

IEEE/PES TRANSFORMERS COMMITTEE

www.transformerscommittee.org

Fall 2006 Meeting; October 22-26

Hosted by Thang & Tuyet Le Hochanh and Hydro-Québec IREQ

Delta Centre-Ville Hotel; Montréal, Québec CANADA

NOTES: See Page 5 for a key to the abbreviations. A vertical line in the left margin indicates a noteworthy revision since last issue.

<u>DATE/TIME</u>	<u>ACTIVITY</u>	<u>SUB-COM</u>	<u>ACTIVITY CHAIR</u>	<u>ROOM CAP/ARR/AV</u>	<u>MEETING ROOM</u>
Saturday, October 21					
7:00 am - 7:00 pm	No Meetings. No Meeting Registration. <u>Day-trip:</u> Rendez-vous in Québec City. Advance registration necessary (limited attendance). -- Bus departs Delta Hotel at 7:00 am and returns around 7:00 pm. -- Only light snacks provided on the bus (juice, water, cereal bars, fruit). Eat breakfast beforehand.				
Sunday, October 22					
7:00 am - 1:30 pm	<u>Technical Tour:</u> Institut de recherche d'Hydro-Québec (IREQ). Everyone is invited, but attendance is limited -- Advance registration is necessary (with passport information). -- Bus departs from Delta Hotel at 7:00 am and return by 1:30 pm. Includes light breakfast & lunch at IREQ. -- Contact Mr. Thang Hochanh at IREQ at 450-652-8505 or hochanh@ireq.ca for more information.				
1:00 pm - <u>5:30 pm</u>	Meeting Registration (open until 5:30 pm only)			L-shaped table	Regence Foyer
2:00 pm - 5:30 pm	Administrative SC -- Closed meeting, by invitation only	Admin.	D. Fallon	25 US (w/snack buffet)	Cartier A
2:00 pm - 5:30 pm	NEMA Transformers -- Closed meeting, by invitation only	++	C. Drexler	20 US (w/beverages)	Cartier B
6:00 pm - 8:00 pm	Welcome Reception -- All members, guests & companions are welcome			350 Recept.	Regence AB
Monday, October 23 -- Monday Breaks Sponsored by <u>Enerco Enterprises Ltd (formerly Elco Ind.)</u> ***					
7:00 am - 5:00 pm	Meeting Registration			L-shaped table	Regence Foyer
7:00 am - 6:00 pm	Internet Cafe'			20 SQ	Vitré
7:00 am - 8:00 am	Breakfast - Attendees (no companions please) - <u>Sponsored by ECI</u>			250 RT (9/tbl)	Regence C
8:00 am - 9:00 pm	Breakfast - Companions (no attendees please)			80 RT (8/tbl)	<u>Tour de Ville</u>
9:15 am - 4:00 pm	<u>Companion Tour:</u> Montréal City Tour, including Old Montréal and Botanical Gardens. Includes lunch. -- Advance registration required. The bus departs the Delta Hotel at 9:15 am and returns around 4:00 pm.				
<u>7:00 am</u> - 7:45 am	<u>Newcomers Orientation</u> Breakfast Meeting -- Newcomers & Guests are encouraged to attend. -- Get breakfast in Regence and take to Cartier A.		T. Prevost	40 CL	Cartier A (arrive early!)
7:00 am - 7:45 am	Distribution SC Coordination Meeting (closed mtg)		K. Hanus	15 CONF	Chez Antione Rest. (lobby level)
8:00 am - 9:15 am	WG 3-ph UG Distr. Transf. C57.12.24	UTNP	G. Termini	40 CL	St. Charles
8:00 am - 9:15 am	TF Arc Furnace Transformers C57.17	Power	D. Corsi	50 CL	St. Laurent
8:00 am - 9:15 am	TF Dry-Type Reactors	Dry	R. Dudley	75 CL	Cartier A
8:00 am - 9:15 am	WG Electronic Test Data Reporting PC57.12.37	Dist	T. Callsen/ R. Hollingsworth	75 CL	Cartier B
8:00 am - 9:15 am	TF Electrical Partial Discharge Measurements Guide C57.113	DiTests	E. Lemke	140 CL	Auditorium
8:00 am - 9:15 am	WG Transformer Monitoring C57.143	Power	D. Chu/A. Lux	200 CL S3	Regence AB
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Regence Foyer	

