



# INSULATED CONDUCTORS COMMITTEE

Established 1947

Spring 2012 Meeting, Seattle, WA

Final Agenda

## SCHEDULE

SATURDAY, MARCH 24, 2012			
TIME	ACTIVITY	CHAIRS	ROOM
12:00 - 2:00 PM	<b>Pre-Con Meeting with Hotel</b> (Smith, Mosier, Champion, Arnold, Hiivala, Fenger, Hotel)	Smith/Champion	<b>MENZIES (6<sup>th</sup> Floor)</b>
2:00 - 5:00 PM	<b>ExCom<sup>1</sup> Meeting - Executive Session</b> (Smith, Mosier, Champion, Arnold, Hiivala, and Fenger)	Smith/Champion	<b>MENZIES (6<sup>th</sup> Floor)</b>
SUNDAY, MARCH 25, 2012			
9:00 – 11:00AM	<b>Treasurer's Meeting</b> (Mosier, Champion, Arnold)	Champion	<b>DISCOVERY A (1<sup>st</sup> Floor)</b>
12:00 - 3:45PM	<b>AdCom<sup>2</sup> Opening Meeting</b> (Smith, Mosier, Champion, Arnold, Hiivala, Fenger, Kong, Walton, Yaworski, Bader, Geene, Frentzas, Konnik, Maldonado, Hampton, Côté, Boone, Petzold, Mendelsohn, Tirinzoni, Merando, von Herrmann, Orton)	Smith/Champion	<b>BLEWETT (7<sup>th</sup> Floor)</b>
4:00 – 5:00PM	<b>Advisory Committee Meeting</b> (Mosier, Smith, Champion, Péliissou, Boone, Gear, Orton, past ICC Chairs)	Boone/Péliissou	<b>BLEWETT (7<sup>th</sup> Floor)</b>
4:00 – 4:30PM	<b>Insulated Conductors Committee ORIENTATION</b>	Mosier	<b>PORTLAND (1<sup>st</sup> Floor)</b>
12:30 – 4:00PM	<b>Registration</b> (On-Site Registration & Registration Package Pickup)	Arnold/B. Taylor	<b>PREFUNCTION ALCOVE (1<sup>st</sup> Floor)</b>
12:30 – 4:00PM	<b>Presentation Pre-load and Test</b> (All Presenters MUST Pre-load Subcommittee Presentations)	M. Joseph	<b>PREFUNCTION ALCOVE (1<sup>st</sup> Floor)</b>
12:30 – 5:00PM	<b>Table Top Displays</b>		<b>LEONESA FOYER (1<sup>ST</sup> Floor)</b>
5:00 – 7:00PM	<b>RECEPTION – All Attendees</b>		<b>PRINCESSA BALLROOM (1<sup>st</sup> Floor)</b>

<sup>1</sup> ExCom is the Executive Committee.

<sup>2</sup> AdCom is the Administrative Committee.



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## Administrative Activities

### MONDAY, MARCH 26, 2012

7:00 – 7:45AM	<b>All Chairs Meeting</b> (Subcommittee, Working Group, Discussion Group, Transnational, Education, and Standards: Chairs and Vice-Chairs)	Smith/Champion	PRINCESSA I (1 <sup>st</sup> Floor)
7:45 – 8:00AM	All Chairs Mtg. – Sub A Breakout	Kong/Walton	DISCOVERY A (1 <sup>st</sup> Floor)
	All Chairs Mtg. – Sub B Breakout	Yaworski/Bader	DISCOVERY B (1 <sup>st</sup> Floor)
	All Chairs Mtg. – Sub C Breakout	Geene/Frentzas	PORTLAND A (1 <sup>st</sup> Floor)
	All Chairs Mtg. – Sub D Breakout	Konnik/Maldonado	PORTLAND B (1 <sup>st</sup> Floor)
	All Chairs Mtg. – Sub F Breakout	Hampton/Côté	PRINCESSA I (1 <sup>st</sup> Floor)
	All Chairs Mtg. – Sub G Breakout	Boone/Petzold	PRINCESSA I (1 <sup>st</sup> Floor)

