Here's the hierarchical representation of the security case for ACAS Xu using the provided security case pattern predicates:

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G0: ACAS Xu satisfies security requirements

- C0: Description of ACAS Xu

- C1: SRs 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 architecture of ACAS Xu

- - - - S2: Argue through derivating 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

- - - - - - - 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 the formal method

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

- G2: ACAS Xu satisfies secure development requirements (undevelopStantiated)

- G6: ACAS Xu architecture is validated (undevelopStantiated)

- - C3: Description of ACAS Xu architecture model

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

```

In this hierarchical tree representation:

- Each level of indentation represents the depth in the hierarchical structure.

- The placeholders have been instantiated with the relevant domain-specific information for ACAS Xu.

- Undeveloped and undevelopStantiated goals are indicated accordingly where no further details are provided.