



Society of Women Engineers - Minnesota Section

"Leveraging Shared Visions"

Volume 17, Issue 2, November 2003

Inside This Issue:

<i>COR Report</i>	2
<i>U of St Thomas</i>	3
<i>Welcome to New Members</i>	3
<i>Scholarship Committee</i>	3
<i>Open House Recap</i>	3
<i>October Tour Summary</i>	4
<i>Hoffman Program Recap</i>	4
<i>Nov Meeting</i>	5
<i>Member News</i>	6
<i>Free Pass</i>	6
<i>Holiday Party</i>	7
<i>Joyce Medalen Award</i>	9
<i>Outreach Report</i>	10
<i>More Member News</i>	11
<i>Calendar of Events</i>	12

President's Message

Alyse Stofer

The National Conference in Birmingham was just a couple of weeks ago and I am already looking forward to the next National Conference in Milwaukee, October 13-16, 2004. Throughout the conference, I had the opportunity to meet remarkable women engineers from across the country, and I also gained many new insights and perspectives on SWE programs and membership. Our section, as well as the Society, accomplished a great deal at this conference. I am happy to announce that the new bylaws were approved along with setting a base level for the Contingency Reserve Fund. A special thanks to our COR, Allison Pedersen and Julie Long, as they spent countless hours over the past couple of years reviewing and collaborating on the bylaws in order to make certain they best represented the Society and our future.

Additionally, at the National Conference the Minnesota Section and University of St. Thomas student section were both honored with awards. I am excited to announce that the Minnesota Section won the Strategic Communication Award. The award is aligned with the Society's goal "to be the recognized authority on, and advocate for, women in engineering." Thank you Susan Thomas for putting together a fantastic award portfolio. Congratulations to the entire FY03 SWE-MN Communications Committee including Jayshree Desai, Alla Geretz, Julie Long and Susan Thomas. Congratulations also to the University of St. Thomas student section for third place in the outstanding small student section competition.

The Strategic Communication Award recognized our section's effort to make our members and prospective members aware of upcoming programs and events through our website, e-mail and newsletter announcements, radio interviews and newspaper advertisements. This year I hope that we can continue to encourage and increase participa-

tion through our public relations. In fact this time of year we often revisit the value of our SWE membership.

If you have not renewed your membership yet, I encourage you to renew so that you don't miss the opportunity to leverage the benefits of your SWE membership. Not only do you have the chance to gain valuable leadership experience through participation in the Executive Council or committee involvement, you have the opportunity to participate in outreach, professional development and networking events, as well as receive the SWE-MN newsletter and the Society's award-winning SWE magazine. If you have already renewed your membership, thank you and I hope that by exploring new perspectives you can continue to leverage the benefits of SWE. For instance, the "Free Pass" program is available to any member, allowing you to bring a guest for free to an upcoming event. Additionally, there are still numerous volunteer possibilities throughout FY04 for you and your employer.

Last year we were again able to increase our membership numbers, so this year the Executive Council is focused on membership retention and better serving our members by getting to know SWE-MN. If you have any suggestions on how the SWE-MN section can offer additional benefits or more membership opportunities, please contact me. I look forward to seeing you at an upcoming event and remember to visit our website at www.swe-mn.org for the latest program details, or www.societyofwomenengineers.org to renew your SWE membership or even look for career opportunities.



**SWE-MN
Executive Council**

President

Alyse Stofer
651-481-7410
president@swe-mn.org

Vice President

Tracy Engnes
vp@swe-mn.org

Secretary

Jessica Raby
secretary@swe-mn.org

Treasurer

Liz Lehrkamp
treasurer@swe-mn.org

COR

Allison Pedersen
cor@swe-mn.org

COR

Julie Long
cor@swe-mn.org

Membership

Laura Thysell
membership@swe-
mn.org

Programs Co-Chair

Caroline Koerner
programs@swe-mn.org

Programs Co-Chair

Cheri Maboudou-Tchao
programs@swe-mn.org

Outreach Co-Chair

Tara Dorn
outreach@swe-mn.org

Outreach Co-Chair

Holli Pheil
outreach@swe-mn.org

COR Report

Allison Pedersen & Julie Long

The new National bylaws were the focus of several SWE business meetings at the National Conference in Birmingham, October 9-11. At the Council of Representatives (COR) Meeting the, new bylaws unanimously passed.

