

IEEE-USA GOVERNMENT RELATIONS COUNCIL

2010 ACTION PLANS

30 March 2010

IEEE-USA 2010 ANNUAL PLAN

Program/Committee:	Career & Workforce Policy Committee
Department:	<i>Government Relations</i>
Vice President:	<i>Jim Jefferies</i>
Chair:	<i>Hank Lindborg</i>
Staff:	<i>Vin O'Neill</i>
Goal(s):	To advance the career-related policy interests of electrical, electronics and computer engineers and related information technology professionals with a specific focus on the career needs of IEEE's U.S. members and the overall health of the U.S. engineering workforce.
Annual Objectives:	<ul style="list-style-type: none"> • <u>Competitiveness and Innovation</u> – Promote enactment of Federal legislation <i>and the implementation of policies</i> to help sustain U.S. technological leadership, promote economic competitiveness and create high wage/high value added jobs in science, technology, engineering and math (STEM) fields in the United States. • <u>Education and Lifelong Learning</u> – Continue to promote enactment of Federal legislation to improve the quality of science, technology, engineering and mathematics (STEM) education in grades K-12 and enable more Americans to pursue university degrees and continuing professional education in STEM fields. [STEM Education Coalition] • <u>Health Care Accessibility and Affordability</u> – Support the enactment of Federal legislation to increase health care accessibility and affordability for the employees of small businesses, association and professional society members and the self-employed. [National Association for the Self-Employed/ Small Business Health Care Coalition] • <u>Retirement Security</u> – Promote the enactment of Federal legislation to increase financial security in retirement by: strengthening tax-favored retirement savings programs; reforming Social Security; and implement phased retirement for older workers. [Retirement USA and the Savings Coalition of America] • <u>High Skills Immigration Reform</u> – Promote increases in the availability of permanent, employment-based (EB) visas; expedite the transition of foreign students with advanced degrees in STEM fields from U.S. schools to legal permanent resident (LPR) status; reform temporary, employment-based admissions programs and streamline visa processing for short

term visitors [Employer, Educational, Immigrant, Labor and Professional Organizations]

High Skills Workforce Development – Promote improvements in high skills workforce development programs in the aerospace, computer and information technology and energy industries. [Joint initiatives involving IEEE technical societies and industry trade associations].

Workforce Globalization – Encourage public and private sector assessments of the impact of offshore outsourcing on high tech employment in the United States and its long-term implications for America’s technological leadership, economic vitality and national security. [House Science & Technology Committee].

Member Communications

- Publish updated editions of Ten Tax-Favored Ways to Save for Retirement and An Engineers Guide to Educational and Employment-based Visas as E-Books [Staff]
- Publish 21st century engineering workforce statistics (education, employment, salaries and job projections) in an on-line format [Staff]
- Expedite the dissemination of careers and workforce policy information in Today’s Engineer (6), at IEEE Conferences (2) and in instructional webinars (2).

Member Education

- Continue to offer Career Survival/Makeover Workshops in conjunction with CWPC meetings with help on promotion, registration and facilities from local IEEE sections.
- Repackage career survival/makeover workshop content for distribution as a series of interactive webinars.

Multi-Generational Workforce Research Project

- Publish findings, conclusions and recommendations from survey research conducted in 2008 to help improve the professional productivity and personal satisfaction of younger, mid-career and older participants in today’s multi-generational engineering workforce. [Lahdhiri, Lindborg,

	<p>Perkins and IEEE-USA staff]</p> <p>Organizational Outreach</p> <ul style="list-style-type: none"> • Continue to hold meetings with employers of engineers and with local IEEE section leaders in conjunction with CWPC business meetings. • Maintain staff liaison with the Engineering Workforce Commission (AAES) and establish an individual member relationship with the Commission on Professionals in Science and Technology (AAAS). [Staff] • Identify and develop opportunities to partner with internal IEEE and external entities (employer organizations, educational institutions and government agencies) on careers and workforce policy issues of mutual concern. <p>Committee Membership</p> <ul style="list-style-type: none"> • Refresh committee membership listings; identify and recruit Regular, Resource, Section and Society Representatives and Corresponding members.
<p>Activity Schedule/Calendar:</p>	<p>Hold two face-to-face committee meetings in 2010 and teleconference meetings as needed..</p> <ul style="list-style-type: none"> • 30 April-May 1 (DC) • Fall (TBD)
<p>Target Benchmarks/Performance Metrics:</p>	<p>1. Complete listed objectives</p>
<p>Budget:</p>	<p>\$30.6K (modified \$65.6K)</p> <p>\$20.0K – Committee travel \$ 2.0K – Staff Travel \$ 2.5K – Consultants \$ 2.0K - Memberships/Coalitions \$ 4.1K – Misc. Exp. (copying, postage, supplies and telephone) \$35.0K – Morrison Public Affairs Group (Immigration Advocacy)</p>

