



Quebec Engineering Competition

**General Competition Rules
Revised on 11-17-2024**

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1. Eligibility

1.1 Qualification

1.1.1 In order to represent their university, participants, teams and projects must qualify during a competition or selection process deemed appropriate by the QCESO member association representing this university.

1.1.2 The eligibility of all participants, teams and projects is determined by the Vice-President of Competitions according to the guidelines in this document.

1.2 Participants

1.2.1 All participants must be registered in an accredited Quebec engineering license program (bachelor's degree) and be represented by a university's student society that is a member of the QCESO at the time of their registration and participation in the Quebec Engineering Competition, except in the following cases:

1.2.1.a In the Graduate Research Project competition, the student must be registered in the 2nd or 3rd cycle in an accredited Quebec engineering program whose university has a QCESO member association at the time of registration for the Quebec Engineering Competition.

1.2.2 A participant in the Quebec engineering competition cannot be registered for more than one competition during the event. The Puzzle Hero competition is the only exception; all participants registered for a competition are invited to participate in Puzzle Hero.

1.3 Project

1.3.1 Only original projects created by the participants can be presented. An original project is a project that has not been presented in AEC (Atlantic Engineering Competition), QEC (Quebec Engineering Competition), OEC (Ontario Engineering Competition) or WECC (Western Canada Engineering Competition) in previous years and which does not have a common and obvious approach, solution or application with a previous project.

1.3.2 Work carried out in a company will be admissible provided that a letter of authorization from the employer approving the presentation of the work is obtained. This letter must not be postmarked more than thirty (30) days before the start of the competition.

1.4 Substitutions

1.4.1 If a participant is unable to attend the competition for medical, personal (death, etc.) or other reasons considered legitimate by the vice-president of competitions, a substitute participant may be designated.

1.4.2 All substitute participants must be from the same university as the original team.

1.4.3 All substitute participants must be eligible as a competitor according to sections 1.1 and 1.2.

1.4.4 If an entire team cannot attend the competition for medical, personal (death, etc.) or other reasons considered legitimate by the vice-president of competitions, the QCESO member society of this team may nominate a new team for the competition.

2. Arbitration

2.1 Structure of judges

2.1.1 Judges will be selected by the organizers based on their experience and training.

2.1.2 For each competition, there will be at least three (3) judges, one of whom will be appointed Head Judge for this event by the vice-president of competitions.

2.1.3 The head judge will represent the judges and will participate in a selection committee to choose the winner(s) of special prizes (when applicable)

2.2 Prix

2.2.1 Prizes in each competition will be awarded by the judges. These prizes will be based on the evaluation criteria of the different competitions.

2.2.2 The evaluation criteria for each competition are intended to evaluate the skills and knowledge of the participants.

2.2.3 Before the start of the competition, the rules of the events will be explained to the judges so that they understand the criteria and techniques.

2.2.4 Judges must complete evaluations that are fair, equitable and consistent for all participants. Evaluation grids will be provided to all judges.

2.2.5 In the event of a tie, the judges will deliberate to decide between the tied teams. After deliberating, if the judges are unable to reach a consensus, the winner will be chosen by a majority vote. In the event of a tie, the head judge has a casting vote.

2.2.6 All decisions of the judges are final.

2.3 Special prizes

2.3.1 Special prizes are awarded by the judges according to the criteria relating to each category.

2.3.2 The special prize categories and the criteria for each category are determined by the organizing committee and by the partners overseeing the special prize.

2.3.3 The list of special prizes must be announced no later than 30 days before the opening of the QEC.

2.4 Language

2.4.1 Any presentation, presentation material, document or work submitted may be made in French or English , but must remain consistent throughout a team's performance in their respective competition.

3. Logistics

3.1 Participant

3.1.1 All participants have the duty to read the general regulations of the Quebec Engineering Competition that are currently in place.

3.2 Competition directors

3.2.1 The vice-president of competitions must appoint a director for each competition who will be responsible for the preparations and smooth sailing of the competition.

3.3 Time

3.3.1 All competitions have specific time constraints which are described in the competition's descriptions.

3.3.2 The participants will be notified of the time remaining during the presentation and the question period.

3.3.3 In the case where a participant encounters technical difficulties during their presentation (overhead projector bulb burnt out, power outage, etc.), the competition director will allow additional time to resolve the problem, unless it is determined that the problem stems from a lack of preparation on the part of the participant.

3.4 Beginning time of the event

3.4.1 The official beginning time of the Quebec engineering competition is 6:00 p.m., the first day of the event. All delivery time deadlines for the committee or participants refer to this moment.

3.5 Equipment and facilities

3.5.1 In the circumstances where the participants must provide their own equipment, all competitors will be informed at least fourteen days (336 hours) before the competition.

3.5.2 In the event that a team does not have this equipment, the committee will provide them with this equipment provided that the delegation requests it at least seven days (168 hours) before the event is held.

3.6 Bilingualism

3.6.1 All written communications will be provided to delegations at the same time in French and English. Any additional element that is essential to the competition must be explained in both French and English. The director of each competition must also ensure the understanding of each team before the start of the competition. The written translation must be professional or of equivalent quality.

3.6.2 In the event of a discrepancy in interpretation between the French and English versions, the French version prevails.

3.6.3 For the competitions involving a presentation or a document submission, each language (French and English) must be understood by at least 50% of the judges at a professional level.

4. Decision

4.1 Dispute

4.1.1 In case of a discrepancy between this document and the competition handbooks, this document shall prevail.

4.1.2 Decisions made by the Vice-President of Competitions and the Competition director may be contested.

4.1.3 It is up to the director(s) of each competition to issue penalties based on the recommendation of the judges.

4.1.4 The contested decision shall be brought before the Appeals Committee for re-evaluation.

4.1.5 The appeals committee consists of the president of the organizing committee, the vice-president of competitions, the competition director, and a representative appointed by the president of the CRÉIQ to represent the Confederation. If this does not lead to an odd number of people, the vice-president of competitions will act as a non-voting member.

4.1.6 The decision of the appeals committee is final and not subject to further appeal.

4.1.7 Any dispute decision must be made in order to comply with the general regulations of the Quebec engineering competition currently in place.

4.1.8 Penalties issued must be communicated to the heads of the concerned delegations as soon as they are made official. The contestation must be submitted to the competition director(s) on the official channel designated by the organizing committee. Delegations then have 24 hours to contest the penalties.

