



# 2015 Spring Refining and Equipment Standards Meeting

April 13-16, 2015  
Sheraton Seattle Hotel  
Seattle, Washington

*Pre- and Post-Week Meetings:  
April 11-12 and April 16-17, 2015*

## Program

*(Current as of April 7, 2015)*

### Saturday, April 11, 2015

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#### Mechanical Equipment

API Task Force 616, Gas Turbines for the Petroleum,  
Chemical, and Gas Industry Services

8:00 am – 5:00 pm

### Sunday, April 12, 2015

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#### General

Registration

1:00 pm – 5:00 pm

Sponsor and Exhibitor Display  
(Setup)

1:00 pm – 5:00 pm

#### Aboveground Storage Tanks/Inspection/Corrosion and Materials

SCAST/SCI/SCCM Coordination Committee  
*(Leadership Teams & API Reps)*

4:00 pm – 5:00 pm

#### Mechanical Equipment

API Task Force 616, Gas Turbines for Petroleum,  
Chemical, and Gas Industry Services

8:00 am – 3:30 pm

API Task Force 677, General Purpose Gear Units for  
Petroleum, Chemical, and Gas Industry Services

8:00 am – 5:00 pm



**Sunday, April 12, 2015**  
**(cont'd.)**

## **Piping and Valves**

Task Force on Std. 594, Check Valves: Flanged, Lug,  
Water, and Butt-Welding  
3:00 pm – 5:00 pm

## **Refinery Equipment**

CRE Chairs and Sponsors Workshop  
*(Members and Invited Guests Only)*  
6:00 pm – 8:00 pm



## Monday, April 13, 2015

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### General

Welcome Breakfast and General Session – “Oil and Gas:  
*Where We Are and Where We Are Going*”

7:00 am – 8:30 am

Registration

7:00 am – 5:00 pm

Sponsor and Exhibitor Displays

7:00 am – 5:00 pm

Spouses' Breakfast

8:00 am – 10:00 am

Orientation for New Committee Members and New  
Attendees

8:30 am – 9:30 am

Special Afternoon Networking Break

2:30 pm – 3:00 pm

Welcome Reception

6:00 pm – 7:00 pm

### Aboveground Storage Tanks

12 Series (Production Tanks) Task Group

8:30 am – 12:00 pm

Tank Safety Task Group (2015, 2026, 2027, and 2207)

8:30 am – 12:00 pm

Refrigerated Tank Task Group

8:30 am – 4:30 pm

RP 545, Recommended Practice for Lightning Protection  
of Aboveground Storage Tanks for Flammable or  
Combustible Liquids

1:00 pm – 5:00 pm

Owners and Operators

4:30 pm – 6:00 pm

Manufacturers and Contractors

5:00 pm – 6:00 pm



## Monday, April 13, 2015 (cont'd.)

### Corrosion and Materials

Task Group on Corrosion and Materials Research  
8:30 am – 10:30 am

API 934 H, Cr-Mo Reactor Maintenance  
10:30 am – 12:30 pm

API 941, High Temperature Hydrogen Attack  
1:30 pm – 5:30 pm

### Electrical Equipment

RP 546, Brushless Synchronous Machines – 500 kVA and Larger  
8:30 am – 5:00 pm

RP 500 and 505, Electrical Classification and NEC Proposals  
8:30 am – 5:00 pm

RP 545, Recommended Practice for Lightning Protection of Aboveground Storage Tanks for Flammable or Combustible Liquids  
1:00 pm – 5:00 pm

### Fitness-for-Service

API/ASME Joint Committee on Fitness-for-Service  
8:30 am – 5:00 pm

### Heat Transfer Equipment

Task Group on Std. 560, Fired Heaters (Burners & Dampers)  
8:30 am – 12:00 pm

SCHTE (API 537) & SCPRS (API 521) Meeting  
8:30 am – 12:00 pm

Task Group on Std. 668, Braze Aluminum Plate Fin Heat Exchangers  
8:30 am – 4:30 pm



