




Operating Plan


April 05, 2019

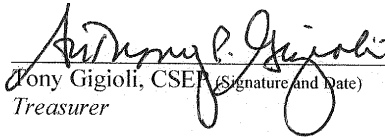
CC Operating Plan April 05, 2019

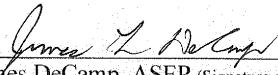
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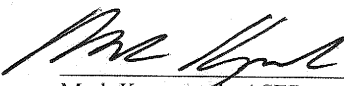
 10 APRIL 2019
Taras Mykytyn, DAWIA L3 – SE (Signature and Date)
President

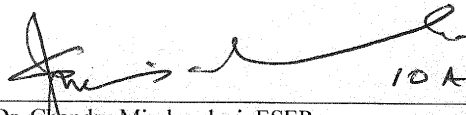
 10 April 2019
Mark Evans, DAWIA L3 – PM/Acq Certified (Signature and Date)
President-Elect

 11 April 2019
Dr. Grace Crowder, ASEP (Signature and Date)
Past President

 10 April 2019
Tony Giglioli, CSEP (Signature and Date)
Treasurer

 10 April 2019
James DeCamp, ASEP (Signature and Date)
Secretary

 10 APRIL 2019
Mark Kaczmarek, ASEP (Signature and Date)
Membership Director

 10 APR, 2019
Dr. Chandru Mirchandani, ESEP (Signature and Date)
Programs Director

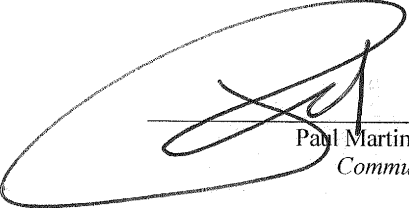
 4/10/2019
Paul Martin, ESEP (Signature and Date)
Communications Director

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1.0 Introduction

This Operating Plan is written for the Chesapeake Chapter (hereafter CC) of the International Council on Systems Engineering (INCOSE). The plan provides the detailed operating activities for the 12-month period beginning January 1, 2019 and ending December 31, 2019. The CC Fiscal Year spans the Calendar Year from January 1 to December 31. Those activities, income, expenses, and donations that have already been completed, incurred, or accrued, will be clearly identified.

This Operating Plan addresses the following areas:

- CC Events
- CC Communications
- CC Membership
- CC Technical Contributions
- CC Outreach and Collaboration
- CC Support of INCOSE
- CC Operations and Local Recognition

This 2019 CC Operating Plan should be used in conjunction with the following CC documents:

- CC Constitution and Bylaws; May 25, 2016
- CC 2017-2021 Strategic Plan (2018 Leadership Review); March 14, 2019

2.0 CC Operating Year

The Fiscal and Operating years of the CC are in effect from January 1, 2019 through December 31, 2019.

3.0 CC Organization, Committees, and Special Interest Groups (SIGs)

The CC Board of Directors (BOD) consists of the following elected positions: President, Past President, President-Elect, Secretary, Treasurer, and three Directors at Large.

The CC President oversees three permanent Committees, led by the three Directors at Large:

- a) Programs,
- b) Communications, and
- c) Membership.

Each CC permanent Committee operates under the direction of one of the Directors at Large, with goals and objectives, budgets, subcommittees, teams, and volunteers as established by the President and BOD. Responsibilities overlap when necessary to accomplish the goals and objectives of the CC. Each area of responsibility has the mission and goals set forth in the CC Strategic Plan for 2017-2021. Table 3-1 shows active CC permanent Committees, as well as CC Special Interest Groups (SIGs).

The goals, activities, and interests of the CC reflect those of INCOSE International. As an integral satellite extension of INCOSE International, all CC activities are conducted in accordance with policies and procedures recommended for all INCOSE Chapters. The CC Vision includes:

- 1) To expand systems engineering knowledge within the community through the offering of meetings, lectures, workshops, and tutorials at little or no cost to members and attendees.
- 2) To achieve significant membership growth within the region by engaging student members early and often and offering them incentives to attend monthly dinner meetings and lectures.
- 3) To maintain its position as a respected and influential professional engineering society.

Table 3-1. CC Committees and SIGs

| # | Responsible BOD Member | Committee/SIG Name | Committee/SIG Lead | Sponsoring BOD Member Name | Names of Volunteers | Charter |
|----|-------------------------|--|---------------------|----------------------------|---|---|
| 1 | Past President | Nominating | Grace Crowder | Grace Crowder | | Identify and invite potential candidates to run for vacant BOD positions prior to the election taking place. POC: Grace Crowder (past-president@incose-cc.org) |
| 2 | Programs Director | Social Committee (Holiday & SEP Galas) | Chandru Mirchandani | Chandru Mirchandani | Taras Mykytyn, Paul Martin | Planning and hosting the Holiday Party and SEP Galas. POC: Chandru Mirchandani (chandru.mirchandani@gmail.com) |
| 3 | Communications Director | Website Update | Paul Martin | | Gundars Osvalds, Noble Cates, Bee Azan, Chandru Mirchandani | Constant Contact Email blasts and Website management (Word Press (WP)/Event Espresso), and Newsletter distribution. POC: Paul Martin (communications@incose-cc.org) |
| 3a | | Newsletter Layout | | | Bee Azan | |
| 3b | | Posters for Events | | | Matt Baughman, Noble Cates | |
| 4 | President | INCOSE HQ Awards | Taras Mykytyn | Taras Mykytyn | Grace Crowder | Identify potential INCOSE award nominees. Develop necessary nomination documentation for CC awards. POC: Taras Mykytyn (president@incose-cc.org) |
| 5 | President | CC Awards | Taras Mykytyn | Taras Mykytyn | Grace Crowder, Chandru Mirchandani | Identify CC award nominees. Develop necessary nomination documentation for CC awards. Includes recognizing CC contributors and sponsors POC: Taras Mykytyn (president@incose-cc.org) |
| 6 | Treasurer | Finance | Tony Giglioli | Tony Giglioli | Taras Mykytyn, Grace Crowder | Support the development of monthly accounting and reporting of CC treasury. Complete recommended actions associated with any CC financial transactions. POC: Tony Giglioli (treasurer@incose-cc.org) |
| 7 | Secretary | Property & Data Management | James DeCamp | James DeCamp | Taras Mykytyn, Grace Crowder | Baseline and complete a log of CC inventories (e.g., electronics, awards, supplies, posters, stock items, historic items, etc.). Document the replacement value of all items. Store inventories in a BOD-approved secure climate-controlled facility. POC: James DeCamp (secretary@incose-cc.org) |
| 8 | Membership Director | Membership Statistics | Mark Kaczmarek | Mark Kaczmarek | Chandru Mirchandani, Taras Mykytyn | Maintain membership statistics and expirations to encourage lapse members to renew. New members to be added to Constant Contact members lists monthly. SEP statistics and Listing to be updated monthly to be recognized. POC: Mark Kaczmarek (membership@incose-cc.org) |
| | | New Member Outreach | Mark Kaczmarek | Mark Kaczmarek | Chandru Mirchandani, Taras Mykytyn | Support Membership Outreach. POC: Mark Kaczmarek (membership@incose-cc.org) |
| 9 | Programs Director | Programs Committee | Chandru Mirchandani | Chandru Mirchandani | Taras Mykytyn, Grace Crowder | Identify potential speakers and tutorials for CC events. Work with ESEP Summit Leadership to incorporate requested topics |

| # | Responsible BOD Member | Committee/SIG Name | Committee/SIG Lead | Sponsoring BOD Member Name | Names of Volunteers | Charter |
|----|------------------------|---------------------------------|--------------------|----------------------------|--|---|
| | | | | | | into speaker schedules. POC: Chandru Mirchandani (chandru.mirchandani@gmail.com) |
| 10 | Membership Director | Employment Committee | Mark Kaczmarek | Mark Kaczmarek | Taras Mykytyn, Grace Crowder | Provide employment referral services for members. POC: Mark Kaczmarek (membership@incose-cc.org) |
| 11 | President | ESEP SIG | George Anderson | Taras Mykytyn | INCOSE CC ESEPs | The purpose of the Chesapeake CC ESEP SIG is to leverage CC expert professionals to: <ul style="list-style-type: none"> - Share SE expert knowledge through information sharing, collaboration and mentor sponsorship for junior engineers interested in SEP programs. - Promote and facilitate advancing world-class systems engineering. - Provide recognized expert advice. - Contribute to the advancement of INCOSE International Working Groups. POC: Taras Mykytyn (president@incose-cc.org) |
| 12 | President | Certification Committee | George Anderson | Taras Mykytyn | Gundars Osvalds, INCOSE CC SEPs, Myra Parsons Gross, George Anderson | Promotes INCOSE SEP Certification through mentoring, tutorials, and information sharing. POC: Taras Mykytyn (president@incose-cc.org) |
| 13 | Past President | Scholarship SIG | Robert Levin | Grace Crowder | Taras Mykytyn | The INCOSE Chesapeake Chapter Foundation will award a \$5000 scholarship for CC members or CC Member Family Members in 2018. The scholarship will be for STEM students enrolled in college or university STEM-related programs. In addition, the CC will award a \$1000 Open STEM Scholarship. The CC will also work with the University of Maryland College Park to sponsor a \$1000 UMCP STEM-related Scholarship. POC: Grace Crowder (past-president@incose-cc.org) |
| 14 | Membership Director | Corporate Relations | Mark Kaczmarek | Mark Kaczmarek | Taras Mykytyn, Grace Crowder, George Anderson | Promotes corporate sponsorship. Maintain an active log of donations from sponsors reflecting value of donation, date of donation and expiration of donation for website presence. POC: Mark Kaczmarek (membership@incose-cc.org) |
| 15 | President-Elect | Constitution and Bylaws Updates | Mark Evans | Taras Mykytyn | Grace Crowder | Reviews and updates constitution and bylaws when needed. POC: Taras Mykytyn (president@incose-cc.org) |
| 16 | Membership Director | CC Ambassadors SIG | Mark Kaczmarek | Mark Kaczmarek | Taras Mykytyn, Grace Crowder | CC Ambassadors are expected to promote INCOSE and SE to local companies, other engineering societies, and universities, while listening for needs of these organizations that the CC could respond to. For a list of Ambassadors see Table 3-2. POC: Mark Kaczmarek (membership@incose-cc.org) |
| 17 | Membership Director | University Student Outreach | David Alldredge | Mark Kaczmarek | Taras Mykytyn, Mark Evans | Mark Kaczmarek (membership@incose-cc.org) |

