Here is the security case hierarchy presented for ACAS Xu (Airborne Collision Avoidance System Xu), based on the provided predicates and structured in a hierarchical tree format. This outline addresses the instantiation and further develops the assurance case elements:

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- Goal (G0, "ACAS Xu satisfies security requirements")

- Context (C0, "Description of ACAS Xu")

- Context (C1, "SRs are requirements about protecting the system from malicious entities")

- Justification (J0, "The argumentation is based on satisfaction of SRs")

- Assumption (A0, "System SRS are complete, adequate, and consistent")

- Strategy (S0, "Argue through asset protection and secure development requirements")

- Goal (G1, "ACAS Xu satisfies the asset protection requirements")

- Assumption (A1, "Asset inventory is established")

- Strategy (S1, "Argue through the different stages of the system development life cycle")

- Goal (G3, "Asset protection requirements are met during the architecture design phase")

- Context (C2, "Description of the ACAS Xu architecture")

- Strategy (S2, "Argue through deriving security threats from SRs")

- Goal (G5, "ACAS Xu architecture is protected against identified security threats")

- Assumption (A2, "All relevant threats have been identified")

- Strategy (S3, "Argue over each security threat")

- Goal (G0.X, "ACAS Xu architecture is protected against undetermined security threats")

- \*Undeveloped and Uninstantiated [Placeholder for future security threats]\*

- Goal (G6, "ACAS Xu architecture is validated")

- Assumption (A3, "{System} architecture model is well defined in {formal method}")

- Context (C3, "Description of ACAS Xu architecture model")

- \*Undeveloped and Uninstantiated\* [\*Description of validation methods in future\*]

- Justification (J1, "Detection and mitigation of threats fulfill SRs")

- \*Undeveloped\* (G4, "Asset protection requirements are met during other phases")

- Goal (G2, "ACAS Xu satisfies secure development requirements")

- \*Undeveloped and Uninstantiated\* [\*Further details pending\*]

```

\*\*Notes and Considerations:\*\*

1. The use of placeholders (`{}`) and annotations such as "Undeveloped" and "Uninstantiated" indicates areas requiring further specification or areas that are deliberately left open for future expansion. These also guide the instantiation process for a real implementation.

2. Predicates like `SupportedBy` and `IncontextOf` are used implicitly in the hierarchy to explain how each goal or strategy is supported or contextualized by other elements.

3. The structure attempts to capture a comprehensive security assurance picture for ACAS Xu, from overarching security requirements down through strategies and context-specific assumptions and justifications.