

**The National Institute of
Educational Testing Service
(Public Organization)
Thailand**



สถาบันทดสอบทางการศึกษาแห่งชาติ (องค์การมหาชน)
National Institute of Educational Testing Service (Public Organization)

ABOUT NIETS:

The National Institute of Educational Testing Service (NIETS) was established on September 3, 2005, as a public organization. Its service, up to the present time, extends from primary, secondary, and tertiary levels. It also prepares the examinations for university admissions in 2009.

As a public organization, its revenues come from the national budget each year, but some revenue comes from testing services given to the teachers who desire to upgrade themselves in educational measurement and evaluation.

Our Vision:

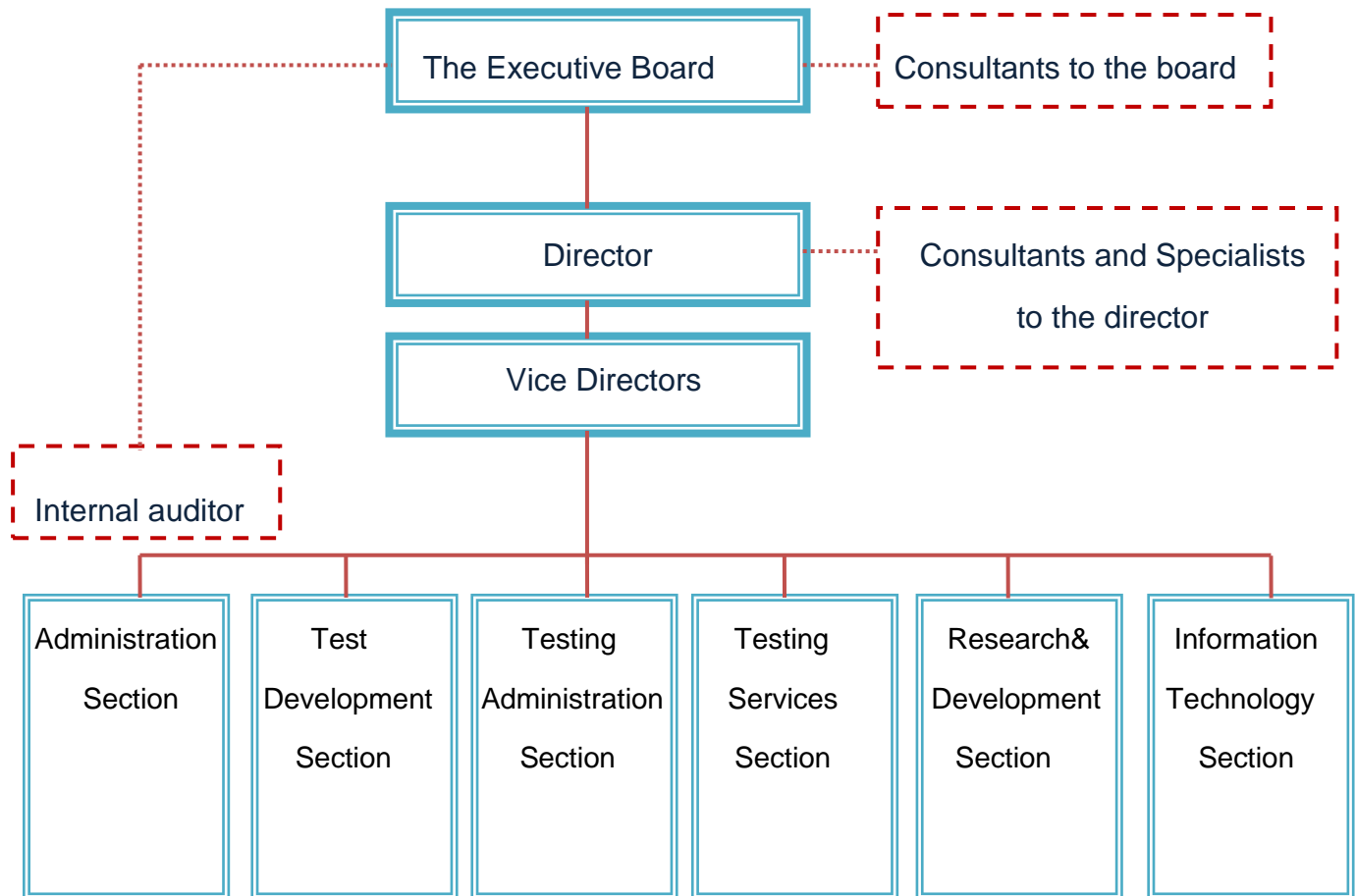
To be a world class educational testing service center.