## Monday, April 13, 2015 (cont'd.)

### Heat Transfer Equipment (cont'd.)

SCHTE Fired Consensus Group  
1:00 pm – 4:30 pm

SCHTE Steering Committee  
*(Committee Members Only)*  
4:30 pm – 6:00 pm

### Inspection

Inspection Codes Task Group  
8:30 am – 4:30 pm

NDE Task Group / NDE Qualification  
4:30 pm – 6:00 pm

### Instrument and Control Systems

Subcommittee on Instruments and Control Systems  
8:30 am – 5:00 pm

### Mechanical Equipment

SOME Joint Review on Standard Paragraphs  
8:30 am – 12:00 pm

SOME Joint Review on Std. 616, Gas Turbines for the  
Petroleum, Chemical, and Gas Industry Services  
1:00 pm – 5:00 pm



**Monday, April 13, 2015**  
**(cont'd.)**

## **Piping and Valves**

Piping Executive Session

*(Users Only)*

8:30 am – 9:30 am

Piping Manufacturers and Contractors

8:30 am – 9:30 am

Piping Subgroup on Gate, Globe, and Check Valves

9:30 am – 12:30 pm

Piping Subgroup on Quarter Turn Valves and Valve Quality

1:30 pm – 5:00 pm

## **Pressure Relieving Systems**

SCHTE (API 537) & SCPRS (API 521) Meeting

8:30 am – 12:00 pm

Task Force on Std. 520, Pressure Relieving Devices, Part II

8:30 am – 5:00 pm

## **Refinery Equipment**

CRE Refractories Project Group

8:30 am – 5:00 pm

## **Technical Data Committee**

Technical Data Book

8:30 am – 5:00 pm



**Tuesday, April 14, 2015**

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## General

Registration

7:00 am – 4:00 pm

Sponsor and Exhibitor Displays

7:00 am – 5:00 pm

Spouses' Breakfast

7:00 am – 9:30 am

Special Afternoon Networking Break

2:30 pm – 3:00 pm

## Aboveground Storage Tanks

Subgroup Fabrication

8:00 am – 5:30 pm

Subgroup Design

8:00 am – 5:30 pm

## Corrosion and Materials

SCCM Officers

*(Officers Only)*

7:00 am – 8:00 am

API 934-A-B-C-E CrMo Reactor Specifications

8:00 am – 11:00 am

RP 939-C Sulfidation

9:00 am – 11:00 am

API 934-I, CrMo Reactor Inspection

11:00 am – 12:00 pm

High Temperature Hydrogen Attack JIP

*(Sponsors Only)*

12:00 pm – 2:00 pm

API RP 934-F, Reactor MPT

2:00 pm – 4:00 pm

RP 934-J, Coke Drum Repairs

4:00 pm – 5:00 pm



**Tuesday, April 14, 2015**  
**(cont'd.)**

## **Electrical Equipment**

RP 546, Brushless Synchronous Machines – 500 kVA and Larger

8:00 am – 5:00 pm

RP 500 and 505, Electrical Classification and NEC Proposals

8:00 am – 5:00 pm

## **Fitness-for-Service**

API/ASME Joint Committee on Fitness-for-Service

8:30 am – 5:00 pm

## **Heat Transfer Equipment**

Task Group on RP 565, Reactor Furnaces in Sulfur Recovery Units for General Refinery Services – **General Session**

8:00 am – 9:00 am

Task Group on Std. 534, Heat Recovery Steam Generators – **General Session**

8:00 am – 10:00 am

Std. 561 (Reforming Furnaces)  
(RPG/SCHTE Refractory Subgroup)

8:00 am – 12:00 pm

Task Group on Std. 537, Flare Details Ballot Comment Resolution

8:00 am – 6:00 pm

Task Group on Std. 669, Heat Recovery Systems

8:00 am – 6:00 pm

Roundtable on Coatings for API 560

9:00 am – 12:00 pm



**Tuesday, April 14, 2015**  
**(cont'd.)**

**Heat Transfer Equipment**  
**(cont'd.)**

Task Group on Std. 534, Heat Recovery Steam  
Generators – **Breakout A**  
10:00 am – 2:30 pm

