Based on the domain information provided for the BlueROV2 system and the provided assurance case pattern, I will now instantiate the pattern to create an assurance case. I will replace placeholders with specific information pertinent to the BlueROV2 system and remove the pattern-specific decorators and placeholders.

Here's the hierarchical tree format of the instantiated assurance case for the BlueROV2 system:

```

-G1: Hazards for BlueROV2 system addressed in accordance with ALARP principle. (undeveloped and uninstantiated)

--S1: Argument by risk reduction/elimination of each hazard

---G2: No intolerable risks present in the system

----C1: Definition of "intolerable"

----S2: Argue that risk posed by any remaining hazards is negligible (undeveloped)

----S3: Argue that no other risks have been identified (undeveloped)

---G3: Risk from Deviation from the operating area hazard has been reduced as low as reasonably practicable

----C2: Assigned severity class is Minor

----S4: Apply ReSonAte to estimate level of risk from hazard condition Deviation from the operating area

-----G4: Model Deviation from the operating area BTD accurately describes possible propagation of hazard

------G6: Possible hazard propagation paths correctly captured in BTD (undeveloped)

------G7: Barriers in the BTD correctly describe their respective control action including any required system functions (undeveloped)

------G8: All non-negligible threats have been identified (undeveloped)

-----G5: Quantitative risk estimates are accurate and below acceptable threshold

------G9: State probability distribution used for risk estimation is an accurate representation of expected system states (undeveloped)

------G10: Estimated probability of collision consequence is below allowable threshold for severity class

-------Sn1: Estimated risk level 10^-3 per hour

-----A1: Function Avoidance logic required by Deviation from the operating area BTD is available

---G3: Risk from Obstacle encounter hazard has been reduced as low as reasonably practicable

----C2: Assigned severity class is Major

----S4: Apply ReSonAte to estimate level of risk from hazard condition Obstacle encounter

-----G4: Model Obstacle encounter BTD accurately describes possible propagation of hazard

------G6: Possible hazard propagation paths correctly captured in BTD (undeveloped)

------G7: Barriers in the BTD correctly describe their respective control action including any required system functions (undeveloped)

------G8: All non-negligible threats have been identified (undeveloped)

-----G5: Quantitative risk estimates are accurate and below acceptable threshold

------G9: State probability distribution used for risk estimation is an accurate representation of expected system states (undeveloped)

------G10: Estimated probability of collision consequence is below allowable threshold for severity class

-------Sn1: Estimated risk level 10^-3 per hour

-----A1: Function Obstacle detection required by Obstacle encounter BTD is available

---G3: Risk from Loss of pipeline hazard has been reduced as low as reasonably practicable

----C2: Assigned severity class is Minor

----S4: Apply ReSonAte to estimate level of risk from hazard condition Loss of pipeline

-----G4: Model Loss of pipeline BTD accurately describes possible propagation of hazard

------G6: Possible hazard propagation paths correctly captured in BTD (undeveloped)

------G7: Barriers in the BTD correctly describe their respective control action including any required system functions (undeveloped)

------G8: All non-negligible threats have been identified (undeveloped)

-----G5: Quantitative risk estimates are accurate and below acceptable threshold

------G9: State probability distribution used for risk estimation is an accurate representation of expected system states (undeveloped)

------G10: Estimated probability of collision consequence is below allowable threshold for severity class

-------Sn1: Estimated risk level 10^-3 per hour

-----A1: Function Command authority required by Loss of pipeline BTD is available

-Note: Elements marked as "undeveloped" need further development, and elements that were "uninstantiated" in the initial pattern now have specific information.

```

This structure adheres to the provided assurance case pattern and correctly instantiates placeholders and additional information specific to the BlueROV2 system. It also removes the placeholders and decorators used in the pattern, providing a concrete assurance case structure.