Below is the security case for ACAS Xu represented in a hierarchical tree format using dashes (-) to denote different levels:

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- 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 ACAS Xu architecture)

- Strategy (S2, Argue through deriving security threats from 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 (G0.1, ACAS Xu architecture is protected against ST1 - Tampering)

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

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

- 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 a formal method)

- Justification (J1, Detection and mitigation of threats fulfill SRs)

- Goal (G4, Asset protection requirements are met during other phases) [Undeveloped]

- Goal (G2, ACAS Xu satisfies secure development requirements) [UndevelopStantiated]

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In this hierarchical structure:

- Goals (G0.1), (G0.2), and (G0.3) represent specific threats derived from the security requirements for protecting against Tampering, Spoofing, and Elevation of privileges respectively.

- Goals marked as [Undeveloped] or [UndevelopStantiated] are placeholders that are planned but not yet fully developed or instantiated.