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SATAC Knowledge Representation and Automated Reasoning with JC3IEDM

Task 7—Automated Reasoning Capabilities and Limitations of P-JC3IEDM

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Defence R&D Canada – Valcartier

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Abstract

The purpose of this report is to describe the modifications required to P-JC3IEDM to support inferences of operational relevance. The starting point for these modifications is the recommendations that were made in task 4. These recommendations form the basis of changes presented in this document. The changes are implemented in reduced P-JC3IEDM, and analysed in terms of consistency, satisfiability and reasoning.

Résumé

Le but de ce document est de décrire les modifications requises à P-JC3IEDM pour supporter les inférences opérationnellement pertinentes. Les points de départ pour ces modifications sont les recommandations faites dans la tâche 4. Ces recommandations forment la base des changements présentés dans ce document. Les changements sont implantés dans une ontologie réduite de P-JC3IEDM, et analysés en terme de consistance, de satisfaisabilité et de raisonnement.

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