The most significant changes within the SWE organization based on the new bylaws will be:

- Composition of the Board of Directors (BOD)
 - President
 - President-Elect
 - Secretary
 - Treasurer
 - 4 Directors (Vice Presidents) – currently there are only 3 VPs on the BOD
 - Director of Regions – focus on section vitality and also BOD liaison for the Region Governors (Directors), who are no longer on the BOD
 - Council Speaker – the Council’s advocate, voice, and point of contact and also the BOD liaison for the COR
 - Special Director – elected by the BOD for specific tasks
 - Executive Director – only non-voting member of the BOD
- Duties of the BOD
 - Transact business and manage properties of the Society
 - Carry out it’s fiduciary responsibilities
- Duties of the COR
 - Focus on chartering strategic direction of SWE
 - Develop statements of external policy
- Duties of Region Governors (Directors)
 - Focus on section vitality within the region

The COR has still kept responsibility for business items such as approving bylaws, setting individual dues, and establishing policies of use on the Contingency Reserve Fund (CRF). At the COR Meeting the Finance Committee brought forth a motion to adopt a resolution to amend and restate the CRF document.

The most significant changes to the CRF document are:

- A base level is now defined in the document (110% of the audited general operating expenses)
- If the fund is below the base level, then use is restricted to emergencies or contingencies and COR approval is required
- When the base level is achieved, then the BOD can authorize access to funds above that level without needing to meet the current “important one-time special projects or capital expenditures” restriction

Also at Conference, several other SWE business meetings took place, including the Membership Meeting, Region H Meeting, and Pre-Council Meeting. The highlights of these meetings were the Student Transition Team update, the Council FIG updates, and a session on SWE External Affairs and Public Policy.

Please contact either Allison Pedersen or Julie Long if you would like additional information on any of the meetings that took place at the National Conference. The next COR Meeting will be held during the National Conference in Milwaukee, October 13-16, 2003.



Open House Recap

Cheri Maboudou-Tchao & Caroline Koerner

Forty-five people participated in the SWE-MN Open House held September 10 at Walter Library on the University of Minnesota's campus. Of the participants, sixteen people were attending their first SWE-MN meeting. A special thanks to those people joining SWE for the first time! We hope to see all of you at future events.

The formal program focused on previewing SWE-MN's upcoming activities and the introducing the Executive Council members' responsibilities. The networking portion of the event enabled participants to view the exhibit "Petticoats and Slide Rules: SWE, A History of Women Engineers", which has been on display at the U's Walter Library since June. Various appetizers were served.

University of St. Thomas Recognized in OSS Competition

Naomi Brill

The University of St. Thomas student section received third place in the national Outstanding Small Student Section competition this year. They were recognized for their innovative fund raising efforts. UST is no longer considered a "new" student section, so this year they were competing with *ALL* student sections in the country with fewer than 35 members. Congratulations UST SWE on receiving this coveted award!

Scholarship -- Naomi Brill & Leanne Knutson

Corporate solicitation letters for SWE Minnesota's Partnership Scholarship Program have been sent out. If you think your employer would be interested in sponsoring a \$1,000 scholarship for Fall 2004 semester, please check with Leanne Knutson (leanne.knutson@emersonprocess.com) to receive an information packet—you can deliver it to your college relations personnel, or we will do it for you. We appreciate help spreading the word about our program.

The scholarship committee is now turning their attention to funding a civil and/or environmental engineering scholarship. If you work in those fields, and have any hints on the best way to approach companies in these industries for scholarship funding, we'd love to hear from you. Contact Leanne (see above) or Naomi Brill (nbri11323@yahoo.com).