*** Contact Joe Watson (joe_watson@ieee.org) if you are interested in sponsoring coffee-breaks at a future meeting.

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Monday, October 23 (continued)					
9:30 am - 10:45 am	WG Liquid-immersed Secondary Network Transformers C57.12.40	UTNP	B. Klaponski	40 CL	St. Charles
9:30 am - 10:45 am	(TBD)			50 CL	St. Laurent
9:30 am - 10:45 am	WG Revision of C57.12.10	Power	J. Arteaga	75 CL	Cartier A
9:30 am - 10:45 am	WG Overhead Dist. Trans. C57.12.20 (with discussion on revision of Sect. 9)	Dist	A. Wilks/ T. Cooper	75 CL	Cartier B
9:30 am - 10:45 am	WG PCS Rev. to Test Code C57.12.90	PCS	M. Perkins	140 CL	Auditorium
9:30 am - 10:45 am	WG Acoustic PD Measurements	DiTests	J. Harley	200 CL S3	Regence AB
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Regence Foyer	
11:00 am - 12:15 pm	WG Dry-Type Gen. Require. C57.12.01	Dry	J. Sullivan	40 CL	St. Charles
11:00 am - 12:15 pm	WG Thermal Evaluation of Power and Distribution Trans. C57.100	IL	R. Wicks	50 CL	St. Laurent
11:00 am - 12:15 pm	WG Shunt Reactors C57.21	PCS	R. Dudley	75 CL	Cartier A
11:00 am - 12:15 pm	WG 1-ph Padmount Distribution Transformers C57.12.25	Dist	A. Ghafourian/ I. Ares	75 CL	Cartier B
11:00 am - 12:15 pm	WG Revision to Low Frequency Tests	DiTests	B. Poulin	140 CL	Auditorium
11:00 am - 12:15 pm	WG Standard for Control Cabinets	Power	J. Watson	200 CL S3	Regence AB
12:15 pm - 1:30 pm	<u>Lunch Meeting:</u> Stds Develop. Process Review (with Special Presentation on RevCom process) -- All activity chairs are encouraged to attend. -- Advance reservation required (\$20 for box lunch). -- No paper tickets. Admission verified at the door.		B. Chiu (Stds)	80 RT (8/tbl)	Regence C
1:45 pm - 3:00 pm	WG Thermal Evaluation C57.12.56 and C57.12.60	Dry	R. Provost/ R. Wicks	40 CL	St. Charles
1:45 pm - 3:00 pm	WG Frequency Response Analysis (FRA) Guide PC57.149	PCS	C. Sweetser	50 CL	St. Laurent
1:45 pm - 3:00 pm	SC HVDC Converter Transformers and Smoothing Reactors	HVDC	R. Dudley	75 CL	Cartier A
1:45 pm - 3:00 pm	WG 3-ph Padmount Distribution Transformers C57.12.34	Dist	R. Stahara/ S. Shull	75 CL	Cartier B
1:45 pm - 3:00 pm	WG PCS Revisions to C57.12.00	PCS	S. Snyder	140 CL	Auditorium
1:45 pm - 3:00 pm	WG LTC Performance C57.131	Power	W. Henning	200 CL S3	Regence AB
3:00 pm - 3:15 pm	<i>Break (beverages and treats)</i>			Regence Foyer	
3:15 pm - 4:30 pm	WG 1-ph Sub. Distr. Transf. C57.12.23	UTNP	CANCELED. Will meet in the spring.		
3:15 pm - 4:30 pm	NEMA ST-1/ST-20 Revision	++	G. Morehart	40 CL	St. Charles
3:15 pm - 4:30 pm	Joint WG Optical ITs C57.13/PSIM P1601	IT/PSIM	Rahmatian/ Gilleland	50 CL	St. Laurent
3:15 pm - 4:30 pm	WG Dry-Type Test Code C57.12.91	Dry	D. Foster	75 CL	Cartier A
3:15 pm - 4:30 pm	WG Revision of Impulse Guides C57.98 and C57.138	DiTests	A. Molden	75 CL	Cartier B
3:15 pm - 4:30 pm	TF Core Overexcitation Requirements	PCS	C. Stiegemeier	140 CL	Auditorium
3:15 pm - 4:30 pm	WG Transf. Life Extension PC57.140	Power	CANCELED. Guide submitted to IEEE RevCom.		
4:30 pm - 4:45 pm	<i>Break (beverages only)</i>			Regence Foyer	
4:45 pm - 6:00 pm	<u>Presentation #1:</u> "Water-in-Paper Activity -- a New Concept for Moisture Assessment in Transformers", by Roizman, Davydov and Dukarm. Sponsored by SC Insulation Life. **			250 CL S3 (add 50 TH seats in rear)	Regence AB
7:00 pm - 10:00 pm	<u>Technical Tour:</u> Bell Helicopter Manufacturing Factory -- All attendees and companions invited. Bus leaves Delta Hotel at 7:00 pm and return around 10:00 pm. -- Advance registration necessary. Dinner not included (eat beforehand). Small fee for bus transportation.				

