

12TH ICCRTS “Adapting C2 to the 21st Century”

Title of Paper: Developing a Risk Method for analysis of UK Network Enabled Capability

Topics NEC, Risk, Benefits Analysis

Name of Author(s): Peter Harvey & Mark Coleman

Point of Contact Peter Harvey

Name of Organization QinetiQ

Complete Address: QinetiQ, Cody Technology Park, Room 1024, Building A50, Ively Road, Farnborough, Hampshire, GU14 OLX, United Kingdom.

Telephone +44 (0)1252 394614

E-mail Address pjharvey@QinetiQ.com & mlcoleman@QinetiQ.com

Abstract:

“No plan ever survives first contact with the enemy” is an old adage that still remains true. This might be regarded as surprising considering that in the information age, planning is more inclusive and better supported. This paper describes a capability risk method that provides a view of capability considering a complex adaptive enemy that is characteristic of modern warfare. Drawing upon extensions of Benefits Analysis, this paper defines the method used and an example case study to present views the resultant risk portfolio. As part of the reflective process, this paper contributes towards the NEC/NCW literature by presenting “points of principle” that can be applied to C2 metrics, modelling and analysis. This paper concludes by discussing the utility and potential future applications of the method.