

KAAB 인증제도 개선 Series 1

미국 학점인정관련 제도 EESA-NCARB

이선영(서울시립대학교)

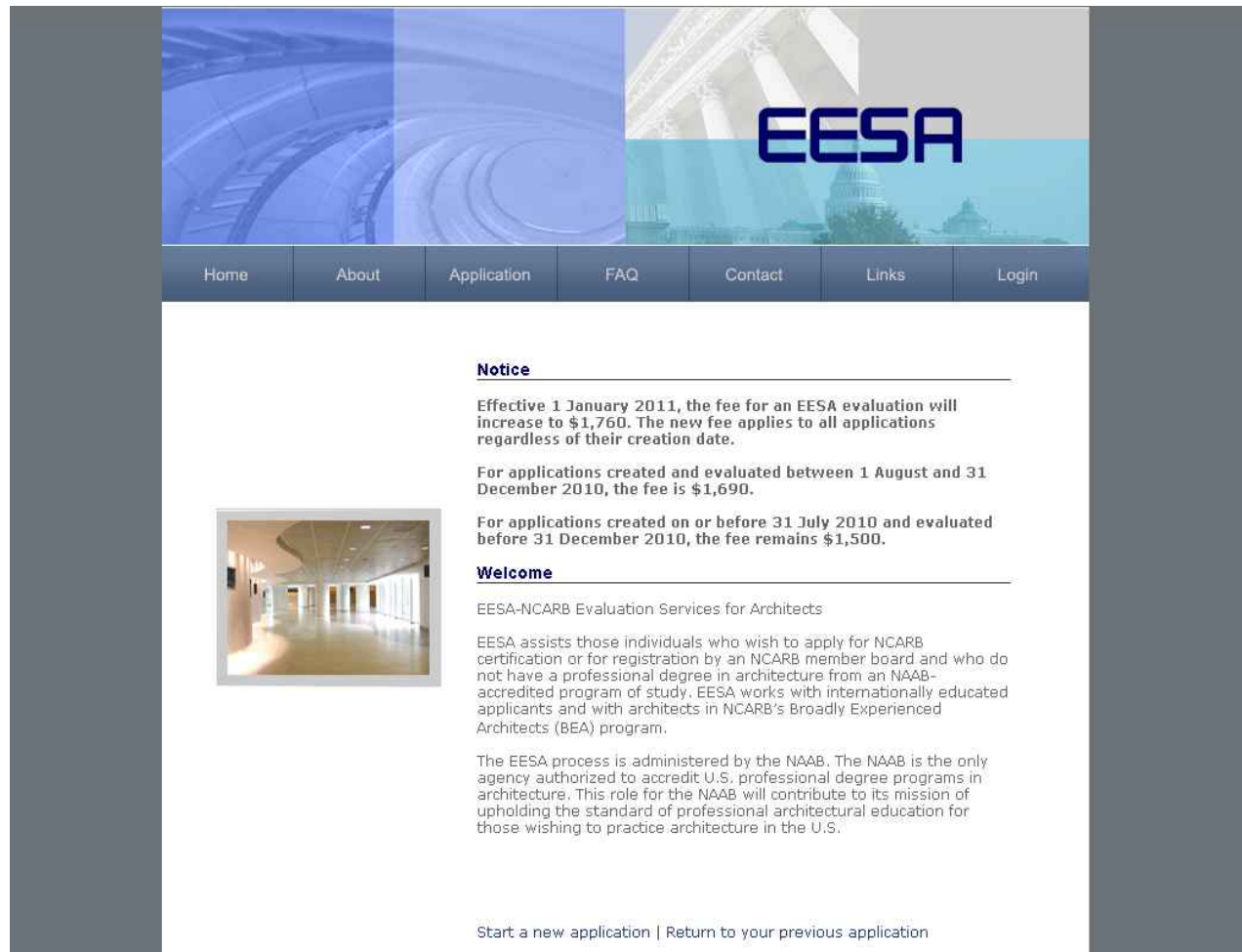


Member of Canberra Accord

UNESCO/UIA

I. EESA(Education Evaluation for Architects) 개요

- 미국의 건축학교육인증원인 NAAB의 관리하에 운영되는 조직
- NCARB의 인정을 받기위하여 인증을 받지 못한 대학에서 수학한 지원자들의 수학내 용에 대한 평가를 진행
- BEA-Broadly Experienced Architects Program 연계: 충분한 경험을 가지고 있어 학 위와 관계없이 그 자격을 동등하게 인정받고자 하는 건축사들에 대한 학력인정



EESA

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Notice

Effective 1 January 2011, the fee for an EESA evaluation will increase to \$1,760. The new fee applies to all applications regardless of their creation date.