**A Special Welcome to Our
New SWE-MN Members**

Melany Arjona
Katie Kirchner
Kari Larson
Emily Roland
Holly Woodson

Awards & Recognition

Susan Thomas
awards@swe-mn.org

U of Minnesota Counselor

Sharon Kurtt
counselors@swe-mn.org

U of St Thomas Counselor

Naomi Brill
counselors@swe-mn.org

Fund Development

Liz Lehrkamp
fund@swe-mn.org

Newsletter Editor

Sarah Schostag
newsletter@swe-mn.org

Public Relations

Jayshree Desai
pr@swe-mn.org

Scholarship Co- Chair

Naomi Brill
scholarships@swe-mn.org

Scholarship Co- Chair

Leanne Knutson
scholarships@swe-mn.org

Speakers Bureau

Laura Kerdus
speakers@swe-mn.org

Webmaster

Jen Nolan
webmaster@swe-mn.org



October Creative Memories
Tour Summary
By Cheri Maboudou-Tchao

HOFFMAN PROGRAM RECAP
By Laura Goetzke &
Karen Zais

On Saturday, October 4th, 16 people attended the Creative Memories Technology Center tour in St. Cloud. This included three SCSU student members and one NDSU student member. The tour began with a brief company introduction by Amanda LeBlanc, who is the Technical Information Specialist. Creative Memories is a photo preservation company and has over 80,000 consultants worldwide and is one of the top five direct sales companies in the world. The Creative Memories Technology Center was built in 1997 and the Test Lab officially began in 1998.

Next, the group was divided into two groups. Senior Materials Scientist Joe O'Shanka and Senior Paper Scientist Ken Henderson gave us detailed tours of the Test Lab. The Test Lab rigorously tests and examines the products in The Creative Memories Collection®. They perform several different color tests using a colorimeter which displays products in different types of lighting and accelerated aging chambers which can apply temperature and humidity to the products. They have a printer area where they use printers from nearly every manufacturer to test out their digital paper. They also have an environmental chamber which keeps the temperature at 23°C and relative humidity at 50%. It's in this chamber that they perform abrasion tests on textiles and measure color transfer, simulate tears, and even use a specially designed album page tester that can perform 10,000 page cycles in a 12 hour period. They also have a wet chemistry lab where they can test parameters such as pH levels and they utilize many other pieces of equipment including thermoanalyzer equipment and a weather tester.

Amanda then gave us a tour of the rest of the Technology Center including the IS, Sales, Marketing, Communications, Consultant Services and the Spanish employee owners sections to name a few. They have a very impression open office environment filled with bright colors.

The event ended with lunch and networking at the Granite City Brewery.

SWE-MN hosted the Hoffman Program at the University of Minnesota, on Saturday, September 17th. The program, presented by Jean Cathcart and Susan Keller from SWE's National Career Guidance Committee, focused on helping guidance counselors, math and science teachers, parents, and SWE members feel better prepared to encourage junior high school girls to remain interested in math and science and to consider engineering as a career. Topics covered by the presenters included Self Esteem, Engineering Disciplines, Mentoring, Hands-On Projects, and Resources. In addition to these topics, attendees had an opportunity to visit the Petticoats and Slide Rules exhibit. Funding for the program was provided by the Hoffman Trust Fund, which is devoted to improving guidance counseling for junior high school girls. The program received an enthusiastic response from all in attendance.



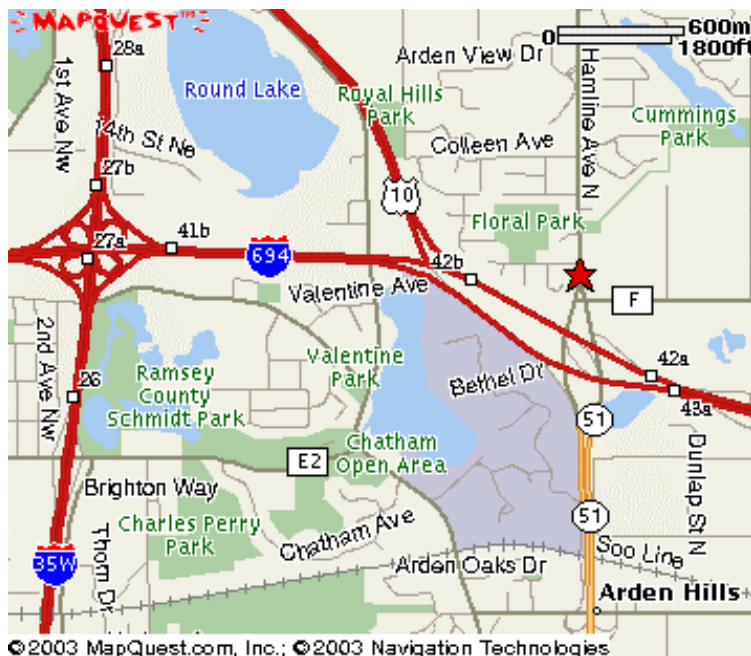


**SOCIETY OF WOMEN ENGINEERS MINNESOTA SECTION
 NOVEMBER 2003 PROFESSIONAL DEVELOPMENT MEETING NOTICE
 Leveraging Shared Visions: Guidant Corporation
 Women’s Cardiovascular Health Presentation by Janet Babka”**

