

## HF Method Library - References

*Bedford Workload Scale*. Published online on HP repository:

<https://www.eurocontrol.int/ehp/?q=node/1643>, retrieved on 10 July 2015.

Botta, M. U., Borchers, S. T., Curio, C. T., Collina, S. S., Gardas-Schmidt, D. H., Gründl, M. E., Guidotti, L., Herout, A., Ihme, K., & Käthner, D. (2013). *D5. 2-Plan for Integration of Empirical Analysis Techniques and Tools into the HF-RTP and Methodology*. Published online:

[http://www.holides.eu/sites/default/files/holides/files/content-files/deliverables/D5.2\\_IntegrationPlan\\_Empirical\\_Analysis\\_Techniques.pdf](http://www.holides.eu/sites/default/files/holides/files/content-files/deliverables/D5.2_IntegrationPlan_Empirical_Analysis_Techniques.pdf), retrieved on 14 July 2015.

Card, S. K., Moran, T. P., & Newell, A. (1983). *The psychology of human-computer interaction*. Hillsdale, NJ: Lawrence Erlbaum Associates.

Casali, J. G. & Wierwille, W. W (1983). A comparison of rating scale, secondary task, physiological, and primary task workload estimation techniques in a simulated flight task emphasising communications load. *Human Factors*, 25, 623-641.

Cinaz, B., La Marca, R., Arnrich, B., & Tröster, G. (2010). Monitoring of mental workload levels. In *Proceedings of IADIS e-Health conference*, 189-193.

Cooper, G. E & Harper, R. P. (1969). The use of pilot rating in the evaluation of aircraft handling qualities. Report No. ASD-TR-76-19. Moffett Field, CA: National Aeronautics and Space Administration.

Endsley, M. R. (1988). Situation awareness global assessment technique (SAGAT). In *Aerospace and Electronics Conference, 1988. NAECON 1988, Proceedings of the IEEE 1988 National*, 789-795.

Endsley, M. R. (1993). A survey of situation awareness requirements in air-to-air combat fighters. *International Journal of Aviation Psychology*, 3(2), 157-168.

Gediga, G., Hamborg, K. C., & Düntsch, I. (1999). The IsoMetrics usability inventory: an operationalization of ISO 9241-10 supporting summative and formative evaluation of software systems. *Behaviour & Information Technology*, 18(3), 151-164.

Hart, S. G. & Staveland, L. E. (1988). Development of NASA-TLX (Task Load Index): Results of empirical and theoretical research. In P. A. Hancock and N. Meshkati (Eds.) *Human mental workload*. Amsterdam: North Holland Press.

- Hauss, Y., Gauss, B. & Eyferth, K. (2000). The evaluation of a future air traffic management: Towards a new approach to measure situation awareness in air traffic control. In L. M. Camarinha-Matos, H. Afsarmanesh, & H. H. Erbe (Eds.), *Advances in networked enterprises: Virtual organizations, balanced automation and system integration*. Boston: Kluwer.
- Holtzblatt, K., & Jones, S. (1993). Contextual inquiry: A participatory technique for system design. *Participatory design: Principles and practices*, 177-210.
- Kahneman, D. (1973). *Attention and effort*. New Jersey: Prentice Hall.
- Kitzinger, J. (1994). The methodology of focus groups: The importance of interactions between research participants. *Sociology of Health and Illness*, 16, 103-21.
- Kitzinger, J. (1995). Qualitative research. Introducing focus groups. *BMJ: British medical journal*, 311(7000), 299.
- Lewis, C., Polson, P., Wharton, C., & Rieman, J. (1990). Testing a walkthrough methodology for theory-based design of walk-up-and-use interfaces. In *Proceedings of CHI, 1990*. Seattle, WA, ACM, New York, 235-242.
- Martin, D. (2007). How to decide which variable to manipulate and measure. In *Doing psychology experiments*. Cengage Learning, 146.
- Merton, R. K., & Kendall, P. L. (1946). The focused interview. *American journal of Sociology*, 541-557.
- National Library of Medicine - Medical Subject Headings (2014). Evoked Potentials. *MeSH (Medical Subject Headings) Descriptor Data*. Published online: [http://www.nlm.nih.gov/cgi/mesh/2015/MB\\_cgi?mode=&index=4849&view=concept](http://www.nlm.nih.gov/cgi/mesh/2015/MB_cgi?mode=&index=4849&view=concept), retrieved on 10 July 2015.
- Neerincx, M.A. (2004). Cognitive task load design: model, methods and examples. In E. Hollnagel (Ed.), *Handbook of Cognitive Task Design*. Mahwah, NJ: Lawrence Erlbaum Associates, 283-305.
- Neerincx, M.A., van Doorne, H. & Ruijsendaal, M. (2000). Attuning computer-supported work to human knowledge and processing capacities in ship control centres. In J. M. C. Schraagen, S. E. Chipman, & V. L. Shalin (Eds.), *Cognitive Task Analysis*. Mahwah, NJ, Erlbaum.
- Nielsen, J., & Molich, R. (1990). Heuristic evaluation of user interfaces. In *Proceedings of the SIGCHI conference on Human factors in computing systems*. ACM, 249-256.

