

RN-

Important!

Please Victor or

Andrew to print

my June 10 e-mail

from Gotterbarn for

MD.

VW

PROF COMP @ ETSU, EAST-TENN-STAT. EDU.

6/12

26

MAIL

#26 10-JUN-1995 09:28:08.32  
From: IN%"PROFCOMP@ETSU.EAST-TENN-ST.EDU" "Don Gotterbarn"  
To: IN%"dbellin@ncat.edu", IN%"jayaramn@westminster.ac.uk", IN%"rick@vansys.com", IN%"lwerth@cs.utexas.edu", IN%"gamyers@icaen.uiowa.edu", IN%"elkadi@auc-ac.s.eun.eg", IN%"swift@mitre.org", IN%"lyttle@nevada.edu", IN%"lbernstein@attmail.com", IN%"se-ethics@

CC:

Subj: current list of volunteers

Return-path: <PROFCOMP@ETSU.EAST-TENN-ST.EDU>

Return-path: PROFCOMP@ETSU.EAST-TENN-ST.EDU

Received: from JNET-DAEMON by minna.acc.iit.edu (PMDF V4.3-10 #5435)

id <01HR93MG5UF48WVYNN@minna.acc.iit.edu>; Sat,

10 Jun 1995 09:27:56 -0500 (CDT)

Received: From ETSU(MAILER) by IITVAX1 with Jnet id 3864 for CSEP@IITVAX; Sat,

10 Jun 1995 09:27 CDT

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by ETSU.EAST-TENN-ST.EDU (LMail V1.2a/1.8a) with BSMTTP id 1096; Sat,

10 Jun 1995 10:27:22 -0400

Date: Sat, 10 Jun 1995 10:24:46 -0400 (EDT)

From: Don Gotterbarn <PROFCOMP@ETSU.EAST-TENN-ST.EDU>

Subject: current list of volunteers

To: dbellin@ncat.edu, jayaramn@westminster.ac.uk, rick@vansys.com,

Press RETURN for more...

MAIL>

MAIL

#26 10-JUN-1995 09:28:08.32  
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swift@mitre.org, lyttle@nevada.edu, lbernstein@attmail.com,  
se-ethics@sei.cmu.edu, fodor@scsu.ctstateu.edu,  
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fulghum@vss.fsi.com, dphillips@cov.com, finemanj@aol.com, d.langford@ukc.ac.uk  
Message-id: <01HRJB7QHGUAS8WVYNN@minna.acc.iit.edu>  
Organization: East Tennessee State University  
Content-transfer-encoding: 7BIT

Please check for accuracy.

don

Volunteers to the professional competnece working group 6/10 version

Press RETURN for more...

MAIL>

MAIL

#26 10-JUN-1995 09:28:08.32

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fodor@scsu.ctstateu.edu

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MAIL>  
#27 10-JUN-1995 10:54:15.51  
From: IN%"PROFCOMP@ETSU.EAST-TENN-ST.EDU" "don gotterbarn"  
To: IN%"dbellin@ncat.edu", IN%"jayaramn@westminster.ac.uk", IN%"rick@vansys.com", IN%"lwerth@cs.utexas.edu", IN%"gamyers@icaen.uiowa.edu", IN%"elkadi@auc-ac.s.eun.eg", IN%"swift@mitre.org", IN%"lyttle@nevada.edu", IN%"lbernstein@attmail.com", IN%"se-ethics@  
CC:  
Subj: Professional Competence

MAIL

Return-path: <PROFCOMP@ETSU.EAST-TENN-ST.EDU>  
Return-path: PROFCOMP@ETSU.EAST-TENN-ST.EDU

Received: from JNET-DAEMON by minna.acc.iit.edu (PMDF V4.3-10 #5435)  
id <01HR93MG5UF48WVYNN@minna.acc.iit.edu>; Sat,  
10 Jun 1995 10:53:58 -0500 (CDT)  
Received: From ETSU(MAILER) by IITVAX1 with Jnet id 3867 for CSEP@IITVAX; Sat,  
10 Jun 1995 10:53 CDT  
Received: from ETSU.EAST-TENN-ST.EDU (NJE origin PROFCOMP@ETSU)  
by ETSU.EAST-TENN-ST.EDU (LMail V1.2a/1.8a) with BSMTP id 1220; Sat,  
10 Jun 1995 11:53:26 -0400  
Date: Sat, 10 Jun 1995 11:52:46 -0400 (EDT)  
From: don gotterbarn <PROFCOMP@ETSU.EAST-TENN-ST.EDU>  
Subject: Professional Competence  
To: dbellin@ncat.edu, jayaramn@westminster.ac.uk, rick@vansys.com,

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#27 10-JUN-1995 10:54:15.51 MAIL  
lwerth@cs.utexas.edu, gamyers@icaen.uiowa.edu, elkadi@auc-accs.eun.eg,  
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Message-id: <01HRJE8ES2DQ8WVYNN@minna.acc.iit.edu>  
Organization: East Tennessee State University  
Content-transfer-encoding: 7BIT

June 10, 1995

Dear SEEPP Volunteer:  
Sometime back I sent out a kick-off letter for our effort. The letter,  
appended below, gave a complete approach for the development of our  
standard. It was probably not a good idea to list all of the tasks at once.

