# Open Security Controls Assessment Language (OSCAL)

**Lunch with the OSCAL Developers**

David Waltermire

National Institute of Standards and Technology

# Teleconference Overview

- Ground Rules
- OSCAL Status Summary (5 minutes)
- Question and Answer / Discussion
  - Submitted questions will be discussed
  - The floor will be open for new questions and live discussion

# OSCAL Lunch with the Developers

## Purpose:

- Facilitate an open, ongoing dialog with the OSCAL developer and user communities to promote increased use of the OSCAL models

## Goals:

- Provide up-to-date status of the OSCAL project development activities
- Answer questions about implementing and using the OSCAL models, and around development of OSCAL model-based content
- Review development priorities and adjust priorities based on community input
- Help the OSCAL community identify development needs

# Ground Rules

- Keep the discussion respectful
  - Using welcoming and inclusive language
  - Being respectful of differing viewpoints and experiences
  - Gracefully accepting constructive criticism
  - Focusing on what is best for the community
  - Wait for one speaker to finish before speaking - one speaker at a time
- Speak from your own experience instead of generalizing ("I" instead of "they," "we," and "you").
- Do not be afraid to respectfully challenge one another by asking questions -- focus on ideas.
- The goal is not to always to agree -- it is to gain a deeper understanding.

# OSCAL Version 1 Milestones

| Milestone | Focus | Sprints | Status | Date |
|---|---|---|---|---|
| **Milestone 1** | Catalog and Profile Models | **1** to **21** | **Completed** | **6/15/2019** |
| **Milestone 2** | System Security Plan (SSP) Model | **6** to **23** | **Completed** | **10/1/2019** |
| **Milestone 3** | Component Definition Model | **6** to **~30** | **Completed** | **May 2020** |
| **Release Candidates** | Provide a web-based specification / Model Improvements | **24** to **~35** | **In Progress** | **~December 2020** |
| **Full Release** | Based on Community Feedback | **34** to **36** | Planned | **By end of 2020** |
| **Ongoing Maintenance** | Minor and bugfix releases as needed | Additional Sprints | Planned | Ongoing |

**Current Sprint:** 37 (https://github.com/usnistgov/OSCAL/projects/36)
**All Current NIST OSCAL Work:** https://github.com/orgs/usnistgov/projects/9

# Progress towards the Release Candidate

https://github.com/usnistgov/OSCAL/tree/metaschema-m4-integration

## Work Completed

- **Improved all model overviews**
- **All models have been upgraded to Metaschema M4 revision**
- **Schema Production**
- **Content Converter Production**
- **Significant model changes**

## Work Remaining

- **Correlation constraints (need review)**
- **Generalize allowed values from FedRAMP**
- **Generation of Model and model outline documentation**
  - **Hugo integration**
  - **XML docs**
  - **JSON docs**
- **Addressing remaining model issues**
- M3 -> RC1 content updater
- Update existing content in oscal-content GitHub repo

**OSCAL 1.0.0 RC1 Milestone:** https://github.com/usnistgov/OSCAL/milestone/8

# Reasons for delay of OSCAL 1.0.0 RC1

- Received a good amount of community feedback on the OSCAL models
  - We have a very engaged community. This is a good thing.
  - Currently working through this feedback
- Work on the final SP 800-53 rev 5 and SP 800-53B content
- Focus on improving generated XML and JSON documentation
- Work on making all OSCAL models consistent

**All of this will result in a better OSCAL 1.0.0!**

# Review of Current/Completed Work

On Github: https://github.com/usnistgov/OSCAL

# Help Needed

- Please review pull requests and comment on issues you are interested in.
- Need more model review: schemas, documentation gaps, etc.

# Open Floor

What would you like to discuss?

What questions do you have?

Should we be covering anything differently?

