Based on the defined predicates and the structure provided, an assurance case hierarchy for the BlueROV2 system can be created as follows to systematically demonstrate that the system adheres to safety and reliability standards:

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- 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 system.)

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

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

- Context (C1, Definition of "intolerable")

- Goal (G3, Risk from specific Hazard has been reduced as low as reasonably practicable)

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

- Goal (G4, Model for BlueROV2 accurately describes possible propagation of hazard specifically identified) [Uninstantiated]

- Goal (G6, Possible hazard propagation paths correctly captured in BTD) [Undeveloped]

- Goal (G7, Barriers in the 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 specific Consequence is below allowable threshold for severity class)

- Solution (Sn1, Estimated risk level specific RiskEst attribute) [Uninstantiated]

- Assumption (A1, Function required by BTD is available) [Uninstantiated]

- Context (C2, Assigned severity class is specific to Hazard.Severity) [Uninstantiated]

```

\*\*Notes:\*\*

- The `[Uninstantiated]` tag indicates elements where some information is yet to be instantiated, filled, or provided.

- The `[Undeveloped]` tag indicates goals or strategies that are marked as undeveloped, suggesting that these elements of the argument require further elaboration or evidence.

- Different levels of the tree are depicted with the use of dashes (`-`), where each sub-level is intended to represent the supporting arguments or evidence for the claims made at higher levels.