4.1.9 Upon reception of the contestation, the appeals committee must meet to render a decision within the following timeframes:

4.1.9.i The contestation is received during the event: The decision must be made before the awards ceremony at the closing banquet.

4.1.9.ii The contestation is received after the event: The decision must be made within 72 hours.

4.1.10 Notwithstanding section 4.1.9, all contestations communicated within (1) hour of the beginning of the closing banquet may be treated as received after the event.

4.1.11 Notwithstanding sections 4.1.9 and 4.1.10, all decisions made by the appeals committee must be rendered at least 48 hours before the deadline for participant registration for the Canadian Engineering Competition.

5. Competitions

5.1 Consulting

5.1.1 In this competition, participants must develop, in a limited time, a solution to a problem presented to them. The problem may be about engineering or about the role it plays in society. Participants will have to call on the technical knowledge related to engineering or on the understanding of the impact of engineering on the environment, culture, economy and society that they will have acquired during their training. The communication skills of the participants will also be evaluated.

5.1.2 Registration criteria

5.1.2.a The team consists of a maximum of four (4) eligible participants.

5.1.3 Pre-competition

5.1.3.a Seven days (168 hours) before the competition, each competitor will receive an email informing them of the main themes of the competition.

5.1.3.b This information will also be published on the official website.

5.1.3.c It is the competitors' responsibility to ensure that they have received the information.

5.1.4 Design period

5.1.4.a The time allocated to designing the solution varies from four (4) to eight (8) hours (depending on the choice of the organizers).

5.1.4.b A presentation of the problem first takes place in front of all participants. They then have a time period to ask their questions about the problem.

5.1.4.c Participants must design a solution to the problem, prepare a presentation which they will then present, and write a report in the language of their choice, French or English.

5.1.4.e Participants are allowed to ask questions to the competition director during the design period; the questions and answers will be made available to all teams and judges.

5.1.4.f All team members must be present in person at the competition. Remote work is prohibited.

5.1.4.g The organizing committee is responsible for translating, if necessary, the reports so that they are understandable by all judges of the competition.

5.1.4.h Participants are authorized to use the following equipment:

- Preliminary research carried out by team members before the competition.
- Any electronic material stored on CDs, USB sticks, disks or other storage devices.
- Manuals, course notes or other reference documents.
- Each member of the team has the right to use a computer.

5.1.4.i Since the use of the Internet and other external resources is permitted in this competition, all information used by participants must be rigorously referenced. Participants are not authorized to present work carried out by a person who is not a member of their team. If any evidence indicates that the participants submitted plagiarized work, the entire team will be eliminated from the competition and the institutions in which the participants study will be notified. However, it is expected that participants act in good faith and in a good spirit of competition.

5.1.5 Solution overview

5.1.5.a The time allowed for the presentation varies from fifteen (15) to twenty (20) minutes (depending on the organizers' choice), followed by a maximum of ten (10) minutes of questions from the judges.

5.1.5.b The teams will have to explain their solution to the judges.

5.1.5.c The order of presentations will be determined at random.

5.1.5.d The order of presentations will be announced at least half an hour before the start of the presentations.

5.1.5.e One member per team must be present at the time of this announcement.

5.1.5.f Teams are prohibited from changing position in the order of presentations.

5.1.5.g After the presentations, the three teams having accumulated the most points, according to the evaluation matrix, could be called in for a 15-minute question period to decide the winners.

5.1.6 Material provided by the organizing team

5.1.6.a The following equipment will be made available to competitors during the solution development phase:

- A private design room equipped with at least one table and one chair per participant
- Wireless Internet access

5.1.6.b During the presentation period, the following equipment will be made available to the teams:

- A digital projector,
- A computer containing the team presentation file.

5.1.7 Material to be brought by participating teams

- The results of the research carried out by the team members before the competition.
- Books, course notes or any other reference document.
- Laptops
- A storage device that the team can keep after the design phase in order to have a copy of their presentation; It is the responsibility of the competitors to ensure with the organizers that the format of the electronic data is compatible with the computers available.

5.1.8 Evaluation matrix

Evaluation criteria	Points
Solution	/ 60
Presentation	/ 25
Required documents	/15
Penalties	
Plagiarism	Elimination
Insufficient citation	-50
Documents not received on time	-50
Absent team member	-25
Failure to comply with the specific requirements of the submitted documents	-10
Entry into the presentation room before the permitted time (after the first offense)	-10
Total	100

5.2 Scientific communication

5.2.1 In this competition, participants must describe the operation of a complex technical device or process in clear terms that the general public can understand. Presentations will be judged on the quality of research, the ability to explain concepts, the presentation, the audience's interest and the use of audiovisual equipment.

5.2.2 Registration criteria

5.2.2.a The team consists of a maximum of two (2) eligible participants.

5.2.3 Eligible topics

5.2.3.a The chosen topic must be technical in nature.

5.2.3.b The presentation must consider the social, environmental, political and economic impacts of the topic.

5.2.4 Pre-competition

5.2.4.a The team must submit a preliminary version of their presentation project at the time of registration.

- This draft presentation will be reviewed by the competition director to establish eligibility.
- The draft presentation must contain a description of the presentation topic not exceeding 200 word.

5.2.4.b The team must submit a summary of a maximum of 200 words of their project no later than 14 days (336 hours) before the competition. This summary will be evaluated.

5.2.4.c The visual presentation file (PowerPoint or other) must be sent to the competition director 3 days (72 hours) before the start of the event. It is the responsibility of the participants to ensure that the format of the presentation is compatible with the available computer.

5.2.4.d A presentation of the competition first takes place in front of all participants and the judges. They then have a time period to ask their questions about the competition.

5.2.5 Presentations

5.2.5.a All teams must complete a thirty (30) minute presentation followed by a maximum of fifteen (15) minutes of questions from the judges. The total time for the presentation and the question period cannot exceed forty-five (45) minutes. If the presentation exceeds the allotted time, the question period will be reduced by the amount of time the presentation exceeded. The presentation will be stopped after thirty-five (35) minutes.

5.2.5.b The order of presentations will be determined at random.

5.2.5.c The order of presentations will be announced at least half an hour before the start of the presentations.

5.2.5.d One member per team must be present at the time of this announcement.

5.2.5.e Teams are prohibited from changing position in the order of presentations.

5.2.6 Material provided by the organization

- A digital projector
- A computer

5.2.7 Material to be brought by participating teams

5.2.7.a Any materials the team will need for the presentation, including photos or diagrams, as well as models or prototypes.