IEEE-USA 2010 ANNUAL PLAN

Program/Committee:	Committee on Communications Policy
Department:	<i>Government Relations</i>
Vice President:	<i>Jim Jefferies</i>
Chair:	<i>Eric Burger</i>
Staff:	<i>Deborah (Debbie) Rudolph</i>
Goal(s):	The CCP mission statement is to promote formulation of sound legislation, regulation and policies relating to communications technologies. The following 2009 Objectives are in support of that mission.
Annual Objectives:	<p>1. CCP Action Items: Identify issue areas to be addressed by CCP this calendar year. <u>Planned Activities/Output :</u></p> <ul style="list-style-type: none"> ▪ Develop/update as appropriate supporting Position Statements and White Papers for the identified issues. ▪ Review all current Position Statements for appropriateness and timeliness. <p><u>Legislative or Regulatory Goals</u></p> <ul style="list-style-type: none"> ▪ Provide guidance through the IEEE-USA as appropriate for these issue areas: <ul style="list-style-type: none"> • New Technologies for Fostering Broadband Access • Cybersecurity • Network Traffic Management • VOIP • Online Authentication • Security, privacy and transparency • FCC and Spectrum Policy Reform <p>Note: CCP will remain attentive to other issues which may arise during the course of the year.</p> <p>2. External Outreach: Work with coalitions and others to advance legislative and regulatory issues. <u>Planned Activities/Output:</u></p> <ul style="list-style-type: none"> ▪ Support Congressional Internet Caucus on related issues. <p><u>Legislative or Regulatory Goals</u></p> <ul style="list-style-type: none"> ▪ Review FCC Broadband Strategy Report to Congress in March. <p>3. Communications: Update CCP Website monthly to keep it current with Position Statements, White</p>

	<p>Papers, Legislative Support letters, etc. <u>Planned Activities/Output:</u> Keep Webpage up to date.</p>
<p>Activity Schedule/ Calendar:</p>	<p>Target is to hold five “Committee” level meetings and/or telephone conferences during the course of the year. These meetings will be announced well in advance so those wishing to attend will have adequate time to make travel arrangements. All meeting will include teleconference (dial-in) capabilities with selected meetings exploring the use of web-meetings (focus on this capability will be for final document editing/approval).</p> <p>It is anticipated that additional “focused” working group meetings will be called on an Ad Hoc basis.</p>
<p>Target Benchmarks/ Performance Metrics:</p>	<p>None specified.</p>
<p>Budget:</p>	<p>\$14.3K</p> <p>\$5.0K – Committee Travel \$4.0K – Committee Meetings \$4.0K – Staff Travel \$0.5K – Copying & Duplicating \$0.3K – Postage \$0.5K – Telephone/Teleconferencing</p>