# Thank you

**Next Lunch with Devs:**

January 14th, 2020

12:00 Noon EST (4:00 PM UTC)

**OSCAL Repository:**
https://github.com/usnistgov/OSCAL

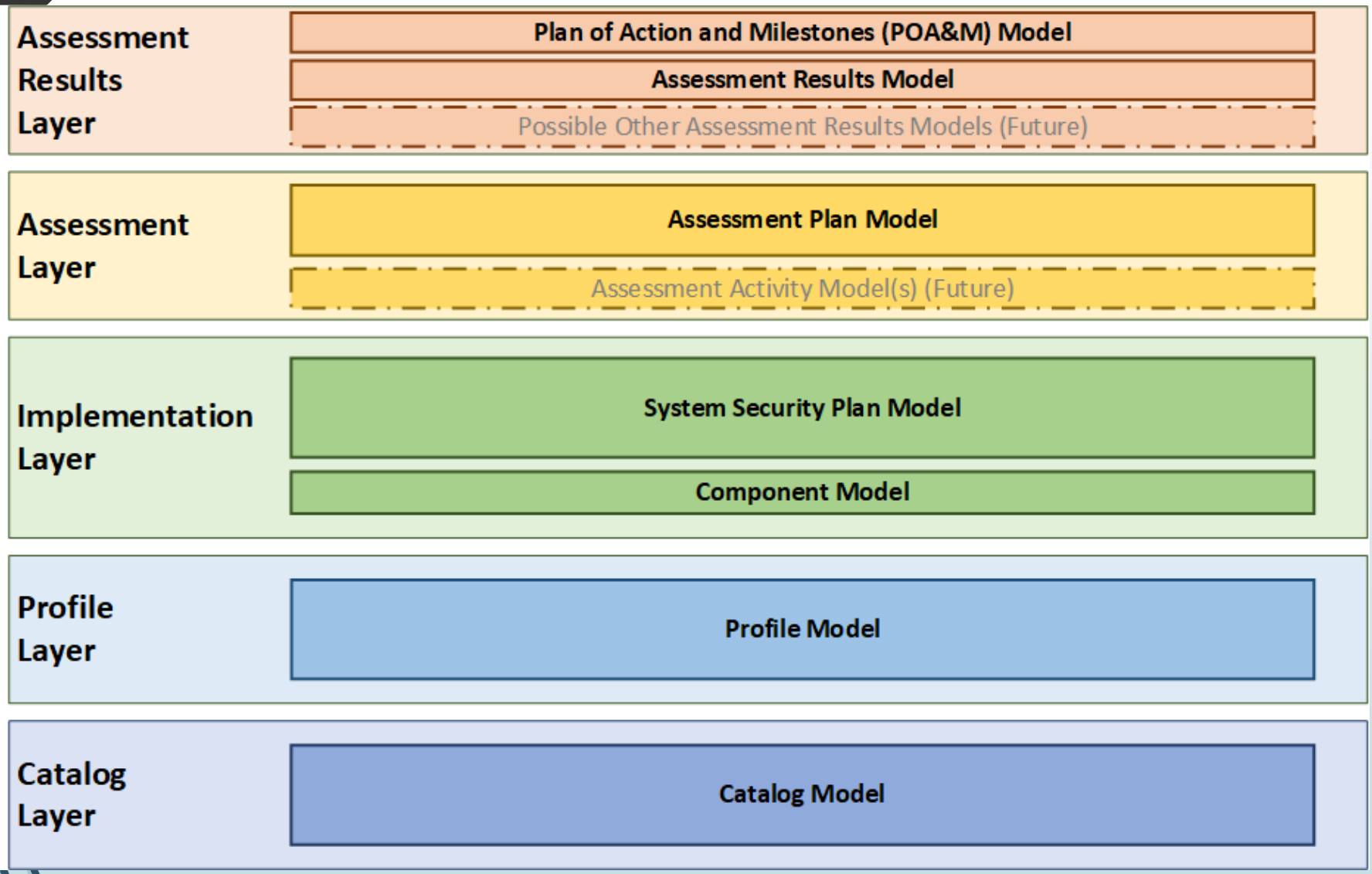
**Project Website:**
https://www.nist.gov/oscal

**How to Contribute:**
https://pages.nist.gov/OSCAL/contribute/

**Contact Us:** oscal@nist.gov

**On Gitter:**
https://gitter.im/usnistgov-OSCAL/Lobby

# Three New OSCAL Models




**POA&M**

- Based on FedRAMP POA&M

**Assessment Results**

- Based on FedRAMP Security Assessment Report (SAR)

**Assessment Plan**

- Based on FedRAMP Security Assessment Plan (SAP)