

# Human Factors in Defense

by *Gerrit Muller* Embedded Systems Institute

e-mail: `gerrit.muller@embeddedsystems.nl`

`www.gaudisite.nl`

## **Abstract**

The defense industry has recognized the importance of human factors for system design. Some processes and procedures are available to address these needs. In this paper we provide a brief overview of ongoing *Human Factors* or *Human Systems Integration* activities in Defense.

### **Distribution**

This article or presentation is written as part of the Gaudí project. The Gaudí project philosophy is to improve by obtaining frequent feedback. Frequent feedback is pursued by an open creation process. This document is published as intermediate or nearly mature version to get feedback. Further distribution is allowed as long as the document remains complete and unchanged.

February 10, 2011

status: preliminary

draft

version: 0

# Human Systems Integration DoD Acquisition



Human Systems Integration in DoD Acquisition by Ms. Nancy Dolan CNO N125  
<https://acc.dau.mil/GetAttachment.aspx?id=25755&pname=file&aid=3181&lang=en-US>

# Human Engineering from Naval Perspective

---

1. Mission Analysis
2. Requirements Analysis
3. Function Analysis
4. Function Allocation
5. Task Design and Analysis
6. Human Interface and Team Development
7. Performance, Workload, and Training Level Estimation
8. User and Requirements Reviews

from ONR (Office of Naval Research)/SC-21 Manning Affordability Initiative  
[www.hf.faa.gov/docs/508/docs/Human\\_System\\_Engineering\\_\(NSWC\).pdf](http://www.hf.faa.gov/docs/508/docs/Human_System_Engineering_(NSWC).pdf)

HV-A: Personnel Availability

HV-B: Quality Objectives and Metrics

HV-C: Human Interaction Structure

HV-D: Organisation

HV-E: Human Functions and Tasks

HV-F: Roles and Competencies

HV-G: Dynamic Drivers of Human Behaviour

from The Human View Handbook for MODAF  
[www.hfidtc.com/MoDAF/HV Handbook First Issue.pdf](http://www.hfidtc.com/MoDAF/HV%20Handbook%20First%20Issue.pdf)