### Directives of Communicability

Adriana Lopes Damian¹, Edson Oliveira², Tayana Conte¹, Clarisse Sieckenius de Souza³

1. Federal University of Amazonas (Manaus/Brazil)
2. SEFAZ-AM (Manaus/Brazil)
3. PUC-Rio (Rio de Janeiro/Brazil)

adriana@icomp.ufam.edu.br, edson.cesar@sefaz.am.gov.br, tayana@icomp.ufam.edu.br, clarisse@inf.puc-rio.br

Communication failures mediated by software models may generate inconsistencies in software behavior, generating rework to correct them later.

- A model can provide less information than necessary, or be expressed using ambiguous representations. Both problems may impair the model consumer’s understanding.

Using the Directives of Communicability - e.g. for Class Diagrams

**DC1 “Say the truth!”** - Use true information. Do not use information that affects the quality of the model

**DC2 “Say what is needed and no more than necessary”** - Use the necessary content in the template. Do not use unnecessary content in the model

**DC3 “Say it logically”** - Organize the information in the model consistently

**DC4 “Say it clearly”** - Organize the information in the model clearly

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**DC1 “Say the truth!”**

- Classes that are not part of the problem domain
- Attributes that are not part of the problem domain

**DC2 “Say what is needed and no more than necessary”**

- Classes not relevant to the problem domain
- Attributes not relevant to the problem domain

**DC3 “Say it logically”**

- Classes with ambiguous descriptions
- Relationships without descriptions can be difficult to understand

**DC4 “Say it clearly”**

- Communication between model producers and consumers