One Objective within the CC Goals, is to provide a forum for industry, government, and academia to meet, collaborate, and provide current information on systems engineering topics, issues, and challenges. The University Student Outreach effort will work closely with the University of MD Graduate Program for Systems Engineering, and any other future colleges/universities interested in participating in the INCOSE-CC Chapter activities/events. Growth of the CC requires existing member active support and participation. To accomplish this, the CC BOD will periodically survey

the membership and adjust its programs based on survey results and consensus judgment. Closely associated with this effort is the continued need for effective communications and outreach within and external to the CC. This includes the important priority of advanced advertising of CC activities and maintaining an online CC Website that is current and responsive to member needs. Another CC Objective is to promote awareness and visibility of the systems engineering discipline in the engineering community; locally, nationally, and internationally.

3.1 CC Ambassadors Special Interest Group (SIG)

The CC Ambassadors SIG is made up of CC members asked to participate based on their recognized systems engineering expertise and experience. The CC Ambassadors promote INCOSE and systems engineering to local companies, other engineering societies, and universities, while listening for needs from these organizations that the CC could respond to. CC Ambassadors are expected to periodically report back to the CC BOD on discovered opportunities to promote INCOSE and systems engineering, potential speakers, particular topics of interest for CC presentations, and other opportunities for CC support. Table 3-2 lists the CC Ambassadors for 2018.

Table 3-2. CC 2018 Ambassadors

| CC Ambassador Name | Ambassador Location | Ambassador Meetings |
|-----------------------|---|---|
| George Anderson, ESEP | The Engineers Club of Baltimore | Board of Directors regular meetings |
| Mark Kaczmarek, ASEP | CC 2019 Corporate Relations Ambassador | Multiple Corporate events during 2019 |
| David Alldredge, CSEP | University of Maryland Systems Engineering Division | Multiple synchronization sessions during 2019 |
| Anthony Gigioli, CSEP | Booz Allen Hamilton Systems Engineering Leadership | Multiple Corporate Events in 2019 |

3.2 CC ESEP Special Interest Group (SIG)

The INCOSE CC Expert Systems Engineering Professional (ESEP) Summit will be convened quarterly. The Chair of this CC SIG will plan and Chair the ESEP summit and invite INCOSE International Corporate Advisory Board (CAB) members. The CC ESEPs will come together within this forum to share systems engineering expert knowledge through collaboration, promoting certification, and mentoring systems engineers interested in the INCOSE Systems Engineering Professional (SEP) program. The CC ESEP Summit Group will also:

- Promote and facilitate advancing world class systems engineering.
- Provide recognized expert advice.
- Contribute to the advancement of INCOSE International Working Groups.

This will be accomplished by:

- Meeting to discuss items of interest to inspire, share, and promote systems engineering certification, experience, and expertise.

- Fostering networking and collaboration among CC ESEPs and INCOSE Working Groups.
- Being a forum for information and knowledge exchange.

3.3 CC Scholarship Special Interest Group (SIG)

The Chair of the CC Scholarship SIG will lead the coordination with INCOSE International, INCOSE CC members, and external academic organizations to award three CC-sponsored scholarships in 2019 through the INCOSE Foundation (Chesapeake Fund):

- The CC will award a \$5000 scholarship for CC members or CC Member Family Members. The scholarship will be awarded to a selected student enrolled in a STEM-related program at any college or university. The deadline for Applications will be set at May 31, 2019. The award will be made in July 2019.
- The CC will award an Open \$1000 Scholarship to a selected student enrolled in a STEM-related program at any college or university. The deadline for Applications will be set at May 31, 2019. The award will be made in July 2019.
- The CC will work with the University of Maryland College Park (UMCP) again in 2019 to sponsor a \$1000 Scholarship to a selected student enrolled in a UMCP STEM-related program. This scholarship will be awarded via an ongoing contracted process.

4.0 CC Officer Activities

The CC Officers have the duties and responsibilities stated in Article VI of the CC Constitution and Bylaws document. In addition to the duties specified in the Constitution and Bylaws, and the overarching goals outlined in the CC Strategic Plan, the CC Officers will have the following additional assigned individual duties and responsibilities in 2019:

CC President: (for 2019, Taras Mykytyn, DAWIA SE Level 3):

- Responsible for the 2017-2021 CC Strategic Plan update; specifying the Vision, Goals, and Objectives of the CC for the five-year timeframe.
- Responsible for the 2019 Operating Plan update, including specifying duties associated with CC operations. Provide BOD Leadership training at the start of the year for existing and new CC BOD members. Work with the CC President-Elect to document evidence of this training and submit with 2019 Circle Award materials prior to the due date.
- Responsible for guiding the BOD in achieving the specific criteria for success as specified in the CC 2019 Operating Plan.
- Plan, organize, direct, coordinate, manage, and oversee all activities of the CC to include the assignment of Committee and SIG Chairs, all areas of Finance, Programs, Membership, and overall CC operations.
- Act as back-up Treasurer when needed. Any changes to Accounts Access will be voted by the CC BOD.
- Preside at CC Monthly Meetings and BOD Meetings.
- Make available to the CC BOD members prior to all BOD monthly meetings, a Draft Agenda. This is to be followed by a Final Meeting Agenda, made available to all present at meetings.
- If possible, try to attend the Business Meeting at the 2019 INCOSE International Workshop (IW) and attend the 2019 International Symposium (IS) as the primary CC Representative.

- Support the President-Elect in preparing the 2019 annual INCOSE Circle Awards for Submission in January of 2020.
- Work with the CC Programs Director to share relevant CC meeting and activity schedules with other Chapters within the region (e.g., Washington Metropolitan Area (WMA), Southern Maryland (SOMD), etc.).
- Write “The President’s Point of View (POV)” entry for each CC Monthly Newsletter, and work with the CC Communications Director to provide other Newsletter edits.
- Work with INCOSE International and the INCOSE Americas Sector Director to coordinate CC activities as necessary.
- Verify 2019 CC Calendar of Events and prepare meeting agendas in coordination with the Programs Director. Provide information to CC BOD members and CC General Membership as appropriate.
- Appoint the Chairman of the 2020 Elections Committee no later than May 15, 2019. The Committee Chairman is usually the CC Past President but may be any elected member of the BOD in good standing.
- Oversee, and assign responsibility to lead the CC Ambassadors SIG.
- Maintain one of two keys to the CC Post Office Box in Laurel, Maryland. Work with the CC Secretary (who maintains the other key) to check mail periodically.
- Assign a BOD Audit Committee with Leader to review chapter finances for the prior year (2018) by May 1, 2019. Complete the audit and present findings to membership at June 2019 Membership Meeting.

CC President-Elect (for 2019, Mark Evans, DAWIA PM Level 3/Acquisition Certified):

- Coordinate with the President, Past President, Programs Director, Communications Director, and Membership Director to remain informed, and help with CC business when necessary.
- Preside at CC Monthly Meetings and CC BOD Meetings when the President is not present.
- Assist the Membership Director on membership drives and corporate and organizational outreach.
- With the CC Communications Director, support the success of the CC Newsletter, and when asked by the President or Communications Director, provide articles and other Newsletter materials of professional interest to the CC membership.
- Work with the President and Past President throughout the year to compile and prepare evidence for the Chesapeake CC submission for the INCOSE Circle Awards for 2019. All evidence must be submitted no later than January 5, 2020. Some evidence has pre-specified times when it is due. Review the INCOSE International Wiki site for details early and often during the year.
- Chair the CC Constitution and Bylaws Update Committee, and with BOD approval select its members.

CC Past-President: (for 2019, Grace Crowder, ASEP)

- Work with the President and President-Elect to verify the 2018 CC Secretary and CC Treasurer Summary Reports.
- Help prepare evidence and work with the President and President-Elect to submit the CC application for the INCOSE Circle Awards for 2019 no later than January 5, 2020.

- Support the execution of the 2018 CC Operating Plan.
- Coordinate with the President, President-Elect, and Programs Director to ensure all CC schedules and program objectives are met.
- Coordinate with the President, President-Elect, and Membership Director to promote corporate relations and provide liaison relationships with other local engineering and professional society Chapters and activities including The Engineers Club of Baltimore, AIAA, SAE, IEEE, Association of Old Crows, and PMI Baltimore Chapter.
- Chair the CC Nominations Committee, if appointed by the President and approved by the BOD.
- Support the success of the CC Newsletter by providing articles and other materials of professional interest to the membership. If possible, provide a monthly newsletter article.