Task Group on Std. 534, Heat Recovery Steam  
Generators – **Breakout B**  
10:00 am – 2:30 pm

Task Group on Std. 534, Heat Recovery Steam  
Generators – **Breakout C**  
10:00 am – 2:30 pm

Task Group on Std. 534, Heat Recovery Steam  
Generators – **Breakout D**  
10:00 am – 2:30 pm

Std. 565 (Reactor Furnaces in Sulfur Recovery)  
RPG/SCHTE Refractory Subgroup  
1:00 pm – 6:00 pm

Task Group on Std. 534, Heat Recovery Steam  
Generators – **General Session**  
3:00 pm – 6:00 pm

**Inspection**

Task Group on RP 576  
7:30 am – 11:30 am

Task Force on RP 581, Risk-Based Inspection – Ballot  
Resolution Session and Business Meeting  
8:00 am – 12:00 pm

Task Group on RP 580  
1:00 pm – 2:30 pm

Task Group on RP 572  
2:30 pm – 4:30 pm

Inspection Subcommittee – Manufacturers and  
Contractors  
4:30 pm – 6:30 pm



**Tuesday, April 14, 2015**  
**(cont'd.)**

## **Instrument and Control Systems**

Task Group RP 554, Parts 1-3, Control Systems Functions  
8:00 am – 11:30 am

Task Group on RP 552, Transmission Systems  
1:00 pm – 5:00 pm

## **Mechanical Equipment**

SOME Joint Review on Std. 677, General Purpose Gear  
Units for Petroleum, Petrochemical and Natural Gas  
Industries  
8:00 am – 12:00 pm

SOME Joint Review on Standard 614, Lubrication, Shaft-  
Sealing and Oil Control Systems and Auxiliaries  
1:00 pm – 4:30 pm

## **Operating Practices**

Registration  
Operating Practices Symposium (OPS)  
*(Refining and Petrochemical Operating Companies Only)*  
7:00 am – 5:00 pm

## **Piping and Valves**

Piping Joint Meeting  
8:30 am – 11:30 am

Task Force on Std. 607, Fire Test for Soft-Seated Quarter  
Turn Valves  
1:00 pm – 5:00 pm

Task Force on Std. 622, Type Testing of Process Valve  
Packing for Fugitive Emissions  
1:30 pm – 4:30 pm

Task Force on RP 621, Valve Reconditioning  
1:30 pm – 4:30 pm



**Tuesday, April 14, 2015**  
**(cont'd.)**

**Pressure Relieving Systems**

Task Force on Std. 521, Pressure Relieving and De-  
Pressurized Systems  
8:00 am – 5:00 pm

**Refinery Equipment**

Project Coordinating Committee  
10:00 am – 4:00 pm

**Refining Subcommittee**

Refining Subcommittee  
*(Committee Members and Invited Guests Only)*  
1:00 pm – 6:00 pm

**Technical Data Committee**

Technical Data Book  
8:30 am – 12:00 pm



Wednesday, April 15, 2015

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## General

Registration  
7:00 am – 4:00 pm

## Aboveground Storage Tanks

Joint Session  
8:00 am – 12:00 pm

## Corrosion and Materials

Duplex Stainless Steel Welding JIP  
8:00 am – 10:00 am

RP 970, Corrosion Control Documents  
8:00 am – 10:30 am

RP 582, Welding Guidelines  
10:00 am – 12:00 pm

RP 945, Amine SCC  
10:30 am – 12:00 pm

SCCM Joint and Business Meeting  
1:00 pm – 2:30 pm

## Electrical Equipment

RP 546, Brushless Synchronous Machines – 500 kVA  
and Larger  
8:00 am – 12:00 pm

SOEE Joint Committee  
1:00 pm – 5:00 pm

## Heat Transfer Equipment

SCHTE Unfired Consensus Group  
7:00 am – 8:00 am

Task Group on Std. 534, Heat Recovery Steam  
Generators – **General Session**  
8:00 am – 10:00 am

Std. 561, Reforming Furnaces for H<sub>2</sub> & Syngas –  
**General Session**  
8:00 am – 9:00 am



Wednesday, April 15, 2015  
(cont'd.)