5.2.8 Evaluation matrix

Evaluation criteria	Points
Introduction to the subject	/20
Clear presentation of the subject and the presentation	15
Rationale for topic relevance	5
Critical analysis	/30
Content accuracy	10
Clarity and simplification of complex information / scientific popularization	10
Analysis of external factors (environment, social, economic, etc.)	10
Presentation	/40
Visual aids; use and relevance	15
Voice, articulation communication flow and respect for time	10
Eloquence, charisma and interest generated by the presenters	10
Appropriate language level	5
Written summary	/10
Motivation for the choice of presentation topic and introduction	4
Content quality	6
Penalties	
Plagiarism	Elimination
Insufficient citation	-50
Documents not received on time	-10 points/day
Absent team member	-25
Failure to comply with the specific requirements of the submitted documents	-10
Entry into the presentation room before the permitted time (after the first offense)	-10
Number of words exceeding the limit in the abstract. Microsoft Word's built-in counter will be used.	1 point/10 words

Total	100
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5.3 Innovative design

5.3.1 In this competition, participants design a marketable and sellable product, service or process that is not currently available. Projects will be evaluated based on originality, market analysis, economic and technical feasibility, profitability and presentation.

5.3.2 Registration criteria

5.3.2.a The team consists of a maximum of six (6) eligible participants.

5.3.2.b At least two (2) participants must be enrolled in a bachelor's degree at the time of registration. The rest of the team may have received their engineering diploma from a Quebec study program within six months before the start of the competition.

5.3.3 Pre-competition

5.3.3.a The team must submit its poster at least ten days (240 hours) before the competition.

*It is possible to contact the competition director before the mentioned date to obtain their opinion on the eligibility of the project.

5.3.3.b The team must prepare a booth where the poster as well as the prototype, if applicable, will be presented for presentation to the general public.

5.3.3.c The team has one hour to set up the kiosk during the first day of presentation.

5.3.3.d If the team requires a table larger than 0.75mx 1.5m, it must notify the competition director no later than 14 days (336 hours) before the start of the competition.

5.3.4 Exhibition period

5.3.4.a The exhibition or kiosk will be set up for the duration of the competition (according to the schedule established by the organizing committee).

5.3.4.b At least one member of the team must be present during public opening hour.

5.3.5 Presentation

5.3.5.a The time allowed for the presentation varies from fifteen (15) to twenty (20) minutes (depending on the organizers' choice), followed by a maximum of ten (10) minutes of questions from the judges.

5.3.5.b The presentation should include, but not be limited to, the following points: marketing, effectiveness, technical feasibility, manufacturing, economics and applications beyond the intent of the original design.

5.3.5.c The order of presentations will be determined at random.

5.3.5.d The order of presentations will be announced at least thirty (30) minutes before the start of the presentations.

5.3.5.e One member per team must be present at the time of this announcement.

5.3.5.f Teams are prohibited from changing position in the order of presentations, unless otherwise indicated by the competition director.

5.3.6 Material provided by the organization

- A table measuring 0.75m x 1.5m (30 in x 60 in).
- A single supply of 120V electrical energy for each team.

5.3.7 If the team wishes any other material to be provided by the organization, it can make a request to the competition director up to 14 days (336 hours) before the competition. The competition director will decide whether the equipment can be provided or not.

5.3.8 Material to be brought by participating teams

5.3.8.a Competitors can bring any resources they deem necessary as part of the competition.

5.3.8.b In the event that the team wishes to bring dangerous chemicals (flammable, under pressure, corrosive, etc.) or dangerous materials (sharp, high voltage, etc.), a detailed list must be provided at least 30 days (720 hours) in advance.

5.3.9 Evaluation matrix

Evaluation criteria	Points
Project	/70
Design Rationale	15
Environmental and social impacts	10
Economic feasibility	10
Technical feasibility	10
Innovation	20
Maturity level of the technology presented	5
Presentation	/20
Visual aids	10
Voice and articulation	5
Time management	5
Poster	/10
Penalties	
Plagiarism	Elimination
Insufficient citation	-50
Documents not received on time	-10 points/day
Absent team member	-25
Failure to comply with the specific requirements of the submitted documents	-10
Entry into the presentation room before the permitted time (after the first offense)	-10
Total	100

5.4 Graduate research project

5.4.1 In this competition, the participants present their research project for graduate studies at the master's or doctoral level. This competition takes place in the form of a scientific conference and consists of three parts: the writing of a short summary article, a presentation in front of the public as well as an evaluation by peers (judges) in a closed-door meeting. The summary article is given to the judges before the competition. During the competition, the presentation in front of the public is followed by a closed-door questioning meeting with the panel of judges in order to challenge the participants and

validate mastery of their research topic. The presentation to the public is accompanied by PowerPoint-type visual support which is reused in the evaluation meeting. The participants and projects are evaluated according to several criteria such as the quality of scientific popularization, methodology, mastery of the subject, innovation of the project as well as clarity of presentation. The general quality of the transmitted documents is also evaluated.

5.4.2 Registration criteria

5.4.2.a The team consists of a maximum of two (2) eligible participants.

5.4.2.b Participants are working on the same research project. (e.g.: same project, but working on two different subsystems or subtopics)

5.4.2.c The student participating must be enrolled in graduate studies at the 2nd or 3rd cycle in an engineering program offered by a Quebec university.

5.4.2.d The maturity or progress of the project does not influence its eligibility for the competition.

5.4.3 Pre-competition

5.4.3.a The team must submit their project when registering to the QEC.

5.4.3.b The project is revised by the competition director to establish eligibility.

5.4.3.c The team must submit the summary article no later than 14 days (336 hours) before the competition.

5.4.3.d The PowerPoint-type visual presentation (necessary for presentation in front of the public) is sent to the competition director in PDF format no later than 24 hours before the start of the presentations.

5.4.4 Summary article

5.4.4.a The summary article summarizes the entire research project and takes the form of a short scientific article. The article is evaluated by the judges and gives them an overview of the project.

5.4.4.b The team must submit the summary article to participate in the remainder of the competition.

5.4.4.c The summary article consists of one (1) letter-size page (8 ½" x 11") recto verso. The font must be 11 or 12 and the margins 2cm or more.

5.4.4.c The summary article summarizes the entire research project and provides an overview of the project to the judges.

5.4.4.d The summary article includes at least the following suggested sections: title of the project, identification of participants , introduction (context, problems and objectives), status of the project, methodology, results, conclusion and bibliography. Sections can be added or removed as needed depending on the project and its maturity. An example of a summary article is also provided to participants.

