To reformulate the provided assurance case pattern specifically for the BlueROV2 system using the predicates defined earlier, placeholders in the original predicates will be instantiated appropriately. The instantiated assurance case will be depicted hierarchically for clarity:

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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 specific hazard condition")

| |-- Goal (G4, "Model accurately describes possible propagation of specific hazard")

| | |-- 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 severe consequence is below allowable threshold for severity class")

| | | |-- Solution (Sn1, "Estimated risk level is below the risk threshold")

| |-- Context (C2, "Assigned severity class is moderate") [Uninstantiated]

| |-- Assumption (A1, "Function required by the BlueROV2 to mitigate the hazard is available") [Uninstantiated]

|-- Context (C2, "Definition of specific hazard severity")

```

### Explanation of the Hierarchical Tree:

- The \*\*root goal G1\*\* starts with the overall assurance objective tailored to the BlueROV2.

- \*\*Strategy S1\*\* captures a high-level plan to address the hazards through risk reduction.

- \*\*G2\*\* expands into two unrevealed strategies (S2 and S3) which are marked undeveloped, meaning they are planned parts of the argumentation but not detailed further.

- \*\*Goal G3\*\* is supported by strategy S4, which calls for a specific risk analysis technique (ReSonAte).

- \*\*S4\*\* branches into goals G4 and G5 detailing modeling and quantitative assessments respectively.

- \*\*G4\*\* presents a more granular view of threat modeling and mitigation through undeveloped goals.

- \*\*G5\*\* logically connects to goals G9 and G10, concluding with specific evidence presented as a solution (Sn1).

Moreover, several components remain uninstantiated and undeveloped, indicating areas where argumentation or evidence may need to be further elaborated or defined in subsequent revisions or developments of the assurance case to live up to assurance needs.