IEEE-USA 2010 ANNUAL PLAN

Program/Committee:	Critical Infrastructure Protection Committee
Department:	<i>Government Relations</i>
Vice President:	<i>Jim Jefferies</i>
Chair:	<i>Marc Apter</i>
Staff:	<i>Deborah (Debbie) Rudolph</i>
Goal(s):	The CIPC mission to foster and assist policy initiatives on a wide range of critical infrastructure issues including the management of risk, i.e., deter threats, mitigate vulnerabilities and minimize consequences -- physical, cyber and people. The following Objectives are in support of that mission.
Annual Objectives:	<ul style="list-style-type: none"> • Obtain committee members. • Review existing position statement on critical infrastructure protection and submit any changes for approval by November 2010. • Prepare and complete two White Papers on specific topics by November 2010 on topics to be determined. • Establish a list and schedule for future White Papers. • Assist MTPC in developing position statements on: <ul style="list-style-type: none"> ○ Enhancing the Effectiveness of the Public Health System Against Terrorist Threats Through the Use of Information Technologies ○ Homeland Security Operations and Use of Personally Identifiable Health Information
Activity Schedule/Calendar:	Hold teleconference meetings as necessary. Conduct the majority of Committee business by e-mail.
Target Benchmarks/Performance Metrics:	None identified.
Budget:	\$0.0K (Teleconferencing and related costs covered by VP's discretionary account)

IEEE-USA 2010 ANNUAL PLAN

Program/Committee:	Energy Policy Committee
Department:	<i>Government Relations</i>
Vice President:	<i>Jim Jefferies</i>
Chair:	Mayer Sasson
Staff:	Bill Williams
Goal(s):	To contribute to the rational formulation of energy and environmental technology legislation, regulation and policy in the United States through the provision of sound technical and professional counsel, based upon the best resources that the IEEE can bring to bear upon the issues.
Annual Objectives:	<ol style="list-style-type: none"> 1. Host Annual Energy Fly-in 2. Host a Congressional Briefing on a topic TBD 3. Successfully support passage of legislative language consistent with the IEEE-USA National Energy Policy Recommendations in any comprehensive energy legislation (S.1642 and/or HR.2454) 4. Complete the following positions statements: <ol style="list-style-type: none"> a. Expansion of Nuclear Power b. Renewable Energy 5. Update the following Position Statements <ol style="list-style-type: none"> a. National Energy Policy Recommendations b. Principles for a Restructured Electrical Industry 6. Complete the following background white papers for the National Energy Policy Recommendations sections: <ol style="list-style-type: none"> a. “Electrification of Transportation” b. “Energy Efficiency” c. “Stronger and Smarter Electrical Energy Infrastructure”
Activity Schedule/Calendar:	<ul style="list-style-type: none"> • May 17-18 Energy Fly-In • TBD Congressional briefing • Jan. 28 Committee Meeting • March 19 Committee meeting • TBD Subsequent Committee meetings
Target Benchmarks/Performance Metrics:	<ul style="list-style-type: none"> • Conduct at least one Congressional Briefing • Host Annual Energy Fly-in • Provide Testimony before Congressional Committee • Effectively Promote Energy Policy Committee Recommendations as Congress debates Energy Legislation • Effectively Support Passage of Energy Storage legislation

Budget:	17.3 K <i>Committee Travel 6.0</i> <i>Meeting Accommodations 5.0</i> <i>Staff Travel 4.0</i> <i>Copying and Duplicating 0.3</i> <i>Postage 1.0</i> <i>Telephone 1.0</i>
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IEEE-USA 2010 ANNUAL PLAN

