

A Case Study on How Workers in a Fast-paced Environment Go Through the Knowledge Life
Cycle When Dealing with Critical Incidents

Julaine Melissa Fowlin

Dissertation submitted to the faculty of the Virginia Polytechnic Institute and State University in
partial fulfillment of the requirements for the degree of

Doctor of Philosophy

In

Curriculum and Instruction

Katherine Cennamo, Chair

Jennifer Brill

John Burton

Barbara Lockee

25 March 2014

Blacksburg, Virginia

Keywords: knowledge management, knowledge life cycle, organizational learning, instructional design and technology, human performance technology, fast-paced

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MEMORANDUM

DATE: August 26, 2013
TO: Katherine S Cennamo, Julaine M Fowlin
FROM: Virginia Tech Institutional Review Board (FWA00000572, expires April 25, 2018)
PROTOCOL TITLE: Knowledge Life Cycle of Critical Incidents
IRB NUMBER: 13-685

Effective August 23, 2013, the Virginia Tech Institution Review Board (IRB) Chair, David M Moore, approved the Amendment request for the above-mentioned research protocol.

This approval provides permission to begin the human subject activities outlined in the IRB-approved protocol and supporting documents.

Plans to deviate from the approved protocol and/or supporting documents must be submitted to the IRB as an amendment request and approved by the IRB prior to the implementation of any changes, regardless of how minor, except where necessary to eliminate apparent immediate hazards to the subjects. Report within 5 business days to the IRB any injuries or other unanticipated or adverse events involving risks or harms to human research subjects or others.

All investigators (listed above) are required to comply with the researcher requirements outlined at:

<http://www.irb.vt.edu/pages/responsibilities.htm>

(Please review responsibilities before the commencement of your research.)

PROTOCOL INFORMATION:

Approved As: **Expedited, under 45 CFR 46.110 category(ies) 6,7**
Protocol Approval Date: **August 9, 2013**
Protocol Expiration Date: **August 8, 2014**
Continuing Review Due Date*: **July 25, 2014**

*Date a Continuing Review application is due to the IRB office if human subject activities covered under this protocol, including data analysis, are to continue beyond the Protocol Expiration Date.

FEDERALLY FUNDED RESEARCH REQUIREMENTS:

Per federal regulations, 45 CFR 46.103(f), the IRB is required to compare all federally funded grant proposals/work statements to the IRB protocol(s) which cover the human research activities included in the proposal / work statement before funds are released. Note that this requirement does not apply to Exempt and Interim IRB protocols, or grants for which VT is not the primary awardee.

The table on the following page indicates whether grant proposals are related to this IRB protocol, and which of the listed proposals, if any, have been compared to this IRB protocol, if required.

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Kind Regards,

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Julaine Fowlin <julainefowlin@gmail.com>

Permission to use Knowledge Life Cycle Image in Dissertation

2 messages

Julaine Fowlin <julainefowlin@gmail.com>

Sat, Mar 1, 2014 at 4:34 PM

To: salisbu@unm.edu

Dear Dr. Salisbury,

My name is Julaine Fowlin and I am a PhD candidate at Virginia Tech, the topic of my dissertation is: "A Case Study on How Workers in a Fast-paced Environment Go through the Knowledge Life Cycle when Dealing with Critical Incidents."

I used your knowledge life cycle model to frame my study, based on your article titled "From instructional systems design to managing the life cycle of knowledge in organizations" (please see full citation below).

Salisbury, M. (2008). From instructional systems design to managing the life cycle of knowledge in organizations. *Performance Improvement Quarterly*, 20(3-4), 131-145. doi: 10.1002/piq.20007

May I please have permission to include the Knowledge Life Cycle Figure on P.135 in my dissertation, which will be in ETD format?

Thanks,
Julaine

--

Julaine Fowlin
Virginia Polytechnic Institute and State University
PhD. Candidate, Learning Sciences & Technology
College of Engineering Distance Learning Graduate Assistant
(c): 540.597.8044
(e): jfowlin@vt.edu

Mark Salisbury <salisbu@unm.edu>

Sun, Mar 2, 2014 at 3:19 PM

To: Julaine Fowlin <julainefowlin@gmail.com>

Hi Julaine,

You have my permission to include the Knowledge Life Cycle Figure in your dissertation.

Note, my new address below.

Best of luck on this final mile for your doctorate!

Best of luck on this final mile for your doctorate!

--Mark

Mark Salisbury, Ph.D.
Dean
College of Education, Leadership, and Counseling
University of St. Thomas
marksalisbury@stthomas.edu
651-962-4435
Toll Free -- [800-328-6819](tel:800-328-6819), Ext. 2-4435

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