Our Mission:

- To organize testing systems, methods, and tools of educational measurement and evaluation.
- To organize national education testing and collaborate with educational schools and regions.
- To organize basic and vocational tests, and provide testing services for basic and vocation educational levels.
- To conduct research activities and disseminate innovative practices and techniques in educational measurement and evaluation.
- To become an information center of educational testing including support and provide test results dissemination services to relevant bodies at national and international levels.
- To enhance and promote educational measurement and evaluation, including training people in the field of educational measurement and evaluation, monitoring the quality of basic education graduated students, certifying the educational measurement and evaluation centers in aspect of systems, methods, and tools.
- To become an academic cooperation center in the field of educational measurement and evaluation at national and international levels.

NIETS Administrative Structure:

NIETS is under the Executive Board composing of 10 members: the president, 4 appointed representatives of related offices, 4 specialists, and the director of NIETS as secretary. The organization chart is demonstrated as follows:



ABOUT O-NET

NIETS conducts Ordinary National Educational Test (O-NET) for grade 6, grade 9, and grade 12 students to assess their academic proficiency. O-NET comprises of 8 major subject areas according to the national education curriculum: 1) Thai Language 2) Mathematics, 3) Science, 4) Social Science, Religion, and Culture, 5) Health and Physical Education, 6) Art, 7) Career and Technology, and 8) Foreign Languages. The details of areas and skills assessed and numbers of time spent for each subject are described as follows:

| Subject Areas: | Areas and skills assessed: | Time spent | | |
|---------------------------------------|---|------------|------------|------------|
| | | Grade 6 | Grade 9 | Grade 12 |
| Thai Language | Reading | 45 minutes | 1 hour | 2 hours |
| | Writing | | | |
| | Listening, observation, and speaking | | | |
| | Principles on language application | | | |
| | Literature and literary outputs | | | |
| Mathematics | Numbers and numerical works | 45 minutes | 1 hour | 2 hours |
| | Measurement | | | |
| | Geometry | | | |
| | Algebra | | | |
| | Data analysis and probability | | | |
| | Mathematic Skills and procedures | | | |
| Science | Living beings and life existence processes | 45 minutes | 1 hour | 2 hours |
| | Life and environment | | | |
| | Properties of matter | | | |
| | Force and mobility | | | |
| | Energy | | | |
| | Evaluation of earth | | | |
| | Astronomy and space | | | |
| | Nature of science and technology | | | |
| Social Science, Religion, and Culture | Religion, morality, and righteousness | 45 minutes | 1 hour | 2 hours |
| | Civil responsibility, culture, and life in society | | | |
| | Economics | | | |
| | History | | | |
| | Geography | | | |
| Foreign Languages | Language for communication | 30 minutes | 1 hour | 2 hours |
| | Language and cultural | | | |
| | Language and other subject groups relationship | | | |
| | Language, community and work relationship | | | |
| Health and Physical Education | Human growth and development | 30 minutes | 40 minutes | 40 minutes |
| | Life and family | | | |
| | Movements, physical exercises, games, Thai and international sports | | | |
| | Building up health capacity and sickness prevention | | | |
| | Safety | | | |
| Art | Visual arts | 30 minutes | 40 minutes | 40 minutes |
| | Music | | | |
| | Performing arts | | | |
| Career and Technology | Living and family life | 30 minutes | 40 minutes | 40 minutes |
| | Career | | | |
| | Design and technology | | | |
| | Information technology | | | |
| | Work and career technology | | | |

Numbers of students taking the O-NET each year are about 2 millions, 950,000 for grade six students, 880,000 for grade nine students, and 330,000 for grade twelve students.

ABOUT GAT/PAT

Since 2009, NIETS also conducts tests for university admission called the General Aptitude Test (GAT) and the Professional and Academic Aptitude Test (PAT) for 12 grade students throughout the country.

| General Aptitude Test (GAT) | Time Spent | Percentages | Points | Numbers of students |
|---|--------------------|-------------|------------|---------------------|
| Section 1: Reading, Writing, Critical thinking skills, and Problem solving skills | 90 minutes | 50% | 150 | 320,000 |
| Section 2: Ability to communication in English | 90 minutes | 50% | 150 | |
| Total | 180 minutes | 100% | 300 | |

| Professional and Academic Aptitude Test (PAT) | | | |
|--|----------------------|-------------------|------------------------------------|
| Areas and skills assessed | Percentage | | Numbers of students taking the PAT |
| | Professional Content | Academic Aptitude | |
| Time spent: 3 hours each Point: 300 points each | | | |
| PAT 1: Mathematics | 90 % | 10 % | 210,000 |
| PAT 2: Science | 90 % | 10 % | 190,000 |
| PAT 3: Engineering | 85 % | 15 % | 70,000 |
| PAT 4: Architecture | 30 % | 70 % | 40,000 |
| PAT 5: Educational Profession | 25 % | 75 % | 110,000 |
| PAT 6: Fine and Applied Arts | 70 % | 30 % | 39,000 |
| PAT 7: Languages | 40 % | 60 % | 10,000 |
| • PAT 7.1 French | 40 % | 60 % | 1,500 |
| • PAT 7.2 German | 30 % | 70 % | 9,000 |
| • PAT 7.3 Japanese | 60 % | 40 % | 15,000 |
| • PAT 7.4 Chinese | 60 % | 40 % | 600 |
| • PAT 7.5 Arabic | 70 % | 30 % | 900 |
| • PAT 7.6 Bali | | | |