** Contact N. Kent Haggerty (n.kent.haggerty@ieee.org) if you are interested in making a technical presentation at a future meeting.

<u>DATE/TIME</u>	<u>ACTIVITY</u>	<u>SUB-COM</u>	<u>ACTIVITY CHAIR</u>	<u>ROOM CAP/ARR/AV</u>	<u>MEETING ROOM</u>
Tuesday, October 24 -- Tuesday Breaks Sponsored by Siemens ***					
7:00 am - 12:00 pm	Meeting Registration (until noon only)			L-shaped table	Regence Foyer
7:00 am - 6:00 pm	Internet Cafe'			20 SQ	Vitré
7:00 am - 8:00 am	Breakfast - Attendees (no companions please)			250 RT (9/tbl)	Regence C
8:00 am - 9:00 pm	Breakfast - Companions (no attendees please)			80 RT (8/tbl)	<u>Tour de Ville</u>
9:15 am - 4:00 pm	<u>Companion Tour</u> : Montérégie Countryside. Includes lunch. -- Advance registration required. The bus departs the Delta Hotel at 9:15 am and returns around 4:00 pm.				
8:00 am - 9:15 am	WG Test Requirements for HV Instrument Transformers C57.13.5	IT	R. McTaggart/ P. Riffon	40 CL	St. Charles
8:00 am - 9:15 am	WG Temp. Rise Test Procedures in Section 11 of C57.12.90	IL	P. Powell	50 CL	St. Laurent
8:00 am - 9:15 am	WG Switching Transients Induced by Transformer/Breaker Interaction	PCS	R. Degeneff	75 CL	Cartier A
8:00 am - 9:15 am	WG Enclosure Integrity C57.12.28, C57.12.29, C57.12.31, C57.12.32	Dist	R. Olen/ D. Mulkey	75 CL	Cartier B
8:00 am - 9:15 am	WG Natural Ester-based Fluids C57.147	IF	P. McShane	140 CL	Auditorium
8:00 am - 9:15 am	TF Transformers for Wind Farms	TBD	J. Watson	200 CL S3	Regence AB
9:15 am - 9:30 am	<i>Break (beverages only)</i>			Regence Foyer	
9:30 am - 10:45 am	Joint TF PSIM Low PF Measurement	PCS/ PSIM	E. So	40 CL	St. Charles
9:30 am - 10:45 am	WG Neutral Ground. Devices PC57.32	PCS	S. Schappell	50 CL	St. Laurent
9:30 am - 10:45 am	TF Functional Life Tests, De-energized Tap Changers (DETC)	Power	P. Hopkinson	75 CL	Cartier A
9:30 am - 10:45 am	WG Revision to Loading Guide C57.91	IL	T. Raymond	75 CL	Cartier B
9:30 am - 10:45 am	WG Revision of Oil Acceptance & Maintenance Guide C57.106	IF	J. Thompson/ T. Oommen	140 CL	Auditorium
9:30 am - 10:45 am	WG Rev. Field Test Guide IEEE 62	Stds	L. Wagenaar	200 CL S3	Regence AB
10:45 am - 11:00 am	<i>Break (beverages only)</i>			Regence Foyer	
11:00 am - 12:15 pm	WG Loss Tolerance and Measurement	PCS	E. teNyenhuis	40 CL	St. Charles
11:00 am - 12:15 pm	WG Phase-shift Trans. Guide C57.135	Power	J. McIver	50 CL	St. Laurent
11:00 am - 12:15 pm	TF Power Transformer Tank Rupture & Mitigation	Power	P. Zhao	75 CL	Cartier A
11:00 am - 12:15 pm	WG Dist. Substation Transf. C57.12.36	Dist	Aho/Rossetti	75 CL	Cartier B
11:00 am - 12:15 pm	WG Guide for DGA in LTCs C57.139	IF	F. Jakob	140 CL	Auditorium
11:00 am - 12:15 pm	Short Circuit Tests Guide C57.133 and revision to C57.12.90, Section 12 (new)	PCS	M. Fortin	200 CL S3	Regence AB
12:15 pm - 1:30 pm	<u>Speaker Luncheon</u> . "J-Armand Bombardier: The Man, The Genius, The Legend". Advance registration is necessary. -- Paper tickets will not be provided. Admission verified at the door.			150 RT (8) P with elevated table for 6	Regence C
1:45 pm - 3:00 pm	WG Rev. Transformers for Non-sinusoidal Loads C57.110	PCS	R. Marek	40 CL	St. Charles
1:45 pm - 3:00 pm	TF Revision to IEEE 638	Power	C. Swinderman	50 CL	St. Laurent
1:45 pm - 3:00 pm	WG Dielectric Test Tables, Liquid-filled	DiTests	P. Hopkinson	75 CL	Cartier A
1:45 pm - 3:00 pm	WG Voltage Step Regulators C57.15	Dist	C. Colopy/ G. Kennedy	75 CL	Cartier B
1:45 pm - 3:00 pm	WG Revision to Gas Guide C57.104	IF	R. Ladroga	140 CL	Auditorium
1:45 pm - 3:00 pm	WG Revision Installation Guide C57.93	Power	M. Lau	200 CL S3	Regence AB
3:00 pm - 3:15 pm	<i>Break (beverages and treats)</i>			Regence Foyer	

