOP METRICS TO EVALUATE AI TECHNOLOGIES



PARTICIPATE AND LEAD IN THE DEVELOPMENT OF STANDARDS TO ADVANCE AI INNOVATION



CONTRIBUTE NIST'S TECHNICAL EXPERTISE TO DISCUSSIONS AND DEVELOPMENT OF POLICIES



ENSURE THAT NIST HAS RESOURCES AND EXPERTISE TO CARRY OUT ITS AI PROGRAMS

Trustworthy and Responsible AI @ NIST

Cultivate trust in the design, development, use and governance of artificial intelligence technologies and systems.



Guidance and Tools

AI Risk Management Framework, AI Standards



Research and development

National AI Institute on Trustworthy AI (TRAILS)



Lead and Convene

National AI Advisory Committee, international engagements, and more.

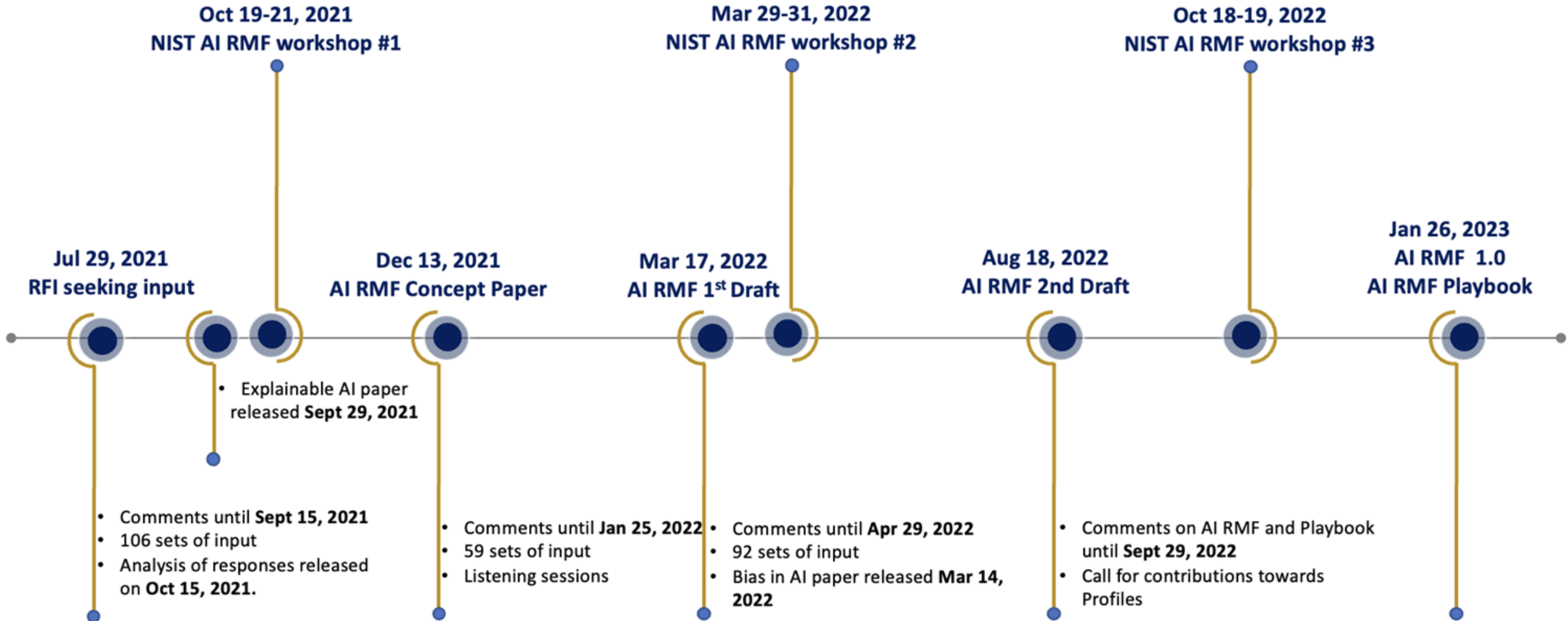


NIST AI Risk Management Framework



A voluntary resource for organizations designing, developing, deploying, or using AI systems to manage AI risks and promote trustworthy and responsible AI

THE PATH TO AI RMF 1.0





Perspectives about NIST AI RMF



“Google congratulates NIST on the release of its AI Risk

Partnership on AI

“The automotive industry

“The Federation of American Scientists is pleased to see the National Institute of Standards and Technology's release of the AI Risk Management Framework (AI RMF 1.0). We believe that

“IBM applauds NIST on the release of the AI Risk Management

“Credo AI welcomes the release “The Bipartisan Policy Center is pleased to see

“On behalf of Amazon Web Services, I would like to commend the NIST

We support the AI RMF and look forward to its continued development to benefit our research community, as well as for society as a whole.”