- Nielsen, J., & Sano, D. (1995). SunWeb: User interface design for Sun Microsystem's internal web. *Computer Networks and ISDN Systems*, 28(1), 179-188.
- Polson, P., Lewis, C., Rieman, J., & Wharton, C. (1992). Cognitive walkthroughs: A method for theory-based evaluation of user interfaces. *International Journal of Man-Machine Studies*, 36, 741-773.
- Poole, A. & Ball, L. J. (2005). Eye Tracking in HCI and usability research. In C. Ghaoui (Ed.) *Encyclopedia of human computer interaction*. IGI Global, 211-219.
- Prümper, J. (1997). Der Benutzungsfragebogen ISONORM 9241/10: Ergebnisse zur Reliabilität und Validität. In *Software-Ergonomie'97*. Vieweg+ Teubner Verlag, 253-262.
- Reid, G. B., & Nygren, T. E. (1988). The subjective workload assessment technique: A scaling procedure for measuring mental workload. *Advances in psychology*, 52, 185-218.
- Reid, G. B., Potter, S. S., & Bressler, J. R. (1989). *Subjective workload assessment technique (SWAT): A user's guide*. Wright Patterson Air Force Base, OH: Harry G. Armstrong Aerospace Medical Research Laboratory.
- Roscoe, A.H (1984). Assessing pilot workload in flight. In *Conference Proceedings No. 373. Flight Test Techniques*. AGARD, Paris.
- Rubin, J. (1994). *Handbook of usability testing: How to plan, design, and conduct effective tests*. New York: John Wiley & Sons, Inc.
- Rubio, S., Díaz, E., Martín, J., & Puente, J. M. (2004). Evaluation of subjective mental workload: A comparison of SWAT, NASA-TLX, and workload profile methods. *Applied Psychology*, 53(1), 61-86.
- Sears, A. (1997). Heuristic walkthroughs: Finding the problems without the noise, *International Journal of Human-Computer Interaction*, 9(3), 213-234.
- Shi, Y., Ruiz, N., Taib, R., Choi, E., & Chen, F. (2007). Galvanic skin response (GSR) as an index of cognitive load. In *CHI'07 extended abstracts on Human factors in computing systems*. ACM, 2651-2656.
- Stanton, N. A., Salmon, P. M., Walker, G. H., Baber, C., & Jenkins, D. P. (2005). Hierarchical task analysis (HTA). In *Human factors methods: A practical guide for engineering and design*. Ashgate Publishing, Ltd, 46-54.

- Taylor, R. M. (1990). Situation awareness rating technique (SART): The development of a tool for aircrew systems design. In *Situational Awareness in Aerospace Operations*. France: Neuilly sur-Seine, NATO-AGARD-CP-478.
- Tsang, P.S., & Velazquez, V.L. (1996). Diagnosticity and multidimensional subjective workload ratings. *Ergonomics*, *39*(3), 358-381.
- Wharton, C., Rieman, J., Lewis, C., & Polson, P. (1994). The cognitive walkthrough method: A practitioner's guide. In *Usability inspection methods*. John Wiley & Sons, Inc., 105-140.
- Wickens, C.D. (1987). Information processing, decision making, and cognition. In G. Salvendy (Ed.), *Cognitive engineering in the design of human-computer interaction and expert systems*. Amsterdam: Elsevier.