

THE NATIONAL PROFESSIONAL PRACTICE EXAMINATION PDF

The national professional practice examination (NPPE) is a critical milestone for engineering and other licensed professionals seeking certification in many countries, including Canada. This examination not only assesses the candidate's grasp of ethical standards, legal responsibilities, and professional conduct but also ensures they are prepared to uphold the integrity and safety of their respective professions. Preparing thoroughly for the NPPE is essential for aspiring licensed professionals, as passing this exam signifies their readiness to undertake responsibilities that impact public safety and welfare.

Understanding the Purpose of the NPPE

Why the NPPE Is Important

The NPPE serves several key functions:

- **Assessment of Professional Knowledge:** Ensures candidates understand the ethical, legal, and professional standards expected of licensed professionals.
- **Public Safety Assurance:** Confirms that future professionals are equipped to make decisions that prioritize public safety and welfare.
- **Credential Validation:** Acts as a standardized measure to evaluate the readiness of candidates to practice independently.
- **Legal Requirement:** In many jurisdictions, passing the NPPE is a mandatory step toward obtaining a professional license.

Who Needs to Take the NPPE?

Typically, candidates who have:

- Completed their engineering or professional education.
- Gained required work experience under supervision.
- Are in the process of fulfilling licensing requirements.

In particular, licensed engineering associations or regulatory bodies mandate the NPPE for candidates seeking to become licensed engineers or other licensed professionals.

Structure and Content of the NPPE

Exam Format

The NPPE is usually administered as a multiple-choice examination, designed to evaluate a candidate's understanding of various professional responsibilities. The exam format can vary by jurisdiction but generally includes:

- Number of Questions: Ranges from 80 to 150 questions.
- Duration: Typically 3 to 4 hours.
- Delivery Mode: Computer-based testing (CBT) or paper-based, depending on the region.

Core Topics Covered

The exam predominantly tests knowledge in:

- **Professional Ethics and Conduct:** Principles of ethical behavior, conflicts of interest, confidentiality, and professional responsibility.
- **Legal and Regulatory Frameworks:** Laws, regulations, codes of practice, and standards relevant to the profession.
- **Risk Management and Safety:** Identifying hazards, safety protocols, and risk mitigation strategies.
- **Project Management and Professional Practice:** Contract administration, project delivery, and client communication.
- **Environmental and Sustainability Issues:** Understanding environmental impact assessments and sustainable practices.

Preparation Strategies for the NPPE

Understanding the Exam Syllabus

Before beginning any study plan, familiarize yourself with the official syllabus provided by the licensing body. This document outlines the scope, key topics, and suggested reading materials.

Developing a Study Plan

Effective preparation involves:

- **Creating a Schedule:** Allocate regular study periods over several weeks or months.
- **Prioritizing Topics:** Focus on areas where you feel less confident.
- **Using Official and Supplementary Materials:** Review study guides, practice exams, and relevant codes of ethics.

Utilizing Practice Exams

Practice exams help you:

- Get accustomed to the question format.
- Manage your exam time effectively.
- Identify areas needing improvement.

Joining Study Groups and Courses

Collaborative learning can enhance understanding:

- Study groups provide diverse perspectives.
- Review courses offer structured guidance and expert insights.

Key Tips for Success in the NPPE

- **Understand Ethical Principles:** Ethics are heavily emphasized; familiarize yourself with codes of conduct relevant to your profession.
- **Stay Updated with Regulations:** Laws and standards evolve; ensure your knowledge is current.
- **Practice Time Management:** During the exam, allocate time wisely to avoid rushing through questions.
- **Read Questions Carefully:** Pay attention to wording and qualifiers to select the most accurate answer.
- **Review Your Answers:** If time permits, revisit questions to confirm or change answers thoughtfully.

Post-Examination Procedures

Results and Next Steps

- Results Timeline: Typically within a few weeks after the exam.
- Passing Score: Varies by jurisdiction but generally around 70-75%.
- If You Pass:
 - Complete any remaining licensing requirements.
 - Begin the process of obtaining your professional license.
- If You Fail:
 - Review your exam performance if feedback is provided.
 - Reassess your study plan.
 - Register for the next available exam sitting.

Maintaining Your License

Passing the NPPE is just one step; maintaining licensure often involves:

- Continuing professional development (CPD).
- Adherence to ethical standards.
- Regular renewal of credentials.

