

CHARTER FOR THE IMOG MACHINE TOOL AND NUMERICAL CONTROL SUBGROUP

Purpose

The Interagency Manufacturing Operations Group (IMOG) is established to encourage and coordinate information exchange within the Nuclear Security Enterprise (NSE). This exchange will improve the manufacturing processes for components and assemblies, and create an atmosphere of excellence and teamwork within the NSE.

The Machine Tool and Numerical Control Subgroup (MTNCS) of the IMOG is established to exchange information, views, and ideas on machining technology, numerical control technology, and other computer-based systems involved in the related engineering design and manufacturing processes of weapon components and assemblies essential to the manufacture or demilitarization of weapon and non-weapon components and assemblies. This exchange is designed to share and promote the advancement of technologies within the participating NSE sites.

The technical exchange encompasses all activities relating to machining and numerical control systems in the broadest sense for developing processes used to shape, add or remove material to produce components. This may also include ancillary processes such as on-machine gaging, cutting tool management, and inspection methods. The MTNCS focuses on efforts to increase the functionality, life, accuracy, security, safety, and reliability of fabrication and control systems.

A strong emphasis should focus on reducing the overall cost of operations by maximizing information exchange on solutions for productivity, quality, and/or projects of common interest.

MTNCS Functions

- Maintain liaison with other IMOG subgroups, the Steering Committee and appropriate agencies. Periodically hold joint meetings with other subgroups where appropriate.
- Hold periodic meetings in which technical information on related subjects and current problems is presented and discussed. (Reference the Activities section)
- Encourage all members to participate actively in these meetings by presenting papers and talks.
- Disseminate information resulting from MTNCS meetings by publishing minutes of these meetings.

- Encourage standardization of nomenclature, equipment and / or methods where common solutions are possible.
- Share information about potentially useful manufacturing systems.
- Evaluate the technical advances within the machine tool industry as applied to NSE problems.
- Foster collaboration within the NSE to effectively understand existing and new manufacturing methods and machine tool technologies.

Scope

Areas of interest which involve or concern the Machine Tool and Numerical Control Subgroup may include but are not limited to the following:

- Cutting systems, machine controls, and communication systems.
- Evaluation of new techniques, methods, and equipment through a unified viewpoint and shared team approach.
- Facilitation of the transmission of designs, manufacturing data, numerical systems, and inspection information between participating agencies using a common format.
- Development of collective viewpoints for dealing with commercial suppliers.
- Computer programs and programming systems which apply to computer-assisted engineering design and manufacturing.

Activities

The specific activities of the Machine Tool and Numerical Control Subgroup may include the following:

- To hold meetings semi-annually for the purpose of conducting the business of the subgroup.
- To form special study groups to study special mutual problems and/or areas of concern or interest.
- To make recommendations for uniform practices and techniques within the participating agencies.
- To publish and distribute the results of surveys, special study group studies, and other activities of the group.
- To review new machine tools, test equipment, and controllers.

- To review new programs, systems, and/or languages for possible adoption by the participating agencies.

Membership

Each NSE facility directly concerned with the development or production of nuclear weapon components, assemblies, or related hardware is invited to appoint two primary representatives to the IMOG Machine Tool and Numerical Control Subgroup; one primary representative for machine tools and one primary representative for numerical systems. Each facility may appoint additional sustaining members to properly represent diverse organizational interests. A primary representative unable to attend a meeting may appoint an alternate representative.

Voting

Where necessary to fulfill the purpose, function, and activities within the scope of this group, the following voting procedure is established:

Only the primary members from the participating facilities or their appointed alternates shall have a vote.

Meetings

Meetings are to be rotated among the participating facilities or at other sites chosen by the members of the Machine Tool and Numerical Control Subgroup.

Organization

A Vice Chairman is elected by the MTNCS primary members to serve for a term covering two meetings of the IMOG Steering Committee, and will then serve as Chairman of the MTNCS for a term covering two additional meetings of the IMOG Steering Committee. The Chairman and Vice Chairman will alternate between machine tool primary representatives and numerical control primary representatives.

Duties of Chairman:

1. Notifying members of the time, place and agenda for meetings.
1. Presiding over meetings.
3. Issuing meeting minutes and various reports to members and other Interested individuals, including the IMOG historian.
4. Serving as the official MTNCS spokesperson to the IMOG steering

committee.

5. Maintaining appropriate communication with IMOG Steering Committee and other subgroups.
6. Arranging for the election of a new Vice Chairman at the last meeting of his two-year term of office.
7. Provide an annual report of subgroup activities at the annual IMOG steering committee meeting.

The Vice Chairman will succeed the Chairman at the end of his regular term or upon notification that the Chairman cannot complete his full term. During a temporary absence of the Chairman, the Vice Chairman will temporarily assume the duties of the Chairman.

The Chairman may appoint a Secretary to assist him. For convenience in coordinating administrative matters, the Secretary may be selected from the Chairman's facility. The Secretary's duties may include preparation and distribution of meeting notices, minutes, and reports, and maintenance of official records of the group.

Election of Officers

A nominating committee, consisting of not less than three primary machine tool representatives and three primary numerical control representatives, will present the names of the nominees for the position of Vice Chairman of the MTNCS as soon as practicable after the nominating committee meeting. Additional nominations will then be solicited from the entire MTNCS. The Vice Chairman will be elected by secret ballot and the results announced immediately after the ballots have been counted.

Charter Approval and Amendment

The charter is effective as soon as it is approved by the MTNCS and the IMOG Steering Committee. Once approved, the charter may be amended by majority vote of the MTNCS and concurrence of the IMOG Steering Committee.

Chairman MTNCS
Richard S. Henry
January 24, 2012