Program/Committee:	<i>Government Fellows Committee</i>
Department:	<i>Government Relations</i>
Vice President:	<i>Jim Jefferies</i>
Chair:	<i>Marc Apter</i>
Staff:	<i>Erica Wissolik</i>
Goal(s):	<i>To provide a unique educational opportunity to IEEE members, and to support IEEE-USA's goal of providing timely technical advice and assistance to the Legislative and Executive Branches, the committee will recruit, select and arrange appointment of qualified IEEE members as IEEE-USA Government Fellows in the U.S. Congress and in Department of State.</i>
Annual Objectives:	<ul style="list-style-type: none"> • <i>Solicit applications, recruit and select two (2) IEEE-USA Congressional Fellows to begin in January 2011; and one (1) IEEE-USA Engineering & Diplomacy Fellow to begin in January 2011.</i> • <i>Provide support and assistance to 2010 Congressional Fellows, and arrange opportunities for interaction between current Fellows and Fellows alumni with IEEE-USA policy committees and other IEEE entities/events.</i> • <i>Explore and take advantage of new Fellowship opportunities if/as they arise.</i>
Activity Schedule/Calendar:	<p><i>Jan 1 - Fellowships commence (<u>unless fellow has negotiated an alternative start date</u>)</i></p> <p><i>Jan - IEEE-USA Board selection of new GFC members</i></p> <p><i>Mar 15-Fellows application Deadline</i></p> <p><i>April 5 - GFC Teleconference for Finalist Selection (1:00pm eastern)</i></p> <p><i>April 27-28 - Interviews and selection (Washington, DC)</i></p> <p><i>April 27 - Dinner with 2010 Fellows (DC, restaurant TBD, 6:30pm)</i></p> <p><i>May - IEEE-USA Board Review of selected candidates</i></p> <p><i>May - Negotiations with Selected Fellows</i></p> <p><i>August - Update On-Line Application Kits</i></p> <p><i>August - Today's Engineering Article on the Fellows Program</i></p> <p><i>Sept - AAAS Orientation for 2011 Fellows</i></p> <p><i>Oct - Spectrum Advertisement</i></p> <p><i>Oct - Announcement to PACE Network</i></p> <p><i>On-going - Flyer in IEEE-USA Traveling Display</i></p> <p><i>On-going - Former-fellows speakers' bureau – find opportunities to promote the program to IEEE sections etc.</i></p> <p><i>On-going - Staff Support and Assistance</i></p>
Target Benchmarks/Performance Metrics:	None identified

Budget: \$226.1K

Expense Description	Budget	Est. Actual
Fellow Stipends	\$210.0K	\$210.0K
AAAS Fellow Orientation and placement travel	\$0.0K	\$15.0K
Committee Mtg/Travel	\$9.9K	\$9.9K
Spectrum Ad	\$5.7K	\$5.7K
Misc. Exp.	\$0.5K	\$0.5K
Total:	\$226.1	\$241.1K

(\$15K shortfall to be funded through a transfer from the IEEE-USA Government Fellowship Fund)

IEEE-USA 2010 ANNUAL PLAN

Program/Committee:	Intellectual Property Policy
Department:	Government Relations
Vice President:	Jim Jefferies
Chair:	Keith Grzelak (Spokane, WA)
Staff:	Erica Wissolik
Goal(s):	To develop, evaluate and propose to Congress and the Administration proposals for intellectual property protection of rapidly changing technology. The IPC will also derive, seek appropriate approval, and promulgate IEEE-USA policy on intellectual property matters of concern to IEEE members, ensure that patent reform proposals enhance U.S. competitiveness and innovation, and promote an environment in which U.S. inventors and small businesses can thrive and succeed.
Annual Objectives:	<ul style="list-style-type: none"> • Take appropriate actions to achieve the above goals, such as the preparation of position statements, development of legislation, delivery of expert testimony, visits to legislators, and member education projects. • Advise the legislative, executive and judicial branches of the U.S. government on issues of intellectual property and its effect on protecting technology. • Ensure that patent reform proposals enhance U.S. competitiveness and innovation, and promote an environment in which U.S. inventors and small businesses can thrive and succeed. • Continue to oppose patent reform legislation as written to ensure that the voice of independent inventors is considered. • Continue to promote intellectual property protections as linked to a healthy workforce, and innovation and competitiveness.
Activity Schedule/ Calendar:	<p>The IPC will meet 3-4 times per year. Meetings are held in D.C. Conduct as many teleconferences as necessary to accomplish tasks on a timely basis throughout the year:</p> <p>4 February 2010 - First Meeting 5 February 2010 – PTO Roundtable to explore the possibility of dictionaries of the terms commonly used in patent applications; determine future actions to be taken.</p>
Target Benchmarks/ Performance Metrics:	<ol style="list-style-type: none"> 1) Hold one roundtable with the PTO and produce a follow-up document on the discussions. 2) Explore placing a fellow at PTO 3) Hold 2 meetings with PTO – to enhance current relationship with the PTO 4) Publish four new position statements.