For applications created and evaluated between 1 August and 31 December 2010, the fee is \$1,690.

For applications created on or before 31 July 2010 and evaluated before 31 December 2010, the fee remains \$1,500.

Welcome

EESA-NCARB Evaluation Services for Architects

EESA assists those individuals who wish to apply for NCARB certification or for registration by an NCARB member board and who do not have a professional degree in architecture from an NAAB-accredited program of study. EESA works with internationally educated applicants and with architects in NCARB's Broadly Experienced Architects (BEA) program.

The EESA process is administered by the NAAB. The NAAB is the only agency authorized to accredit U.S. professional degree programs in architecture. This role for the NAAB will contribute to its mission of upholding the standard of professional architectural education for those wishing to practice architecture in the U.S.

[Start a new application](#) | [Return to your previous application](#)



- ABOUT THE NAAB
- ACCREDITATION
- ARCHITECTURE PROGRAMS
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EESA

Education Evaluation Services for Architects (EESA-NCARB)

NAAB administers the EESA-NCARB program, which evaluates the credentials of foreign educated and broadly experienced architects against the NCARB Education Standard. EESA-NCARB provides assistance to individuals who do not have a professional degree in architecture from an NAAB-accredited school of architecture and who wish to either apply for NCARB certification or for registration by an NCARB member board.

To submit an application for an EESA evaluation click [here](#).



BECOMING AN ARCHITECT

STUDYING ARCHITECTURE

EXPERIENCE THROUGH INTERNSHIPS

ARCHITECT REGISTRATION EXAMINATION (ARE)

GETTING AN INITIAL LICENSE

CERTIFICATION AND RECIPROCITY

CONTINUING EDUCATION

CERTIFICATION OVERVIEW

VALUE OF AN NCARB CERTIFICATE

STANDARD PATH

ALTERNATE PATHS

RECIPROCITY OVERVIEW

INTERNATIONAL PRACTICE

EESA

CERTIFICATION OVERVIEW

Value of an NCARB Certificate

STANDARD PATH

ALTERNATE PATHS

RECIPROCITY OVERVIEW

INTERNATIONAL PRACTICE

EESA

EDUCATION EVALUATION SERVICES FOR ARCHITECTS (EESA)



Education Evaluation Services for Architects (EESA) is for architectural licensure or NCARB Certificate applicants who do not have a professional degree in architecture from a National Architectural Accrediting Board (NAAB)-accredited program. EESA evaluates your degree compared to the NCARB Education Standard and identifies any deficiencies. Administered by NAAB, this service is not affiliated with any architectural registration board.

Visit the [EESA web site](#) for more information and/or an application.

NCARB교육기준

NCARB-recognized Professional Degrees

NAAB-accredited Degree
CACB-accredited Degree, or
CACB-certified Canadian Degree

NCARB, EESA가 기본적으로 인정하는 전문학위의 종류

- B.Arch
- M.Arch
- Arch.D
- *Pre-professional Degree in Architecture*
- *Post-Professional Degree in related field NCARB에는 부적격이더라도 EESA의 평가절차를 통해 인정 가능*
- *미국이나 캐나다내의 전문학위 취득후 2년이내에 해당 프로그램이 인증을 받을 경우 기본적으로 NCARB교육기준만족*

지원서류

- 온라인으로 개인정보/연락처/학위정보/NCARB관련정보를 입력후 NAAB에 하드카피제출
 - 외국학위취득자의 경우 지원서/평가받고자하는 코스의 학점이 명시된 학위과정중의 성적증명서(번역/공증필요)
 - 학위증명서 (번역/공증필요)
 - 평가 받고자 하는 모든 개별 강좌의 과목개요
 - 지원비 \$1500
-
- *영어 외 언어로 되어있는 경우는 공증 가능한 법률가, 대사관의 번역본을 첨부하도록 요구*
 - *본인의 번역본은 불인정*