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Tuesday, October 24 (continued)					
3:15 pm - 4:30 pm	WG Sound Level Measurement Guide	ASV	J. Puri	40 CL	St. Charles
3:15 pm - 4:30 pm	WG Semiconductor Rectifier Transformers C57.18.10	PCS	S. Kennedy	50 CL	St. Laurent
3:15 pm - 4:30 pm	TF Bushing Applicat. Guide C57.19.100	Bush	T. Spitzer	75 CL	Cartier A
3:15 pm - 4:30 pm	WG for Bar Coding Distribution Transformers C57.12.35	Dist	L. Matthews/ G. Termini	75 CL	Cartier B
3:15 pm - 4:30 pm	WG Revision to Impulse Tests	DiTests	P. Riffon/ P. Heinzig	140 CL	Auditorium
3:15 pm - 4:30 pm	WG Transportation Issues Guide	Power	G. Anderson	200 CL S3	Regence AB
4:30 pm - 4:45 pm	Break (beverages only)			Regence Foyer	
4:45 pm - 6:00 pm	Presentation #2: "DGA Methods, Trending and Assessment", by Duval, Lewand and Lamontagne. Sponsored by SC Insulated Fluids. **			250 CL S3 (add 50 TH seats in rear)	Regence AB
6:30 pm - 11:00 pm	Technical Tour: ABB Large Power Transformer Manufacturing Facility, Varennes -- By invitation only. Bus departs the Delta Hotel at 6:30 pm and returns before 11:00 pm. Dinner included. -- Contact Ms. Chantal Gadoua at 450-652-2901 x-1450 or chantal.a.gadoua@ca.abb.com for more info.				
Wednesday, October 25 -- Wednesday Breaks Sponsored by Opsens ***					
No Meeting Registration, No Companion Tours					
7:00 am - 6:00 pm	Internet Cafe'			20 SQ	Vitré
7:00 am - 8:00 am	Breakfast - Attendees (no companions please)			250 RT (9/tbl)	Regence C
8:00 am - 9:30 pm	Breakfast - Companions (no attendees please)			80 RT (8/tbl)	Tour de Ville
7:00 am - 7:45 am	SC Meetings Planning Get breakfast in Regence C and take to Cartier A.	Mtgs	G. Anderson	40 CL FC	Cartier A (arrive early!)
8:00 am - 9:15 am	EL&P Delegation (users only meeting)	++	K. Hanus	75 CL	Cartier A
8:00 am - 9:15 am	SC Instrument Transformer	IT	J. Smith	75 CL	Cartier B
8:00 am - 9:15 am	SC Audible Sound & Vibration	ASV	J. Puri	140 CL	Auditorium
8:00 am - 9:15 am	SC Insulation Life	IL	D. Platts	200 CL S3	Regence AB
9:15 am - 9:30 am	Break (beverages only)			Regence Foyer	
9:30 am - 10:45 am	TBD				TBD
9:30 am - 10:45 am	SC UG Transf. & Network Protectors	UTNP	C. Niemann	140 CL	Auditorium
9:30 am - 10:45 am	SC Dielectric Tests	DiTests	L. Wagenaar	200 CL S3	Regence AB
10:45 am - 11:00 am	Break (beverages only)			Regence Foyer	
11:00 am - 12:15 pm	TBD				TBD
11:00 am - 12:15 pm	SC Insulating Fluids	IF	F. Gryszkiewicz R. Ladroga	140 CL	Auditorium
11:00 am - 12:15 pm	SC Performance Characteristics	PCS	R. Girgis	200 CL S3	Regence AB
12:15 pm - 1:30 pm	Lunch (on your own)				
1:30 pm - 2:45 pm	IEC TC-14 Technical Advisory Group (all interested parties welcome)	++	P. Hopkinson	75 CL	Cartier A
1:30 pm - 2:45 pm	TBD			75 CL	Cartier B
1:30 pm - 2:45 pm	SC Dry Type	Dry	C. Johnson	140 CL	Auditorium
1:30 pm - 2:45 pm	SC Power Transformers	Power	T. Lundquist	200 CL S3	Regence AB
2:45 pm - 3:00 pm	Break (beverages only)			Regence Foyer	

