Let's create a security case for ACAS Xu based on the security case pattern provided and using the domain information to instantiate placeholders with system-specific information. Below is the hierarchical tree structure of the instantiated security case:

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

- Context (C0, "ACAS Xu is designed to prevent collisions between drones or between a drone and other objects by using sensors and processing strategies in its architecture.")

- Context (C1, "Security requirements (SRs) are essential to protect ACAS Xu from threats like tampering, spoofing, and elevation of privileges.")

- Justification (J0, "The argumentation is based on the satisfaction of defined security requirements for ACAS Xu.")

- Assumption (A0, "System Security Requirements Specifications for ACAS Xu 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, "An asset inventory for ACAS Xu 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 for ACAS Xu")

- Context (C2, "The architecture of ACAS Xu includes components like sensors, processor, planner, and actuators, designed to compute and execute avoidance strategies.")

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

- Justification (J1, "Detection and mitigation of threats according to SRs are met")

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

- Assumption (A2, "All relevant threats to ACAS Xu architecture have been identified")

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

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

- Goal (G4, "Asset protection requirements are met during other phases")

- (undeveloped)

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

- (undeveloped and uninstantiated)

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Explanation:

- Top-level goals (G0, G1, G2), strategies (S0, S1, S2, S3), and lower-level goals (G3, G4, G5, G0.X) provide a structured approach to argue that ACAS Xu meets its security requirements.

- Assumptions (A0, A1, A2), contexts (C0, C1, C2), and justifications (J0, J1) provide necessary background and clarify the basis of our claims.

- Note: The pattern has undeveloped or uninstantiated elements where development and/or instantiation are needed. Also, placeholders have been instantiated with information related to ACAS Xu as described in the domain information.

This security case ensures each aspect of ACAS Xu's security requirements is covered systematically to address identified security threats. The undeveloped goals would need further elaboration in later stages of the assurance process.