5.4.5 Presentation in front of an audience

5.4.5.a The presentation to the public includes at least the same information disclosed in the summary article. The presentation is clear, concise, summarized and attempts to popularize the research project to a diverse audience. The presentation is evaluated by the judges.

5.4.5.b At least one member of the team must present in front of an audience in order for the team to be able to participate in the evaluation meeting with the judges.

5.4.5.c The public is made up of the panel of judges, industry partners, other participants of the competition, faculty members as well as students graduates from the host university.

5.4.5.d The duration of the presentation to the public is of a minimum of five (5) minutes and a maximum of ten (10) minutes. The presentation is followed by a four (4) minute question period.

5.4.5.f The presentation to the public is accompanied by visual support such as PowerPoint (transmitted in PDF format). Material support (parts, prototype or other) is also permitted. If the visual support requires a video, participants must contact the competition director to make arrangements.

5.4.5.g The order of presentations to the public is determined randomly. The order of presentations is transmitted to the participants when all presentations are received by the competition director, i.e. 24 hours before the presentations in front of the public.

5.4.5.h Material provided by the organization

- Laptop
- Table
- Screen for projecting the presentation

5.4.5 Evaluation meeting in front of the panel of judges

5.4.5.a The evaluation meeting is led by the judges. The judges question the participants on technical and theoretical details of the project and evaluate the team's ability to justify the content of the article and of the presentation to the public. The team takes a defensive position and attempts to prove their mastery of the subject.

5.4.5.b The entire team must participate in the evaluation meeting.

5.4.5.b The judges are the same as during the presentation to the public.

5.4.5.c The evaluation meeting lasts 15 minutes. A period of three (3) minutes, included in the duration of the meeting, is given to the judges to provide constructive comments to the participants.

5.4.5.d The order of the evaluation meetings is determined at random and is announced at the latest at the end of the presentations to the public.

5.4.5.e The team can reuse the visual and material supports from the presentation to the public. It is recommended to add slides in the appendix to better prepare for the judges' questions.

5.4.5f Material provided by the organization

- Laptop
- Table
- Screen for projecting the presentation

5.4.6 Evaluation matrix

Evaluation criteria	Scoring
Article	/45
Introduction	5
Clear objective of the project	5
Scientific approach (methodology, theory, results, figures, conclusions)	20
Innovation and scientific impact	10
Document quality	5
Presentation to the public	/35
Communication (eloquence, flow, popularization)	15
Clarity of message (flow of the presentation)	10
Quality of visual support	5
General appreciation	5
Evaluation meeting	/20
Mastery of the subject	10
Scientific popularization of the theory	5
Honesty	5
Penalties	
Plagiarism	Elimination
Insufficient citation	-50
Documents not received on time	-10 points/day
Absent team member	-25
Failure to comply with the specific requirements of the submitted documents	-10

5.5 Senior design

5.5.1 In this competition, participants must work on a project revealed on the day of the competition. The evaluation criteria are based on the points accumulated during the tests, the oral presentation, originality, compliance with the imposed constraints, the effectiveness and feasibility of the system.

5.5.2 Registration criteria

5.5.2.a The team consists of a maximum of four (4) eligible participants.

5.5.3 Pre-competition

5.5.3.a Seven days (168 hours) before the competition, each competitor will receive an email including a list of theoretical elements covered by the problem and which must necessarily be understood for carrying out the project.

5.5.3.b This information will also be published on the official website.

5.5.3.c It is the competitors' responsibility to ensure that they have received the information.

5.5.4 Design period

5.5.4.a The time allocated to designing the solution varies from eight (8) to twelve (12) hours (depending on the choice of the organizers).

5.5.4.b A presentation of the problem first takes place in front of all participants. They then have a time period to ask their questions about the problem.

5.5.4.c Participants must design a solution to the problem and prepare a presentation that they will then have to present.

5.5.4.d At the end of the design period, the teams must submit their presentation as well as their solution to the competition director.

5.5.4.e Participants are allowed to ask questions to the competition director during this period; the questions and answers will be made available to all teams and judges.

5.5.4.f From the presentation of the problem and until the end of the tests in front of the public, communications related to the competition with a person outside the team will be prohibited, except with the competition director.

5.5.5 Presentation of the solution

5.5.5.a The time allocated for the oral presentation is ten (10) minutes, followed by a maximum of five (5) minutes of questions from the judges.

5.5.5.b The oral presentation includes a description of the design, of the final solution and of the process followed to get there.

5.5.5.c The order of presentations will be determined at random.

5.5.5.d The order of presentations will be announced at least thirty (30) minutes before the start of the presentations.

5.5.5.e One member per team must be present at the time of this announcement.

5.5.5.f Teams are prohibited from changing position in the order of presentations.

5.5.6 Material provided by the organization

5.5.6.a The following equipment will be made available to competitors during the design phase:

- A design area equipped with at least one table for the team and one chair per participant.
- A supply of electrical energy for each team
- The tools and other equipment needed to complete the design
- The hardware needed to build the solution

5.5.6 b The following equipment will be made available to the teams during the presentation phase:

- Digital projector
- Team's presentation file
- Table
- The solution designed by the team

5.5.7 Material to be brought by participating teams

- Books, notes taken during classes or any other reference document.
- A storage device that the team can keep after the design phase in order to have a copy of their presentation; it is the responsibility of the competitors to ensure with the organizers that the format of the electronic data is compatible with the available computers.
- A laptop to write the presentation and consult online documentation.

5.5.8 Evaluation matrix

Evaluation criteria	Points
Presentation	/ 30
Trials	/ 70
Penalties	
Plagiarism	Elimination
Insufficient citation	-50
Documents not received on time	-50
Absent team member	-25
Failure to comply with the specific requirements of the submitted documents	-10
Total	100

5.6 Junior Design

5.6.1 In this competition, participants must work on a project revealed on the day of the competition. Projects will be evaluated based on the originality of the design and prototype, presentation and performance of the prototype.

5.6.2 Registration criteria

5.6.2.a The team consists of a maximum of four (4) eligible participants that have completed a maximum of 59 credits of their bachelor's degree in engineering program at the time of the competition. An electronic transcript must be provided to the Organizing Committee to ensure the eligibility of competitors.

5.6.3 Pre-competition

5.6.3.a Seven days (168 hours) before the competition, each competitor will receive an email including a list of theoretical elements covered by the problem which must necessarily be understood to carry out the project.