Heat Transfer Equipment  
(cont'd)

Task Group on RP 565, Reactor Furnaces in Sulfur Recovery Units for General Refinery Services Burner Subgroup

8:00 am – 6:00 pm

SCHTE/SOICS RP 556, Gas Heater Controls & Instrumentation

9:30 am – 12:00 pm

Std. 561, Reforming Furnaces for H<sub>2</sub> & Syngas –

**Breakouts 1, 2, and 3**

9:00 am – 5:00 pm

Std. 561, Reforming Furnaces for H<sub>2</sub> & Syngas Gas –

**Breakout A**

9:00 am -5:00 pm

Std. 561, Reforming Furnaces for H<sub>2</sub> & Syngas –

**Breakout B**

9:00 am – 5:00 pm

Std. 561, Reforming Furnaces for H<sub>2</sub> & Syngas –

**Breakout C**

9:00 am – 5:00 pm

Std. 561, Reforming Furnaces for H<sub>2</sub> & Syngas –

**Breakout D**

9:00 am – 5:00 pm

Task Group on Std. 667, Plate and Frame Heat Exchangers

9:00 am – 6:00 pm

Task Group on Std. 534, Heat Recovery Steam Generators – **Breakout A**

10:00 am – 2:30 pm



**Wednesday, April 15, 2015**  
**(cont'd.)**

**Heat Transfer Equipment**  
**(cont'd)**

Task Group on Std. 534, Heat Recovery Steam  
Generators – **Breakout B**  
10:00 am – 2:30 pm

Task Group on Std. 534, Heat Recovery Steam  
Generators – **Breakout C**  
10:00 am – 2:30 pm

Task Group on Std. 534, Heat Recovery Steam  
Generators – **Breakout D**  
10:00 am – 2:30 pm

SCHTE/SOICS Consensus Group  
1:00 pm – 2:30 pm

Std. 561, Joint Meeting – BMS Subgroup w/SOICS  
3:00 pm – 6:00 pm

Task Group on Std. 534, Heat Recovery Steam  
Generators – **General Session**  
3:00 pm – 6:00 pm

Std. 561, Reforming Furnaces for H<sub>2</sub> & Syngas –  
**General Session**  
5:00 pm – 6:00 pm

**Inspection**

578 Task Group Meeting  
7:30 am – 9:30 am

Inspector Certification Task Group  
9:30 am – 11:30 am

Inspection Summit Planning Committee  
1:00 pm – 2:00 pm

New NDE Qualification Document  
2:00 pm – 4:00 pm

RP 586 Development  
4:00 pm – 5:30 pm



**Wednesday, April 15, 2015**  
**(cont'd.)**

## **Instrument and Control Systems**

Joint SOICS/SCHTE RP 556, Gas Heater Controls &  
Instrumentation  
9:00 am – 12:00 pm

SOICS/SCHTE Consensus Group  
1:00 pm – 2:30 pm

## **Mechanical Equipment**

SOME Joint Review on 10-Year Plan  
8:00 am – 8:30 am

SOME Joint Review on Std. 681, Liquid Ring  
Compressors for Petroleum, Chemical, and Gas Industry  
Services  
8:30 am – 12:00 pm

SOME Joint Review on RP 688, Pulsation and Vibration  
Control in Positive Displacement Machinery Systems for  
Petroleum, Petrochemical, and Natural Gas Industry  
Services  
1:00 pm – 5:00 pm

## **Operating Practices**

Registration  
Operating Practices Symposium (OPS)  
*(Refining and Petrochemical Operating Companies Only)*  
7:00 am – 12:00 pm

Operating Practices Symposium (OPS)  
*(Refining and Petrochemical Operating Companies Only)*  
8:30 am – 5:00 pm  
***(Breakfast 8:00 am – 8:30 am)***