CC Treasurer: (for 2019, Tony Gigioli, CSEP)

- Maintain Ownership and Administrative oversight of CC Banking accounts, which allows rights and privileges to be assigned and users to be added or removed from CC traditional and online Banking accounts.
- Finalize the CC 2018 yearly Treasurer Summary Report. Brief the Report to the CC BOD, then deliver the Report to INCOSE International within established timelines.
- Work with the CC President to prepare a Draft 2019 Budget, using inputs from BOD Members.
- Prepare and provide to the BOD a monthly report on banking activity and income and expenses charged to the Budget and report at each BOD monthly meeting.
- Support the BOD Audit Committee in generating the Annual Audit Report.
- Document procedures for managing and monitoring CC Checking and Savings accounts.
- Manage and report all CC account activity at monthly BOD meetings, or at other times if requested by the President.
- Identify back-up designees with Signature Authority (on BOD approval) so that CC business can continue if the Treasurer is absent or unable to perform duties for longer than 1 week. If possible, provide Account Administration information to the CC President prior to taking time off. The CC President will serve as a back-up Treasurer.
- Provide written notification to the CC President and BOD of all formal financial requests and information received from INCOSE International or INCOSE Americas Sector.
- Enable CC operations to accept payment in multiple forms at all CC events to include cash, credit, PayPal®, and or check.
- Ensure all CC funds disbursement requests are countersigned by a CC BOD member.
- Create and manage all CC bank accounts and access to them, with each action being reported to the BOD.
- Arrange for payment of disbursements in a timely manner so as not to incur late fees.
- Provide payment to Programs Director for vendors supporting CC events (e.g., Photographer, food, awards, etc.).
- Maintain timely bank account management of deposits and payment activities in accordance with CC Constitution and Bylaws.
- Support the success of the monthly Newsletter with articles and other materials when possible.

CC Secretary: (for 2019, James DeCamp, ASEP)

- Prepare minutes of all 2019 CC BOD meetings and distribute at least two working days before the BOD meeting for the next month.
- Prepare final summary report (Annual Report) of 2018 CC activities by January 5, 2018.
- Maintain CC records to include all meeting minutes, records of attendance, performance metrics, financial records, and any other items assigned by the BOD.
- Maintain an account of the names of meeting, tutorial, and workshop attendees for CC records to include attendees who attend monthly lecturers without attending monthly dinner meetings.
- With the CC President, maintain the disposition of CC Mailbox Keys. Retrieve all incoming US Mail from the Laurel Post Office prior to every BOD meeting and distribute to BOD members as noted (at next BOD meeting or as soon as possible depending on urgency).
- Organize and display CC records in a suitable format.
- Send list of CC Officers to the INCOSE International Business Committee by January 6, 2019.
- Maintain and ensure access to CC historical documents for the CC BOD and membership.
- Transfer all CC physical assets to the CC Storage Locker at the following location:
- Extra Space Storage, 10400 Old Columbia Rd Columbia, MD 21046, Locker 4411, Current Customer: (410) 290-8864. Manage Keys for access to the locker. Distribute Keys to CC BOD Members and other CC volunteers as needed.
- Inventory all CC hardware, software, data, and capitol assets, and maintain an inventory of these items to be included with the CC Financial Audit on an annual basis. Note location or assignment of CC inventory items.
- Work with the CC Communications Director to maintain a historical record of CC activities on the CC Website.
- Alert the BOD, at least one week ahead of time, of approaching deadlines for all administrative actions and reports.
- Support the CC newsletter by providing articles or book reports when possible.
- Work with the CC Membership Director and CC Communications Director to survey CC membership, as required, using all available communications and collaboration methods.

5.0 CC Director Responsibilities and Activities

Three CC Directors At Large support the permanent Committees of Programs, Communications, and Membership. Responsibilities for each of these Directors are listed in the sections below.

5.1 CC Programs Committee (Programs Director)

The CC Programs Director chairs the CC Programs permanent Committee. The CC Programs Director directs and controls the Committee and responds to other specific direction from the CC President and BOD. The CC Programs Director has the following primary responsibilities:

- Plan CC Dinner Meetings and Speakers to include establishing meeting locations and scheduling Speakers in coordination with the BOD. Negotiate food contracts, and execute the required reservations, food service, and menu selections.

- Plan and execute all other CC special, technical, and social events and activities, unless otherwise assigned by the BOD.

The CC Programs Director will primarily focus on technical and educational aspects of systems engineering, but focus will also include such social and public service programs as approved by the BOD. In the technical domain, the Programs Director works towards a primary objective of stimulating discussion and systems thinking throughout the CC. The Programs Director also supports INCOSE International and CC efforts in the following areas:

- Systems Engineering Processes - analyzing and developing accepted systems engineering processes applicable to industry and government scenarios. These can address local, regional, national, and international areas of interest.
- Systems Engineering Professional Growth - establishing requirements and measurements for developing and maintaining skills and knowledge useful to systems engineers.
- Career Guidance – assisting CC Members in pursuing job growth and advancement in their systems engineering professions.
- Methodologies and Tools – encouraging the dissemination of knowledge dealing with generally recognized systems engineering topics to include but not limited to models, tools, and taxonomies.

The CC Programs Director activities for 2019 will also include:

- Manage the reservations and receipts of all monies for all CC events. The CC Treasurer will collect all monies.
- Develop and organize meeting formats and coordinate speakers, topics, moderators, and locations to promote wider CC member participation in technical activities (e.g., panel discussions, debates, brainstorming sessions, etc.).
- Execute joint tutorials, workshops, or dinner lectures with Baltimore Chapter of PMI, and local Chapters of AIAA, SAE, SES and IEEE. Conduct cooperative events with local university campuses (e.g., JHU, UMBC, UMCP, Morgan State, etc.). Coordinate Government-sponsored systems engineering forums such as those sponsored by NASA Greenbelt and NIST.
- Subject to membership surveys, plan special meetings and sponsored tours on subjects and locations of general interest to CC Members.
- Lead the planning of the CC Annual Holiday Party to include an awards and recognition program.
- Lead the planning of the CC SEP Gala.
- Coordinate with the INCOSE Washington Metropolitan Area (WMA) and Southern Maryland (SOMD) Chapters on technical presentations and meeting announcements and provide the CC Communications Director with notices or information for CC distribution.
- Obtain signed, “Author Intellectual Property Release for Manuscript and Presentation Materials” document from any presentation, panel, or other forms of information dissemination to or at any CC event. Included in such releases will be agreements by presenters for Video and Audio live streaming recording of CC activities.
- Create and maintain a Programs Committee process and activities log book for CC documentation and continuity of operations. Select a quality bound Journal that will be standardized among all three CC Directors at Large. This journal will be the property of

the CC and will pass to each successive office holder. Utilize the CC Google Drive Cloud storage capability to store log book information.

- Support the success of the CC Newsletter by providing at least two articles or blogs (publications subject to the approval of the Communications Director and the President).
- Continue the Jobs Networking activity by supporting the Membership Director in this area.

5.2 CC Communications Committee (Communications Director)

The CC Communications Director chairs the CC Communications permanent Committee. The CC Communications Director directs and oversees the Committee activities and responds to other specific direction from the CC President and the BOD. The Communications Director has the following responsibilities:

- Disseminate information among CC members; publicize the events and activities with emphasis on the use of the CC Website and sending email announcements to support the interests of the chapter.
- Manage and oversee all aspects of the CC Website and supervise a Communication Committee composed of volunteer CC members.
- Inform the CC BOD of updates to Website for review and awareness.
- Work with the CC Membership Director to ensure the CC Master Email Lists are updated.
- Electronically distribute the monthly CC Newsletter to all CC active members, and others signed up as Newsletter subscribers.
- Provide CC BOD members with an advance draft of the monthly CC Newsletter prior to release.
- Investigate new and innovative methods to communicate within the CC, and with the systems engineering community at large.
- Maintain the CC presence on Facebook, Linked-In, Twitter, and YouTube.
- Review CC Website operating policies annually. Review and assess whether available updates provide improved service and/or features.
- Create and maintain Communications Committee processes for CC documentation, publication, dissemination, and continuity of operations. Detailed processes should be accessible so that in the event the Communications Director or responsible committee member is not accessible duties can be performed seamlessly as to not disrupt CC operations and timeline for communications.

Specific 2019 CC Communications Director Activities will include (but not be limited to):

- In coordination with the CC BOD, prepare or procure INCOSE International and INCOSE Americas Sector promotional materials for distribution to the CC and local SE community.
- Lead the editing and distribution of the monthly CC Newsletter using the Web subscription service Constant Contact. Lead the distribution of routine and special meeting schedules, and Chapter announcements.
- Maintain the CC Website with accurate and correct information including biographies for BOD members and identify necessary CC member support requirements. Notify the CC President or BOD collectively of any short-notice degradation of service or anticipated late postings.
- Continue to expand within the 2019 budget allocation any new video broadcasting services. The first priority will be the distribution of CC monthly meeting information, followed by special event information where appropriate and possible.

