



# **JSCSC LIBRARY BIBLIOGRAPHY**

**Research Guide Series**

**Effects Based Warfare**

2011 © JSCSC in partnership with

**serco**

## Effects Based Warfare

Effects Based warfare focuses not only on defeating the opponent's forces, but also seeks to shape their thinking and behaviour. This is achieved by a range of political, economic and military actions, the aim being to induce the opponent, neutral, or ally to pursue a course of action in keeping with the instigators interests.

Information warfare is related to effects based warfare, being the use and management of information in pursuit of a competitive advantage over an opponent. This may involve collection of tactical information, assurance that one's own information is valid, spreading of propaganda or disinformation among the enemy, undermining the quality of opposing force information and denial of information collection opportunities to opposing forces.

Connected to both of these terms is Network Centric Warfare (NCW), or Network Enabled Capability (NEC), the concept of linking all aspects of warfighting in to a shared situation awareness, thereby increasing the power of the military.<sup>1</sup>

---

This bibliography has been designed to provide a guide as to where to find information on effects based warfare. Please note that the list of references below is a selection of the more relevant titles and information on the subject. The list is not intended to be exhaustive or definitive but is an introductory guide to some of the resources available.

### Monographs

Armistead, Leigh (ed.). **Information operations: warfare and the hard reality of soft power.** Dulles, VA: Brassey's, 2004, 277 p.

Arquilla, John, & Borer, Douglas A. **Information strategy and warfare: a guide to theory and practice.** New York: Routledge, 2007, 248 p.

Blaker, James R. **Transforming military force: the legacy of Arthur Cebrowski and network centric warfare.** Westport, CT: Praeger Security International, 2007, 248 p.

Burkett, Wendy J. **Assessing the results of effect-based operations (EBO): the relationship between effects-based operations and the psychological dimension of warfare.** Carlisle Barracks, PA: Army War College, 2003, 34 p.

Butler, Sgt Mat. **Effects-based targeting: the future of targeting for the Royal Australian Air Force.** Canberra, ACT: Air Power Development Centre, 2008, 194 p.

Carr, Jeffrey. **Inside cyber warfare: mapping the cyber underworld.** Sebastopol, CA: O'Reilly Media, 2010, 212 p.

Clarke, Richard A., & Knake, Robert K. **Cyber war: the next threat to national security and what to do about it.** New York: Ecco, 2010, 290 p.

Convertino, Mike, *et al.* **Flying and fighting in cyberspace.** Maxwell Air Force Base, AL: Air War College, 2007, 102 p.

Cornish, Paul, *et al.* **Cyberspace and the national security of the United Kingdom: threats and responses.** London: Royal Institute of International Affairs, 2009, 34 p.

---

<sup>1</sup> Taken from: Smith, Edward A. **Effects Based Operations: applying network centric warfare in peace, crisis and war.** Washington, D.C.: Department of Defense Command & Control Research Program, 2002.

Croser, Caroline. **Organising complexity: modes of behaviour in a networked battlespace.** Working Paper (133). Canberra, ACT: Land Warfare Studies Centre, 2007, 46 p.

Czosseck, Christian, & Geers, Kenneth (eds.). **The virtual battlefield: perspectives on cyber warfare.** Amsterdam: IOS Press, 2009, 305 p.

David, G. J., & McKeldin, T. R. (eds.). **Ideas as weapons: influence and perception in modern warfare.** Washington, D.C.: Potomac Books, 2009, 458 p.

Deakin, Richard S. **Battlespace technologies: network-enabled information dominance.** Boston, MA: Artech House, 2010, 510 p.

De Borchgrave, Arnaud, *et al.* **Force multiplier for intelligence: collaborative open source networks.** Washington, D.C.: CSIS, 2007, 75 p.

Dorman, Andrew. **Transforming to effects-based operations: lessons from the United Kingdom experience.** Carlisle Barracks, PA: Strategic Studies Institute, 2008, 63 p.

English, Allan, & Coombs, Howard (eds.). **Effects-based approaches to operations: Canadian perspectives.** Ottawa: Canadian Department of National Defence, 2008, 256 p.

Finn, Christopher (ed.). **Effects based warfare.** London: The Stationary Office, 2004, 122 p.