### TUESDAY, MARCH 27, 2012

7:00 – 8:00AM	<b>All Chairs Meeting – Training: New IEEE/PES Working Group &amp; Standards Approval Process &amp; Procedures</b> Subcommittees A, B, C, D, and F Officers; Working Group (and Discussion Groups Migrating to Working Group Status) Chairs and Vice-Chairs	Merando	PRINCESSA I (1 <sup>st</sup> Floor)
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### WEDNESDAY, MARCH 28, 2012

7:00 – 8:00AM	<b>All Chairs Meeting – Training: New IEEE/PES Working Group &amp; Standards Approval Process &amp; Procedures</b> Subcommittees A, B, C, D, and F Officers; Working Group (and Discussion Groups Migrating to Working Group Status) Chairs and Vice-Chairs	Merando	PRINCESSA I (1 <sup>st</sup> Floor)
12:00 – 2:00 PM	<b>AdCom Wrap-Up Meeting</b> (Smith, Mosier, Champion, Arnold, Hiivala, Fenger, Kong, Walton, Yaworski, Bader, Geene, Frentzas, Konnik, Maldonado, Hampton, Côté, Boone, Petzold, Mendelsohn, Tirinzoni, Merando, von Herrmann, Orton, Pelissou)	Smith/Champion	WASHINGTON (7 <sup>th</sup> Floor)



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## MONDAY, MARCH 26, 2012 - AM SESSIONS

TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
7:00 AM - 12:00 PM		<b>Registration</b>	Arnold	<b>PREFUNCTION ALCOVE</b>	On-Site Registration & Registration Package Pickup
7:00 AM - 8:00 AM		<b>All Chairs Meeting</b> (For Subcommittee, WG, DG, Education, Communications, and Standards Chairs & Vice-Chairs)	Smith/Champion	<b>PRINCESSA I</b>	ICC Meeting & Subcommittee, WG/DG Operational Announcements
7:30 AM - 8:15 AM		<b>Presentation Pre-load and Test</b> All Presenters MUST Pre-load	M. Joseph	<b>LEONESA BALLROOM</b>	Subcommittee presentation loadings on ICC Computer
7:30 AM - 5:30 PM		<b>Table Top Displays</b>		<b>LEONESA FOYER</b>	Product/Services Exhibitions
8:15 AM - 9:40 AM		<b>OPENING SESSION</b> All Attendees	Smith/Champion	<b>LEONESA BALLROOM</b>	Keynote Speaker (Al Rotz), ICC Meeting Announcements, IEEE & ICC Awards
10:00 AM - 12:30 PM	<b>B</b>	<b>CABLE ACCESSORIES</b>	Yaworski/Bader	<b>LEONESA BALLROOM</b>	Technical Presentations
<b>BREAKOUT WG/DG MEETINGS<sup>1</sup></b>					
10:00 AM - 11:00 AM	C05W	Guide to the Use of Gas-in-Fluid Analysis for Electric Power Cable Systems (P1406)	Purnhagen/Vacant	<b>DISCOVERY</b>	Rewrite , Update Guide
	C22D	Superconducting Cables	Lindsay/Zimmerman	<b>PORTLAND</b>	Update on HTS cable projects in USA and EU. General discussion, Q&A.
	D20D	Submergence Testing of Nuclear Facilities Cables	Depriest/Fleming	<b>PRINCESSA II</b>	Q&A with NRC
	F04W	Partial Discharge Testing in the Field (P400.3)	Levine/Walton	<b>BLEWETT</b>	Discussion on new contributions to the next revision of the PD Guide
	G10D	International Organizations	Zenger/Orton	<b>STEVENS</b>	New Cigre / ICC Taskforce – discussion of coordination. Update from HVDC Colloquium
11:15 AM - 12:30 PM	C01D	Ampacity Topics	Purnhagen/Goyette	<b>DISCOVERY</b>	Tunnels, NERC/FERC Regs, Update P835-1994
	C30D	Life Extension of Power Cables in the Field	Bernstein/Piteo	<b>PORTLAND</b>	Review modified outline of draft guide and inputs received to date
	C32D	Transmission Cables within Manholes	MacPhail/Eckroad	<b>PRINCESSA II</b>	Presentations & discussion on: Cigre activities; utility field experience; and vendor methods
	D14W	Guide for Design of Cable Systems (P422)	Merando/Bloethe	<b>BLEWETT</b>	Continue discussion of outstanding ballot comments and incorporation of revised PAR for P422.