- When additional material, such as videos or presentation slides, are used in the hosting of CC general membership meeting slides, obtain a copy of the source files, and upload those files to a CC repository for use in after-action reporting and CC information archiving.
- Prepare a Communications Committee Process and Contacts Guide for use by subsequent CC Communications Directors and Committee members.
- Support the success of the CC monthly Newsletter by obtaining articles or column reports when possible. The CC monthly Newsletter will be published as close as possible to the first of each month and will contain at a minimum:
 - Announcement about the Speaker for the monthly meeting – coordinate with the CC Programs Director.
 - The President Point of View (POV) article – coordinate with the CC President.
 - Announcement about the Speaker for the next month general membership meeting – coordinate with the CC Programs Director.
 - A short After-Action Report (AAR) about the Speaker for the previous month (include WWW URL to presentation and meeting video if available). – coordinate with the CC Programs Director.
- Update the CC “Brochure” document upon BOD request and lead the effort to get it published for distribution
- Provide necessary support for the CC Annual Elections process, including publication of Candidate Biographies and Vision Statements, and creation and distribution of ballot materials.
- Lead a team of CC member volunteers in developing, editing, publishing, and distributing hardcopy posters and electronic banner files for CC general and special events.
- Establish a “Business Schedule” to facilitate timely publication of monthly Newsletters, CC event information, and CC Website updates.

5.3 CC Membership and Outreach Committee (Membership Director)

The CC Membership Director chairs the CC Membership and Outreach Committees, and in 2019 will also serve as the CC Corporate Outreach Director. The CC Membership Director directs and controls the CC Membership and Outreach Committees and responds to other specific direction from the CC President and the BOD. The CC Membership Director has the following primary responsibilities:

Primary general duties include:

- Supervise and carry out all formal efforts to maintain and increase the CC membership.
- Ensure that the CC Membership Database is up to date. Provide membership records data access to the CC BOD and collaborating committees.
- Notify the CC BOD of any member deserving special recognition for accomplishments relating to membership or in the practice of systems engineering.
 - For each award, in addition to internal CC recognition, work with the CC President to draft, coordinate, then send a letter to the company and/or supervisor of the member to ensure employers are aware of member accomplishments.

- With the CC Secretary, assist the CC President in presenting individual awards at CC meetings and events.
- Work with INCOSE International to establish, then regularly update the CC Welcome Automated Email system for automatically sending out customized welcome letter emails for new/renewing INCOSE Chesapeake CC membership.
- Collaborate with the CC Communications Director to prepare a member welcome package to be mailed or emailed to new CC members.
- Collaborate with and assist the CC President, Past President, and President-Elect in soliciting corporate, government, and academic sponsors for CC activities and projects.
- Conduct Membership Surveys to solicit opinions on Chapter issues, goals, and recommendations. Consider implementing a monthly standing survey that will permit a statistically significant result over time. This data is needed for the CC 2019 Circle Awards submission.
- Oversee the CC Ambassadors Program.
- Work with the University Student Outreach Program to encourage new membership in the INCOSE-CC Chapter.
- Increase CC member engagement by:
 - Identifying opportunities to engage with prospective members.
 - Working in concert with the CC Communications and Programs Directors, provide on-demand live and interactive broadcasts of CC events.
 - Working with the CC Communications Director, provide direct access online to past speaker presentations at CC events.
 - Supporting the CC SEP Committee to help make sure everyone knows that certification training is an available local option for all who are interested.
 - Personally, engage with the membership at CC functions; soliciting feedback and asking non-members to join the CC.
- Create and maintain an electronic record of CC Membership Committee processes and activities for CC documentation and continuity of operations.

- As the CC Corporate Outreach Director, and as approved by the CC BOD, lead any CC-supported employment efforts, and lead the organization of job search and placement summits in cooperation with other systems engineering organizations.

Specific monthly duties will include:

Obtain and report the following data from the INCOSE International Membership Database and other sources:

- The number of Active members at first day of month.
- The number of members that lapsed their membership during the past month, reported at first day of month.
- The number of New Members as of first day of month of the past month.
- The number of Transferred Members to the CC from other INCOSE chapters, as of first day of month of the past month.
- The number of members that changed chapter from the CC to other INCOSE Chapters, as of first day of month of the past month.
- Names of New Members for inclusion on the website.

- Names of Newly Certified Members for inclusion on the website and for annual tracking in preparation for the SEP Gala Awards.
- Update the Membership Lists on Constant Contact to ensure new members receipt Email blasts.
- Update Sponsor Donation data and provide any new changes to Communications Director to ensure the website is up to date with new or aged Sponsors/partnerships.

Specific duties in direct support of the CC BOD will include:

- At each CC BOD meeting, report new members, lapsed members, transferred members, and current membership totals.
- Send New Member Name and Email Addresses to the CC Communications Director. New Member Names will be posted on the website. New Member Email Addresses will be added to the relevant CC Email Distribution Lists.
- Email CC members whose membership is expiring (give a 30-day notice whenever possible), informing them that their membership is about to expire, and encourage them to stay. Send out questionnaires to lapsed members (i.e., members who have dropped or who have been dropped as members) to obtain feedback as to why they chose to drop their membership, or why they lost their membership (to offer any possible support).
- Obtain reports from INCOSE International on how many members have transferred their membership from other chapters to the CC.
- Obtain reports from INCOSE International on how many CC members have transferred their membership to other INCOSE chapters.
- Include the President, Past President and President-Elect as Cc: on email contacts with expiring members and provide these CC BOD members with expiring member contact information, so they can provide any support. Ensure that a follow-up explanation is received by at least one of these CC BOD members and recorded in the Membership Log to permit trend analysis. The full CC BOD shares the responsibility for knowing the circumstances of all lapsed members, but the CC President will help contact the lapsed members directly when normal email efforts remain unresolved up to the last month of membership.
- Work with INCOSE International, on behalf of the CC President-Elect, to confirm for Circle Awards points those CC members who attend the INCOSE International Workshop and/or the INCOSE International Symposium.

Other CC Membership Director duties will include:

- Prior to every CC monthly general membership meeting, make available to the CC Communications Director and Secretary, a report of CC membership on PowerPoint slides.
- Update the CC Constant Contact Email Lists every month, to ensure accurate distribution of CC-related information for General CC Members, CC Voting and Non-Voting Members, and Friends of the CC. Monthly updating will include the removal of any persons who have requested not to receive emails.
- In coordination with the Communications Director and Programs Director, develop and distribute questionnaires and/or surveys to CC membership to gauge changing membership needs and preferences. Lead the analysis of results to assist the CC BOD in setting CC direction.

6.0 CC Events and Activities

This CC Operating Plan covers the period from January 1, 2019 to December 31, 2019. The list below specifies CC monthly events and activities planned for 2019. The list is subject to last-minute adjustments.

CC Monthly Events: A CC Communications Directors Meeting is scheduled for the First Wednesday of each month. A CC BOD Meeting occurs on the second Wednesday of each month. A CC General Membership Dinner Meeting with Speaker is held on the third Wednesday of each month, except for the months of August and December.

CC Monthly Publications and Other Obligations: The CC publishes a Monthly Newsletter on its Public Website. Everyone can view each Newsletter by using a link provided on the Website (<http://www.incose-cc.org/category/library/newsletters/>). Newsletter submissions are provided to the CC Communications Director prior to the 25th day of the month prior to publication. The CC is responsible for monthly Software Subscription Fees for its Public Website software, as well as for its third-party online collaboration site used by the CC BOD. The CC pays its Physical Storage Rental Fee on the 17th of each month along with Renters Insurance to the same location.

January: CC Audit Committee finalizes audit of previous year finances. Submission is due to INCOSE Circle Awards. Encourage all CC members to attend the INCOSE International Workshop (IW). The CC BOD begins work on 2019 Plans or Plans Updates and 2019 Budget, as well as analysis of Circle Awards points. Make sure to plan for activates that are recognized for points in the CC Circle Awards spread sheet. The Membership Director sends an e-mail reminder to members to pay annual INCOSE dues.

February: The CC BOD continues planning activities. The Membership Director sends an e-mail reminder to members to pay annual INCOSE dues.

March: CC Finance Audit Committee publishes its report on review of previous year financial records. The formal Audit Report is available for review by the General Membership after a formal presentation at the April meeting. The Membership Director sends an e-mail reminder to members to pay annual INCOSE dues.

April/May: Publish drafts, updates, or reviews of the CC Strategic Plan and Operating Plan, and post in the operating documentation section of the INCOSE CONNECT CC Website for membership review. Circle Awards deadline for Plans submission is April 15, 2019. The Membership Director sends an e-mail reminder to members to pay annual INCOSE dues.

June: The Membership Director sends an e-mail reminder to members to pay annual INCOSE dues. The Post Office box rental fee is renewed in June 2019.

July: Annual International Symposium 2019 (IS 2019). The CC 2019 Elections Nominations and Elections Committee is finalized, and calls are made for nominations for 2020 open BOD positions. Nominations presented to the BOD must be submitted no later than August 31, 2019.

Election slate for expiring terms: President-Elect, Treasurer, and Communications Director. The Membership Director sends an e-mail reminder to members to pay annual INCOSE dues.

August: Conduct the CC annual SEP Gala on August 16, 2019 and recognize awardees. Nominations for 2020 open CC BOD positions are presented to the membership by the Nominations and Elections Committee. The Membership Director sends an e-mail reminder to members to pay annual INCOSE dues.

September: The CC 2020 BOD election ballots are made available on September 1, 2019 to all CC members active as of September 1, 2019. The Membership Director sends an e-mail reminder to members to pay annual INCOSE dues.

