



## Human Factors Integration Process Risk Assessment

Providing **assurance of ease of use** by matching HFI to project need.

**Ease of Use** is the capability of a system to enable specified users to achieve specified goals with **effectiveness, productivity, safety and satisfaction**.

HFI Process Risk Assessment uses a model of good practice in HFI as a benchmark to define project need and to monitor project activity.

### Role of HFI Process Risk Assessment:

- provides timely assurance of ease of use
- reduces cost and timescale risks
- helps to align acquisition and Human Resources
- supports stakeholder involvement
- provides benchmarking
- ensures that HFI activities deliver results.

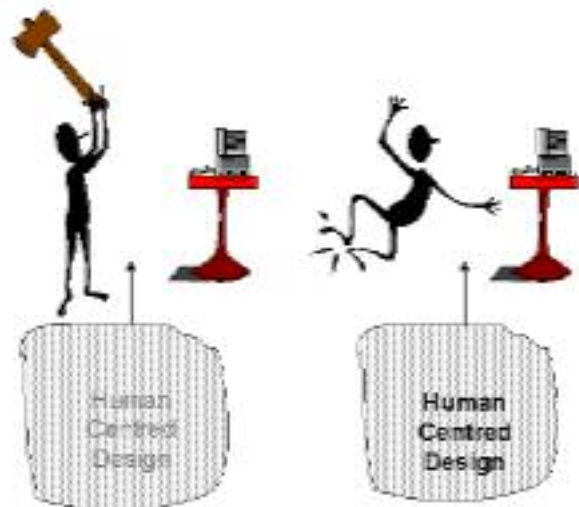
### Delivering ease of use

If we wait until after the system is designed to find out how easy it is to use, it is usually too expensive to make improvements.

What is it that leads to ease of use? The answer is **user-centred design**. An organisation that has well-defined processes for user-centred design can be fairly sure of producing a usable system. An organisation with ad hoc processes is likely to produce a system that is hard to use.

### Contacts and Web Sites

Jonathan Earthy, Lloyd's Register of Shipping (0207 423 2304) [jonathan.earthly@lr.org](mailto:jonathan.earthly@lr.org)  
Brian Sherwood Jones, Process Contracting (01292 678598) [brian@sherwood-jones.sol.co.uk](mailto:brian@sherwood-jones.sol.co.uk)