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To one knew where to start. To start we need to have some folks jump  
in and pick up particular tasks. I have listed them below.  
.. We need a straw man model of the structure of a professional  
competence standard, a model that can be presented to the group  
for comment. Do we have a volunteer or two?  
.. We need to examine and summarize other professional  
standards, both their form and types of issues they include. I am  
sending a list of some standards and codes I know about to each  
of you. It would be good if each of you would pick one of these  
standards for review, writing a short statement about the form of  
the standard, the types of issues it includes, and things that might  
be especially useful to software engineering.

There are many standards which I have not listed; feel free to  
look at them and tell us about them.

. We can be original. If you have specific ideas about what should

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be included in a professional competence standard for

professional practice; write it up and send it in to the list.  
This is the first step in item A below. I look forward to hearing from you.

Don gotterbarn

=====

February 16, 1995

Dear SEEPP Volunteer:

I thank you for your interest in this important effort of the joint IEEE-CS/ACM Steering committee and the working group of professional competence. The work of our task force has been slow to start due to some of our unfamiliarity with this process. I do sincerely apologize for the delay in getting this working group started.

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I hope you continue to be interested in this important effort. We are all volunteers in this effort and there was some delay in determining how we should proceed. As you know, the IEEE-CS/ACM joint steering committee on establishing software engineering as a profession divided the work into three major task forces: one defining the current minimal skill set required to be a software engineer, another defining how to educate people with these skills and keep them current in new and developing technologies. These two task forces are well underway. The third task force is on software engineering ethics and professional practices(SEEPP). The goals of the third task force are to establish standards of professional practice for applying these skills and to determine and model minimal levels of ethical commitment in the utilization of these skills.

The task of developing professional practices and standards is new to most of us. The SEEPP task force has divided our task up into several sub-tasks each of which is assigned to a working group. ( A good computer problem solving technique.) A problem that has caused some

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of the delay is the question of how to manage and organize the working group process. I have a plan.

I would like our working group to proceed initially in the following way. We do know that other organizations and professions have developed standards of practice. These standards vary in numerous ways. Some standards of practice are codified and become black letter law for anyone who is practicing a profession, while other standards of practice are primarily guidelines that help one to make decisions in difficult situations. I believe that our standards of practice should probably be a combination of both; providing some solid unequivocal minimal standards of practice and also provide some guidelines and principles for resolving ethical issues that arise in the practice of the profession. These guidelines are needed to help address new or unanticipated situations created by our changing technology and evolving environments.

In determining how to proceed, there are formal procedural guidelines used by the IEEE for the functioning of working groups. I have

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MAIL

appended a preliminary draft of a version of those guidelines which we are modifying for the SEEP task force. Although these address several logistical matters, they do not provide a technique for approaching the process. I would like to initiate the work of this group in the following way.

First, I have set up an small email list for the members of the professional competence working group at East Tennessee State-ProfComp @ ETSU.east-tenn-st.edu. Our group can use this list to circulate all correspondence to each member of the group. I will put together a list of the current members and I will circulate it to all members of the group two weeks after this letter has been sent. If you do not want you name circulated on this list please contact me before March 5. The names on this list will not be circulated to any other organization nor will it be made available by me to any other group. Anything mailed to the list will only be circulated to members of the working group. The list will be moderated by me to eliminate spamming and other irrelevant activities.

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MAIL

Second, I propose the following general outline for the development of our standards in professional competence.

- A. We need to determine the content and structure for our document. Some general standards are contained in the appended procedures. But we need to be more specific. To this end we need to gather and distribute other profession's standards of practice. These need to be distributed to and digested by each of us.

INFORMATION GATHERING:

Please send to the LIST:

1. names and addresses of organizations that you know have standards of professional practices.
2. your willingness to get copies of these standards (preferably electronic) for the list.
3. your willingness to write a short abstract of that standard, indicating the scope of application of the standard, means they use to update it, how practitioners are educated about that standard, and the methods of standards

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MAIL

enforcement, if any.

ANALYSIS AND SYNTHESIS:

Given this information we should be able to abstract a model of professional practices for our use. We can also use these documents, along with our knowledge of the nature of the software engineering profession to formulate a statement of scope ( i.e., what it is we think we should be doing) and a structure in which to organize our suggestions and conclusions. A Scope addresses the kinds of things we want to include in our standards and it clearly states who is (are) the intended audience(s) for the standard (practitioners, educators, professional society officials...)



- B. Once the model is clearly stated we can further subdivide the problem based on the model and ask for volunteers to write rough first drafts of various sections of the document. These first drafts can then be circulated and modified, deleted from, added to, altered, etc. The procedure I have in mind is that all

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drafts, documents, suggestions for items to include or exclude  
will be circulated to the entire working group (an electronic  
meeting)

C. We can then revisit questions of format and content and  
develop a single consistent document which we can present  
the SEEPP task force.

