Based on the given predicates, the assurance case for the BlueROV2 system can be created in a hierarchical tree format. Here, the placeholders will be replaced with specific elements related to the BlueROV2 system, taking care that any uninstantiated placeholder and undeveloped elements are appropriately marked.

```

- Goal (G1, Hazards for BlueROV2 system addressed in accordance with ALARP principle.)

- Strategy (S1, Argument by risk reduction/elimination of each hazard)

- Goal (G2, No intolerable risks present in the BlueROV2 system)

- IncontextOf (G2, Definition of "intolerable")

- Strategy (S2, Argue that risk posed by any remaining hazards is negligible) (Undeveloped)

- Strategy (S3, Argue that no other risks have been identified) (Undeveloped)

- Goal (G3, Risk from a BlueROV2 hazard has been reduced as low as reasonably practicable)

- IncontextOf (G3, Assigned severity class is BlueROV2 Hazard.Severity)

- Strategy (S4, Apply ReSonAte to estimate level of risk from hazard condition in BlueROV2)

- Assumption (A1, Function required by BlueROV2 Trace Dependency Model (BTD) is available) (Uninstantiated)

- Goal (G4, Model BlueROV2 Trace Dependency Model (BTD) accurately describes possible propagation of hazard in BlueROV2) (Uninstantiated)

- Goal (G6, Possible hazard propagation paths correctly captured in BlueROV2 Trace Dependency Model (BTD)) (Undeveloped)

- Goal (G7, Barriers in the BlueROV2 Trace Dependency Model (BTD) correctly describe their respective control action including any required system functions) (Undeveloped)

- Goal (G8, All non-negligible threats have been identified) (Undeveloped)

- Goal (G5, Quantitative risk estimates are accurate and below acceptable threshold)

- Goal (G9, State probability distribution used for risk estimation is an accurate representation of expected system states) (Undeveloped)

- Goal (G10, Estimated probability of BlueROV2 consequence is below allowable threshold for severity class) (Uninstantiated)

- Solution (Sn1, Estimated risk level for BlueROV2 system) (Uninstantiated)

```

### Summary of Adjustments:

1. \*\*Replacing placeholders\*\*:

- `{A :: System}` to `BlueROV2 system`

- `{B :: Hazard}` to `a BlueROV2 hazard`

- `{R :: Hazard}` to `hazard in BlueROV2`

- `{S :: BTD}` to `BlueROV2 Trace Dependency Model (BTD)`

- `{C :: Hazard.Severity}` to `BlueROV2 Hazard.Severity`

- `{T: Function}` to `Function required by BlueROV2 Trace Dependency Model (BTD)`

- `{U:: Consequence}` to `BlueROV2 consequence`

- `{V :: attr:RiskEst}` to `Estimated risk level for BlueROV2 system`

2. \*\*Marking elements appropriately\*\*:

- `Uninstantiated`: Marked contexts, assumptions, goals, strategies, and solutions.

- `Undeveloped`: Marked goals and strategies as undeveloped where required.

- Added contextual relationships using `IncontextOf` predicates.

This hierarchical structure display should help guide the construction and understanding of the assurance case for BlueROV2.