5.6.3.b This information will also be published on the official website.

5.6.3.c It is the competitors' responsibility to ensure that they have received the information.

5.6.4 Design period

5.6.4.a The time allocated to designing the solution varies from four (4) to eight (8) hours (depending on the choice of the organizers).

5.6.4.b A presentation of the problem first takes place in front of all participants. They then have a time period to ask their questions about the problem.

5.6.4.c Participants must design a solution to the problem and prepare a presentation that they will then have to present.

5.6.4.d At the end of the design period, the teams must submit their presentation as well as their solution to the competition director.

5.6.4.e Participants are allowed to ask questions to the competition director during this period; the questions and answers will be made available to all teams and judges.

5.6.4.f From the presentation of the problem and until the end of the tests in front of the public, communications related to the competition with a person outside the team will be prohibited, except with the competition director.

5.6.5 Presentation

5.6.5.a The time allocated for the oral presentation is between five (5) and ten (10) minutes (depending on the choice of the organizers) , followed by a maximum of five (5) minutes of questions from the judges.

5.6.5.b The oral presentation includes a description of the design, of the final solution and of the process followed to get there.

5.6.5.c The order of presentations will be determined at random.

5.6.5.d The order of presentations will be announced at least thirty (30) minutes before the start of the presentations.

5.6.5.e One member per team must be present at the time of this announcement.

5.6.5.f Teams are prohibited from changing position in the order of presentations, unless otherwise indicated by the competition director.

5.6.6 Material provided by the organization

5.6.6.a The following equipment will be made available to competitors during the design phase.

- A design area whose dimensions are at least equipped with at least one table for the team and one chair per participant .
- A supply of electrical energy for each team
- The tools and other equipment needed to complete the design
- The hardware needed to build the solution

5.6.6.b The following equipment will be made available to the teams during the presentation phase:

- A digital projector
- A computer containing the team's presentation file
- A table
- The solution designed by the team

5.6.7 Material to be brought by participating teams

- Books, notes taken during classes or any other reference document.
- A laptop to write the presentation.
- A storage device that the team can keep after the design phase in order to have a copy of their presentation; It is the responsibility of the competitors to ensure with the organizers that the format of the electronic data is compatible with the computers available.

5.6.8 Evaluation matrix

Evaluation criteria	Points
Presentation	/30
Trials	/70
Penalties	
Plagiarism	Elimination
Insufficient citation	-50
Documents not received on time	-50
Absent team member	-25
Failure to comply with the specific requirements of the submitted documents	-10
Total	100

5.7 Reengineering

5.7.1 In this competition, the participants must work on improving a concept, a product, a technique or a technology unveiled on the day of the competition. Projects will be evaluated based on the originality of the design, the presentation and the quality of the report.

5.7.2 Registration criteria

5.7.2.a The team consists of a maximum of two (2) eligible participants.

5.7.3 Design period

5.7.3.a The time allocated to designing the solution varies from four (4) to eight (8) hours (depending on the choice of the organizers).

5.7.3.b A presentation of the three (3) to four (4) problems first takes place in front of all the participants. They then have a period to ask their questions about the problems. An appropriate and accessible communication method for all will be put in place to allow the participants to ask their questions during the design period.

5.7.3.c Participants must design a solution to the problems and prepare a presentation which they will then have to present, as well as a report written in the language of their choice, either French or English. The first case is mandatory. Participants will then have to choose one case from the following three.

5.7.3.d Participants are allowed to ask questions to the competition director during this period; the questions and answers will be made available to all teams and judges.

5.7.3.e At the end of the design period, participants must submit a copy of the presentation and report to the competition director.

5.7.3.f The organizing committee is responsible for translating, if necessary, the reports so that they are understandable by all judges of the competition.

5.7.4 Solution overview

5.7.4.a The time allocated for the presentation varies from fifteen (15) to twenty (20) minutes (depending on the choice of the organizers), followed by a maximum of fifteen (15) minutes of questions from the judges.

5.7.4.b Teams will have to explain their design to the judges and describe the process followed to come up with the final design.

5.7.4.c The order of presentations will be determined at random.

5.7.4.d The order of presentations will be announced at least thirty (30) minutes before the start of the presentations.

5.7.4.e One member per team must be present at the time of this announcement.

5.7.4.f Teams are prohibited from changing position in the order of presentations.

5.7.5 Material provided by the organization

5.7.5.a The following equipment will be made available to competitors during the analysis phase:

- A private design space equipped with at least one table for the team and one chair per participant.

5.7.5.b The following equipment will be made available to teams during the presentation phase :

- A digital projector
- A board

5.7.5.c Internet access may or may not be authorized by the competition director. The competition director's decision regarding this must be announced in the Pre-QEC notebook.

5.7.6 Material to be brought by participating teams

5.7.6.a Books and paper documentation necessary to resolve cases.

5.7.6.b Laptops (limit of one (1) per participant).

5.7.6.c A storage device that the team can keep after the design phase in order to have a copy of their presentation; It is the responsibility of the competitors to ensure with the organizers that the format of the electronic data is compatible with the computers available.

5.7.7 Evaluation matrix

Evaluation criteria	Points
Solution	/65
Report	/15
Presentation	/20
Penalties	
Plagiarism	Elimination
Insufficient citation	-50
Documents not received on time	-50
Absent team member	-25
Failure to comply with the specific requirements of the submitted documents	-10
Entry into the presentation room before the permitted time (after the first offense)	-10
Total	100

5.8 Programming

5.8.1 Description of the competition

5.8.1.a The objective of the programming category is to encourage engineering students to produce a computer program aimed at solving a complex problem. The teams will use their software and algorithm development skills as well as their project management skills to design a solution to a problem. This solution will then be presented to business leaders (jury) for approval. The winning team will be the one that accumulates the most points according to the evaluation matrix presented in section 5.8.8.

5.8.2 Registration criteria

5.8.2.a The team consists of a maximum of four (4) eligible participants.

5.8.3 Pre-competition

5.8.3.a At least seven (7) days before the competition, the main theme(s) of the competition will be announced to the competitors, to the judges and to the public. The competition director will announce the exact specifications of the equipment made available to the teams during the competition (computer storage devices, available programs, etc.)

5.8.3.b This information will also be published on the official website.

5.8.3.c It is the competitors' responsibility to ensure that they have received the information.

