

WELCOME to the API Subcommittee on Mechanical Equipment (SOME). As chairman of the SOME, I would like to assist you in discovering how you can be a part of an elite group that develops the most comprehensive equipment standards in the industry. I know that you have many questions concerning the API organization and the make-up of the SOME. I would like to provide some answers and information for you through the use of frequently asked questions of the subcommittee. If you would like to participate in this great organization or you have additional questions, please contact the API representative for the SOME, Duane Brown.

You can contact Duane Brown by phone or through his e-mail address. Phone number: 202-682-8190

E-mail address: brownd@api.org

Web Site: <http://mycommittees.api.org/standards/cre/some/default.aspx>

FREQUENTLY ASKED QUESTIONS to the SOME:

1) What is the API organization?

As the primary trade association representing the interests of the oil and natural gas industry, API is also the cornerstone in development of equipment and operating standards. Beginning with its first standard in 1924, API now maintains some 500 standards covering all segments of the industry. API is an American National Standards Institute (ANSI) accredited standards developing organization. The API standards program has gone global, through active involvement in the development of International Standards Organization (ISO) standards suitable for use by a global industry. In today's environment of increased workload and decreased human resources, standardization has become a paramount concern of the world's oil and natural gas companies, equipment manufacturers, and suppliers.

2) Who are the members of the API?

The members of API are individuals that work for oil, natural gas, and petrochemical companies, as well as engineering contractors and equipment suppliers dealing with these industries, and former employees of these companies that are now consultants in their fields. Corporate membership in API is not required for participation on standards committees.

3) How does the SOME fit into the API Organization?

There are many different committees that make up API. One of these committees is the subcommittee on mechanical equipment (SOME). The mechanical equipment referred to is the rotating equipment. Some of the other subcommittees are: electrical equipment, instrumentation, fixed equipment, and inspection.

4) What is the structure of the API SOME standards committees?

Each standard has a task force responsible for that document. The task forces are manned by subject matter experts. The task forces report to and receive direction from the SOME. Within the SOME there is a steering committee that manages the activities of the entire committee.

5) Who are the members of the SOME?

The members of the SOME are individuals from many different companies that deal with rotating equipment. These individuals include the users of the equipment, engineering contractors, manufacturers, and consultants in the industry. Typically each company has one or more representatives that participate in the SOME main meetings and then on the different task forces.

6) What is the responsibility of the SOME to the API organization?

The SOME is responsible for maintaining the rotating equipment standards and recommended practices of the API organization. This includes the writing of new standards or recommended practices and the maintaining of the developed standards and recommended practices. Per the requirements handed down to the SOME by API, each standard or recommended practice must be reviewed at least every 5 years to determine whether it needs to be upgraded or it is good as is and can be reaffirmed.

7) When and where does the SOME meet?

Twice a year, spring and fall, are the main API meetings and during that time period, the SOME meets. The meetings are held in different locations throughout the United States. These meeting locations are identified on the SOME website.

8) What happens at a SOME meeting?

During a SOME meeting, the work of the different task forces writing or rewriting the standards or recommended practices are reviewed. Typically there are several standards or recommended practices that are reviewed during the meetings. Usually the drafts of the standards or recommended practices to be reviewed have previously been supplied to the SOME through the SOME website and comments have been provided to the task force. The comments and any additional comments during the meeting are addressed. In addition, a task force may choose to provide a tutorial on different subject matter contained within the document for further understanding to the SOME. During these reviews there are many discussion topics where information and ideas are shared with respect to the document from different people. These discussions provide a great forum for learning about the details of these topics and the basis of why the document is stated the way it is.

You do not have to be a member of the SOME to participate in the SOME meetings or involved on a task force. However, it is recommended that you join the SOME and a task force to become involved in the preparation of the documents. By being an active participant, your input can be utilized and a learning forum will exist for you.

9) What standards and recommended practices are under the umbrella of the SOME?

See the attached listing at the end of these questions.

10) How are these standards and recommended practices updated?

These documents are prepared through the work of the task force. A task force is a sub-group of the SOME. Each standard and recommended practice has a task force responsible for the document. These task forces meet when the document is to be written or re-written. The task force will have meetings through the several years that it takes to write or re-write the document. These task force meetings can be either face-to-face meetings or web conference meetings. More and more web conference meetings are held today which provides greater efficiency with each person's time and also controls costs for traveling.

11) Who makes up the different task forces and how often do they meet?