October: CC 2020 Elections are closed on October 14, 2019. Announce election results at membership meeting on October 17, 2019. Begin preparation of 2020 CC Operating Plan, Strategic Plan Leadership Review, and 2020 Budget. The Membership Director sends an e-mail reminder to members to pay annual INCOSE dues.

November: The Membership Director sends an e-mail reminder to members to pay annual INCOSE dues.

December: The traditional Annual Holiday Party and Awards Ceremony concludes the year. Individual member awards for achievement are presented at the event. The Membership Director sends an e-mail reminder to members to pay annual INCOSE dues.

January 2020: New and Incoming Officers service starts on January 1, 2020. The first CC BOD meeting with the new 2020 CC BOD is scheduled for the second Wednesday in January 2020. Perform the installation of CC Officers and Directors at Large for 2020 during the monthly CC meeting on the third Wednesday of January 2020. The 2018 CC Financial Audit Committee begins its work. Report due to CC BOD in March 2020.

6.1 CC Schedule of Activities for 2019

Table 6.1-1 contains a detailed list of specific CC Activities planned for 2019.

Table 6.1-1. CC 2019 Detailed Activity List

| Month | Date | Location | Meeting | Title |
|-----------|-----------|--|----------------------------------|---|
| January | Jan 16 | JHU/APL Building 1, Cafeteria 3, Auditorium | Dinner Meeting and Lecture | INCOSE 2025 and INCOSE-CC's 25 th Anniversary – How will they align? Taras Mykytyn. And, Installation of CC Officers and Directors for 2019. |
| January | Jan 26-29 | Torrance, CA | International Workshop | INCOSE International Workshop 2019 (IW19). Paul Martin, other CC BOD members, and other CC Members. |
| February | Feb | JHU/APL Building 1, Cafeteria 3, Auditorium | Dinner Meeting and Lecture | Earned Value Management for Agile, Caitlin Sprago <i>(Rescheduled to June due to snow cancellation)</i> |
| March | Mar 9 | Anne Arundel County Maryland, North County High School | AACPS Science Fair | Clinton Hilliard and other CC volunteer Judges. |
| March | Mar 20 | JHU/APL Building 1, Cafeteria 3, Auditorium | Dinner Meeting and Lecture | Methodology Tailoring for Development Time Optimization, Anthony Millán |
| March | Mar 30 | Marsteller Middle School - Bristow, Virginia | SUCCESS! Conference | Middle/High School Science, Technology, Engineering, Arts, and Math (STEAM) event. Adult Systems Thinking Roundtable Sessions, Mike Pafford |
| March | 23-34 | Towson – University West Village Commons | Baltimore Science Fair | Clinton Hilliard and other CC volunteer Judges. |
| April | Apr 8-12 | JHU/APL Building 200 | UMD No Magic Training | Training on UMD NoMagic SE Tool |
| April | Apr 17 | JHU/APL Building 1, Cafeteria 3, Auditorium | Cloud-Based Telemetry Processing | Chandru Mirchandani, ESEP |
| April | Apr 22-26 | Aerospace – Chantilly, VA | UMD No Magic Training | Training on UMD NoMagic SE Tool |
| April/May | TBD | | ESEP Summit | Open to all CC ESEPs |
| May | TBD | University of MD SE Student Division | MS Dissertation Presentations | Dissertation paper reviews with SE Graduate Students |
| May | May 6-9 | JHU/APL Building 200 | CTI - SEP Certification | Training for SEP Certification by CTI |
| May | May 15 | JHU/APL Building 1, Cafeteria 3, Auditorium | Dinner Meeting and Lecture | Thinking: a Guide Book for Systems Engineering, Professor Howard Eisner |
| June | Jun 19 | JHU/APL Building 1, Cafeteria 3, Auditorium | Dinner Meeting and Lecture | Earned Value Management for Agile, Caitlin Sprago |
| July | Jul 20-25 | Orlando, FL | International Symposium | INCOSE International Symposium 2019 (IS19). Taras Mykytyn, other CC BOD members, and other CC Members |
| July | Jul 17 | JHU/APL Building 1, Cafeteria 3, Auditorium | Dinner Meeting and Lecture | In coordination |
| August | Aug 16 | The Engineers Club | SEP Gala | Celebrating INCOSE Baltimore Washington Regional Systems Engineering Certification Recipients. Speakers: TBD |
| September | Sep 18 | JHU/APL Building 1, Cafeteria 3, Parsons Auditorium | Dinner Meeting and Lecture | In coordination |
| September | TBD | TBD | Workshop | Soft Skills Development |
| September | TBD | | ESEP Summit | Open to all INCOSE ESEPs. |
| October | Oct 16 | JHU/APL Building 1, Cafeteria 3, Auditorium | Dinner Meeting and Lecture | In coordination |
| November | Nov 20 | JHU/APL Building 1, Cafeteria 3, Auditorium | Dinner Meeting and Lecture | In coordination |
| December | Dec 6 | The Engineers Club | Holiday Party & Awards Dinner | INCOSE Members and Guests |

CC BOD and Committee Meetings

- 1) Communications Director Monthly Meeting. 1st Wednesday of each month; varying locations and times. Chair: CC Communications Director, Paul Martin.
- 2) BOD Monthly Meetings. 2nd Wednesday of each month. JHU/APL Building 1 Barton Conference Room, 6:00 PM – 8:00 PM. Chair: CC President, Dr. Grace Crowder, ASEP.

7.0 CC Budget

See Appendix C of this document and the CC Website: <http://www.incose-cc.org/>.

7.1 CC General Budget Information

All CC BOD members will submit Budget Planning Input to the Treasurer prior to the CC Operating Plan being approved. For 2019, the 2018 Operating Plan will be updated, and will incorporate any changes that affect the CC 2019 Budget. Once the CC Treasurer and other BOD Members review all Budget submissions and consolidate them, the full CC BOD will approve a CC 2019 Budget. The updated 2019 Operating Plan will be submitted for BOD review and will include all 2019 Budget changes.

The CC BOD will submit the 2019 CC Budget to the INCOSE International administration office. The 2019 CC Budget will show expected revenue and expenses for all functional areas including allocations for BOD Officers, and Directors at Large. Assumptions associated with the expected revenue and/or expenses will also be identified.

The First Draft of the 2020 CC Budget will be developed during the period of September through December 2020. All CC BOD Officers and Directors will participate in the budgetary process, with final review and approval executed by the BOD. The Treasurer is the focal point for the budget process. The CC Officers and Directors will submit projections for revenue and expenses to the Treasurer who will prepare a Program Income Statement and Balance Sheet for the coming year.

Areas of known or estimated revenue which will be included are: membership dues, CC dinner meeting receipts, fund raising events, special donations, corporate assistance or sponsorship for special events, corporate donations, conference registrations, training course fees, and proceeds from the sale of published papers, articles, and books.

Areas of expected expenses are: CC meeting direct costs, reproduction, postage, mailing, supplies, bank service charges, PayPal service charges, printing, and permitted donations to other Chapters and the INCOSE Foundation.

7.2 CC Revenues or Income

The INCOSE International Headquarters rebates to the CC a portion of the INCOSE annual dues received from each INCOSE Member who has affiliated with the CC. The CC receives a check on a Bi-Yearly basis (March and September) from the INCOSE International Treasurer for all local dues received during the previous six months. Currently the CC receives \$30 of the INCOSE \$145

annual memberships for each member affiliated with the CC, with other membership shares paid documented in Table 7.2-1. In 2019, the net revenues from dues will accrue to approximately \$10,000.00, allowing for the typical cycle of net gains (i.e., increase after subtracting non-renewals) to the membership.

Table 7.2-1. INCOSE Membership Funds

| |
|---|
| Regular Membership Dues One Year - \$145/ CC Share \$30 |
| Regular Membership Dues Three Years - \$405/ CC Share \$75* |
| Regular Membership Dues Five Years - \$625/ CC Share \$115* |
| Senior Membership Dues One Year - \$80/ CC Share \$10 |
| Senior Membership Dues Three Years - \$225/ CC Share \$27* |
| Senior Membership Dues Five Years - \$360/ CC Share \$45* |
| Student Membership (non-voting) Dues \$38/ CC Share \$5 |
| *-The multi-year CC Share full amount is paid the year that the Dues are paid |

Special donations are another potential source of income. To avoid compromise of the CC not-for-profit status, it is important that these transactions clearly state the purpose for which the money is donated, and any conditions associated therewith. Other potential sources for donated revenues include sponsorship for programs; conference registrations; workshop or training course sponsorship; proceeds from the sale of CC mugs and shirts; published papers, articles, and/or books; and promotional items including mugs and shirts.

7.3 CC Expenses

All CC dinner-meeting expenses will include, but not be limited to, meal-related expenses, location reservation expenses, and guest-speaker-related expenses or fees. Communications such as the monthly newsletter, membership meeting announcements, and the minutes from previous meetings will be posted on the CC Website. Mailings to the CC membership will occur on an as-required basis. Costs associated with any mailings will include: reproduction, postage, and miscellaneous mailing supplies. Other expenses will include: INCOSE Foundation contributions, bank expenses, event sponsorship, meeting and conference preparations, Engineering Society of Baltimore dues, storage unit costs, renter insurance for the storage unit, and printing costs associated with activities such as new member recruiting. The Engineers Club in Baltimore, Maryland is a venue for CC large social affairs and special meetings and is supported by over 30 professional engineering societies in the local area. No individual member benefits accrue to the CC as part of this association, although some CC members have individual memberships with The Engineers Club and participate separately in Club extended activities.