5.8.4 Design and/or practice period

5.8.4.a The time allocated to designing the solution varies from eight (8) to twelve (12) hours (depending on the choice of the organizers).

5.8.4.b A presentation of the problem first takes place in front of all participants and the judges. They then have a time period to ask their questions about the problem.

5.8.4.c Participants must design a solution to the problem and prepare a presentation that they will then have to present.

5.8.4.d At the end of the design period, teams must submit their presentation and the solution produced to the competition director.

5.8.4.e Participants are allowed. ask questions to the competition director during this period; the questions and answers will be made available to all teams and judges.

5.8.4.f It is expected that the teams participating in this competition have adequate knowledge in choosing the best tools to solve the given problem. It is up to the competition director to restrict the authorized tools if they wish.

5.8.4.g From the presentation of the problem until the end of the presentations, communications related to the competition with anyone outside the team will be prohibited, except with the competition director.

5.8.5 Solution overview

5.8.5.a The time allocated for the oral presentation is ten (10) to twenty (20) minutes, followed by a maximum of five (5) to ten (10) minutes of questions from the judges.

5.8.5.b The oral presentation includes a description of the design, the final solution, the process followed to get there and the strategy used during the test run.

5.8.5.c The order of presentations will be determined at random.

5.8.5.d The order of presentations will be announced at least thirty (30) minutes before the start of the presentations.

5.8.5.e The judges reserve the right to ask the team to describe what a particular section of the code does during the question period.

5.8.5.f One member per team must be present when the order of presentation is announced.

5.8.5.g Teams are prohibited from changing position in the order of presentation.

5.8.6 Material provided by the organization

5.8.6.a The following equipment will be made available to competitors during the design phase:

- A design area
- A supply of electrical energy for each team

5.8.6.b The following equipment will be made available to the teams during the presentation phase:

- Digital projector
- Table

5.8.7 Material to be brought by participating teams

5.8.7.a Books, notes taken during classes or any other reference document.

5.8.7b A storage device that the team can keep after the design phase in order to have a copy of their presentation; It is the responsibility of the competitors to ensure with the organizers that the format of the electronic data is compatible with the computers available.

5.8.7.c A laptop to write the presentation and complete the programming.

5.8.8 Evaluation matrix

Evaluation criteria	Scoring
Prototype	40
Test run	40
Presentation	20
Penalties	
Plagiarism	Elimination
Insufficient citation	-50
Documents not received on time	-50
Absent team member	-25
Failure to comply with the specific requirements of the submitted documents	-10
Entry into the presentation room before the permitted time (after the first offense)	-10
Total	100

5.9 Puzzle Hero

5.9.1 In this competition, participants must solve various puzzles dealing with engineering, science, general knowledge and logic, among other things. A team is made up of all the members of the same delegation.

5.9.2 Registration criteria

5.9.2.a Each registered participant that is participating in another competition category is automatically eligible to participate in the Puzzle Hero competition. Additionally, the head (“chief”) of the delegation is also eligible.

5.9.2.b The teams are made up of all participating members of a delegation from the same school.

5.9.3 Design period

5.9.3.a The time allocated to designing the solution begins at 8 am the first day of the Quebec Engineering Competition and ends a few hours before the awards ceremony. The end time will be announced during the competition.

5.9.3.b A digital platform will be made available to participants so that they can complete the puzzles.

5.9.3.c Successful puzzles will count towards points for the entire delegation.

5.9.3.d Throughout the duration of the challenge, communications relating to the competition with a person outside of a delegation will be prohibited, except with the competition director.

5.9.4 Material to be brought by participating teams

5.9.4.a Laptops to connect to the platform

5.9.5 Evaluation matrix

Evaluation criteria	Points
Points accumulated	/100
Penalties	
Plagiarism or unauthorized external assistance	Elimination
Total	100

5.10 Debates

5.10.1 It consists in the participants applying debating techniques to present a reasoned point of view on a previously undisclosed resolution with a minimum of preparation. The purpose of this event is to assess the aptitude of the participants to convey ideas and formulate arguments. The rules normally used in debate competitions are modified and relaxed to allow students without formal debate experience to participate.

5.10.2 Registration criteria

5.10.2.a The team consists of two (2) eligible participants.

5.10.3 Competition format

5.10.3.a The debate competition will consist of a double elimination format. This means that a team will have to suffer two defeats to be eliminated from the competition. Double elimination is waived in the final, so an undefeated team will not get a second chance following a loss in the final.

5.10.4 Preparatory elements

5.10.4.a Heads or tails

- We toss a coin to make “heads or tails”. The winning team chooses the party they want to represent: either the proposition or the opposition.

5.10.4.b Subject of the resolution

- The organizing committee will decide on the subject of the resolutions.
- Following the assignment of sides, the resolution is revealed.
- The nature of the resolution is such that Intermediate engineering students should be able to defend their point without any prior research.
- Resolutions will not include truisms (obvious truths) and will avoid the use of words of an absolute nature such as "everything", "everyone" and "always".

5.10.4.c Deliberation

- The teams have ten minutes of isolation, following the revelation of the resolution, to prepare for the debate.

5.10.5 Debate

5.10.5.a The order of speakers and the time allocated are as follows:

- First speaker of the proposition: 5 minutes
- First speaker of the opposition : 5 minutes

- Second speaker of the proposition: 5 minutes
- Second speaker of the opposition: 5 minutes
- Conclusion by the first opposition speaker : 2 minutes
- Conclusion by the first proposition speaker: 2 minutes.
- Note: The speaker may request a grace period of 15 seconds. To do this, the speaker or their colleague must bang the table hard. If requested, the speaker is obliged to use this period under penalty of being penalized .

5.10.5.b Proposition Role

- The proposition will present an initial set of ideas that they will defend.
- The proposition must redefine the resolution in such a way as to clarify each term and element. It may establish, in particular, the answer to who, what, where and how. However, it must not be redefining it in such a way as to give it a meaning other than that given by the original formulation. The proposal must also avoid debates on subjects unknown to the average engineer. In addition, the resolution must not be converted into a truism or an overly sensitive subject. The latter case falls under procedural point i of section 5.10.5.g.4, named "Overly sensitive subject". Specific steps are provided to respond to this procedural point (refer to the definition of the procedural point "Overly sensitive subject").
- The proposition can use one of the two strategies presented below.
- The proposition has the burden of proof; they must therefore convince the judges to resolve the proposition, beyond any reasonable doubt.

