

TECHNICAL REPORT 2003/137

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Grouping Verifiable Content for Selective Disclosure using XML Signatures

*L Bull, D McG Squire, J Newmarch and Y Zheng*

**ABSTRACT**

This paper addresses the issue of selective disclosure of verifiable content. It extends previous work relating to Content Extraction Signatures (CES) [29] and their implementation within the XML Signature specification [10] to implement a more complex structure that encodes a richer, more flexible fragment extraction policy, which includes fragment grouping. The new extraction policy enables the signer to specify both optional and mandatory fragment associations (or groupings) for extracted content. We also show how to implement this policy using the XML Signature specification.