7.4 CC Audit and Reporting

In accordance with the CC Bylaws, the newly-elected President will appoint an Audit Committee by March of each year that will audit, in collaboration with the Treasurer, CC financial records from the previous year, and prepare a report to be posted on the CC Website by April of each year.

The Treasurer will prepare, and the CC BOD will verify, an Annual Financial Report for the previous year, which the Treasurer will then submit to INCOSE International each year.

8.0 CC Meetings

8.1 CC General Membership Meetings

The CC has scheduled ten general membership dinner meetings during the months of January through December of 2019. The SEP Gala replaces the August dinner meeting and speaker, and the Annual Awards Dinner replaces the December dinner meeting and speaker.

8.2 Election and Installation of CC Officers

Election of CC Officers and Directors at Large for 2020 will be conducted using the INCOSE eBallot system during September and October 2019. The newly-elected Officers and Directors will be presented at the October 2019 CC membership meeting. New Officer and Director Responsibilities will start effective January 1, 2020, and their formal installations will be performed at the earliest available 2020 CC membership meeting.

8.3 CC Board of Directors Meetings

The CC BOD will meet on the second Wednesday of each month in 2019, or at the direction of the CC President. The Officers and Directors will report on their applicable agenda items at each BOD meeting. All BOD meetings will be conducted in accordance with current CC Constitution and Bylaws. While not specifically addressed in the CC Constitution and Bylaws, the CC BOD welcomes all CC members in good standing to attend BOD meetings, with the proviso that they refrain from debate, and excuse themselves when so requested by the Presiding Officer, usually the President, prior to any formal BOD voting process.

8.4 International Business Meetings

The annual INCOSE International Workshop will be held in January 2019. The CC is always well represented. But, attendance by CC BOD members is not guaranteed or required as a condition of office.

8.5 International Symposium

The INCOSE International Symposium will be held in July 2019. The CC is always well represented. But, attendance by CC BOD members is not funded by the CC or required as a condition of office.

9.0 CC Processes

Current CC Membership and Outreach processes will be continued in 2019. Items include detailed analysis of member feedback, utilization metrics on the CC Website, recruiting new committee members, and establishing routine communication with the entire membership using the CC Public Website, Constant Contact broadcast emails, and the monthly newsletter.

9.1 CC Budget

The Budget preparation for 2020 will begin in September 2019, with the finalized Budget presented to the BOD for Review and Approval no later than April 2020 (see Appendix C for the CC 2019 Budget). Beginning the first week in January 2019, each elected CC BOD Officer and Director at Large will submit their expected and actual revenues and expenses to the Treasurer for incorporation into an overall CC 2019 Budget. During November and December 2019, the Treasurer will develop the Program Income Statement, and reconcile any shortfalls with the CC BOD no later than February 2020. The Treasurer will formally submit the final Program Income Statement and balance sheet to INCOSE International in January 2020 and will also present the information to the CC BOD for review and approval in February or March 2020 at a designated CC BOD Meeting.

9.2 CC Membership Dues

All members of INCOSE send their dues directly to INCOSE International, which then provides a per-member credit to the CC, for those members affiliating with the CC. The CC Membership Director will be responsible for the reconciliation of membership dues. This information will be compared with the CC Treasurer report of dues receipts from INCOSE International.

9.3 CC Meetings

The CC will hold scheduled BOD Meetings and General Membership Meetings. Ad-hoc meetings may also be held as needed by CC BOD, committees, or subcommittees. Table 9.3-1 presents the planned 2019 CC operating meetings, along with the target month.

Table 9.3-1. 2018 CC Meeting Schedule Overview

| MEETING | MONTH(S) |
|--------------------------------|--|
| CC BOD Meetings | Monthly |
| CC General Membership Meetings | Monthly |
| Working Group Meetings | As established by the working group Chairs |
| International Workshop | January 2019 |
| International Symposium | July 2019 |

9.4 CC Elections

The CC Nominations and Elections Committee, usually chaired by the CC Past President, will call for nominations for 2020 CC BOD positions in August 2019, and will present a validated slate of Candidates to the CC BOD as soon as a full slate has been identified. The CC President will then announce the slate of Candidates to the general membership at the September 2019 general membership meeting. The 2020 Candidates List will also be published on the CC Website. Elections will be conducted using the INCOSE eBallot system during September and October 2019. Newly-elected 2020 CC BOD Officers and Directors will be announced by the CC President at the October 2019 general membership meeting. Newly-elected Officers and Directors will take

office on January 1, 2020. Formal installation will take place during the earliest possible 2020 CC general membership meeting.

The terms of office for 2019 CC BOD positions are as follows:

Officers:

President: January 1, 2019 - December 31, 2019, plus 1 year as Past President (January 1, 2020 – December 31, 2020)

Past President: January 1, 2019- December 31, 2019

President-Elect: January 1, 2019- December 31, 2019, plus 1 year as President (January 1, 2020 – December 31, 2020), and 1 year as Past President (January 1, 2021 - December 31, 2021)

Treasurer: January 1, 2019 - December 31, 2020 (2-year term)

Secretary: January 1, 2019 - December 31, 2020 (2-year term)

Directors at Large:

Programs Director: January 1, 2019 - December 31, 2020 (2-year term)

Membership Director: January 1, 2019- December 31, 2020 (2-year term)

Communications Director: January 1, 2019 - December 31, 2020 (2-year term)

9.5 CC Working Groups/Special Interest Groups (SIGs) and Committees

Working Groups and Special Interest Groups (SIGs) for the CC currently approved by the CC BOD are listed in Table 3-1 of this Operating Plan. Permanent or ad-hoc Committees may be created by the CC President and/or the full CC BOD for special purposes as needed.

9.6 CC Process Guides

All CC BOD members will maintain an Activity Log during the year, outlining the specific processes for which they are responsible.

10.0 CC International Interfaces

All CC operations will adhere to the CC Constitution and Bylaws as approved by INCOSE International. Any deviation, deletion, or addition must be coordinated with and approved by the full CC BOD, as well as with INCOSE International. The CC President or other CC BOD members will participate in any necessary meetings with other INCOSE CC Officers, or as called by the INCOSE Americas Sector Director.

10.1 INCOSE International CC Circle Awards Submission Timelines

January 1 – December 31, 2019. Maintain CC records and supporting documentation on an ongoing basis throughout the year.

January 6, 2019. CC 2018 Circle Awards packets, including supporting documentation, are due to INCOSE International. Electronic submissions will be uploaded to the INCOSE CONNECT Chapter Awards Program Website.

International Workshop January 2019. Preliminary discussion of good and best practices/innovative ideas and approaches during the IW18 Chapters Committee meeting, with supporting material extracted from Chapter packets and distributed to Chapter representatives.

January 30, 2019. Review of all Chapter 2018 Circle Awards packets completed by the INCOSE International Chapters Committee. The following items are submitted by the Chapters Committee to the INCOSE International Awards Board:

- List of recommended Platinum and Gold Circle Chapters;
- List of recommended Silver Circle Chapters;
- List of recommended Bronze Circle Chapters;
- List of recommended Platinum Circle Chapters;
- Prioritized list of two to five Chapters for the Most Improved Chapter award; and
- Prioritized list of two to five Chapters for the Outstanding Chapter award.

March 31, 2019. The INCOSE International Awards Board completes the final review of materials provided by the Chapters Committee. Final selections are made and the following notifications provided to the Chapters Committee and INCOSE International: Platinum Circle Honored Chapters, Gold Circle Honored Chapters, Silver Circle Honored Chapters, Bronze Circle Honored Chapters, Director's Award for Most Improved Chapter (with honorable mentions as appropriate), and President's Award for Outstanding Chapter (with honorable mentions as appropriate).

April 30, 2019. All Chapters are notified of Chapter Awards and Recognition. Chapters are recognized on the INCOSE International public Website and in an e-mail announcement to all INCOSE members.

July 2019. International Symposium – Chapter Circle Awards presented at the International Symposium banquet or plenary session.

Continuing and Ongoing Activities – The CC will continue to pursue discussion and dissemination of good/best practices as well as innovative ideas/approaches among CC members. This topic will be a key focus for the CC during 2019 and will be discussed during CC Committee meetings at the International Workshop and International Symposium.

Appendix A – CC Goals, Objectives, Initiatives, Metrics, and Responsible Directors

Goal 1 - Become the learned Repository of Systems Engineering Knowledge for our Maryland Stakeholders.

Objective 1 - Create a permanent repository of systems engineering material professionally indexed and available to the public.

Initiative 1 - Obtain records of papers, videos, and photos of CC events.

Metrics 1 - Operating and accessible repository established.

Responsible CC BOD Member: Secretary

Goal 2 – Promote, through all available media, the practice of systems engineering.

Objective 2 - Match resources to opportunities.

Initiative 2 - Pursue new means of providing information on systems engineering practices.

Metrics 2 - Total Audiences reached throughout the year.

Responsible CC BOD Member: Communications Director

Goal 3 - To promote, improve, and maintain the professional stature of all persons engaged in systems engineering.

Objective 3 - Continue to offer SEP certification, and highlight SE accomplishments.

