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STATE-OF-THE-ART REVIEW OF VALUE CHAIN MAPPING TECHNIQUES RELEVANT TO THE AEROSPACE INDUSTRY

**INCLUDING A REVIEW OF VALUE CONCEPTS AND VALUE
CHAIN ANALYSIS**

Executive Summary

This document describes value chain concepts and value chain analysis for applications in the aerospace industry, particularly the aero-engine industry. Discussion is made regarding the value chain first proposed by Porter in the mid 1980s for strategy development and how this has evolved to become a framework for value chain formation and for collaboration decisions. A set of tools proposed or used by previous researchers for Value Chain Analysis are described and analysed. It is concluded that no single methodology or approach fully meets the aerospace sector requirements, indicating that the sector has at least some bespoke requirements. A toolkit of methods is needed to support Value Chain Analysis in the sector. A proposal is made for fieldwork to support Value Chain Analysis in the aero engine industry.