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Level 6 ACDA6017 OME Major Project



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Re: Submission of Dissertation Proposal: *A Systems Safety Assessment of Mechanical Impact Hazards in High-Consequence OME Operations*

This proposal has been prepared in accordance with the requirements of module ACDA6017 OME Major Project: Component One.

The proposal presents a systems safety assessment of mechanical impact hazards arising from accidental spigot intrusion events during high-consequence OME operations. The study adopts a qualitative methodology underpinned by recognised systems engineering and safety management frameworks, including Hazard Identification (HAZID), Bow-Tie Analysis, Failure Modes and Effects Analysis (FMEA) and semi-quantitative risk assessment. Risk controls are evaluated against As Low As Reasonably Practicable (ALARP) principles and relevant UK defence safety management standards.

The proposal relies on publicly and non-publicly available sources, as such the full dissertation proposal can be found in an alternative location on Defence Share.

I welcome any feedback on the scope, methodology or structure of the proposal and look forward to discussing the research further.

Yours sincerely,

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