**Please note that only those meetings listed on this schedule are sponsored by ICC.**

<sup>1</sup> Breakout Working Group (WG) and Discussion Group (DG) meetings are held concurrent with General Sessions, in different rooms as noted. Please note that groups ending with a “W” (e.g., B06W and D11W) are working groups, which means they have an active PAR and are working to complete a standard or guide. Groups ending with a “D” (e.g., B17D) are discussion groups, discussing various things related to their title. Attendees are welcome to attend all general session, discussion group, and working group meetings.



MONDAY, MARCH 26, 2012 – PM SESSIONS					
TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
12:30 PM - 2:00 PM		<b>NETWORKING LUNCH</b> <i>(Must Register for This)</i>	Orton/Champion	PRINCESSA I	Individual Professional Networking; Invitational Presentations
2:00 PM - 5:30 PM	D	<b>GENERATING STATION AND INDUSTRIAL CABLES</b>	Konnik/Maldonado	LEONESA BALLROOM	Technical Presentations
<b>BREAKOUT WG/DG MEETINGS</b>					
2:00 PM - 3:15 PM	A14D	Power Cable Standards	Ramachandran/Smalley	DISCOVERY	Updates from AEIC, ICEA. Comments / Resolutions on ICEA S-97-682 MV Power Cable Standard; one topic on Historical Standards / Tests Development of interest to all.
	B21D	Application Guide for Cable Joints (new)	McLaughlin/Campbell	PORTLAND	Develop guide to assist in the selection and proper application of MV joints
	C02W	Guide for Bonding Shielded Cable Systems	Buckweitz/Champion	PRINCESSA II	Review of negative ballots from Draft 10.
	C31D	HPFF/HPGF Pipe Type Cable Systems	Frentzas/Mueller	BLEWETT	Presentation on leak detection in slow circulation pipe type cables and discussion on pipe type systems
	F11D	Constant Voltage AC Field Testing of Cable Systems	Fenger/Vacant	STEVENS	Presentations on Experiences with AC Withstand Testing of MV, HV & EHV Cable Systems
3:30 PM - 5:30 PM	B02W	IEEE 404 Cable Joint Standard (P404)	Luzzi/Alibhay	DISCOVERY	Review comments from final ballot; update revision status
	B17D	Guide for Faulted Circuit Indicators	Angerer/Reed-Harmel	PORTLAND	Review changes from previous meeting
	C29W	Induced Voltage Work Procedures (P1727)	Kong/Argaut	PRINCESSA II	Prepare draft to go out for balloting
	C36D	Real-Time Dynamic Current Rating	Grodzinski/Chaaban	BLEWETT	Presentations and discussions about the Scope and objectives of the group
	F03W	VLF Testing in the Field – IEEE 400.2	Densley/Hayden	STEVENS	Resolve comments/negative ballots of IEEE 400.2 Draft 12 vote

### General Meeting Notes – Monday, 3/26/2012

- 1-Guest/Spouse Breakfast, 7:30 – 9:00AM: Room: **MENZIES**
- 2-Guest/Spouse Meeting Space, 9:00AM – 5:30PM: Room: **TOLMIE**
- 3-ICC Attendee Breakfast, 7:00 – 8:00AM: **LEONESA FOYER**
- 4- Breaks 9:40 – 10:00 AM, 10:45AM – 11:15AM, 3:00 – 3:30PM: **LEONESA FOYER**
- 5-See Bulletin Boards at Registration Area for Specifics



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## TUESDAY, MARCH 27, 2012 - AM SESSIONS

TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
7:00 AM - 11:00 AM		<b>Registration</b>	Arnold	<b>LOBBY ALCOVE</b>	On-Site Registration
7:00 AM - 8:00 AM		<b>All Chairs Meeting – Training</b> Subcommittees A, B, C, D, and F Officers; Working Group (and Discussion Groups Migrating to Working Group Status) Chairs and Vice-Chairs	Merando	<b>PRINCESSA I</b>	New IEEE/PES Working Group & Standards Approval Process & Procedures
7:30 AM – 8:00 AM		<b>Presentation Pre-load and Test</b> All Presenters MUST Pre-load	B. Taylor	<b>LEONESA I/II</b>	Subcommittee presentation loadings on ICC Computer
7:30 AM - 5:30 PM		<b>Table Top Displays</b>		<b>LEONESA FOYER</b>	Product/Services Exhibitions
8:00 AM – 12:00 PM	<b>C</b>	<b>CABLE SYSTEMS</b>	Geene/Frentzas	<b>LEONESA I/II</b>	Technical Presentations
<b>BREAKOUT WG/DG MEETINGS</b>					
8:00 AM - 10:00 AM	A07D	Selecting/Testing Jackets for Underground Cables	Caronia/Pélissou	<b>DISCOVERY</b>	A presentation on polypropylene jackets and a group discussion on jacket objective, jacket thicknesses and factors that impact
	A16D	Characteristics of EPR Cables	Hayes/Fleming	<b>PORTLAND</b>	Presentation on Fifty-Year History of EPR in Wire and Cable
	B10D	Selection Guide for Cable Terminations (P1637)	Taylor/Jibril	<b>PRINCESSA II</b>	review sections written by members and assemble the application guide
	F05W	Damped AC Voltage Testing (P400.4)	Gulski/Patterson	<b>BLEWETT</b>	Discuss draft proposal of P400.4 (DAC) Testing
10:15 AM - 12:00 PM	A20D	Low Voltage Cable Systems Rated up to 600V	Wen/Flenniken	<b>DISCOVERY</b>	Discuss scope of A20D and have presentation
	B08W	Standards for Copper and Aluminum Insulated Cable Connectors	Walker/Cox	<b>PORTLAND</b>	Review Guide
	D18W	IEEE Guide for Installation of Fire-Rated Circuit Integrity Cables in Petroleum and Chemical Industries (P1810)	Shoshani/Bayer	<b>PRINCESSA II</b>	Develop sections for installation in conduit and cable glands
	F10D	Diagnostic Testing for Cable Joints & Terminations	Jiang/Hayden	<b>BLEWETT</b>	Presentations of Diagnostic Testing of Cable accessories

### General Meeting Notes – Tuesday, 3/27/2012

- 1-Guest/Spouse Breakfast, 8:00 – 9:30AM, Room: **MENZIES**
- 2-Guest/Spouse Meeting Space, 9:30AM – 5:30PM, Room: **TOLMIE**
- 3-Attendee Breakfast, 7:00 – 8:00AM: **LEONESA FOYER**
- 4-ICC Attendee Breaks 9:45 – 10:15AM, 3:00 – 3:30PM: **LEONESA FOYER**
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## TUESDAY, MARCH 27, 2012 - PM SESSIONS

TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
12:15 PM - 2:00PM	<b>G</b>	<b>TRANSNATIONAL LUNCH</b> <i>(Must Register for This)</i>	Boone/Petzold	<b>PRINCESSA I</b>	International Meetings Announcements and Technical Presentations
2:00 PM - 5:30 PM	<b>F</b>	<b>FIELD TESTING AND DIAGNOSTICS</b>	Hampton/Côté	<b>LEONESA III</b>	Technical Presentations
<b>BREAKOUT WG/DG MEETINGS</b>					
2:00 PM - 3:15 PM	A19D	Covered Conductors	Campbell/Nuckles	<b>DISCOVERY</b>	Discuss topics for possible inclusion in a Standard for Covered Conductor Systems.
	B12D	Guide for Investigating and Analyzing Joint Failures (P1511.2)	Jazowski/Jasek	<b>PORTLAND</b>	Group will be discussing the next guide: 1511.2.
	C13D	Installation of Cables Using Trenchless Techniques	Williams/Goyette	<b>PRINCESSA II</b>	Presentations on recent trenchless projects; continuation of Discussion Paper
	C33D	Renewable Energies	Joy/Patel	<b>BLEWETT</b>	Renewable laws and rules at IEEE
	D19D	Standard For Testing Fire Resistive Cables For Use In Nuclear Facilities	G.Taylor/Shoshani	<b>STEVENS</b>	Review PAR; discuss acceptance criteria/test methods
3:30 PM - 5:30 PM	A10D	Conductors	Joy/Vacant	<b>DISCOVERY</b>	Transmission work on the AWV Project in Seattle; another presentation on Cable issues.
	B05W	IEEE 1300 Connection of Cables to GIS (P1300)	Frentzas/Whiteside	<b>PORTLAND</b>	Review status of revision; future direction of the group
	C11D	Submarine Cables	Parker/Orton	<b>PRINCESSA II</b>	A presentation will be made on the Atlantic Wind Connection
	C25W	Soil Thermal Resistivity	Patel/Cherukupalli	<b>BLEWETT</b>	Update current working standard
	D15W	Standard for Flame Propagation Testing of Wire & Cable - IEEE 1202	Hills/G.Taylor	<b>STEVENS</b>	Discuss current Corrigenda; IEEE 1202 re-affirmation status