❖ 과목개요

- NAAB에서 인증한 프로그램에서 개설하는 강좌와의 내용상 동등한 정도를 파악할 수 있는 정도의 내용으로 작성되어 있어야 한다.
- 지원자들의 이해를 돕기 위하여 강좌의 과목개요에 대한 샘플이 홈페이지에 제공되며 이러한 강좌의 설명에 반드시 포함되어야 하는 요소들을 다음과 같이 포함하고 있다.
- 강좌번호
- 강좌명
- 선수과목
- 전공선택/전공필수 명시
- 수강학년
- 내용개요
- 학점
- 수강기간(Week)
- 개설학기
- 강의/설계스튜디오 명시
- 여러 개의 주제를 동시에 만족시키는 경우 개별 주제에 대한 비율

<과목개요 필수포함항목>

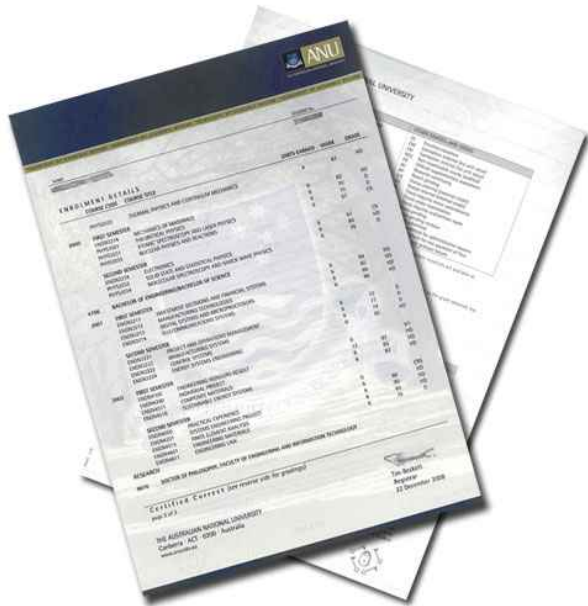
ARCH 424 – Social Aspects of Architecture

Prerequisite: Junior standing

Introduces theoretical approaches and research methods for examining the architecture of various environments (e.g., the home, workplace, healing centers, restaurants, etc.) in relation to inhabitants and users with varying characteristics (e.g., age, gender, occupation, ethnicity, etc.). The literature used in this course draws from the disciplines of environmental psychology, anthropology, sociology, and cross-cultural studies. In addition to lectures, readings and discussions, a semester-long student field research project is required. This case study approach provides students with an opportunity to combine theoretical knowledge with empirical investigation in generating architectural design criteria. Satisfies the Feinsein Service Learning Requirement in Architecture. (3 credits) Fall, Spring

- 강좌번호
- 강좌명
- 수강학년
- 전공선택/전공필수 명시
- 학점 명시
- 개설학기명시
- 선수과목 여부명시

❖ 성적증명서



- 성적증명서는 지원자가 평가받고자 하는 강좌를 이수한 교육기관에서 발급된 것이어야 하며 제출된 강좌명과 학점, 성적이 명시되어 있어야 한다.
- 강좌명이 달리 표기되어 있는 경우 이에 대한 해명이 요구된다.
- 성적증명서는 반드시 발급기관에서 직접 밀봉하여 송부할 것을 요구하고 있다.

❖ 포트폴리오



- 포트폴리오 제출은 옵션사항
- 반드시 정규과정에서 만들어진 작품일 것(학장/주임교수/담당교수 등의 확인서류 첨부)
- 최소한 졸업작품 (가장 최근의 프로젝트) 이나 학위과정 중 최종 2년간의 두 개 프로젝트를 수록
- BEA(Broadly Experienced Architects) 프로그램 지원자는 별도의 요구서류 포맷을 따라야 함. 8.5"x11", 11"x17"

❖ 이수학점에 대한 인정원칙

- 모든 학점은 학기제를 기본으로 한 것
- 쿼터제를 이수한 경우는 2/3에 해당하는 학점만을 인정
- 학위를 받지 않는 교육기관에서 수강한 강좌의 학점은 인정할 수 있음
- AP강좌나 Secondary교육기관의 것은 불인정

❖ 평가에 대한 이의제기

만족스럽지 않는 평가에 대해서는 한번 이의제기의 기회가 있다.

