Based on the predicates for the security case pattern provided and the specific domain information for ACAS Xu, the instantiated security case for ACAS Xu is structured as follows:

- \*\*G0\*\*: ACAS Xu satisfies security requirements

- \*\*C0\*\*: ACAS Xu, a collision avoidance system for UAVs

- \*\*C1\*\*: Security requirements (SR) are devised to protect ACAS Xu from malicious entities

- \*\*J0\*\*: The argument is based on the 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 ACAS Xu architecture

- \*\*S2\*\*: Argue through deriving security threats from SRs

- \*\*J1\*\*: Detection and mitigation of threats fulfill 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 (ST1, ST2, ST3)

- \*\*G0.1\*\*: ACAS Xu architecture is protected against Tampering (GPS and Processor)

- \*\*G0.2\*\*: ACAS Xu architecture is protected against Spoofing (Sensors and Processor)

- \*\*G0.3\*\*: ACAS Xu architecture is protected against Elevation of Privileges (Planning System)

- \*\*G6\*\*: ACAS Xu architecture is validated

- \*\*C3\*\*: Description of ACAS Xu architecture model

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

- \*\*G4\*\*: Asset protection requirements are met during other phases (undeveloped)

- \*\*G2\*\*: ACAS Xu satisfies secure development requirements (undeveloped and uninstantiated)

This security case for ACAS Xu is formatted in a hierarchical tree structure to ensure a clear visual representation of how the goals are connected through strategies and supported by contexts, justifications, and assumptions at each level of the security case development. Each goal and its corresponding support structure are developed step-by-step, taking into account both asset protection and secure development requirements. Each stage of the development life cycle is scrutinized to ensure thorough coverage of necessary security measures against identified threats, fulfilling the overall goal of securing ACAS Xu.