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UAF Issue – Non-Security Risks

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Non-Security Architectural Risks

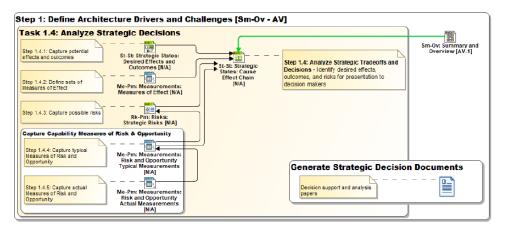


Figure 4:10 - Step 1.4: Analyze Strategic Decisions

- Risk is generic for the architecture
- How should we capture non-security architectural risks in the UAF Framework
- EA Guide discusses the capture of non-security architectural risks at various levels of the AD
 - Unclear how to capture Rk-Pm Strategic Risk
 - Similar issue at other levels of the AD

Risk

Package: Parameters

isAbstract: No

Generalization: PropertySet, Block

Extension: Class

Description

A type that represents a situation involving exposure to danger of AffectableElements (e.g., Assets, Processes, Capabillities, Opportunities, or Enterprise Goals) where the effects of such exposure can be characterized in terms of the likelihood of occurrence of a given threat and the potential adverse consequences of that threat's occurrence.

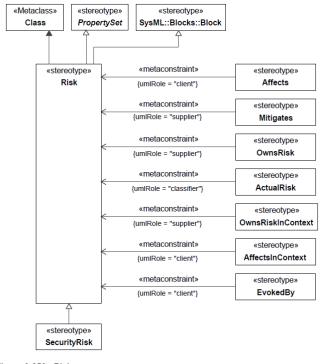
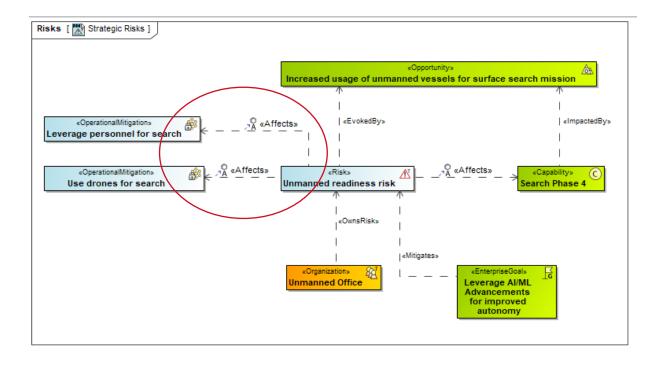


Figure 3:256 - Risk



Search and Rescue Example (Cameo 2022x)

- Should an Operational Mitigation "mitigate" a Risk?
- UAFML / DMM constrained such that a Security Control is the primary element that mitigates a Risk
 - This is too limiting since the AD should capture risks at all levels of abstraction including non-security risks
 - Through refactoring I was able to get 2022x to allow an Enterprise Goal to mitigate a Risk (does not work in 2021x)
- Affects relationship for Operational Mitigation seems odd





Parameters: Risk possible changes

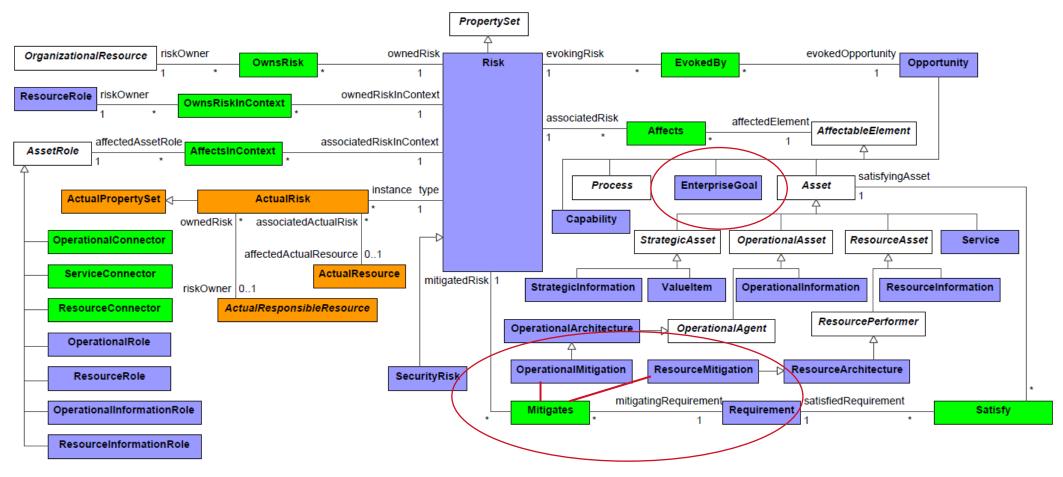


Figure 8:91 - Parameters: Risk