Legal and Ethical Considerations

Code of Ethics

Most licensing bodies impose a strict code of ethics, emphasizing:

- Integrity and honesty.
- Respect for the public and environment.
- Competence and accountability.
- Confidentiality and impartiality.

Legal Responsibilities

Professionals must understand:

- Contract law.
- Liability and negligence.
- Regulatory compliance.

Adhering to these legal frameworks is vital for practicing responsibly and avoiding legal

repercussions.

Impact of the NPPE on Professional Careers

Career Advancement

Successfully passing the NPPE opens doors for:

- Independent practice.
- Leadership roles within organizations.
- Opportunities in consulting, project management, and regulatory agencies.

Professional Recognition

The exam validates your commitment to ethical and professional standards, enhancing your reputation among peers and clients.

Global Perspective

While the NPPE is specific to certain jurisdictions, its focus on ethics, safety, and legal responsibilities aligns with international standards, preparing professionals for global opportunities.

Conclusion

The **national professional practice examination** is a cornerstone in the journey toward professional licensure. Its comprehensive assessment of ethical knowledge, legal understanding, and professional responsibility ensures that only qualified individuals uphold the standards necessary to serve the public effectively. Proper preparation, a clear understanding of the exam structure, and a commitment to ongoing professional development are essential for success. Passing the NPPE not only signifies your readiness to practice independently but also affirms your dedication to integrity, safety, and excellence in your profession. Aspiring professionals should approach this exam as an opportunity to reinforce their knowledge and demonstrate their commitment to upholding the high standards expected of licensed practitioners worldwide.

The National Professional Practice Examination (NPPE): A Comprehensive Guide to Success

Preparing for the National Professional Practice Examination (NPPE) is a pivotal step for aspiring licensed professionals across various fields, including engineering, geology, and other regulated professions. This exam serves as a critical assessment of an individual's understanding of the ethical, legal, and professional standards necessary to practice responsibly and competently.

Whether you're a recent graduate or a seasoned professional seeking licensure renewal, understanding the structure, content, and effective preparation strategies for the NPPE can significantly enhance your chances of success.

What is the NPPE?

The National Professional Practice Examination is a standardized test designed to evaluate a candidate's knowledge of the fundamental principles that govern professional practice, ethics, and law within their respective fields. It is typically required by licensing bodies to ensure that all professionals uphold consistent standards of integrity, accountability, and competence.

Purpose and Importance

- Verify understanding of ethical standards: Ensures professionals are equipped to handle ethical dilemmas.
- Assess knowledge of legal responsibilities: Clarifies legal obligations related to practice, licensing, and liability.
- Promote public safety and trust: Upholds the integrity of the profession by ensuring practitioners adhere to high standards.

Who Must Take the NPPE?

The NPPE is primarily required for candidates seeking initial licensure or certification in professions regulated by national or provincial bodies, such as:

- Professional Engineers
- Geoscientists
- Land Surveyors
- Other licensed practitioners in regulated fields

Structure of the NPPE

Understanding the structure of the NPPE is essential for effective preparation. The exam typically consists of multiple-choice questions designed to test knowledge across various domains related to professional practice.

Exam Format

- Number of Questions: Usually 80-100 multiple-choice questions.
- Duration: 3 to 4 hours.
- Delivery Mode: Computer-based testing (CBT) at authorized testing centers.
- Scoring: Passing scores often range between 70% to 75%, depending on the regulatory body.

Content Domains Covered

The NPPE broadly assesses the following areas:

- Ethics and Professional Conduct
- Legal Principles and Responsibilities
- Professional Practice Management
- Risk Management and Liability
- Communication and Client Relations
- Regulatory Frameworks and Compliance

Preparing for the NPPE: A Step-by-Step Guide

Achieving a passing score requires strategic preparation. Here's a detailed step-by-step approach to help you navigate the process effectively.

- Understand the Exam Content and Requirements
 - Review the official exam syllabus published by your licensing body.
 - Identify key topics within each content domain.
 - Understand the format and rules of the exam day, including identification requirements, allowed materials, and testing procedures.
- Gather Study Materials
 - Official Study Guides: Many licensing bodies provide recommended reading materials.
 - Practice Exams: Use sample questions and past exams to familiarize yourself with question formats.
 - Reference Books and Articles: Focus on ethics codes, legal statutes, and practice standards relevant to your profession.
 - Online Resources and Courses: Consider enrolling in prep courses if available.