Guidant Corporation pioneers lifesaving technology, giving an opportunity for a better life today to millions of cardiac and vascular patients worldwide. Guidant was incorporated in 1994, and since has grown to \$3.2 billion in revenue and more than 11,000 employees. Corporate headquarters are in Indianapolis, with major operations in California, Minnesota, Texas, Washington, Puerto Rico and Ireland. The company, driven by a strong entrepreneurial culture of 11,000 employees, develops, manufactures and markets a broad array of products and services that enable less invasive care for some of life’s most threatening medical conditions

Janet Babka, Director Quality Information Technology, will speak on women’s cardiovascular health. This will be followed by a tour of the facility and/or a demonstration of medical devices.

- When:** Wednesday November 12th, 2003
 6 PM dinner
 7 PM speaker/tour/demonstration
- Where:** Guidant Corporation
 4100 Hamline Ave N., St. Paul, MN 55127
- Cost:** Presentation & Dinner: \$10 for
 SWE members or \$13 for non-members
 Presentation ONLY: \$5 for SWE members
 or \$7 for non-members



Cancellations by Nov. 10th will receive a full refund.
 No refunds issued after Nov. 10th.

RSVP: by Monday, Nov. 10th by returning the form below or emailing cheryl.maboudou@emersonprocess.com

Dinner: Dinner will be provided by Guidant.

Directions to Guidant Corporation:

From 694 exit onto Lexington Ave and go North. Turn left onto County Road F. Turn right onto Hamline Avenue and turn right into the first driveway. The parking lot is on the right.

Questions: Call or email Cheri at 952-828-3594 or cheryl.maboudou@emersonprocess.com

Please fill out this form and return it by the RSVP date if you will be attending the November 12th Professional Development Meeting, “Guidant Corporation – Women’s Cardiovascular Health Presentation by Janet Babka”

Name: _____

Company: _____

Email: _____

_____ Presentation and Dinner

_____ Presentation Only

Send this form and check (made out to SWE-MN) by November 10th to:

Rosemount Nuclear Instruments, Inc.
 Attn: Cheryl Maboudou-Tchao
 M/S: PE16
 8200 Market Blvd
 Chanhassen, MN 55317



Sharing Your Vision

Emerson Process Management is a leading global supplier of products, services, and solutions that measure, analyze, control, automate, and improve process-related operations. Emerson's Rosemount division has exciting career opportunities in the Minneapolis area for individuals interested in being a part of a forward thinking team on the cutting edge of technology.

Send your resume and cover letter to:
Human Resources, M/S PL16
Emerson Process Management
Rosemount Division
8200 Market Boulevard
Chanhassen, MN 55317

Rosemount is an equal opportunity employer.

Electrical Engineers
Software Engineers
Mechanical Engineers
Marketing Engineers

www.emersonprocess.com/Rosemount

ROSEMOUNT

EMERSON
Process Management

EMERSON. CONSIDER IT SOLVED.

Member News

Congratulations to Christina and Dan Wetenkamp on the birth of their son, Jonathan.

Jonathan was both on March 28, 2003 at 10:03am. He was 20 inches long and weighed 7 lbs. 7 ozs.



Every SWE member is entitled to one "free pass" to give to a non-member to attend one meeting this year at no cost. You can bring a friend to an upcoming meeting or save your "free pass" for the annual Spring Seminar - it's your choice!

SWE Member's Name: _____
Friend's Name: _____
Meeting Date: _____





SWE-MN Holiday Party



Date: Saturday, December 6, 2003
Time: 1 PM to 4 PM
Place: Rosemount Inc.
RSVP: By Wednesday, December 3rd to holidayparty@swe-mn.org

Appetizers: A variety of beverages and appetizers will be supplied by SWE. Please RSVP with the number of adults and children that will attend.