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KEY

> -- activity continued into another session / from another session
 ++ -- not a Transformers Committee activity TBD = to be determined
 FC = flip chart; S1 = sound (see note)
 S2 = stand mic in front only; S3 = stand mic in front & 1 stand mic at mid-room

CL -- classroom seating (w/head table for 2-3)
 TH -- theater seating (with head table for 2-3)
 RT -- multiple roundtable (8-9/table)
 US -- one hollow square or U-shape

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Wednesday, October 25 (continued)					
3:00 pm - 4:15 pm	TBD			75 CL	Cartier A
3:00 pm - 4:15 pm	TF IEEE-IEC Cross Reference	Stds	S. Beckman	75 CL	Cartier B
3:00 pm - 4:15 pm	SC Distribution Transformers	Dist	K. Hanus	140 CL	Auditorium
3:00 pm - 4:15 pm	SC Bushings	Bush	F. Elliott	200 CL S3	Regence AB
4:15 pm - 4:30 pm	<i>Break (beverages only)</i>			Regence Foyer	
4:30 pm - 5:30 pm	SC Transformer Standards	Stds	B. Chiu	200 CL S3	Regence AB
4:00 pm - 11:00 pm & 6:00 pm - 11:00 pm <u>Note departure times!</u>	<u>Dinner Social:</u> Montréal Biodôme and Hélène de Champlain Restaurant. Advance registration is necessary. -- Buses begin boarding at Delta Hotel at 4:00 pm for the Biodôme (last bus for Biodôme leaves at 4:30 pm). -- Additional buses depart from hotel at 6:00 pm directly to restaurant. All buses return before 11:00 pm. -- Paper tickets will not be provided. Admission will be verified with a registration list as you board the bus.				