D. For the present our meetings will merely be electronic. As we  
progress, there are some national meeting that several of us  
will be at and we can gather in subgroups at those meetings.  
If it is the consensus of the group that we need to all discuss  
something together we can arrange a conference call. (These are  
hard to organize and expensive, so they should be minimized.)

This procedure is written in Jello. Any suggestions on this process will be gratefully accepted. Please send an email 'Hi' to me at ProfComp, so that I know this message was received and that the list is working.

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MAIL> #27 10-JUN-1995 10:54:15.51 MAIL  
We are underway ! Please refer to item A. above.  
Hoping for a productive relationship and grateful for your interest,  
don gotterbarn

MAIL> #28 10-JUN-1995 10:56:04.87 MAIL  
From: IN%"PROFCOMP@ETSU.EAST-TENN-ST.EDU" "don gotterbarn"  
To: IN%"dbellin@ncat.edu", IN%"jayaramn@westminster.ac.uk", IN%"rick@vansys.com", IN%"lwerth@cs.utexas.edu", IN%"gamyers@icaen.uiowa.edu", IN%"elkadi@auc-ac.s.eun.eg", IN%"swift@mitre.org", IN%"lyttle@nevada.edu", IN%"lbernstein@attmail.com", IN%"se-ethics@  
CC:  
Subj: some standards of professionalism

Return-path: <PROFCOMP@ETSU.EAST-TENN-ST.EDU>  
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Received: from JNET-DAEMON by minna.acc.iit.edu (PMDF V4.3-10 #5435)  
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Received: From ETSU(MAILER) by IITVAX1 with Jnet id 3869 for CSEP@IITVAX; Sat,  
10 Jun 1995 10:55 CDT  
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by ETSU.EAST-TENN-ST.EDU (LMail V1.2a/1.8a) with BSMTP id 1226; Sat,  
10 Jun 1995 11:55:11 -0400  
Date: Sat, 10 Jun 1995 11:54:14 -0400 (EDT)  
From: don gotterbarn <PROFCOMP@ETSU.EAST-TENN-ST.EDU>  
Subject: some standards of professionalism  
To: dbellin@ncat.edu, jayaramn@westminster.ac.uk, rick@vansys.com,

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Stephen Schach <srs@vuse.vanderbilt.edu>, eoin@kira.team400.ie,  
fulghum@vss.fsi.com, dphillips@cov.com, finemanj@aol.com, d.langford@ukc.ac.uk  
Message-id: <01HRJEAK5STU8WVYNN@minna.acc.iit.edu>  
Organization: East Tennessee State University  
Content-transfer-encoding: 7BIT

Here is a list of some materials we should look at. Please tell me which  
you will look at so we can be sure they are all covered. There are  
other codes that may be of interest. Please give us your suggestions.  
don

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MAIL> #28 10-JUN-1995 10:56:04.87 MAIL

BRITISH COMPUTER SOCIETY CODWE OF PRACTICE  
1 SANFORD STREET, SWINDON, WILTSHIRE SN 1HJ

PROFESSIONAL STANDARDS - ACCOUNTING  
AMERICAN INSTITUTE OF CERTIFIED PUBLIC ACCOUNTANTS, INC  
COMMERCE CLEARING HOUSE, INC 1977

INTERPRETATION OF THE CODE OF ETHICS  
COMMITTEE ON PROFESSIONAL STANDARDS  
NATIONAL ASSOCIATION OF REAL ESTATE BOARDS 1970

ETHICAL STANDARDS OF THE ACCOUNTING PROFESSION  
JOHN L. CAREY AND WILLIAM O. DOHERTY  
AMERICAN INSTITUTE OF CERTIFIED PUBLIC ACCOUNTANTS, INC 1966

ETHICAL STANDARDS OF PSYCHOLOGISTS

Press RETURN for more...

MAIL> #28 10-JUN-1995 10:56:04.87 MAIL  
THE AMERICAN PSYCHOLOGICAL ASSOCIATION  
THE AMERICAN PSYCHOLOGICAL ASSOCIATION 1961

ETHICAL STANDARDS CASEBOOK SECOND EDITION  
ROBERT CALLIS  
AMERICAN PERSONNEL & GUIDANCE ASSOCIATION 1976

STANDARDS OF PRACTICE HANDBOOK  
ASSOCIATION FOR INVESTMENT MANAGEMENT AND RESEARCH  
ASSOCIATION FOR INVESTMENT MANAGEMENT AND RESEARCH 1990

MICROSOFT CERTIFICATION SUCCESS GUIDE

AN MUELLER, MCGRAW HILL..BECOME A MICROSOFT CERTIFIED SYSTEMS ENGINEER  
1994

SOME CODES I HAVE FOUND WITH STANDARDS OF PRACTICE

AMERICAN SOCIETY OF CIVIL ENGINEERS,

Press RETURN for more...

MAIL>

#28 10-JUN-1995 10:56:04.87  
AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS  
NATIONAL ASSOCIATION OF ENVIRONMENTAL PROFESSIONALS

MAIL

I have electronic versions of the american institute of conservation and  
the american institute of business communicators if anyone is interested.

MAIL>