- Develop a Study Plan

- Set a realistic timeline: Ideally, allocate 4-8 weeks depending on your familiarity with the content.

- Break down topics: Divide your study time proportionally across different domains.
- Schedule regular study sessions: Consistency is key to retention.
- Include review periods: Reinforce learning through periodic reviews.

- Focus on Key Areas

- Learn ethical frameworks and decision-making models.
- Understand legal principles, including liability, contracts, and standards of practice.
- Practice applying knowledge to real-world scenarios.
- Familiarize yourself with the code of ethics and professional conduct standards.

- Practice, Practice, Practice

- Complete multiple practice exams to build confidence.
- Review explanations for both correct and incorrect answers.
- Identify weak areas and revisit those topics.
- Simulate exam conditions to improve time management skills.

- Prepare for Exam Day

- Gather necessary documents (e.g., identification, confirmation notices).
- Plan your logistics: Know the test center location, transportation, and schedule.
- Rest adequately before the exam day.
- Arrive early to reduce stress and settle in.

Tips for Success During the Exam

- Read questions carefully: Ensure understanding before answering.
- Manage your time: Allocate time per question and avoid spending too long on difficult questions.

- Answer with confidence: Trust your preparation but remain cautious.
- Use the process of elimination: Narrow down options when unsure.
- Flag difficult questions: Return to them later if time permits.

Post-Exam Steps

- Await your results: Results are typically available within a few weeks.
- Review your performance: Analyze areas of strength and weakness.
- Retake if necessary: Most licensing bodies allow a limited number of attempts.
- Maintain professional development: Continue learning and adhering to ethical standards.

Additional Resources and Support

- Licensing Body Websites: Regularly check for updates, sample questions, and study guides.
- Study Groups: Collaborate with peers for shared learning.
- Professional Associations: Offer seminars, resources, and mentorship opportunities.
- Online Forums: Engage with others preparing for the NPPE.

Conclusion

The National Professional Practice Examination is more than just a test; it is a reflection of your commitment to uphold the standards of your profession. Proper preparation, understanding of the exam structure, and diligent study are vital to passing the NPPE successfully. By approaching your study plan systematically and leveraging available resources, you can build the confidence needed to demonstrate your knowledge of ethics, law, and professional responsibilities. Remember, passing the NPPE is a significant milestone towards becoming a recognized and respected professional in your field, ultimately contributing to public safety, trust, and the integrity of your profession.

Good luck on your journey to licensure!

Question What is the purpose of the National Professional Practice Examination (NPPE)? The NPPE is designed to assess the fundamental knowledge and understanding of ethics, professional practice, and engineering laws required for licensure as a professional engineer or geoscientist in many regions. How can I prepare effectively for the NPPE? Preparation typically involves reviewing the exam syllabus, studying relevant codes of ethics, practicing sample questions, and utilizing review courses or study guides specifically tailored for the NPPE. What is the format of the NPPE exam? The NPPE usually consists of multiple-choice questions that test knowledge of ethical principles, professional responsibilities, laws, and standards related to engineering or geoscience practice. How often is the NPPE offered, and how can I register? The

exam is generally offered several times a year, with registration procedures available through the licensing body's website. Candidates should check the specific schedule and deadlines for their region. What are common challenges faced by candidates taking the NPPE? Candidates often find the ethical and legal questions challenging due to their complexity and the need to apply principles to real-world scenarios. Adequate preparation and understanding of professional standards are key to success. Is there a passing score for the NPPE, and what happens if I don't pass on my first attempt? Yes, there is a designated passing score set by the licensing authority. If you do not pass, you can typically retake the exam after a specified waiting period, and it's recommended to review areas of difficulty before attempting again.

Related keywords: certification exam, professional licensing, practice standards, exam preparation, professional ethics, licensing requirements, exam registration, professional competency, exam syllabus, certification process

Somaliland Examination Board 2013

Somaliland Examination Board 2013

The Somaliland Examination Board 2013 was a significant milestone in the educational landscape of Somaliland, marking a period of academic assessment, curriculum development, and educational reform. As the primary authority responsible for overseeing secondary education examinations in Somaliland, the board's activities in 2013 reflect its commitment to ensuring quality education, standardized assessment procedures, and the preparation of students for future academic and professional pursuits. This comprehensive overview explores the key aspects of the Somaliland Examination Board 2013, including its structure, examination processes, challenges faced, achievements, and the impact on Somaliland's education system.