Initiative 3 - Maintain recommended SEP training lists, post SEP certifications on the CC public Website and in the newsletter and maintain a CC SEP Honor Roll.

Metrics 3 - Annual counts of CC SEP certifications, and number of systems engineering papers written, published, and presented by CC members.

Responsible CC BOD Member: Membership Director

Goal 4 - To offer systems engineering education to all, regardless of INCOSE membership, and participate in the creation of systems engineering standards.

Objective 4 – Provide formal speakers at 10 CC general membership meetings in 2018 and provide at least 4 weekend tutorials on systems engineering subjects of current interest to members and the general public.

Initiative 4 - Rotate venues and explore new concepts.

Metrics 4 – Annual count of educational events conducted.

Responsible CC BOD Member: Programs Director

Goal 5 - Actively solicit and establish formal working relationships with other Engineering Societies at the local CC level.

Objective 5 - Establish MOAs with specific goals with other engineering societies.

Initiative 5 - Individual MOAs with ASEE, ACM, SEI, AIAA, IEEE, SES, and SAE.

Metrics 5 – Annual count of MOAs established.

Responsible CC BOD Member: Membership Director

Goal 6 - Maintain and significantly improve our status as a sustainable and professionally managed Chapter.

Objective 6 – CC BOD decisions remain consistent with INCOSE International vision, mission, goals, and most importantly Constitution and Bylaws.

- The CC BOD does not delegate its authority or responsibilities.
- The CC BOD clearly operates as a collaborative team, and jointly accepts and supports all decisions, initiatives, and agreements.

Initiative 6 - Do not permit CC resources to be used for political, ideological, or special interest group messages that do not represent systems engineering as defined by INCOSE International.

- Initiate written processes in CC BOD program execution.
- Do not fund initiatives, regardless of merit, that are not consistent with CC plans.
- Avoid unfunded committees or other representatives of the CC that become divisive or are not responsive to CC BOD guidance.
- Maintain situational awareness and take immediate actions on matters of importance to BOD integrity, decision making ability, and compliance with rules.
- Avoid signing MOAs with outside interests that require the CC to provide financial or labor services. All MOAs should be limited to one year, except for general agreements that specify no actions.

Metrics 6 - Annual Lessons Learned Report.

Responsible CC BOD Member: President

The Goals Grid

| | | DO YOU HAVE IT? | |
|--|-------------|--|---|
| | | NO | YES |
| D O Y O U W A N T I T ? | Y E S | <i>Achieve</i> | <i>Preserve</i> |
| | | <ul style="list-style-type: none"> ● Annual Awards Planning ● Annual Awards program execution ● Create COOP plans ● Create Succession Plans ● Establish Corporate outreach and CAB committee ● Survey and Analysis Team ● Establish a Training team under the Program Director to establish annual training course selection, scheduling and conduct plans. | <ul style="list-style-type: none"> ○ Chapter Newsletter ○ Chapter Website ○ Frequent surveys using Constant Contact ○ Members generating professional papers ○ 4 or more tutorials per year ○ Joint Engineering Society Meetings ○ Support to INCOSE Foundation ○ Student Chapters when prudent ○ Broadcast and other video services ○ Outreach to membership both formal and ad hoc to energize and maintain both a strong committee base and provide for BOD member succession. |
| | N O | <i>Avoid</i> | <i>Eliminate</i> |
| | | <ul style="list-style-type: none"> ● Committees and activities not responsive to BOD oversight and Direction. ● MOA's involving receipt of funds for performance Chapter should only accept donations. | <ul style="list-style-type: none"> ● Non-core activities as they arise ● INCOSE Recommended practices (Circle Award) that add little or detract from the Chapter mission |

Figure A-1. The Goals Grid

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| INCOSE Chesapeake Chapter Vision | | | | |
| Systems Engineering (SE) is an accepted engineering discipline And INCOSE is the foremost advocate for its practice. | | | | |
| INCOSE Chesapeake Chapter Mission | | | | |
| To provide guidance, education and leadership in SE to Industry, Academia, and Government Institutions within the state of Maryland in Cooperation with Southern Maryland , Washington Metropolitan Area and Delaware Valley Chapters. | | | | |
| <p>Goal 1: Become the Learned Repository of SE Knowledge for the MD Stakeholders.</p> <p>Objectives for Goal 1: Create a permanent repository of Se material professionally indexed and available to the public.</p> <p>Initiatives for Goal 1: Obtain records, videos and photos of chapter activities.</p> <p>Metrics 1: Operational and accessible repository established.</p> | <p>Goal 2: Promote the practice of SE through all available mediums</p> <p>Objectives for Goal 2: Match resources to opportunities.</p> <p>Initiatives for Goal 2: Pursue new means of providing SE.</p> <p>Metrics for Goal2: Total audiences matched for an entire year.</p> | <p>Goal 3: Promote, improve and maintain professional stature of all persons engaged in SE.</p> <p>Objectives for Goal 3: Continue to support SEP certification</p> <p>Initiatives for Goal 3: Maintain recommended SEP Training lists; and Post new certifications in chapter newsletters and in chapter honor roll lists</p> <p>Metrics for Goal 3: Annual count of SEP certifications; and Number of SE papers written, published or presented by chapter members</p> | <p>Goal 4: To offer SE education to all regardless of INCOSE membership status. Participate in the creation of SE standards.</p> <p>Objectives for Goal 4: Provide a formal speaker at 11 member-ship meetings annually; and Provide at least 4 weekend tutorials/workshops on SE subjects of current interest.</p> <p>Initiatives for Goal 4: Rotate venues and explore new concepts</p> <p>Metrics for Goal 4: Number of educational events</p> | <p>Goal 5: Actively solicit and establish formal working relationships with other Engineering Societies</p> <p>Objectives for Goal 5: Establish MOAs with specific goals with other engineering Societies.</p> <p>Initiatives for Goal 5: MOAs with : AIAA, IEEE, SES and SAE.</p> <p>Metrics for Goal 5: Number of MOAs.</p> |
| <p>Goal 6: To maintain and significantly improve our status as a sustainable and professionally managed chapter.</p> <p>Objectives for Goal 6: (a) BOD decisions always consistent with the Vision, Mission, Goals and Chapter Constitution and Bylaws; (b) The BOD does not delegate its authority or responsibilities; (c) The BOD clearly operates as a collaborative team and jointly and severally accepts and supports its decisions, initiatives and external agreements.</p> <p>Initiatives for Goal 6: (a) Chapter resources are not permitted for use in political, ideological or special interests messages that do not represent SE as defined by INCOSE International; (b) Written processes are initiated in BOD program execution; (c) Chapter funds are not permitted for initiatives not consistent with the Annual Chapter Operating Plan, regardless of the merit of the proposed initiative; (d) Committees or other representatives of the chapter that become divisive and unresponsive to BOD guidance will be unfunded; (e) Maintain a situational awareness and take immediate action on matters of importance to the BOD’s integrity, decision making ability and compliance with rules; (f) Avoid signing Memorandums of Agreement (MOAs) with external interests that require the chapter to provide financial services or labor. Any approved MOAs should be limited to a one year duration except for agreements that specify no actions.</p> <p>Metrics for Goal 6: Annual Lessons Learned Report.</p> | | | | |

Appendix B - Updated CC Committee Needs

The INCOSE International Circle Awards Committee issued changes to the points system along with new guidance on Chapter planning. The CC has incorporated these changes as presented in Appendix B of this 2019 CC Operating Plan.

Awards Committee

Tasks: Produce and deliver all awards directed by CC BOD members including, letters to employers and company sponsors. In 2015, the CC formed this committee. Work will continue in 2019 with a Special Events Committee Chair managing this effort.

Corporate Relations Committee

Tasks: Corporate Advisory Board member and Corporate CC sponsors recruitment and liaison. A Corporate Relations Committee Chair was first appointed in 2015. Work will continue in 2019, with the CC Membership Director as Chair.

Events Committee

Tasks: Plans, organizes, and monitors CC special events. The Special Events Committee was first created in 2015. Work will continue in 2019, with the CC Programs Director as Chair.

Lessons Learned Committee

Tasks: Document actionable SE lessons learned during the year. Planned for 2019.

Standing Audit Committee

Tasks: Assist the Treasurer in physical transactions and issue opinions to the CC BOD as required on such issues as proposed MOAs and contracts involving receipt or expenditure of funds. This Committee was first instituted in 2014. Work to continue in 2019.

Establish and Maintain an Employment Motivation, Training, and Assistance Program

Tasks: To research and identify the current successful methods of helping unemployed or underemployed Systems Engineers. Following that, provide active programs that employ the best speakers, agencies, and materials to affect measurable success in placing participants in systems engineering jobs. Actively solicit funds and professional participation from Academia, Government, and

local industry. In 2015 a Concept of Operations (CONOPS) was written, government officials contacted, and outreach to other engineering societies started. A Joint Employment Summit is being considered in 2019.

Establish a CC BOD Executive Committee

Tasks: A volunteer Committee to oversee planning, organizing, funding, execution, and follow-up actions for activities and programs included in the annual CC Operating Plan. This committee is currently made up of members from the CC BOD, and working is continuing in 2019.

Finance Committee

Tasks: Plan, Budget, and Manage CC Finances.