Thursday, October 26

No Meeting Registration, No Companion Tours, No Internet Cafe					
7:00 am - 8:00 am	Breakfast - Attendees (no companions please)			250 RT	Cartier AB
8:00 am - 9:30 am	Breakfast - Companions (no attendees please)			80 RT	<u>Tour de Ville</u>
8:00 am - 9:45 am >	General Session, Transformers Committee -- All attendees are encouraged to attend. -- See separate document for meeting agenda.		D. Fallon	250 CL S1 3 per 8' and <u>elevat.</u> table for 4	Regence ABC
9:45 am - 10:00 am	<i>Break (beverages only)</i>			Regence Foyer	
> 10:00 am - 11:30 pm	General Session, Transformers Committee		D. Fallon	250 CL S1	Regence ABC
12:00 pm - 12:00 am	<u>Technical Tour:</u> EHV-Weidmann Insulation Factory, St. Johnsbury, Vermont. Everyone is invited. -- Includes a light lunch on the bus and dinner in St. Johnsbury. -- The bus will depart the Delta Hotel at 12:00 pm and return around 12:00 am (midnight). -- Contact Mr. Tom Prevost at 802-751-3458 or tprevost@ehv-weidmann.com for more information.				
12:30 pm - 5:00 pm	<u>Technical Tour:</u> AREVA High Voltage Facility in La Prairie. By invitation only. -- Includes lunch at the factory. The bus will depart the Delta Hotel at 12:30 pm and return around 5:00 pm. -- Contact Mr. Alain Tenthorey at 514-942-4742 or alain.tenthorey@areva-td.com for more information.				
1:00 pm - 5:00 pm >	EPRI Power Transformer Project Review -- Closed meeting, EPRI members only -- Continued into Friday morning	++	L. van der Zel	40 CL	St. Laurent

Friday, October 27

No Transformer Committee Meetings, No Internet Cafe'					
7:30 am - 8:00 am	Breakfast - EPRI members only			30 RT	<u>Cartier A Foyer</u>
> 8:00 am - 12:00 pm	EPRI Power Transformer Project Review -- Closed meeting, EPRI members only -- Continued from Thursday afternoon	++	L. van der Zel	40 CL	<u>Cartier A</u>

FUTURE COMMITTEE MEETINGS

SPRING 2007 - March 11-15; Dallas, Texas. Hosted by Ken Hanus and TXU Energy.

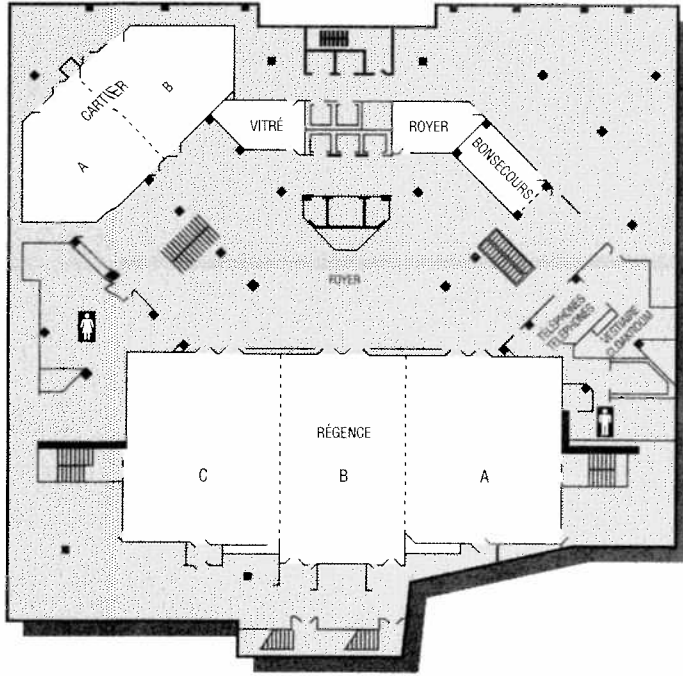
FALL 2007 - October 14-18; Minneapolis, Minnesota. Hosted by Susan McNelly and Xcel Energy