Overview of the Somaliland Examination Board

Establishment and Mandate

The Somaliland Examination Board was established to administer public examinations at various levels of secondary education, including the Somaliland Certificate of Secondary Education (SCSE). Its primary mandate is to:

- Develop and implement examination policies and standards
- Design and evaluate examination papers

- Ensure fairness, transparency, and integrity in the examination process
- Provide accurate and timely assessment results to students and stakeholders

Organizational Structure

The board operates under a structured hierarchy to effectively manage its responsibilities:

- Board of Directors: Provides strategic oversight and policy guidance
- Examination Department: Handles exam design, administration, and grading
- Research and Development Unit: Focuses on curriculum alignment and assessment innovations
- Administrative Staff: Manages logistics, communication, and support services

Key Activities of the Somaliland Examination Board in 2013

Examination Preparation and Curriculum Alignment

In 2013, the board concentrated on refining the examination content to better align with the national curriculum and educational goals. Efforts included:

- Updating question banks to reflect current academic standards
- Training examiners and teachers on grading and assessment criteria
- Implementing new assessment methodologies to improve evaluation accuracy

Examination Administration

The 2013 examination cycle involved meticulous planning and execution:

- Registration of candidates across Somaliland's regions
- Distribution of examination papers to designated centers
- Supervision of exams by trained invigilators to ensure integrity
- Collection and secure transportation of answer scripts for grading

Grading and Results Processing

Post-examination, the board focused on:

- Carefully grading answer scripts based on standardized rubrics

- Implementing quality checks to prevent errors
- Calculating and compiling results for each candidate and school
- Preparing official transcripts and certificates for successful students

Results Announcement and Certification

In 2013, the Somaliland Examination Board adopted efficient communication channels:

- Publishing results on official websites and local media outlets
- Distributing certificates to students through schools
- Providing feedback sessions for educators and stakeholders

Challenges Faced by the Somaliland Examination Board in 2013

Despite its achievements, the board encountered several challenges:

- Logistical Constraints: Difficulties in distributing examination materials across remote regions
- Resource Limitations: Insufficient funding to upgrade examination infrastructure
- Security Concerns: Ensuring exam security in conflict-prone areas
- Capacity Building: Need for continuous training of examiners and invigilators
- Technological Gaps: Limited use of digital tools for exam management and result dissemination

Achievements and Impact of the 2013 Examination Cycle

Enhanced Examination Standards

The 2013 cycle marked a move toward more rigorous assessment standards, which contributed to:

- Higher credibility of examination results
- Improved student preparedness for higher education
- Increased trust among parents and educators in the examination system

Curriculum and Assessment Improvements

The board's focus on aligning exams with the curriculum helped:

- Identify areas where teaching methods needed enhancement

- Guide curriculum developers to focus on core competencies
- Encourage schools to adopt better teaching and learning strategies

Strengthening Institutional Capacity

Through training sessions and workshops, the board enhanced the skills of personnel involved in examination processes, leading to:

- More consistent grading practices
- Reduced examination malpractice
- Better data management and reporting systems

Future Outlook and Recommendations

Building on the successes and lessons of 2013, several recommendations can be made to further strengthen Somaliland's examination system:

- Invest in technological infrastructure to automate exam management processes
- Enhance security measures to prevent cheating and fraud
- Increase capacity-building programs for examiners and invigilators
- Expand outreach to rural and underserved regions to ensure equitable access
- Develop continuous feedback mechanisms from stakeholders to refine examination policies

Conclusion

The Somaliland Examination Board 2013 played a pivotal role in shaping the educational assessment landscape of Somaliland. Its efforts in standardizing exams, improving quality control, and fostering transparency contributed significantly to elevating the credibility of Somaliland's secondary education system. While challenges persisted, the achievements of 2013 laid a solid foundation for future reforms and innovations. Continued commitment to capacity building, technological integration, and stakeholder engagement will be crucial in advancing Somaliland's educational objectives and ensuring that its students are well-prepared for the demands of the modern world.