Definition from INCOSE International Wiki: A **Committee of Ways and Means** is a government body that is charged with reviewing and making recommendations for government budgets. The term "Ways and Means" originated with the English Parliament (later the British Parliament and UK Parliament) and refers to the provision of revenue to meet national expenditure requirements and to forward the objectives of economic policy. Ways and Means are principally provided by the imposition of taxation. Because the raising of revenue is vital to carrying out governmental operations, such a committee is literally tasked with finding the ways and means with which to raise that revenue. Work to continue in 2019.

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Appendix C – CC Annual Budget

See also Appendix A. Goals 1 through 6 are all tied to the 2019 CC Budget shown below.

Table C-1. CC 2019 Budget (Revised April 5, 2019)

2019 INCOSE-CC Operations Plan Budget

| Category and Subcategories | Description | Responsible Board Member | 2019 Planned Expense | 2019 Planned Income |
|---------------------------------------|--|---------------------------------|-----------------------------|----------------------------|
| Awards | Past President Pin | President | \$25 | |
| Awards | Volunteer Awards (for CC, Board Service) | President | \$750 | |
| Donation Expense | INCOSE Foundation 2017 Contribution | President | \$1,000 | |
| Donation Income | Corporate Advertising Donation Support (Web Site, Newsletters, etc.) | President & All BOD Members | | \$3,000 |
| Donation Income | Individual Donations | President & All BOD Members | | \$200 |
| Miscellaneous, Bus | Discretionary Funds | President | \$100 | |
| Miscellaneous, Bus | Discretionary Funds | President-Elect | \$100 | |
| Miscellaneous, Bus | Discretionary Funds | Past President | \$100 | |
| Dues Expense | Engineering Society of Baltimore (The Engineers Club) | Programs | \$850 | |
| Books | Books for CC Meeting Raffle | Programs | \$1,000 | |
| Event Expense/ Awards Dinner-December | Award Celebration Dinner Meals | Programs | \$4,500 | |
| Event Expense/ Awards Dinner-December | Award Celebration Gift Baskets & Supplies | Programs | \$200 | |

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| Event Expense/ Awards Dinner-December | Award Celebration Photographs | Programs | \$500 | |
| Event Expense/ SEP Gala | SEP Gala Celebration Photographs | Programs | \$500 | |
| Event Expense/SEP Gala | SEP Gala Dinner Meals | Programs | \$6,000 | |
| Event Expense/ Training | Tutorial-Workshop Meals | Programs | \$500 | |
| Event Income/Training | Tutorial-Workshop Means | Programs | | \$1,000 |
| Event Expense/ Training | Tutorial-Workshop Honoraria | Programs | \$1,000 | |
| Event Income/Training | Tutorial-Workshop Honoraria | Programs | | \$1,000 |
| Event Expense/SEP CTI | CTI SEP Prep Course | Programs | \$944 | |
| Event Income/SEP CTI | CTI SEP Prep Course | Programs | | \$9,550 |
| Event Expense/Exam | ASEP/CSEP Exam at JHU/APL | Programs | \$500 | |
| Event Income/Exam | ASEP/CSEP Exam at JHU/APL | Programs | | \$500 |
| Event Income / No Magic UPDM 2 Training | Training Session Income (No Magic) | Programs | | \$18,000 |
| Event Expenses / No Magic UPDM 2 Training | Training Session Expense (No Magic) | Programs | \$13,800 | |
| Event Expenses / No Magic UPDM 2 Training | Meals - Training Session Expense (No Magic) | Programs | \$1,750 | |
| Event Income/ Awards Dinner | Awards Celebration Dinner Tickets | Programs | | \$3,750 |
| Event Income/ SEP Gala | SEP Gala Dinner | Programs | | \$5,000 |
| Meeting Expenses | Dinners for CC Meetings (Sodexo Catering at JHU APL) | Programs | \$6,578 | |
| Meeting Income | Dinner Meetings | Programs | | \$5,500 |
| Miscellaneous, Bus | Discretionary Funds | Programs | \$100 | |
| Postage and Delivery | Special Events Postage | Programs | \$300 | |
| Printing and Reproduction | Printing & Supplies for Tutorials, Workshop (Name Tag Ribbons) | Programs | | |

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| Sponsor Donations | SEP Gala Program Sponsor (JHU WSE) | Programs | | \$1,500 |
| Sponsor Donations | SEP Gala Appetizer Sponsor (Advertisements in Program-SE Scholar and CTI) | Programs | | \$1,000 |
| Sponsor Donations | SEP Gala Name Tag Sponsor | Programs | | |
| Sponsor Donations | SEP Gala Cocktail Hour Sponsor | Programs | | |
| Sponsor Donations | Awards Celebration Program Sponsor | Programs | | |
| Sponsor Donations | Awards Celebration Appetizer Sponsor (Advertisement in Program - MetaTech) | Programs | | \$250 |
| Sponsor Donations | Awards Celebration Name Tag Sponsor | Programs | | \$200 |
| Sponsor Donations | Awards Celebration Cocktail Hour Sponsor | Programs | | \$1,200 |
| Supplies | SEP Gala Invitations, favors, programs and Other Supplies | Programs | \$250 | |
| Supplies | SEP Gala Name Badges, Name Tents | Programs | \$50 | |
| Event Support | Valet Parking | Programs | \$1,550 | |
| Event Support | Valet Parking | Programs | | \$1,360 |
| Video recording of dinner presentations | Have JHU/APL (Camera Team to record videos of presentation for & streaming) | Programs | \$2,800 | |
| Miscellaneous, Operations | Discretionary - Funds | Communications | \$500 | |
| Postage and Delivery | xpenses for Comms Team Support | Communications | \$350 | |
| Website Maintenance/Updates | Maintenance and Updates for Website Security, Maintenance, and Updates | Communications | \$2,500 | |
| Subscriptions Expense | Basecamp Fees | Communications | \$198 | |
| Subscriptions Expense | Event Espresso Subscription | Communications | \$100 | |
| Subscriptions Expense | Constant Contact Subscription | Communications | \$528 | |
| Subscriptions Expense | Software Upgrades to Current Levels | Communications | \$500 | |

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| Subscriptions Expense | Domain Name Registration Fee | Communications | \$80 | |
| Subscriptions Expense | Website Hosting | Communications | \$220 | |
| Subscriptions Expense | CC File Storage (Google) | Communications | \$99 | |
| Supplies | Mailing Tubes & Address Labels (Poster Distribution) | Communications | \$150 | |
| Capital Expenditures (7-year amortization) | Capital Expenses (Drill for Awards \$70) | Treasurer | \$0 | |
| Donation Expense | Engineering Society of Baltimore- Employee Holiday Awards | Treasurer | \$100 | |
| Donation Expense | Garrett Jacobs Mansion Endowment- Docent Led Tours (The Engineers Club) | Treasurer | \$200 | |
| Fees | Pay Pal Use Fees (All PayPal Fees included here) | Treasurer | 700 | |
| Interest Income | Interest Income | Treasurer | | \$20 |
| Miscellaneous, Bus | Discretionary Funds | Treasurer | \$0 | |
| Postage and Delivery | Postage and Delivery | Treasurer | \$0 | |
| Supplies | Supplies | Treasurer | \$0 | |
| Dues Income | INCOSE Dues Shares | Membership | | \$8,800 |
| Meeting Expense | Corporate/Private Donation for Student Dinners | Membership | | \$1,000 |
| Miscellaneous, Bus | Discretionary Funds (Membership Drives, etc..) | Membership | \$150 | |
| Publicity Expense | Advertising, Publicity | Membership | \$100 | |
| Supplies | Business Cards | Membership | \$100 | |
| Awards | Anne Arundel Science Fair | Membership | \$1,100 | |
| Awards | Baltimore Science Fair | Membership | \$1,100 | |
| Conference Fees for 10 Students to Attend IS19 | IS19 – INCOSE International Symposium | Membership (UMD SE Student Division) | \$5,400 | |

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|--|-----------------------------------|---|---------|-----|
| INCOSE-CC SEP Gala Attendance & Transportation | INCOSE-CC SEP Gala | Membership (UMD SE Student Division) | \$590 | |
| INCOSE-CC Holiday Gala Attendance 7 Transportation | INCOSE-CC Holiday Gala | Membership (UMD SE Student Division) | \$590 | |
| INCOSE-CC BoD Meeting Transportation | INCOSE-CC BoD Meetings | Membership (UMD SE Student Division) | \$240 | |
| INCOSE-CC Monthly Dinner Meetings Transportation | INCOSE-CC Monthly Dinner Meetings | Membership (UMD SE Student Division) | \$0 | |
| Merchandise Expense | Coffee Mugs | Secretary | \$300 | |
| Merchandise Income | Challenge Coins | Secretary | | \$0 |
| Merchandise Income | Coffee Mugs | Secretary | | \$0 |
| Special Awards | Special Awards | Secretary | \$500 | |
| Frames | Frames (\$8 x 40) | Secretary | \$320 | |
| Other Award Materials | Other Award Materials | Secretary | \$100 | |
| Miscellaneous, Bus | Discretionary Funds | Secretary | \$100 | |
| Postage and Delivery | Secretary Postage | Secretary | \$15 | |
| Postage and Delivery | PO Box Rental-Laurel | Secretary | \$120 | |
| Supplies | Paper, Ink, Sleeves, etc. | Secretary | \$100 | |
| Storage Unit & Insurance | Storage Unit & Insurance | Secretary | \$1,956 | |
| Supplies | Supplies | Secretary | \$150 | |

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|----------|----------|----------|
| Totals = | \$65,003 | \$62,830 |
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