

# Enabling Regulatory Compliance for Software Engineering

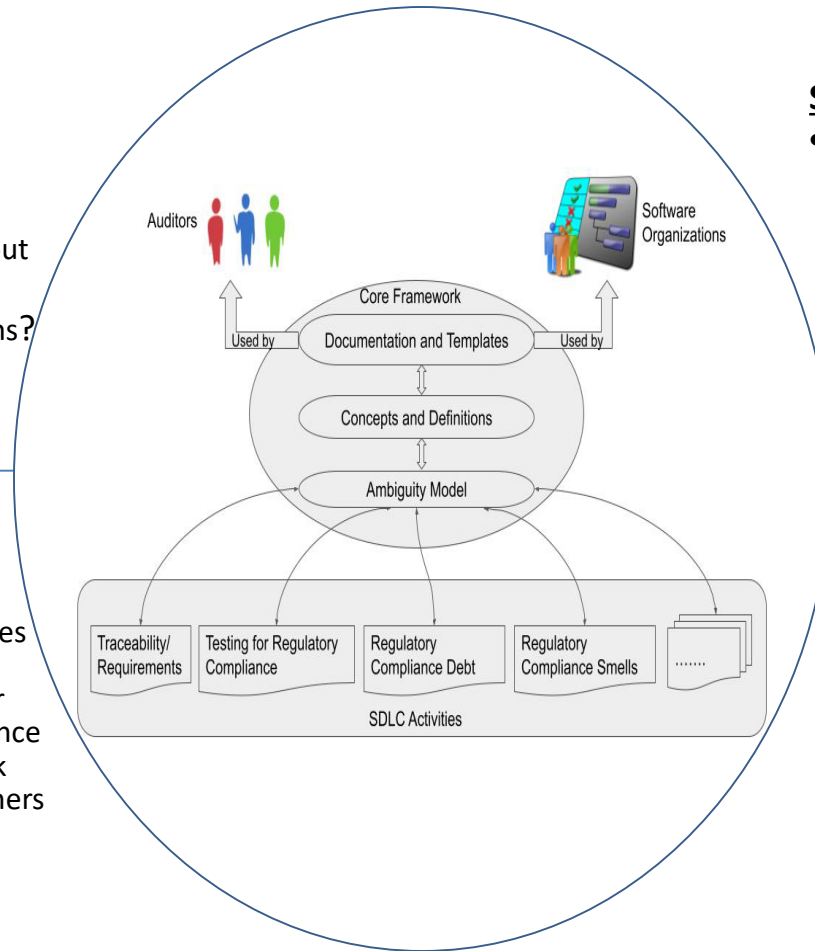


## Challenge:

How can software engineers incorporate and demonstrate regulatory compliance throughout the design, development, and maintenance of software systems?

## Solution:

- Core framework of definitions, concepts, models, and templates for regulatory compliance
- Focus on gaps in techniques for software testing and maintenance
- Iterative evaluation of our work from a community of practitioners



## Scientific Impact:

- A software development methodology, with supporting techniques, for regulatory compliance that allows software providers to
  - manage regulatory compliance during software development and
  - demonstrate their approach towards compliance at each stage of the SDLC.

## Broader Impact and Broader Participation:

- Potential impacts on software used in any regulated domain (e.g., health care, finance, etc.) touching all aspects of society.
- The training of future researchers and incorporation of results in security and privacy courses
- UMBC is an R1 Minority-serving institution