To create a security case for the Airborne Collision Avoidance System Xu (ACAS Xu) using the provided assurance case pattern, we need to instantiate placeholders with specific information about ACAS Xu and remove pattern-specific decorators. The instantiated format of the tree will look as follows:

- \*\*Goal (G0)\*\*: ACAS Xu satisfies security requirements

- \*\*Context (C0)\*\*: Description of ACAS Xu

- \*\*Context (C1)\*\*: SR 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 architecture

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

- \*\*Justification (J1)\*\*: Detection and mitigation of threats fulfill SRs

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

- \*\*Assumption (A2)\*\*: All relevant threats have been identified

- \*\*Strategy (S3)\*\*: Argue over each security threat

- \*\*Goal (G0.X)\*\*: ACAS Xu architecture is protected against STX

- \*\*Goal (G6)\*\*: ACAS Xu architecture is validated

- \*\*Context (C3)\*\*: Description of ACAS Xu architecture model

- \*\*Assumption (A3)\*\*: ACAS Xu architecture model is well defined in {formal method}

- \*\*Goal (G4, UNDEVELOPED)\*\*: Asset protection requirements are met during other phases

- \*\*Goal (G2, UNDEVELOPED)\*\*: ACAS Xu satisfies secure development requirements

In this format:

- The \*\*uninstantiated\*\* and \*\*undeveloped\*\* decorators as well as \*\*placeholders\*\* have been removed and replaced with specific information where applicable.

- Consistent with GSN guidelines, only the tree-representation is listed without representation of elements like loops or alternative paths which might appear visually in diagrams.

The \*\*uninstantiated\*\* decorator was applicable for transitioning from a generic assurance case pattern to a specific assurance case for ACAS Xu but has been removed after instantiation. Similarly, the \*\*undeveloped\*\* decorator was applicable for elements not fully specified; here it's explicitly mentioned in the textual context, not as a decorator, for clarity in the hierarchical tree.