Questions: E-mail holidayparty@swe-mn.org



Charity: We will be accepting unopened personal care items for Women's Advocates, Inc. in St. Paul. Their mission is to eliminate violence in the lives of battered women and their children. They were the first shelter for battered women and their children in the United States. For further information go to www.wadvocates.org. (Personal care items include lotions, shampoo, soap, toothpaste, combs, brushes, toothbrushes, dental floss, shower caps, nail files and cosmetics such as lipstick, blush, mascara, and nail polish. Hotel-sized soaps and shampoos work well. They have a large need for beauty items for African American hair and skin.)

Gift Exchange: For each individual that would like to participate in the gift exchange game, please bring a wrapped \$5 gift to exchange.

Directions: Rosemount-Emerson Process
 8200 Market Blvd
 Chanhassen, MN 55317



From the East

Take the Hwy 212 W
 Move into the right lanes to take Hwy 5 West
 Continue on Hwy 5 to Chanhassen
 Turn left on the Market Blvd/Hwy 101 S exit
 Take the 2nd right
 The main entrance is straight ahead



From the South

Take Hwy 35W North to I494
 Take I494 W
 Take the Hwy 5 West Exit
 Continue on Hwy 5 to Chanhassen
 Turn left on the Market Blvd/
 Hwy 101 S exit
 Take the 2nd right
 The main entrance is straight ahead

From the North

Take I494 S
 Take the Hwy 5 West Exit
 Continue on Hwy 5 to Chanhassen
 Turn left on the Market Blvd/Hwy 101 S exit
 Take the 2nd right
 The main entrance is straight ahead



Take the Lead

Get a M.S. in the Management of Technology



Catherine Myers, MOT '01
Software Product Manager
Visual Circuits Corporation

Whether it's your company or your career, staying competitive is important. Take the lead by going beyond the typical MBA degree. The master of science in the Management of Technology (MOT) combines business know-how with technology savvy, strategically positioning our graduates. It's designed especially for working engineers and scientists.

MOT—the new generation of management thinking

Upcoming Info Sessions—call for details

Learn more today!
call 612-624-5747

EMAIL: mot@cdtl.umn.edu WEB: www.cdtl.umn.edu



UNIVERSITY OF MINNESOTA
INSTITUTE OF TECHNOLOGY

The University of Minnesota is an equal opportunity educator and employer.

M.S. DEGREES FOR WORKING ENGINEERS AND SCIENTISTS



THE UNIVERSITY OF MINNESOTA IS AN EQUAL OPPORTUNITY EDUCATOR AND EMPLOYER

Accelerate your high-tech career in just 2 years

Earn a master of science degree in two years without leaving your job. At the University of Minnesota, technical professionals can choose a graduate program that moves at the pace of industry.

- Infrastructure Systems Engineering
- Management of Technology
- Software Engineering



Call us to advance your career. 612/624-5747

UPCOMING INFO SESSIONS. CALL FOR DETAILS.

UNIVERSITY OF MINNESOTA
INSTITUTE OF TECHNOLOGY

E-MAIL: degrees@cdtl.umn.edu WEB SITE: www.cdtl.umn.edu

The SWE-MN newsletter is published five times per fiscal year - September, November, January, March and May. Submit articles to the newsletter editor. SWE annual membership includes a subscription to this newsletter. To place an ad or sponsor a newsletter, contact the editor.



SWE-MN, and especially the SWE-MN members that are University of North Dakota alumni, would like to congratulate Joyce Medalen for receiving the Distinguished Service Award during the 2003 SWE National Conference. This award recognizes a SWE member, affiliate or associate who has made significant contributions to the Society of Women Engineers. The award recognizes committed service, leadership and devotion to SWE, with focus on efforts that have enabled the Society to successfully fulfill its mission. Joyce definitely fits this description with her exemplary performance as a SWE Counselor at the University of North Dakota providing guidance and leadership to the UND-SWE student section for over 25 years. She has been instrumental in developing programs to encourage young people to enter the engineering field and in obtaining funds to support these programs. Through her leadership, members of the UND-SWE student section have taken an active leadership role in the national, regional, state, and local activities.