II. 미이수 교육내용에 대한 분야별 보완방식:

- 교육내용이 미비된 경우 이를 보완하려는 지원자를 위하여 수강이 가능한 방법을 몇 개 분야로 구분하여 다양한 교육기관 및 인정하는 시험으로 보완하도록 하고 있다.
- General Education분야
- History, Human Behavior and Environment분야
- Technical Systems 분야
- Practice분야
- Design분야

● General Education분야

- 1.지역의 인증을 취득한 대학교, 전문대학에서 강좌 수강
- 2.College Level Examination Program (CLEP) 을 통한 학점취득

- **NCARB 교육기준**

- 총 45 학점 요구
- 영작문은 3학점 이상
- 최소 42학점이 다음의 5개분야 중 하나이상에서 취득되어야 함.
 - English
 - Humanities
 - Mathematics
 - Natural Sciences
 - Social Studies

Humanities [HU]

Humanities is defined as the recognition, comprehension, analysis and interpretation of various forms of art and literature.

The following types of courses are not acceptable in this subject, but may be acceptable as electives: instrumental music, vocal music and performance courses in dance, film, opera, radio, television or theater. Studio art courses are NOT acceptable in this subject, but they may be acceptable in the design subject area or as electives.

Mathematics [MA]

Mathematics is defined as the logical study of quantity, form, arrangement and magnitude. It includes the methods for using rigorously defined self-consistent symbols to disclose the properties and exact relationships of quantities and magnitudes, either in the abstract or in their practical connections.

Acceptable courses include algebra, analytic geometry, calculus, differential equations, linear algebra, trigonometry and all courses for which calculus is a prerequisite.

The following types of courses are **NOT** acceptable in this subject, but may be acceptable as electives: business mathematics, discrete mathematics, finite mathematics, mathematics for business students, mathematics for teachers, probability, statistics and symbolic logic.

Natural Science [NS]

Natural science is defined as the study of the physical universe. Natural science is divided into two general areas: biological science and physical science.

Acceptable courses include astronomy, astrophysics, bacteriology, biochemistry, biology, botany, chemistry, geology, microbiology, physical geography, physics and zoology.

Courses in cultural geography or economic geography are NOT acceptable in this subject, but they are acceptable in the subject of social studies.

Social Studies [SS]

Social studies is defined as the analysis of economic, historical, political, psychological and sociological aspects of human society.

Acceptable courses include African American studies, anthropology, archaeology, area studies, Asian studies, cultural geography, economic geography, economics, Hispanic studies, history, Native American studies, political science, psychology, sociology and women's studies.

● English 에 대한 인정

English Composition
English Grammar & Speech

- 외국대학에서 이수한 영어관련 강좌에 대해 EESA는 NCARB의 교육기준에서 명시된 바를 언급하며 인정하지 않고 있음.
- 모국어로 영어를 쓰는 U.S., Canada, the UK, Australia and New Zealand에서의 영작문에 한하여 인정함.
- ESL에서의 영어수업은 Elective로 분류되므로 불인정.
- 영작문 3학점은 community college, university의 승인된 영어관련강좌, CLEP시험의 일정점수 이상취득을 통해서만 인정됨.

● History, Human Behavior, and Environment분야

NCARB 교육기준

- 최소 16학점을 다음분야에서 취득하여야 함.

History

Human Behavior

Environment

- NAAB or CACB에서 인증받은 건축학교육 프로그램에서 개설된 강좌이수
- 위의 요건이 불가능할 경우 NAAB에서 승인된 다른 프로그램의 강좌도 승인가능
- History, Human Behavior, 전공선택의 경우는 일반적인 전문대학이나 Community College의 것도 인정가능
- 해당대학에서 동등한 학점부여를 시험으로 대신하는 강좌를 개설하여 운영하는 경우 이 강좌가 공식적으로 해당 교육기관에서 발급하는 공식 성적증명서에 기재될 수 있는 학점이라는 전제하에 학점으로 산입 가능함.

● History, Human Behavior, and Environment 분야

NCARB 교육기준

- History 인정범위
 - historical movements in architecture,
 - history of architecture,
 - history of art and architecture,
 - history of building technology
 - theory of architecture.
- art history 분야는 인정되지 않으며 humanity로 분류
- cultural, economic, political history 분야는 인정되지 않으며 social study로 분류

● History, Human Behavior, and Environment분야

NCARB 교육기준

- Human Behavior 인정범위
 - ergonomics
 - human behavior
 - post-occupancy studies
 - social response to the environment.
- Environment 인정범위
 - landscape architecture
 - site analysis
 - site planning
 - urban planning (physical form and structure 관련)

● Technical Systems 분야

- NCARB 교육기준

최소 24학점을 다음의 분야에서 취득하여야 함:

Structural Systems (Min. 6 credits)

Environmental Control Systems (Min. 6 credits)

Construction Materials and Assemblies (Min. 6 credits)