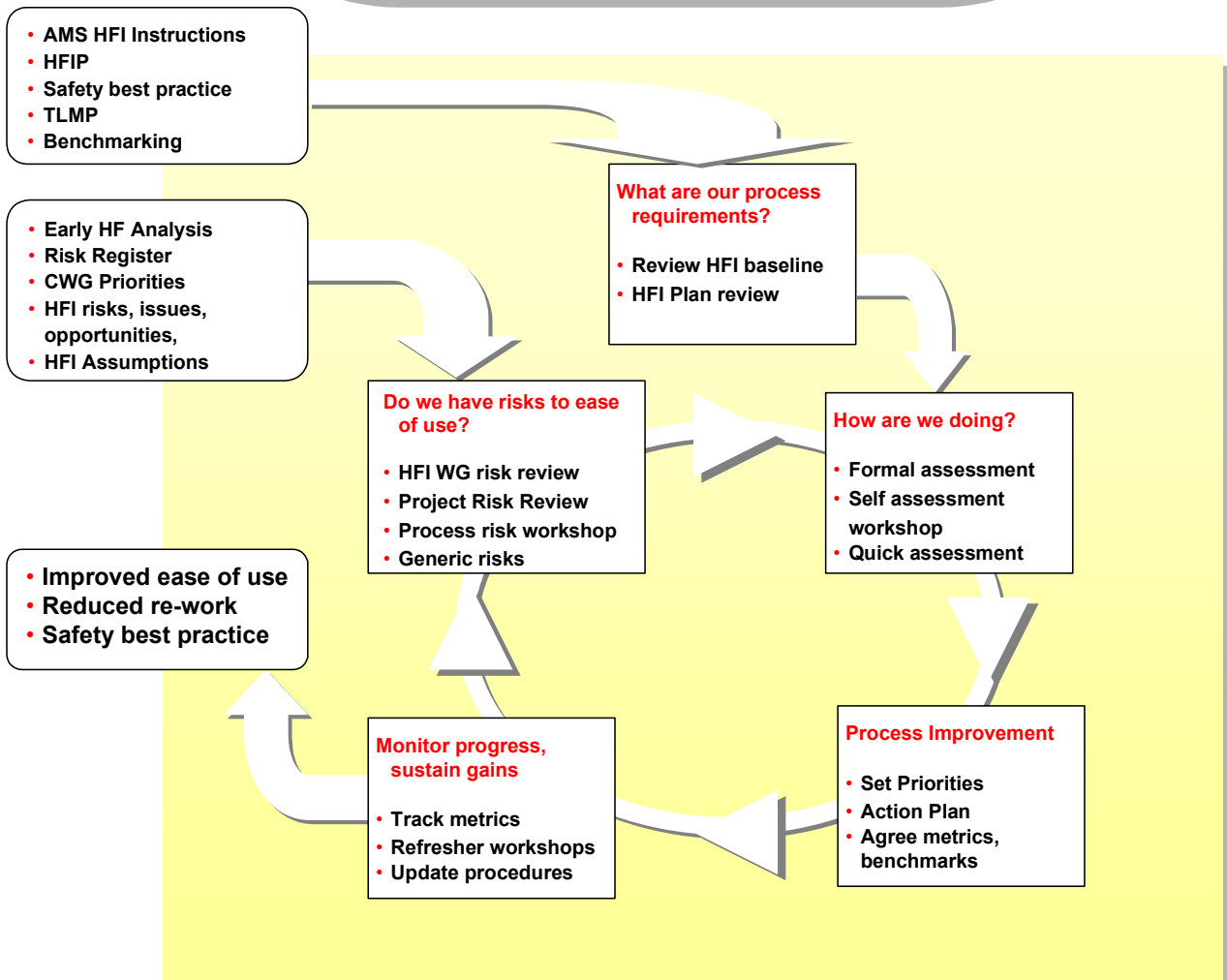
HFI Process Risk Assessment can determine the extent to which an organisation does user-centred design against a model of best practice.

The assessment findings can be used to provide assurance of ease of use **before** resources are committed. The findings can be used for Process Improvement or for contractor selection.

Colin Corbridge, DSTL, Portsmouth West, UK MOD  
(+44 (0)2392 229048) [CCORBRIDGE@dstl.gov.uk](mailto:CCORBRIDGE@dstl.gov.uk)  
HFI Process Risk Assessment material  
<http://www.processforusability.co.uk/HFIPRA/HFIPRA.html>

## Application of HFI Process Risk Assessment

Using HFI Process Risk Assessment to deliver ease of use with reduced Project Cost and Risk



## AMS Compliance

The AMS includes a number of Instructions relating to HFI. Whilst these are Authoritative Guidance rather than Mandatory, deviations from them need a written justification and audit trail. The table below maps the Human-System Lifecycle model (the basis of HFI Process Risk Assessment) to these Instructions. Processes indicated (HS.1.1) are considered the key indicators for compliance, processes shown (HS.1.1) are directly required for compliance, and processes shown (HS.1.1) are indirectly required for compliance.

HS.1 Life Cycle Involvement							
HS.1.1	HS.1.2	HS.1.3	HS.1.4	HS.1.5			
HS.2 Integrate Human Factors							
HS.2.1	HS.2.2	HS.2.3	HS.2.4	HS.2.5	HS.2.6	HS.2.7	HS.2.8
HS.3 Usability Engineering							
HS.3.1	HS.3.2	HS.3.3	HS.3.4				
HS.4 Human Resources							
HS.4.1	HS.4.2	HS.4.3	HS.4.4				