Here is the hierarchical tree representation of the assurance case for the BlueROV2 system using the given predicates:

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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.)

- Context (C1, 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 specific hazards has been reduced as low as reasonably practicable)

- Context (C2, Assigned severity class is specific hazard's severity) (Uninstantiated)

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

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

- Goal (G4, Model specific BTD accurately describes possible propagation of hazard specific hazard) (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 specific hazard) (Uninstantiated)

- Solution (Sn1, Estimated risk level specific attr:RiskEst) (Uninstantiated)

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In this representation:

- Undeveloped indicates elements that are not further developed.

- Uninstantiated indicates elements that have placeholders and need to be instantiated.

- Elements with placeholders have been indicated with specific and a descriptor that needs to be instantiated for the specific context of BlueROV2.