Each task force has a chairman who is responsible for the task force. This task force chairman is responsible for organizing the task force to ensure that there is a good balance of users, engineering contractors, manufacturers and consultants as required. The task force meets as necessary to complete the work to be presented at the SOME main meetings. Typically an active task force will have several meetings a year. With the web conference meetings, there are typically more meetings on a frequent time period that are shorter lasting than a face-to-face meeting held at some location and each having to travel. A task force member is a person interested in the development of the document. There are many people who participate in the task forces who do not attend the main meetings of the API unless their task force is presenting. The SOME especially encourages international participation.

12) What task forces are active and how do I join?

To join a task force, review which ones are to become active by reviewing the information on the SOME website and contact Duane Brown for information. Duane will put you in contact with the task force chairman.

13) How do I join the SOME?

In order to join the SOME, it is simple. Come participate in the main meetings and discuss with the SOME chairman.

14) How can I learn more about the SOME?

- Contact Duane Brown, the API representative for the SOME at brownd@api.org.
- Review the SOME website information:

<http://mycommittees.api.org/standards/cre/some/default.aspx>

15) What is the 10-year plan?

The SOME looks out ahead, typically 10 years in advance, as to the status of the documents and which ones will be required to be reviewed. This plan allows the ability to spread out the work so the review of the documents are not due at the same time. This 10 year plan is tentative and can change from year to year. The 10 year plan can be found on the SOME website.

Thanks for your interest in the SOME

Tim Hattenbach

SOME Chairman

SOME Managed Standards and Recommended Practices

| Standard | Title | Task Force Chair |
|----------|--|-------------------|
| Std 610 | Centrifugal Pumps for Petroleum, Petrochemical, and Natural Gas Industries | Joe Thorp |
| Std 611 | General Purpose Steam Turbines for Petroleum, Petrochemical, and Natural Gas Industries | Robby Jackson |
| Std 612 | Petroleum, Petrochemical, and Natural Gas Industries Steam Turbines- Special-Purpose Applications | Nitin Ghaisas |
| Std 613 | Special Purpose Gear Units for Petroleum, Petrochemical, and Natural Gas Industries | Sameer Patwardhan |
| Std 614 | Lubrication, Shaft-Sealing, and Control-oil Systems and Auxiliaries for Petroleum, Petrochemical, and Natural Gas Industries | Kevin Kisor |
| Std 616 | Gas Turbines for Petroleum, Chemical, and Gas Industry Services | Tim Hattenbach |
| Std 617 | Axial and Centrifugal Compressors and Expander-compressors for Petroleum, Chemical, and Gas Industry Services | John Kocur |
| Std 618 | Reciprocating Compressors for Petroleum, Chemical, and Gas Industry Services | Bob Eisenmann |
| Std 619 | Rotary-type Positive Displacement Compressors for Petroleum, Petrochemical, and Natural Gas Industries | Rich Dow |
| Std 670 | Machinery Protection Systems | Tim Hattenbach |
| Std 671 | Special Purpose Couplings for Petroleum, Chemical, and Gas Industry Services | Terry Roehm |
| Std 672 | Packaged, Integrally Geared Centrifugal Air Compressors for Petroleum, Chemical, and Gas Industry Services | Jim Bryant |
| Std 673 | Special Purpose Fans | Curt Goode |
| Std 674 | Positive Displacement Pumps - Reciprocating | Morg Bruck |
| Std 675 | Positive Displacement Pumps - Controlled Volume | Morg Bruck |
| Std 676 | Positive Displacement Pumps- Rotary | Morg Bruck |
| Std 677 | General Purpose Gear Units for Petroleum, Chemical, and Gas Industry Services | Gary Ehlers |
| Std 681 | Liquid Ring Vacuum Pumps and Compressors | Albert Kuo |
| Std 682 | Pumps- Shaft Sealing Systems for Centrifugal and Rotary Pumps | Joe Thorp |
| Publ 684 | API Standard Paragraphs Rotordynamic Tutorial: Lateral Critical Speeds, Unbalance Response, Stability, Train Torsionals, and Rotor Balancing | John Kocur |
| Std 685 | Sealless Centrifugal Pumps for Petroleum, Heavy Duty Chemical, and Gas Industry Services | Jim Bryant |
| RP 686 | Machinery Installation and Installation Design | Morg Bruck |
| RP 687 | Rotor Repair | Terry Roehm |
| RP 688 | Pulsation Design | Bruce McCain |
| Std 689 | Collection and Exchange of Reliability and Maintenance Data For Equipment | Joe Thorp |
| RP 691 | Risk Based Inspection for machinery | Joe Thorp |
| Std 692 | Dry Gas Seal Systems | Bob Eisenmann |
| RP 697 | Pump Repair | Daryl Taylor |
| | Standard Paragraphs | John Kocur |
| SIRE | Source Inspector | Robby Jackson |