Somaliland Examination Board 2013: A Comprehensive Overview of the Year's Academic Milestones and Challenges

Introduction

Somaliland Examination Board 2013 marked a significant chapter in the region's educational history, reflecting both the strides made in academic assessment and the ongoing challenges faced by Somaliland's educational institutions. As the autonomous region continued to develop its educational infrastructure and uphold its commitment to quality education, the 2013 examination cycle provided insights into the effectiveness of reforms, the preparedness of students, and the overall progress of the nation's examination system. This article explores the key aspects of the Somaliland Examination Board's activities in 2013, examining its structure, examination processes, outcomes, and the broader implications for Somaliland's educational development.

The Role and Structure of the Somaliland Examination Board

Establishment and Mandate

The Somaliland Examination Board, established as a pivotal institution overseeing secondary school assessments, operates under the Ministry of Education and Higher Education. Its primary mandate is to organize, administer, and grade national examinations for secondary school students, ensuring standardization, fairness, and transparency across Somaliland's diverse educational institutions.

By 2013, the Board had evolved into a semi-autonomous body with a clear focus on improving assessment standards, introducing innovative examination methods, and aligning with international best practices. Its responsibilities include setting exam syllabi, preparing question papers, coordinating logistics, and overseeing grading processes.

Organizational Structure

The Board's organizational framework is designed to facilitate efficient examination management:

- Executive Committee: Responsible for policy formulation, strategic planning, and oversight.
- Examinations Department: Handles question paper preparation, printing, and distribution.
- Administration and Logistics Unit: Manages logistics, security, and logistical arrangements.
- Grading and Results Department: Oversees marking, standardization, and publication of results.
- Quality Assurance and Monitoring: Ensures adherence to standards and monitors exam integrity.

This structure aimed to streamline operations, minimize irregularities, and boost stakeholder confidence in the examination process.

The 2013 Examination Cycle: Key Features and Innovations

Exam Subjects and Structure

In 2013, the Somaliland Examination Board administered assessments across core disciplines, including:

- Mathematics
- Sciences (Physics, Chemistry, Biology)
- Languages (Somali, English, Arabic)
- Social Studies (History, Geography)
- Religious Studies

The exams were structured into multiple-choice questions, essay questions, practical assessments (for sciences), and oral examinations (particularly for languages). This multidimensional approach aimed to evaluate students' knowledge comprehensively.

Syllabi and Curriculum Alignment

A notable feature of the 2013 exams was the emphasis on curriculum alignment. The Board collaborated with curriculum developers to ensure exam content reflected current syllabi, which had undergone revisions to incorporate contemporary topics and pedagogical approaches. This alignment aimed to:

- Enhance students' readiness for higher education and employment.
- Ensure fairness across different schools and regions.
- Promote curriculum reforms initiated in the preceding years.

Security Measures and Integrity

Given concerns about exam malpractice, the Board implemented stringent security protocols in 2013:

- Sealed question papers transported under tight security.
- Examination centers monitored by trained invigilators.
- Randomized seating arrangements to prevent collusion.
- Use of secure examination centers with minimal external interference.

These measures were critical in safeguarding the credibility of the results.

Student Performance and Results in 2013

Overall Performance Trends

The 2013 results revealed a mixed picture:

- **Pass Rates:** Approximately 70% of candidates passed their exams, marking a slight increase from previous years.
- **Top Performers:** Certain regions and schools showed remarkable performance, reflecting the success of targeted educational interventions.
- **Subject-wise Performance:** Students generally excelled in languages but faced challenges in sciences, highlighting areas for curriculum enhancement.

Regional Disparities

Data indicated disparities between urban and rural regions:

- **Urban centers,** such as Hargeisa, exhibited higher pass rates and better exam preparedness.
- **Rural areas** faced infrastructural challenges, affecting exam administration and student performance.

Gender Differences

Analysis pointed to gender disparities, with female students performing slightly better in language subjects but lagging in sciences. These trends underscored the need for gender-sensitive educational policies.