Joyce's career at UND spans 35 years, and in 1974 she was appointed Director, Women in Engineering for the School of Engineering and Mines. During her over 25 years as the UND-SWE Counselor, some of the section's greatest accomplishments include raising funds to endow three engineering scholarships and two annual awards; hosting a number of engineering conferences and SWE regional conferences; carrying out an extensive outreach program for approximately 1,800 individual students; and securing funds to support these activities. As a result of programs developed by Joyce, the number of women enrolled in engineering programs in the School of Engineering and Mines rose dramatically. From 1904 to 1971, only eight women received engineering degrees from the University of North Dakota. By 1975, four years later, the enrollment of women engineering students had increased from 1 percent to 10 percent. Later, the enrollment of women reached 20 percent of all engineering students.

SWE-MN would like to thank Joyce for being a great role model to all SWE members and for her continued dedication to SWE. We are very pleased that she was recognized by SWE for her many accomplishments. More details on Joyce Medalen and her achievements can be found in the Conference 2003 issue of the SWE Magazine. Congratulations to Joyce again on receiving the Distinguished Service Award.

CONGRATULATIONS TO THE MINNESOTA
SECTION FOR RECEIVING THE BEST
STRATEGIC COMMUNICATIONS AWARD
FOR A LARGE SWE SECTION!

Joyce Medalen (UND-SWE) Receives
"Distinguished Service Award"
at SWE National Conference
By: Allison Pedersen



The SWE-MN Outreach Committee organizes and participates in events where members present engineering experiments to elementary through high school age students. These demonstrations help get students interested in math and science and educate them about future career possibilities in engineering and science.

Some of our goals for the year are: to organize an event in conjunction with another organization (i.e. Girl Scouts), to participate in an event with each of the local student sections (University of Minnesota and University of St. Thomas), and to develop a SWE-MN video as an outreach tool. To meet these goals, we will need lots of help. Keep watching the SWE-MN newsletter and the website for more outreach volunteer opportunities, and let us know if anything sparks your interest and if you are available to help.

Currently, we are looking for volunteers for the following outreach event:

Nurture Young Engineers of the Future!

Participate in the 2004 National Engineers Week **Future Cities Competition**.

Judges are needed! Recruitment of judges begins soon. If you are interested, you are encouraged to contact Marilyn Nelson, to be placed on a direct contact list (manelson@ecsu.k12.mn.us).

Judges are needed for the following phases of FCC:

- ** *Judge Computer cities!* At FAIR School in Crystal, in early December.
- ** *Judge Essays!* Essays posted by 1/12/04, score sheets due by 1/16/04.
- ** *Judge team oral presentations & scale models!*
At FAIR School in Crystal, 1/31/04, 8 AM-12 PM.

For detailed information on judging for Future Cities, visit the website at: www.successbeyond.org/fccjudge.htm, or contact Holli Pheil or Tara Dorn at outreach@swe-mn.org.





Goin' to the Chapel...

*Anne Adrian to Ed Kraft will be married on
November 11 in Hawaii*

AWARDS & RECOGNITION
by Susan Thomas

SWE-MN member Allison Pedersen was nominated by the Section for the "New Faces of Engineering 2003: A Recognition Program Sponsored by National Engineers Week". Allison is a Project Engineer for Goodrich Corporation and is involved in software project management of an air data system for a military upgrade program.

The New Faces of Engineering strives to promote the accomplishments of young engineers by highlighting their engineering contributions and the resulting impact on society. The campaign is designed to enhance and improve the image of engineering by:

- putting faces to what has often been referred to as "the stealth profession";
- showing a group of young, diverse & talented engineers, thereby portraying engineering as an exciting profession open to everyone;
- providing both stimulation & incentive for college engineering students to explore the variety of career options available to them with their engineering degrees as well as encouraging high school students to study engineering in college;
- help students understand they are part of a global profession.

Criteria for recognition included engineers two to five years out of school.

Congratulations



Rebecca Bates received her PhD in
Electrical Engineering

Pam Morrison received her Masters Degree
in Engineering Management

November 12th	Professional Development Meeting at Guidant (see page 5)
November 17	SWE EC Meeting
December 6th	SWE-MN Holiday Party (see page 7)
January	Professional Development Meeting at Eaton
February 6-8	Region H Conference
February 19th	Professional Development Meeting at Boston Scientific
March 6th or 13th	SWE-MN Spring Professional Development Seminar at Medtronic

Visit our website at www.swe-mn.org



SOCIETY OF WOMEN ENGINEERS
PO BOX 582813
MINNEAPOLIS, MN 55458-2813

CHANGE SERVICE REQUESTED