OTHER SERVICES

One of our responsibilities is in the area of professional development, NIETS is committed to ensure that Thai teachers keep up with their professions by offering examinations for teacher certifications. The current offering includes:

- A certification in educational measurement and evaluation
- A Certification in IT Standards

Beside the certification examinations, NIETS has extended our service by providing the preparation materials. NIETS offers the educational measurement and evaluation materials for grade 1-12 teachers in a series of 16 textbooks. In addition, we also develop an innovative technology to support learning which are of 11 CDs to help candidates to better prepare for the examinations, to enhance learners' understanding of the contexts, and to self evaluate their learning. The further details of the materials are as follows:

| Educational measurement and evaluation for Grade 1-12 Teachers series | | |
|--|--|--------------|
| Series: | Description: | CDs: |
| Book 1 | Concept of Educational Measurement and evaluation | CD 1 |
| Book 2 | | |
| Book 3 | Educational Measurement and Evaluation for 1 st grade teachers | CD 2 |
| Book 4 | Educational Measurement and Evaluation for 2 nd grade teachers | |
| Book 5 | Educational Measurement and Evaluation for 3 rd grade teachers | |
| Book 6 | Educational Measurement and Evaluation for 4 th grade teachers | CD 3 |
| Book 7 | Educational Measurement and Evaluation for 5 th grade teachers | |
| Book 8 | Educational Measurement and Evaluation for 6 th grade teachers | |
| Book 9 | Educational Measurement and Evaluation for 7 th -12 th grade teachers in Thai Language | CD 4 |
| Book 10 | Educational Measurement and Evaluation for 7 th -12 th grade teachers in Mathematics | CD 5 |
| Book 11 | Educational Measurement and Evaluation for 7 th -12 th grade teachers in Science | CD 6 |
| Book 12 | Educational Measurement and Evaluation for 7 th -12 th grade teachers in Social Science, religion, and culture | CD 7 |
| Book 13 | Educational Measurement and Evaluation for 7 th -12 th grade teachers in Health and Physical Education | CD 8 |
| Book 14 | Educational Measurement and Evaluation for 7 th -12 th grade teachers in Art | CD 9 |
| Book 15 | Educational Measurement and Evaluation for 7 th -12 th grade teachers in Career and Technology | CD 10 |
| Book 16 | Educational Measurement and Evaluation for 7 th -12 th grade teachers in English Language | CD 11 |

ABOUT OUR RESEARCH AND DEVELOPMENT

According to NIETS's experienced and well-trained officers (including specialists in examination administration, test development, and research), NIETS has the capacity to deliver a full range of professional reports and research studies. Such reports and research studies have been conducted to maintain and monitor the standards of national educational measurement and evaluation. Some recent reports and research studies are listed below:



Test Blueprint:

The National Institute of Educational Testing Service. (2008). O-NET test blueprint of 8 subject areas for the fourth level (secondary grades 4-6), the third level (secondary grades 1-3), and the second level (primary grades 4-6).
BKK: The National Institute of Educational Testing Service (public organization).

Test Analysis:

The National Institute of Educational Testing Service. (2008). Analysis of O-NET and A-NET tests for the fourth level (secondary grades 4-6), the third level (secondary grades 1-3), and the second level (primary grades 4-6).
BKK: The National Institute of Educational Testing Service (public organization).

Annual Report:

The National Institute of Educational Testing Service. (2008). Annual Report 2008. BKK: The National Institute of Educational Testing Service (public organization).

The National Institute of Educational Testing Service. (2007). Annual Report 2007. BKK: The National Institute of Educational Testing Service (public organization).

The National Institute of Educational Testing Service. (2006). Annual Report 2006. BKK: The National Institute of Educational Testing Service (public organization).

Others:

The National Institute of Educational Testing Service. (2009). The study of different test item formats. BKK: The National Institute of Educational Testing Service (public organization).

The National Institute of Educational Testing Service. (2008). The analysis of the university admission system. BKK: The National Institute of Educational Testing Service (public organization).

The National Institute of Educational Testing Service. (2007). The synthesis of concept and range of knowledge in 8 subject areas of the basic curriculum for four levels (grade 1 – grade 12). BKK: The National Institute of Educational Testing Service (public organization).

For further enquiries regarding our work, service, collaboration, please contact us as information provided below:

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