Challenges Faced by the Somaliland Examination Board in 2013

Despite progress, the 2013 examination cycle was not without hurdles:

- **Resource Constraints:** Limited funding affected printing quality, logistics, and examiner training.
- **Infrastructure Issues:** Many examination centers lacked adequate facilities, especially in remote areas.
- **Irregularities and Malpractice:** Attempts at cheating and collusion persisted, demanding continuous vigilance.
- **Teacher and Examiner Training:** The need for ongoing professional development was evident, especially in newer assessment techniques.
- **Data Management:** Handling large volumes of exam data required improved systems; in some cases, delays in result publication occurred.

Addressing these challenges remained a priority for the Board and policymakers.

Broader Implications for Somaliland's Education System

Educational Development Goals

The 2013 examination results and processes contributed to Somaliland's broader educational development goals, including:

- Enhancing access to quality secondary education.
- Promoting equitable assessment standards across regions.
- Preparing students for higher education and vocational opportunities.

Feedback Loop for Curriculum and Policy Reforms

Assessment outcomes provided vital feedback for curriculum developers and policymakers, guiding reforms aimed at:

- Updating syllabi to meet modern demands.
- Introducing new examination formats, such as continuous assessment.
- Strengthening teacher training programs.

Building International Credibility

Efforts to improve examination integrity and standards fed into Somaliland's aspirations for international recognition of its educational credentials, facilitating student mobility and higher education collaborations.

Future Outlook and Recommendations

Looking beyond 2013, the Somaliland Examination Board has several avenues for growth:

- Technological Integration: Implementing digital examination systems to streamline processes and reduce malpractice.
- Capacity Building: Investing in examiner training and infrastructural upgrades.
- Data Management: Developing robust data systems for real-time monitoring and analysis.
- Community Engagement: Raising awareness among parents, teachers, and students about examination standards and ethics.

- Partnerships: Collaborating with international organizations for technical support and capacity enhancement.

By focusing on these areas, Somaliland aims to bolster its examination system's credibility, reliability, and fairness.

Conclusion

The Somaliland Examination Board 2013 exemplifies a critical phase of educational assessment development within the region. While achievements like increased pass rates and curriculum alignment highlight progress, persistent challenges underscore the need for continued reform and investment. As Somaliland navigates its educational journey, the lessons learned from the 2013 examination cycle serve as valuable benchmarks for future growth, ensuring that its youth are well-equipped for the demands of the modern world.

Question What were the main examination subjects offered by the Somaliland Examination Board in 2013? In 2013, the Somaliland Examination Board conducted exams in subjects such as Mathematics, Science, Social Studies, Somali Language, English, and Islamic Studies for secondary school students. **Answer** How did students access their 2013 Somaliland Examination results? Students could access their 2013 examination results through official Somaliland Examination Board websites, local schools, or authorized centers, often via online portals or physical result slips. Were there any significant changes in the 2013 Somaliland examination policies compared to previous years? Yes, 2013 saw the introduction of standardized grading systems and improved security measures to prevent exam malpractices, aligning with efforts to enhance exam integrity. What were the pass rates for the Somaliland examinations in 2013? The pass rates in 2013 varied by subject and region, but overall, there was a notable increase in successful candidates compared to previous years, reflecting improved academic performance. How did the Somaliland Examination Board ensure the security and fairness of the 2013 exams? The board implemented strict security protocols, including secure exam centers, CCTV surveillance, standardized question papers, and strict invigilation to promote fairness and prevent cheating. Were there any notable challenges faced by students or the Somaliland Examination Board in 2013? Some challenges included logistical issues in remote areas, resource limitations, and occasional exam paper leaks, which prompted the board to reinforce security and logistical measures. How did the 2013 Somaliland examinations impact students' higher education opportunities? The results from 2013 played a crucial role in university admissions and scholarships, with higher-performing students gaining access to further education both locally and abroad. What preparations did the Somaliland Examination Board undertake for the 2013 exams? Preparations included printing and securing exam papers, training invigilators, setting up examination centers, and conducting awareness campaigns to ensure smooth administration. Where can I find historical data or records of the 2013 Somaliland Examination Board results? Historical records and results from 2013 can be accessed through the Somaliland Ministry of Education, the Somaliland Examination Board official

website, or local educational institutions' archives.

Related keywords: Somaliland Examination Board, 2013 exams, Somaliland education, Somaliland secondary exams, Somaliland certification, Somaliland exam results 2013, Somaliland academic standards, Somaliland curriculum 2013, Somaliland grading system, Somaliland exam procedures

Read the full article online: [Somaliland Examination Board 2013](#)