National Science Foundation

David Danks, UC San Diego Halicioğlu Data Science Institute (HDSI) and Department of Philosophy professor

“The National Fair Housing Alliance (NFHA)

Applauds NIST on the launch of its AI Risk Management Framework (AI RMF 1.0) which I

“The Center for Security and Emerging Technology (CSET),

We appreciate the opportunity to engage with M forward to working with BSA members to deter practices to advance consistent approaches around

BSA | The Software Alliance

Special Competitive Studies Project

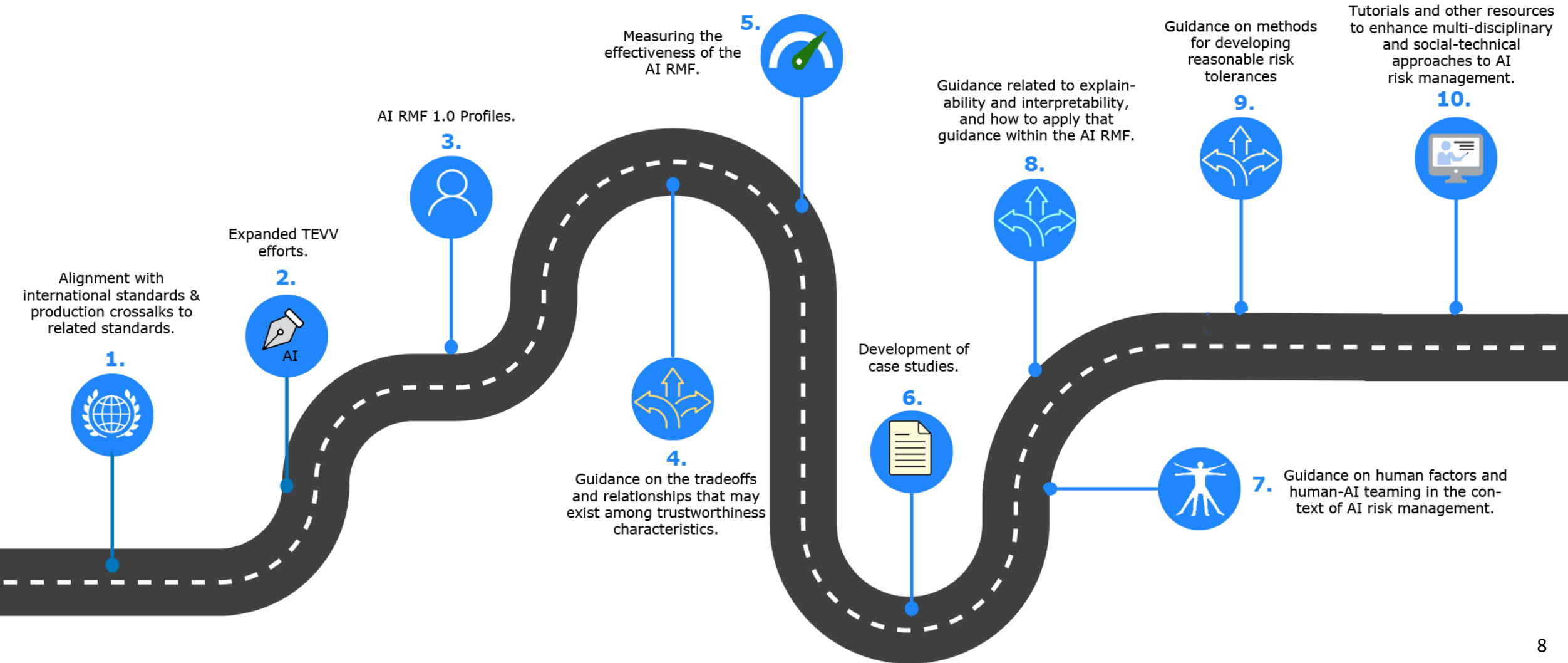
“The Chamber appreciates

“The NIST AI Risk Management Framework represents a collaborative, thoughtful approach to addressing the socio-technical nature of AI systems.

Natasha Crampton, Chief Responsible AI Officer – Office for Responsible AI, Microsoft

CTIA applauds NIST

AI RMF Roadmap



NIST TRUSTWORTHY AI RESOURCE CENTER



**AI RMF
PLAYBOOK**



**AI RMF
PROFILES**



**AI RISK
GLOSSARY**



**AI METRICS
HUB**



...AND MORE
airc.nist.gov

USG AI Standards Coordinator



Outreach to connect with all known federal efforts relating to AI standards development and use.



Support and contribute to development of AI standards. Develop crosswalk to international standards.

Trustworthy AI in Law and Society (TRAILS)

*“Today, the ability to measure AI system trustworthiness and its impacts on individuals, communities and society is limited. **TRAILS can help advance our understanding of the foundations of trustworthy AI, ethical and societal considerations of AI, and how to build systems that are trusted by the people who use and are affected by them.**”* Under Secretary of Commerce for Standards and Technology and NIST Director Laurie E. Locascio

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U.S. DEPARTMENT OF COMMERCE

Example of International Engagements



US-UK COOPERATION
ON AI R&D



OECD NETWORK
OF EXPERTS ON AI



TRADE AND TECHNOLOGY
COUNCIL TECHNOLOGY
(STANDARDS, AI)



QUADRILATERAL
SECURITY DIALOGUE
STANDARDS SUB-GROUP

National AI Advisory Committee (NAIAC)



THANK YOU

www.nist.gov/artificial-intelligence
airc.nist.gov