	<ul style="list-style-type: none"> 5) Hold three meetings on Capitol Hill. 6) Produce a white paper on IP and jobs. Why is a fully functioning patent system important to generation jobs? How important are patents to start-ups? 7) Support IEEE members in awards programs by publicizing and solicit Hall of fame inventor inductees nominations. Update webpage to include info on nominations. Create an email address and ask regions to send nominee names to the address. 8) Hold at least two webinars (seven are in the works as of March 10, 2010).
<p>Budget:</p>	<p>\$28.7K</p> <p>\$26.4K Committee travel</p> <p>\$ 1.1K Meeting Expenses</p> <p>\$ 0.1K Staff Travel</p> <p>\$ 1.1K Misc. Exp. (Copying, Postage, Supplies, Telephone)</p>

IEEE-USA 2010 ANNUAL PLAN

Program/Committee:	Medical Technology Policy Committee
Department:	<i>Government Relations</i>
Vice President:	<i>Jim Jefferies</i>
Chair:	<i>Thomas Jepsen</i>
Staff:	<i>Deborah (Debbie) Rudolph</i>
Goal(s):	The overall objective of the Committee is to contribute to the rational formulation of health and medical technology legislation, regulation and policy in the United States through the provision of sound technical and professional counsel, based upon the best resources that the IEEE can bring to bear upon the issues.
Annual Objectives:	<ol style="list-style-type: none"> 1. Work with Congress on legislative and the Administration on regulatory implementation of IEEE-USA-approved health IT policies. 2. Work with government advisory committees including HITPC, HITSC, HITSP, and others on implementation of Health IT. 3. Review existing position statements for relevance and timeliness 4. Develop position statements/white papers on priority issues including: <ul style="list-style-type: none"> • Information Systems including Electronic Medical Records, Personal Health Records, and National Health Information Network • Wellness and Prevention • Services for Chronic Diseases • Security and Privacy including Confidentiality of Electronic Health Information • Wireless Applications in Health Care • Design for Use (usability) 5. MTPC will participate as a co-sponsor in the following events: <ul style="list-style-type: none"> • AIMBE Annual Meeting (21-23 Feb) • Annual National Health IT Week (14-18 June) • Sponsor Panel Session at EMB/AMA Meeting on

	<p>Wireless and Mobile Technologies for healthcare: Ensuring Privacy, Security, and Availability)22 March)</p> <ul style="list-style-type: none"> • Congressional Briefing Series (hosted by Steering Committee on Telehealth and Healthcare Informatics) (http://www.e-healthpolicy.org/seminars/Sessions2010.asp)
<p>Activity Schedule/ Calendar:</p>	<p>Hold four committee meetings in 2010.</p> <p>Meeting Dates: These meetings will be announced well in advance so those wishing to attend will have adequate time to make travel arrangements. All meeting will include teleconference (dial-in) capabilities.</p>
<p>Target Benchmarks/ Performance Metrics:</p>	<ol style="list-style-type: none"> 2. Complete listed objectives 3. Complete review of position statements and whitepapers. 4. Completion of letters, positions, papers related to above priority issues.
<p>Budget:</p>	<p>\$15.3K</p> <p>\$5.0 – Committee travel \$4.0 – Committee meetings \$4.0 – Staff Travel \$2.3 – Misc. Exp. (copying, postage, supplies and telephone)</p>

IEEE-USA 2010 ANNUAL PLAN

Program/Committee:	R&D Policy Committee
Department:	Government Relations
Vice President:	Jim Jefferies
Chair:	Martin Sokoloski
Staff:	Bill Williams
Goal(s):	To contribute to the rational formulation of research and development technology legislation, regulation and policy in the United States through the provision of sound technical and professional counsel, based upon the best resources that the IEEE can bring to bear upon the issues.
Annual Objectives:	<ul style="list-style-type: none"> • Support reauthorization of the American COMPETES Act and passage of other key legislation (see benchmarks below) • Update Position Statements on: <ul style="list-style-type: none"> ○ DOD S&T ○ Federal Support for Basic Research ○ Optimized Use of Federal Laboratories ○ Cyber Security ○ SBIR ○ Research and Development Tax Credit ○ Nanotechnology • Develop new Position Statements: <ul style="list-style-type: none"> ○ Manufacturing and Innovation ○ Education and Training of Government Technical and Programmatic Managers • Analyze and write chapter on electrotechnology R&D for annual AAAS book on Federal R&D in the 2011 budget • Plan for 2011 STEM Measures Workshop • Increase volunteer participation from sections and societies • Improve cooperation with other IEEE-USA policy committees on issues of dual jurisdiction
Activity Schedule/Calendar:	<ul style="list-style-type: none"> • 19 January – Committee Meeting • 24 March – Committee Meeting • 20 April – Engineering Public Policy Symposium • 28-29 April - SET Congressional Visits Day • 12 May – Committee Meeting • 13-14 May – AAES Forum on S&T Policy • 28 July – Committee Meeting • 10 Sept. – Committee Meeting • 1 December – Committee Meeting

