To create a security case for ACAS Xu using the given security case pattern predicates, we need to instantiate the placeholders and build the hierarchical tree structure. Below is the instantiated security case for ACAS Xu:

```

- 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)

- 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 (G0.1, ACAS Xu architecture is protected against ST1) (Tampering - GPS sensors and processor)

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

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

- 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, Asset protection requirements are met during other phases)

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

- Undeveloped

```

This hierarchical tree captures the security case for ACAS Xu by instantiating the placeholders to reflect the system's context and threat landscape while adhering to the given security case pattern.