### General Meeting Notes – Tuesday, 3/27/2012

- 1-Guest/Spouse Breakfast, 8:00 – 9:30AM, Room: **MENZIES**
- 2-Guest/Spouse Meeting Space, 9:30 AM – 5:30PM, Room: **TOLMIE**
- 3-Attendee Breakfast, 7:00 – 8:00AM: **LEONESA FOYER**
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WEDNESDAY, MARCH 28, 2012					
TIME	GROUP	ACTIVITY	CHAIRS	ROOM	AGENDA
7:00 AM - 8:00 AM	<b>All Chairs Meeting – Training</b> Subcommittees A, B, C, D, and F Officers; WG (and DG Migrating to WG Status) Chairs and Vice-Chairs		Merando	PRINCESSA I	New IEEE/PES Working Group & Standards Approval Process & Procedures
7:30 AM – 8:00 AM	<b>Presentation Pre-load and Test –</b> All Presenters MUST Pre-load		B. Taylor	LEONESA I/II	Subcommittee Presentation Loadings on ICC Computer
8:00 AM - 12:00 PM	A	<b>CABLE CONSTRUCTION &amp; DESIGN</b>	Kong/ Walton	LEONESA I/II	Technical Presentations
BREAKOUT WG/DG MEETINGS					
8:00AM – 10:00AM	B03D	IEEE 592 Exposed Semi-Con Test	Richardson/Kamel	DISCOVERY	Continue open discussion re: IEEE Standard 592
	B06W	Connection of Surge Arresters to Protect Insulated Shielded Cable Systems (P1299)	Jibril/Makal	PORTLAND	
	C35D	Sheath Bonding of Multi-Conductor/Parallel Circuits	Chaaban/Grodzinski	PRINCESSA II	CIGRE experience in the field with induced voltage and EMF. Solution to special cases by attendees will be discussed.
	D10W	Class 1E Cables for Nuclear Plants (IEEE 383)	Konnik/Gwal	BLEWETT	Review draft of IEEE 383 and action items from last meeting
10:15 AM - 12:00 PM	B16D	IEEE 386 Separable Connector Standard	Wall/Wentzel	DISCOVERY	Review latest draft of revision of IEEE 386
	C34D	Mitigating Manhole Explosions	Black/Côté	PORTLAND	4 talks on proactive/reactive mitigation of manhole explosions
	D03W	Guide for Selecting & Specifying Petro-Chem Cables (P1242)	Maldonado/Bow	PRINCESSA II	Revision of guide continues.
12:00 PM - 1:00 PM	<b>EDUCATIONAL LUNCH</b> <i>(Must Register for This)</i>			PRINCESSA I	Buffet Lunch for Educational Registrants
1:00 PM - 5:00 PM	<b>EDUCATIONAL PROGRAM<sup>1</sup></b>		Mendelsohn/ Tirinzone	LEONESA I/II	Accelerated Cable Aging Tests for Distribution and Transmission Cables – Part 2

## General Meeting Notes – Wednesday, 3/28/2012

- 1-Guest/Spouse Breakfast, 8:00 – 9:30AM, Room: **MENZIES**
- 2-Guest/Spouse Meeting Space, 9:30AM – 5:30PM, Room: **TOLMIE**
- 3-Attendee Breakfast, 7:00 – 8:00AM: **LEONESA FOYER**
- 4-ICC Attendee Breaks 9:45 – 10:15AM, 2:45 – 3:15PM: **LEONESA FOYER**
- 5-See Bulletin Board at Registration Area for Specifics

<sup>1</sup> 0.4 CEUs offered for this session. You must register and attend in order to receive CEUs. To receive these credits towards a Florida PE License, you MUST provide Thomas Arnold with your FL PE License number prior to the session.