<p>Target Benchmarks/ Performance Metrics:</p>	<p>1. Support Competitiveness and Innovation Legislation:</p> <p><u>Planned Outcome/Success Metrics</u></p> <ul style="list-style-type: none"> • Comprehensive Competitiveness/Innovation Legislation or Appropriations Package Passed by Congress and Signed into Law <p>2. Support Federal Funding for Science, Technology, Engineering and Mathematics (STEM) Research</p> <p><u>Planned Outcome/Success Metrics</u></p> <ul style="list-style-type: none"> • Reauthorization and full funding for the America Competes Act <ul style="list-style-type: none"> ○ Appropriations providing increased funding for NSF, NIST Core Labs, DOE Office of Science and NASA • Legislation that includes provisions dealing with <ul style="list-style-type: none"> ○ Support for Federal R&D funding increases in electrotechnology, for example: energy engineering, communications, cyber security, nanotechnology, and biotechnology. ○ Supporting the National Nanotechnology Initiative ○ Improving technology transfer by providing the public with widely known central source of information • STEM 2011 Conference/Workshop Organized
<p>Budget:</p>	<p>\$16.3K</p> <p>\$5.0K Committee Travel \$5.0K Committee Meetings \$4.0K Staff Travel \$2.3K Misc Exp. (Copying, Postage and Telephone)</p>

IEEE-USA 2010 ANNUAL PLAN

Program/Committee:	Committee on Transportation and Aerospace
Department:	Government Relations
Vice President:	Jim Jefferies
Chair:	Doug Taggart
Staff:	Bill Williams
Goal(s):	To contribute to the rational formulation of transportation and aerospace technology legislation, regulation and policy in the United States through the provision of sound technical and professional counsel, based upon the best resources that the IEEE can bring to bear upon the issues.
Annual Objectives:	<ol style="list-style-type: none"> 1. To contribute the rational formulation of federal policy in the following areas: <ol style="list-style-type: none"> a. ITAR b. Aviation Technology Complexity c. Intelligent Transportation d. NASA Reauthorization: <ol style="list-style-type: none"> i. Shuttle Gap ii. International cooperation iii. Aeronautics R&D iv. America COMPETES 2. Complete the following Position Statements <ol style="list-style-type: none"> a. Restructuring ITAR Technology Export/Import Controls b. US Economic Competitiveness and Intelligent Transportation System Technology 3. Update the following Position Statements <ol style="list-style-type: none"> a. National Aviation Safety Program b. Remote Sensing 4. Work with Annual Meeting Planning Committee to help plan “mobility” track for 2011 IEEE-USA Annual Meeting.
Activity Schedule/Calendar:	<p>Committee Meeting Dates:</p> <ul style="list-style-type: none"> • March 31 • May 24 • July 21 • Sept 22 • Nov 17 <p>TBD Congressional Briefing</p>
Target Benchmarks/Performance Metrics:	<ul style="list-style-type: none"> • Two new position statements • Update two previous position statements • Hold at least one congressional briefing • Actively participate in revival of the Aviation Coalition • Successfully participate in NASA Reauthorization • Provide Testimony before Congressional Committee on

	<p>priority legislation</p> <ul style="list-style-type: none"> • Successfully promote inclusion of NASA R&D in America COMPETES Act legislation
Budget:	<p>\$15.3K</p> <p>\$4.0K Committee Travel \$4.0K Committee Meetings \$4.3K Staff Travel \$3.0K Misc. Exp. (Copying, Postage, Supplies, Telephone)</p> <p>(? 1.5K dues for membership in the Electric Drive Transportation Association)</p>