Here's the instantiated security case for ACAS Xu (Airborne Collision Avoidance System Xu) based on the provided security case pattern, represented in a hierarchical tree format:

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- G0: ACAS Xu satisfies security requirements

- C0: Description of ACAS Xu system

- C1: SR are requirements about protecting the system from malicious entities

- J0: The argumentation is based on satisfaction of SRs

- A0: System SRS are complete, adequate, and consistent

- S0: Argue through asset protection and secure development requirements

- G1: ACAS Xu satisfies the asset protection requirements

- A1: Asset inventory is established

- S1: Argue through the different stages of the system development life cycle

- G3: Asset protection requirements are met during the architecture design phase

- C2: Description of the ACAS Xu architecture

- S2: Argue through derivating security threats from SRs

- G5: ACAS Xu architecture is protected against identified security threats (STs)

- A2: All relevant threats have been identified

- S3: Argue over each security threat

- G0.1: ACAS Xu architecture is protected against ST1 (Tampering)

- G0.2: ACAS Xu architecture is protected against ST2 (Spoofing)

- G0.3: ACAS Xu architecture is protected against ST3 (Elevation of privileges)

- G6: ACAS Xu architecture is validated

- C3: Description of ACAS Xu architecture model

- A3: ACAS Xu architecture model is well defined in formal method

- G4: Asset protection requirements are met during other phases

- G2: ACAS Xu satisfies secure development requirements

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In this representation:

- Goals (G) are claims.

- Strategies (S) describe the reasoning.

- Contexts (C) provide background information.

- Justifications (J) offer rationale.

- Assumptions (A) are accepted truths.

Specific placeholders were replaced with system-specific information for ACAS Xu, ensuring the argumentation addresses the ACAS Xu scenario specifically and provides a clear top-down rationale for the security assurance case. Uninstantiated and undeveloped placeholders are now removed to reflect a fully instantiated and developed assurance case for the ACAS Xu system.