API invites you to join its

Subcommittee on Mechanical Equipment (SOME)

**Be a part of the world's foremost
machinery standards—writing body**

Since 1924, the American Petroleum Institute has been a cornerstone in establishing and maintaining standards for the worldwide oil and natural gas industry. In today's environment of increased workload and decreased human resources, standardization has become a paramount concern of the world's petroleum, chemical, and natural gas companies, as well as equipment manufacturers and suppliers.

New to the industry?

The benefits you'll get from committee participation are tremendous. You'll be able to network with your peers, make important industry contacts, and interact with the best minds in the business. API participation is a development opportunity for staff specialists for whom there are no available "training courses" and counts in most states as PDU/CEU's toward professional engineering registration.

Through working with the industry leaders, you will come to know the "story behind the standard"; the reasoning and perspective to apply the industry specifications with sound judgment and deep knowledge. Every subcommittee meeting results in information exchange on problems and opportunities. You will be there when experts share experiences from literally around the world.

Become recognized as an industry leader in your field of expertise.

API standards committee members are acknowledged as the industry's best talent and most knowledgeable individuals.

It's standardization that keeps the petroleum, chemical, and natural gas industries moving forward and it's your knowledge and input that drive the development of API Standards. By participating in the API standards development process, you'll not only be able to share your hard-earned depth of knowledge, you'll also gain important knowledge by keeping up with the latest ideas and technologies.

You'll share information, lessons learned, and stay up-to-date on the latest trends. It's a total win-win situation – you'll be able to soak up knowledge and stay technically competent while helping to keep the advances in the industry rolling.

SOME Managed Standards

- **Std 610** Centrifugal Pumps for Petroleum, Petrochemical, and Natural Gas Industries
- **Std 611** General Purpose Steam Turbines for Petroleum, Petrochemical, and Natural Gas Industries
- **Std 612** Petroleum, Petrochemical, and Natural Gas Industries Steam Turbines - Special-Purpose Applications
- **Std 613** Special Purpose Gear Units for Petroleum, Petrochemical, and Natural Gas Industries
- **Std 614** Lubrication, Shaft-Sealing, and Control-oil Systems and Auxiliaries for Petroleum, Petrochemical, and Natural Gas Industries
- **Std 616** Gas Turbines for Petroleum, Chemical, and Gas Industry Services
- **Std 617** Axial and Centrifugal Compressors and Expander-compressors for Petroleum, Chemical, and Gas Industry Services
- **Std 618** Reciprocating Compressors for Petroleum, Chemical, and Gas Industry Services
- **Std 619** Rotary-type Positive Displacement Compressors for Petroleum, Petrochemical, and Natural Gas Industries
- **Std 670** Machinery Protection Systems
- **Std 671** Special Purpose Couplings for Petroleum, Chemical, and Gas Industry Services
- **Std 672** Packaged, Integrally Geared Centrifugal Air Compressors for Petroleum, Chemical, and Gas Industry Services
- **Std 673** Special Purpose Fans
- **Std 674** Positive Displacement Pumps - Reciprocating
- **Std 675** Positive Displacement Pumps - Controlled Volume
- **Std 676** Positive Displacement Pumps - Rotary
- **Std 677** General Purpose Gear Units for Petroleum, Chemical, and Gas Industry Services
- **Std 681** Liquid Ring Vacuum Pumps and Compressors
- **Std 682** Pumps - Shaft Sealing Systems for Centrifugal and Rotary Pumps
- **Publ 684** API Standard Paragraphs Rotordynamic Tutorial: Lateral Critical Speeds, Unbalance Response, Stability, Train Torsionals, and Rotor Balancing
- **Std 685** Sealless Centrifugal Pumps for Petroleum, Heavy Duty Chemical, and Gas Industry Services
- **RP 686** Machinery Installation and Installation Design
- **RP 687** Rotor Repair
- **Std 691** Risk Based Inspections for Machinery
- **Std 692** Dry Gas Seal Systems
- **RP 697** Pump Repair
- **Standard Paragraphs**

For information on joining SOME, contact:

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For on-line information and updates, visit:
www.api.org