Spring 2012 Meeting, Seattle, WA  
Meeting Rooms Layout (1<sup>st</sup> Floor)

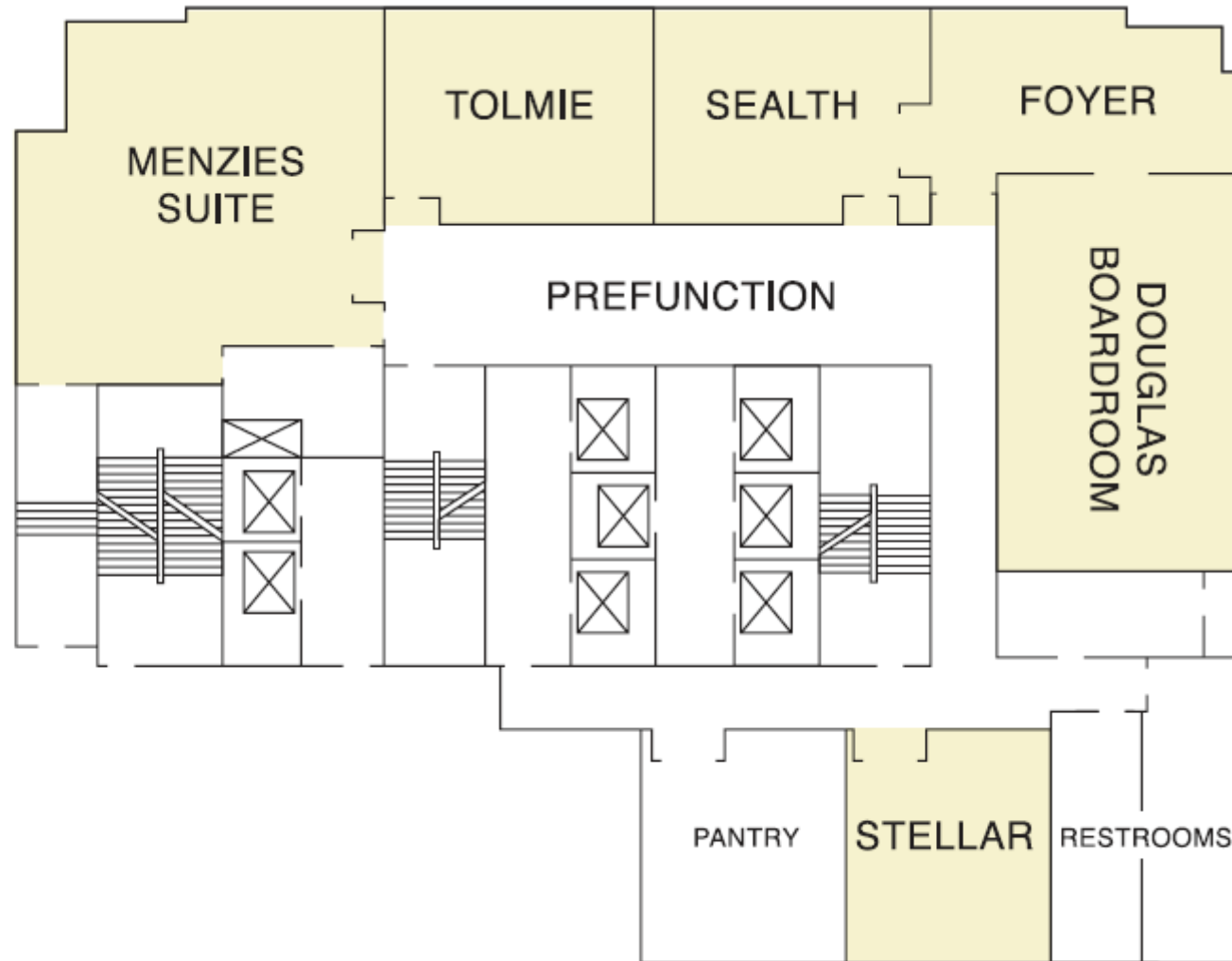






**Spring 2012 Meeting, Seattle, WA  
Meeting Rooms Layout (6<sup>th</sup> Floor)**

SIXTH  
FLOOR





**Spring 2012 Meeting, Seattle, WA  
Meeting Rooms Layout (7<sup>th</sup> Floor)**

**SEVENTH  
FLOOR**