5.10.5.c Proposal Strategies

- Principle case: In a principle case, the proposition presents a principle and an assertion. The principle is a general statement that is debatable and based on fact, experience or morality. The assertion is the application of a principle to a particular situation in relation to the resolution. The affirmation should speak to an important topic and can be a confirmation of the resolution.
- Ex.1: Resolution: "Engineers must receive a solid general education" / Proposed statement: " Engineering students should pursue more additional studies"
- Ex.2: Resolution: "Canadians benefit from the free health care system" / Proposed statement: "People should be discouraged from going to the doctor unless necessary."
- Plan case: In the plan case, the proposition identifies a principle and an assertion. Once this is done, a plan is presented to develop the statement and to change the status quo. The need for change must be identified and how the plan will facilitate this change.

- The plan case is most effective when the principle and assertion are almost indisputable. In the case of a plan, it is important that the plan does not become too specific since the preparation time is limited and the technical knowledge necessary to develop the plan does not really exist.
- Ex. 1: Resolution: "Engineers must receive a solid general education" / Proposed statement: "Students should be required to follow a general studies program for two years before being able to enroll in an engineering program"
- Ex.2: Resolution: "Canadians benefit from the free health care system" / Proposed statement: "People should be charged every time they visit the doctor"
- Ex.3: Resolution: "Waste management should be stricter" proposed statement: "Waste management should be stricter, thus, we propose that any household that produces more than a certain amount of waste should pay a high fine "

5.10.5.d Role of speakers proposition

- First speaker : The first speaker for the proposition must explain the resolution, clearly state the principle and the assertion and then clarify definitions. Since the motions are intended to be balanced, very little redefinition is necessary, and it should not change the nature of the motion. All resolutions and their translation will be previously validated by the competition director and the Chair before the competition. The translation must also be considered and respected during the redefinition. If a plan case is presented, the entire plan must be reviewed in the first speaker's speech. Finally, the first speaker must initiate the argument for the assertion or plan. During the conclusion, the first speaker must also end the debate by reminding the judges why the proposition is true, beyond a reasonable doubt, and this, without introducing any new part to the plan.
- Second speaker : The second speaker of the proposition continues the argument of the first speaker and reaffirms concepts attacked by the opposition. New parts of a plan may not be presented and terms of the resolution may not be defined; however, new arguments mentioned in the first speech may be developed as well as new evidence. It is very important to address and refute the statements made by the opposition, otherwise the argumentation may be considered incomplete.

5.10.5.e Opposition role

- It is the duty of the opposition to convince the judges that the views of the proposition are wrong or insufficient.
- If the case presented by the proposition is a truism or requires specific knowledge to be debated, then the opposition can complain to the judges

with a "Point of Procedure" at the end of the proposition's first speech. If the point of procedure is accepted, then the opposition must redefine the resolution in a way that can be discussed.

- If the proposal presents a case of principle, all that remains for the opposition is to attack the principle and its mechanisms.

5.10.5.f Roles of speakers opposition

- First speaker : The first speaker for the opposition must announce their team's argument plan. They must initiate their argument and/or refute the arguments presented by the proposition. At the conclusion, they must remind the judges why the proposal is wrong, without introducing new parts to the plan.
- Second speaker : The second opposition speaker continues the argument of the first speaker and refutes the points made by the proposition. New parts of a plan cannot be added and resolution terms cannot be defined. However, new arguments mentioned in the first speech may be developed as well as new evidence.
- If the proposition presents a case for a plan, the opposition may attack the principle, claim, or arguments for the plan. The opposition may also show how the plan's goals, based on the principle of fact, will not work or identify the undesirable effects they would produce compared to the benefits. Finally, the opposition may propose an alternative plan that would be more effective than the original plan, although this avenue may entail more burden and is often not essential. Alternative plans must be introduced by the first speaker of the opposition.

5.10.5.g Elements of the debate

1. Conclusions

In the conclusions, the most important elements should be summarized in a concise and convincing manner. New arguments or facts should not be presented unless they are in direct refutation of what has already been discussed, and only for the government (the affirmative). The opposition should no longer have to refute, only crystallize.

2. Questions

Questions are a secondary way of refuting arguments. They can point out deficiencies in ideas as they arise and destabilize the active speaker.

The speaker who has the floor has the authority to accept or decline questions. The opponent who wishes to ask a question signals his or her desire simply by standing up.

If the speaker does not want to accept the question, he or she can wave his or her hand or just say "no thanks". If this happens, the questioner must sit down.

If the current speaker agrees to answer the question, the opponent must ask the question in less than fifteen seconds.

Only the current speaker may participate by answering the question. Time is stopped while the question is being asked, but the current speaker must answer it on his or her own time.

Each speaker must accept at least one question during his or her speech if the opponent makes an honest attempt to ask the speaker a question. Three attempts to ask a question constitute an honest attempt. If a speaker has already declined to answer twice, the debate chair will indicate to the speaker that they must take the question.

Questions will not be allowed during the first or last minute of a speech or during the conclusions.

3. Interjections

Sometimes the speaker contradicts themselves or makes an absurd assumption. An interjection at this time will point out the error and add to the debate.

Interjections are acceptable if they are short, well-directed, and preferably witty. If excessive interjection disturbs the audience, the Chair can intervene.

4. Procedural points

i. Sensitive topic : A sensitive topic is a topic that must be treated with special care and vigilance and that affects a debater's values, traumas or beliefs. If a person is affected, they should not have to answer for a motion that makes them truly uncomfortable or emotionally hurt. The sensitive element should not be part of the original motion, but if it is, it can be declared before the start of the preparation time. In the event that the sensitive element is due to an incorrect redefinition, the Chair of the assembly must decide and offer the affected person the opportunity to restart the round with a different motion. This second possibility could result in a change of schedule and a resumption of the round at a later point in the competition. In all cases, a competent person appointed by the chair

of the QEC organizing committee must be contacted to intervene with the affected person or, whenever possible, to simply remain available, attentive and present in the room throughout the round.

ii. If one of the teams thinks that one of the rules has been broken, they must immediately notify the Chair by standing up and saying: "Point of procedure". The Chair will then order time to stop and ask the speaker who has risen to explain the point of procedure. The team will then proceed to explain how the rules of debate were not followed. Finally, the Chair will decide on the point by saying: "Point accepted" or "Point rejected" and their decision will be final."

iii. If the officials have not followed the rules of the debate (incorrect order of speaking, too much time allowed for speaking, etc.), this can be politely pointed out to them with a procedural point.