Emplacement des salles de réception et de réunion

Location of reception and meeting rooms

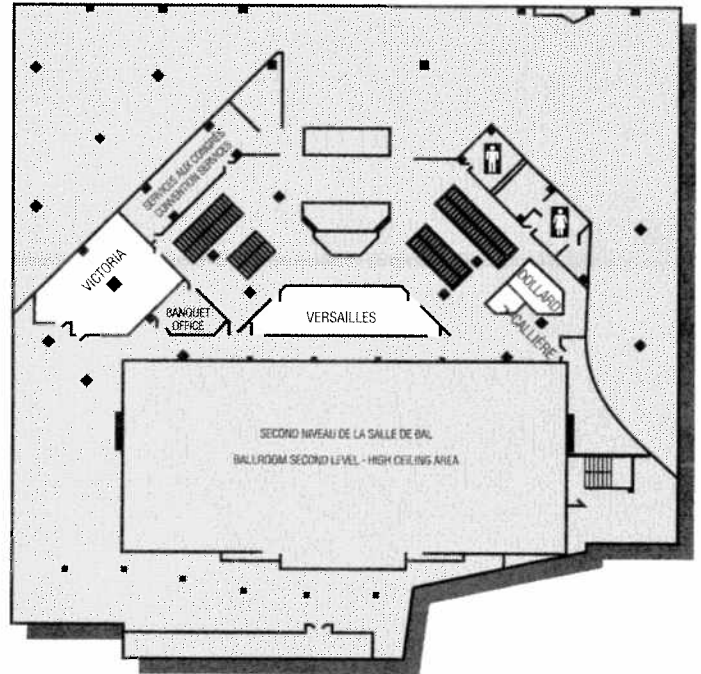
ÉTAGE C / C FLOOR

Deuxième sous-sol / Second floor below lobby



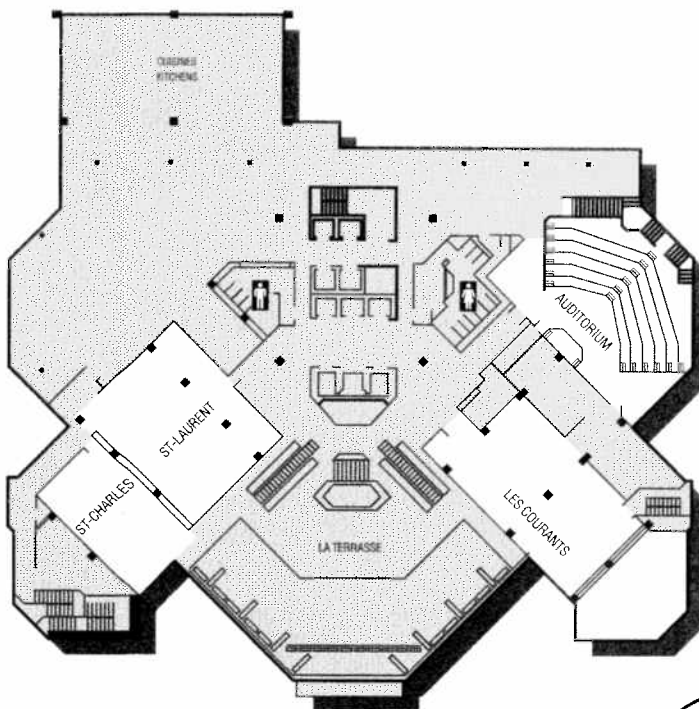
ÉTAGE CI / CI FLOOR

Premier sous-sol / First floor below lobby

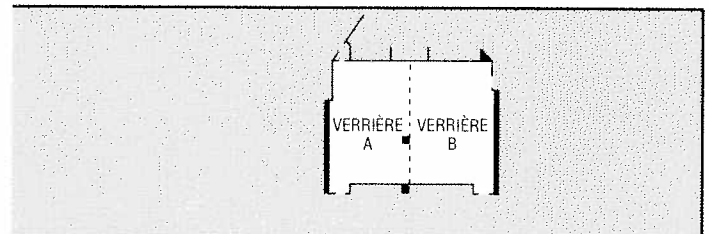


MEZZANINE

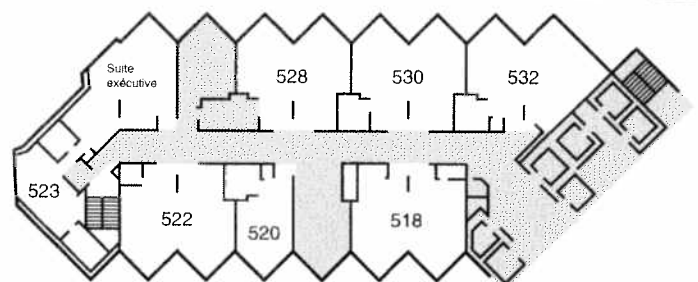
Étage au-dessus du rez-de chaussée / First floor above lobby



REZ-DE CHAUSSEE / LOBBY LEVEL



LE CINQUIÈME / FIFTH FLOOR




DELTA
CENTRE-VILLE