Friedman, Norman. **Network-centric warfare: how navies learned to fight smarter through three world wars.** Annapolis, MD: Naval Institute Press, 2009, 360 p.

Gansler, Jacques S., & Binnendijk, Hans (eds.). **Information assurance: trends in vulnerabilities, threats and technologies.** Washington, D.C.: National Defense University, Center for Technology and National Security Policy, 2005, 146 p.

Goldman, Emily O. (ed.). **National security in the information age.** London: Frank Cass, 2004, 238 p.

Gompert, David C., *et al.* **Battle-wise: seeking time-information superiority in networked warfare.** Washington, D.C.: National Defense University Press, 2006, 174 p.

Great Britain. Ministry of Defence. **JSP 777: Network enabled capability.** London: MOD, 2005, 18 p.

Guha, Manabrata. **Reimagining war in the 21st Century: from Clausewitz to network-centric warfare.** London: Routledge, 2011, 232 p.

Hall, Wayne Michael. **Stray voltage: war in the information age.** Annapolis, MD: Naval Institute Press, 2003, 219 p.

Hansbarger, Thomas. **Effects-based targeting: application in Operation Desert Storm and Operation Iraqi Freedom.** Fort Leavenworth, KS: Army Command & General Staff College, 2004, 58 p.

Lim, Soon-Chia. **Network centric warfare: a command and control perspective.** Monterey, CA: Naval Postgraduate School, 2004, 89 p.

- Lindstrom, Magnus. **Use of effects based operations in asymmetric conflicts**. Fort Leavenworth, KS: Army Command & General Staff College, 2004, 89 p.
- Lonsdale, David J. **The nature of war in the information age: Clausewitzian future**. Cass Strategy and History Series (9). London: Frank Cass, 2004, 269 p.
- Loo, Bernard (ed.). **Military transformation and strategy: revolutions in military affairs and small states**. London: Routledge, 2009, 203 p.
- MacDonald, Scot. **Propaganda and information warfare in the twenty-first century: altered images and deception operations**. London: Routledge, 2007, 204 p.
- Malloy, Rodney E. **The fleeting nature of information superiority**. Newport, RI: Naval War College, 2004, 19 p.
- Michael, Alex. **Cyber probing: the politicisation of virtual attack**. Watchfield: Defence Academy, Research & Assessment Branch, 2010, 24 p.
- Mitchell, Paul T. **Network centric warfare: coalition operations in the age of US military primacy**. London: Routledge, 2006, 90 p.
- Mitchell, Paul. **Network centric warfare and coalition operations: the new military operating system**. London: Routledge, 2009, 170 p.
- Michell, Simon (ed.). **NEC: understanding network enabled capability**. London: Newsdesk Communications, 2009, 82 p.
- Murray, Williamson, & Woods, Kevin. **Thoughts on effects-based operations, strategy and the conduct of war**. Alexandria, VA: Institute for Defence Analyses, 2004, 38 p.
- Paul, Christopher. **Information operations: doctrine and practice: a reference handbook**. Westport, CT: Praeger Security International, 2008, 175 p.
- Rickerman, Leonard D. **Effects-based operations: a new way of thinking and fighting**. Fort Leavenworth, KS: Army Command & General Staff College, 2003, 44 p.
- Scherrer, Joseph H., & Grund, William C. **A cyberspace command and control model**. Maxwell Air Force Base, AL: Air University Press, 2009, 47 p.
- Stiennon, Richard. **Surviving cyberwar**. Lanham, MD: Government Institutes, 2010, 170 p.
- Timmerman, Thomas J. **Assessing effect-based operations crucial feedback for the air component commander**. Maxwell Air Force Base, AL: Air Command & Staff College, 2003, 53 p.
- Ventre, Daniel. **Information warfare**. London: ISTE, 2009, 303 p.

#### Periodical Articles

- Betz, David J. *The more you know, the less you understand: the problem with information warfare*. **Journal of Strategic Studies**, Vol. 29, No. 3, June 2006, pp. 505-533.
- Bird, Tim. *UK effects-based planning and centre of gravity analysis: an increasingly dysfunctional relationship?* **RUSI Journal**, Vol. 153, No. 2, April 2008, pp. 46-49.