OPS Networking Lunch  
*(Symposium Participants Only)*  
12:00 pm – 1:00 pm



**Wednesday, April 15, 2015**  
**(cont'd.)**

## **Piping and Valves**

Executive Roundtable

*(User Members Only)*

8:30 am – 12:00 pm

## **Pressure Relieving Systems**

Task Force on Std. 526/527, Pressure Relief Valves

8:00 am – 10:00 am

Task Group on Std. 2000

10:00 am – 12:00 pm

Joint Session

1:30 pm – 5:00 pm

## **Refinery Equipment**

CRE Refractories Project Group

8:30 am – 5:00 pm



## Thursday, April 16, 2015

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### General

Registration  
7:00 am – 12:00 pm

### Corrosion and Materials

WRC/MPC Heavy Wall CrMo Vessel "PREVENT"  
Program  
*(Open to Members and Guests Upon Request)*  
8:00 am – 5:00 pm

### Heat Transfer Equipment

Std. 560 RPG/SCHTE Refractory  
8:00 am – 12:00 pm

Joint SCHTE-SOME Consensus Group Meeting  
(Unfired Equipment in SOME Standards)  
8:00 am – 12:00 pm

Task Group on RP 536, Post Combustion NOx Control  
8:00 am – 6:00 pm

RP 565, Joint Meeting w/SOICS BMS Subgroup  
8:00 am – 6:00 pm

Std. 810, Welded Plate – Block Heat Exchangers  
1:00 pm – 6:00 pm

### Inspection

Task Groups 570/574  
7:00 am – 12:00 pm

Inspector Certification Exam Construction – **Breakout 1**  
*(Invited Guests Only)*  
7:00 am – 5:00 pm

Inspector Certification Exam Construction – **Breakout 2**  
*(Invited Guests Only)*  
7:00 am – 5:00 pm

Subcommittee on Inspection – Joint Meeting  
1:30 pm – 5:00 pm



**Thursday, April 16, 2015**

**(cont'd.)**

## **Instrument and Control Systems**

RP 565, Joint Meeting w/SCHTE – BMS Subgroup

8:00 am – 6:00 pm

## **Mechanical Equipment**

Task Force on Std. 614, Lubrication, Shaft-Sealing, and  
Oil-Control Systems and Auxiliaries

8:00 am – 5:00 pm

Task Force on Std. RP 681, Liquid Ring Compressors

8:00 am – 5:00 pm

Task Force on Std. 688, Pulsation and Vibration Control in  
Positive Displacement Machinery Systems for Petroleum,  
Petrochemical, and Natural Gas Industry Services

8:00 am – 5:00 pm

Joint SOME-SCHTE Consensus Group Meeting  
(Unfired Equipment in SOME Standards)

8:00 am – 12:00 pm

## **Pressure Relieving Systems**

PERF II – Inlet Stability

8:00 am – 12:00 pm

## **Refinery Equipment**

Committee on Refinery Equipment

*(Members and Invited Guests Only)*

8:00 am – 6:00 pm



## Friday, April 17, 2015

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### Heat Transfer Equipment

Joint SCHTE-SOME Consensus Group Meeting  
(Rotating Equipment in SCHTE Fired Standards)  
8:00 am – 12:00 pm

### Inspection

Inspector Certification Exam Construction – **Breakout 1**  
(Invited Guests Only)  
7:00 am – 5:00 pm

Inspector Certification Exam Construction – **Breakout 2**  
(Invited Guests Only)  
7:00 am – 5:00 pm

### Mechanical Equipment

Joint SOME-SCHTE Consensus Group Meeting  
(Rotating Equipment in SCHTE Fired Standards)  
8:00 am – 12:00 pm

Task Force on Std. 688, Pulsation and Vibration Control in  
Positive Displacement Machinery Systems for Petroleum,  
Petrochemical, and Natural Gas Industry Services  
8:00 am – 5:00 pm

Task Force on Std. 614, Lubrication, Shaft-Sealing, and  
Oil-Control Systems and Auxiliaries  
8:00 am – 5:00 pm

## Saturday, April 18, 2015

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### Inspection

Inspector Certification Exam Construction – **Breakout 1**  
(Invited Guests Only)  
7:00 am – 5:00 pm

Inspector Certification Exam Construction – **Breakout 2**  
(Invited Guests Only)  
7:00 am – 5:00 pm