iv. If it seems obvious that the Chair made a mistake, the team should not argue with them, but rather depend on the judges to correct the Chair's error. The time required to raise an issue and resolve it is not part of the time allocated to the team in the present debate. Here is a list of some offenses that would require a procedural point:

a. Case of truism: This procedural point is undoubtedly one that can turn a debate on its head. A case of truism is when the proposition is redefined in such a way that a debate cannot take place since it states a fact or tautology. To raise this procedural point, the team that wants to raise it must wait until the end of the speech of the speaker who committed the truism and then report it to the Chair. If accepted, the truism case will give power to the opposing team to redefine the proposition and thus provide the opportunity to totally invalidate the speech already made; if it is refused, the debate will continue with the redefinition provided.

b. Distortion of the debate: A distortion of the debate takes place when the motion is redefined in such a way that the meaning of the debate is completely different from the initial motion. The recommended test for redefinition is "would the average person find the redefinition coherent and consistent with the original motion?". The main effects of a distortion of the debate are that this distortion provides an advantage to the government, nullifies the opposition's preparation time, and the debate becomes confusing. The two cases of distortion would be the abusive redefinition of one or more terms or the addition of a massive exception to the motion.

To raise this procedural point, the team that wants to raise it immediately reports it to the president who will stop the debate. If the item is accepted, the chairperson will ask the speaker to remove or modify the affected element. If the item is refused, the debate will continue taking into account the element of redefinition.

c. Specific knowledge (in redefinition): If an aspect of the redefinition requires knowledge that an average engineering student does not possess, there is an instance of specific knowledge.

To raise this procedural point, the team that wants to raise it must wait until the end of the speech of the speaker having committed the specific knowledge and then report it to the Chair. If accepted, it will give the opposing team the power to redefine the terms of the specific knowledge and thus provide the opportunity to invalidate that portion of the redefinition; if it is refused, the debate will continue with the provided redefinition.

d. Specific knowledge (in the argument): If an aspect of an argument calls for knowledge that the average engineering student does not possess, there is an instance of specific knowledge. To raise this procedural point, the team that wants to raise it immediately reports it to the Chair who will stop the debate. If the point is accepted, the Chair will ask the offending speaker to withdraw or modify the affected argument and will ask the judges to disregard it ; if the point is refused, the debate will continue taking into account the provided argument.

e. Misquotation: If a debater is misquoted by another, he or she may immediately bring this to the attention of the chair. If the point is accepted, the chair will ask the offending speaker to remove or amend the quote and will ask the judges to disregard it; if the point is rejected, the debate will continue with the quote as provided. The quote must misrepresent a debater's words to be considered misquoted.

f. New argument in the conclusion : Given that the spirit of the debate involves an exchange between the two teams, it is strictly forbidden to bring a new argument on a concept not covered during the debate at the conclusion stage. To raise this procedural point, the team that wants to raise it immediately reports it to the Chair who will stop the debate. If the point is accepted, the Chair will ask the offending speaker to withdraw or

modify the affected argument and they will ask the judges to disregard it; If the point is refused, the debate will continue taking into account the provided argument.

g. Introduction of parts of a plan by the second speaker : The responsibility for setting up an argument plan falls to the first speaker. Thus, if a second speaker addresses a subject of argument which has not previously been brought up by the first speaker, there is a mistake. To raise this procedural point, the team that wants to raise it immediately reports it to the Chair who will stop the debate. If the point is accepted, the Chair will ask the offending speaker to withdraw the affected argument and they will ask the judges to disregard it; if the point is refused, the debate will continue taking into account the provided argument.

h. Unprofessional or offensive behavior: If a speaker demonstrates unprofessional behavior by being vulgar, inappropriate or simply lacking class, there is a clear breach of the decorum of the oratory debate. In this situation, the Chair will ask the offending speaker to correct the situation, the latter being able to cause their team to be disqualified if they refuse to comply.

5. Bilingualism

i This competition is bilingual: participants can use the language of their choice, between French and English, to debate. However, a speaker who begins their debate in one language must finish it in that same language. Despite this, if desired, members of the same team can each debate in a different language. It is the role of the organizing committee to obtain, wherever possible, bilingual judges.

5.10.6 Equipment provided

- Paper and pencils/pens for writing.

5.10.7 Assessment

5.10.7.a Officials chair

i The chair of the debate ensures that the debate rules are followed. They give the right to speak (introduces the speaker) and establish time limits. The Chair decides the outcome of the “procedural points” proposed by the speakers . The Chair 's decisions are final. Offensive remarks against one's decision are not tolerated.



5.10.7.b Timekeeper

- i. The timekeeper will use hand signals to give instructions to the debaters:
 - a. When one (1) minute has passed, the timekeeper will raise an open hand to signal the start of potential questions;
 - b. After every minute, the timekeeper will indicate with their fingers the number of minutes remaining in the debate;
 - c. When there is only one (1) minute remaining , the timekeeper will raise a fist to signal the end of potential questions;
 - d. When there are only ten (10) seconds left in the debate, the timekeeper will place their arms at a 90 degree angle and gradually lower the vertical arm during the ten (10) seconds, so as to bring it to the horizontal like a needle in a dial. If a debater bangs on the table during these ten (10) seconds (also called "grace period"), the timekeeper will lower their arms, wait for the end of the ten (10) seconds and start counting down from fifteen (15) additional seconds, without the possibility of expansion this time.
- ii. If a question is asked in the first or last minute of a speech, the timekeeper will let the Chair know, who will immediately refuse the question, because no questions can be asked during these periods of a speech.

5.10.7.c Judges

- An odd number of judges is requested for each debate. Without consulting the other judges and in silence, each judge will discreetly vote for the winning team in their eyes. The vote will be done on a paper, which will then be given to the Chair. The team accumulating the most votes will win the debate.

5.10.7.d Evaluation grid

Débats ora			
Proposition :			
Sujet : Qu'il soit résolu que			
Arguments proposition	Contre-argument		
-	-		
-	-		
-	-		
Conclusion			
Points de procédure contre :			
Évaluation de la proposition			
	1er orateur	2	
Prestance:	1 2 3 4 5		
Qualité de la langue et élocution :	1 2 3 4 5		
Structure	1 2 3 4 5		
Originalité	1 2 3 4 5		
Cohésion de l'équipe :		1 2 3 4	
Force de l'argumentaire :		1 2 3 4	
Évaluation			
Domination	Net avantage	Avantage	L
Commentaires			