Bousquet, Antoine. *Chaoplexic warfare or the future of military organization*. **International Affairs**, Vol. 84, No. 5, September 2008, pp. 915-929.

Burki, Shireen K. *Ceding the ideological battlefield to Al Qaeda: the absence of an effective US information warfare strategy*. **Comparative Strategy**, Vol. 28, No. 4, September-October 2009, pp. 349-366.

Burridge, B. *Strategic guidance and the context for air power*. **RUSI Journal**, Vol. 149, No. 3, June 2004, pp. 30-33.

Burridge, B. *Technical development and effects based operations*. **RUSI Journal**, Vol. 149, No. 5, October 2004, pp. 26-30.

Clark, Clinton R., & Cook, Timothy J. *A practical approach to effects-based operational assessment*. **Air & Space Power Journal**, Vol. 22, No. 2, Summer 2008, pp. 82-99.

Clow, Ryan. *Effects based operations: a case for the primacy of effects*. **Royal Air Force Air Power Review**, Vol. 8, No. 3, Autumn 2005, pp. 35-45.

Dryden, Stephen. *The ship's command team & network centric warfare*. **Headmark: Journal of the Australian Naval Institute**, Iss. 127, March 2008, pp. 15-21.

*Effects-based strategy: special edition*. **Security Challenges**, Vol. 2, No. 1, April 2006, whole issue.

Elder, Robert J. *Effects-based operations: a command philosophy*. **Air & Space Power Journal**, Vol. 21, No. 1, Spring 2007, pp. 10-17.

Farrell, Theo. *The dynamics of British military transformation*. **International Affairs**, Vol. 84, No. 4, July 2008, pp. 777-807.

Ferris, John. *Netcentric warfare, CAISR and information operations: towards a revolution in military intelligence?* **Intelligence & National Security**, Vol. 19, No. 2, June 2004, pp. 199-225.

Jobby, Zoltan. *Effects-based operations and the problem of causality: simple and complex*. **Joint Force Quarterly**, Iss. 46, 3<sup>rd</sup> Quarter 2007, pp. 90-95.

Junio, Timothy J. *Military history and fourth generation warfare*. **The Journal of Strategic Studies**, Vol. 32, No. 2, April 2009, pp. 243-269.

Mattis, James N. *Effects-based operations*. **JFQ: Joint Force Quarterly**, No. 51, Autumn 2008, pp. 105-108.

Meilinger, Philip S. *A history of effects-based air operations*. **The Journal of Military History**, Vol. 71, No. 1, January 2007, pp. 139-168.

Moon, Terry. *Net-centric or networked military operations?* **Defense & Security Analysis**, Vol. 23, No. 1, March 2007, pp. 55-67.

Pendall, D. *Effects-based operations and the exercise of national power*. **Military Review**, Vol. LXXXIV, January/February 2004, pp. 20-31.

Ruby, Tomislav Z. *Effects-based operations: more important than ever*. **Parameters**, Vol. 38, No. 3, Autumn 2008, pp. 26-35.

Vego, Milan E. *Effects-based operations: a critique*. **Joint Force Quarterly**, No. 41, Spring 2006, pp. 51-57.

Vego, Milan. *Effects- versus objective-based naval warfare*. **Naval Forces**, Vol. XXXII, No. I, 2011, pp. 12-18.

Winkler, Jonathan Reed. *Information warfare in World War I*. **Journal of Military History**, Vol. 73, No. 3, July 2009, pp. 845-867.

#### Websites

Information Warfare Site  
<http://www.iwar.org.uk/>

#### Basic Copyright/Plagiarism Rules:

Please reference all information sources used, in the appropriate manner.  
Please note that copyright may apply to the use of material obtained from the web, including images.

#### Related Research Guides

See also:       Asymmetric warfare  
                  COIN  
                  Decision Making & Military Planning  
                  Intelligence  
                  Revolution in Military Affairs

#### Any Queries

Contact [library.jscsc@defenceacademy.mod.uk](mailto:library.jscsc@defenceacademy.mod.uk)  
Tel: 01793 788237  
Mil: 96161 8237

---

Compiler: Ally Deacon, 2008  
Updated: Isabelle Brizard, 2011