

CHARTER

DEPS DIRECTED ENERGY EFFECTS COMMITTEE

PURPOSE

The Directed Energy Effects Committee of the Directed Energy Professional Society (DEPS) will foster the collection, storage, distribution, and accurate application of trustworthy directed energy (DE) effects data. Committee members from government, industry and academic organizations will work together to help in the development of DE effects data to support the deployment of DE systems. The Committee will maintain a broad perspective and provide a venue in which to coordinate the interests of the constituents of the DE Community. Also, the committee will facilitate the exchange of Directed Energy ideas and concepts between government, industry and academic members.

SCOPE

The scope of the Committee's interests will include

- RF and lasers effects
- All postures, including offense, defense, and protection
- Materials, components, sub-systems and systems effects
- Development of guidelines and standards for DE Effects data production
- Requirements for database storage of DE-effects data
- Facilitate the dissemination of DE-effects data
- Validated simulation, modeling and other applications of DE effects data and information

AUTHORITY

The DE Effects Committee is a creation of the Directed Energy Professional Society (DEPS). Its officers serve at the pleasure of the DEPS Board of Directors. The DEPS Board will maintain liaison with the Committee and its officers through the DEPS Executive Director. The Committee will report its activities to the Board at least annually. The DEPS Executive Director will approve, in advance, any expenditure of DEPS funds for Committee activities.

ACTIVITIES

The activities of the DE Effects Committee directly support the purpose outlined above through support to the following:

- Identify deficiencies in DE effects data collection and storage
- Advocate solutions for these deficiencies

- Identify DE effects modeling and simulation standards needed to interface accurately with the broader modeling and simulation community
- Advocate solutions for gaps in DE modeling and simulation effects standards and interface definitions
- Promote the broad dissemination of DE effects data and associated effects models to responsible parties
- Take other actions as appropriate to foster the production, storage, distribution and correct use of trustworthy DE effects information

ORGANIZATION

The Committee will be led by a Chairman and Chairman-Elect, who are elected by the Committee membership. The Chairman-Elect will succeed the Chairman annually. The chairmanship will alternate between an employee of the US government, and a member of industry or academia. The Chairman-Elect will serve in the Chairman's absence. The Chairman will appoint a Secretary. The Chairman may form internal sub-elements such as action groups and sub-committees to investigate specific issues or to perform tasks.

MEMBERSHIP

The DE Effects Committee will consist of any DEPS members interested in DE effects who indicate an interest in joining by participating in a Committee meeting. The Secretary will maintain a membership list. Failure to participate in at least one Committee meeting annually or a lapse in DEPS membership will terminate Committee membership.

COMMITTEE OPERATIONS

The Committee will meet as often as required. The location of Committee meetings will vary, depending on availability of adequate facilities and the opportunity to hold meetings in conjunction with other DEPS meetings, including especially the Annual DE Symposium and the DE Systems Symposium. Sub-elements of the Committee will meet as required.

The Committee Chairman will set the date, location, and draft agenda for Committee meetings; however, all members are encouraged to propose agenda topics for the meetings. The Chairman will review the proposed items to ensure they are ready for presentation and either include them in the agenda for the current meeting or hold them for inclusion in future meetings. The Chairman will forward the finalized agenda and read-aheads to all attendees prior to the meeting. The Secretary will produce and distribute meeting minutes to the members.

The Committee is not a decision forum and does not have the means to direct action beyond the volunteer activities of its members, however, it can produce and promote a consensus of the community on issues within its charter and recommend actions to other organizations.

Several mechanisms exist for communicating Committee interests and concerns to the broader community, including white papers, reports, conferences, and short courses. The Committee or its sub-elements can write and publish the results of their deliberations. An example includes the *HEL Lethality Data Collection Standards*, a document published by DEPS and given wide distribution in the laser effects community. The Committee can take an active role in producing

and managing DEPS conferences or workshops on subjects within its purview. The DEPS conferences that share scope with the Committee include the HPM Weapons Conference, the HPM Workshop, the Laser Lethality Conference, and the DE Effects Mitigation Conference. The Committee can develop short courses to communicate its specific interests in detail. Numerous DEPS short courses have been taught on topics of interest to the committee, such as “Introduction to Lethality Science”, “Ultrashort Bioeffects”, and “RF Directed Energy Effects”.

ADMINISTRATION

The DEPS Board must approve this charter, which will be reviewed, updated, and approved as required.