나머지 6학점은 위의 3가지 분야 중 하나에 적용가능

● Technical Systems 분야

- NAAB or CACB에서 인증받은 건축학교육 프로그램에서 개설된 강좌이수
- 위의 요건이 불가능할 경우 NAAB에서 승인된 다른 프로그램의 강좌도 승인가능
- 지역의 대학에서 동등한 학점부여를 시험으로 대신하는 강좌를 개설하여 운영하는 경우 이 강좌가 공식적으로 해당 교육기관에서 발급하는 공식 성적증명서에 기재될 수 있는 학점이라는 전제하에 학점으로 산입 가능함.
- 단 일반적인 전문대학이나 커뮤니티 컬리지의 것은 불인정

- **Structural Systems 인정 가능과목**

- analysis of structural systems,
construction,
construction assemblies,
determinate and indeterminate systems,
equilibrium,
forces and force systems,
free body diagrams,
gravity, lateral forces, loads,
mechanics of materials,
resolution of external forces,
shear and bending moments,
sizing of structural members,
stability,
statics,
strength of materials,
stress and strain,
structural elements,
structural systems in wood, steel and concrete,
theory of structures.

- **Environmental Control Systems 인정가능 과목**

acoustics,
air conditioning,
building core systems,
energy,
energy efficiency,
energy transmission,
environmental systems,
Fire protection,
heating, lighting (natural and artificial),
plumbing, sanitary systems,
solar energy utilization,
Sound, and sustainability.

- **Construction Materials and Assemblies**
인정가능과목

building materials,
conservation of structures,
cost of materials,
detailing,
installation sequences,
materials and assemblies characteristics,
materials selection,
physical properties of materials.

● Practice 분야

NCARB 교육기준

- 최소 6학점을 다음 두 그룹 중 하나 혹은 두그룹에서 취득하여야 함.

- | Project Process(PP)
| Project Economics(PE) & Business Management(BM)
- | Laws and Regulation(LR)
| Construction Law

Project Process [PP]

Process is defined as the entire range of activities involved in a typical architectural design project as it moves from inception through completion of construction. These activities include not only those which the architect carries out, but also those of other professionals.

Acceptable topics include bidding and negotiation, client relationships, construction documents, contracts, design development, problem identification, project management, programming, site analysis and specifications.

Project Economics [PE]

Project Economics is defined as the financial aspects of building, including the economics of development.

Acceptable topics include building costs, cost and benefit analysis, cost control, development costs, estimating, finance, life cycle costing, site acquisition and development and value engineering.

Business Management [BM]

Business Management is defined as the concepts, ethics and procedures related to different forms of organization for architectural practice, including private and corporate offices and also public sector organizations and agencies.

Acceptable topics include business management, financial management, office management, office organization, legal agreements, negotiating legal agreements, professional liability and professional rules of conduct.

Laws and Regulations [LR]

Laws and Regulations is defined as the body of common law, legislation and regulation in the United States, including rules of professional conduct which affect architectural practice.

Acceptable topics include barrier-free design, building codes, laws affecting architectural practice, life safety systems, professional liability, professional registration, professional rules of conduct, tax laws and zoning regulations.

● Design 분야

NCARB 교육기준

최소 50학점을 이수해야하며 다음과 같은 5단계를 거쳐야 함.
각 단계별로 최소8학점, 최대12학점이 이수되어야 인정됨.

Level I [DI]: Individual learning experiences within a non-building spatial context; beginning user consciousness with a familiarity of spatial analysis, design process methodology and development of communication skills; design literacy.

설계의 기본적인
커뮤니케이션
그래픽/디지털/사
진/아트 포함가능

Level II [DII]: The foundation sequence continues with greater emphasis on the environment, user space study and further skill development; introduction of qualitative technical materials; a minimum proficiency in the design and communication of simple buildings with an introductory understanding of construction and structural systems; data analysis, programming, site analysis and design.

재료/구조의 이해,
대지분석, 데이터
의 취급 및 프로그
래밍

Level III [DIII]: Simple and complex building case studies with qualitative technical input; individual and group projects; total building synthesis developed; a general proficiency in the complete design of simple buildings with a minimum ability to deal with complex buildings and multi-building complexes; site analysis and design.

기본적인 건물의
통합/ 복합건물

Level IV [DIV]: The synthesis of complex building and multi-building complexes within the urban context; integration of technical information; general proficiency in the total synthesis of complex buildings and related systems; transportation, communication and social ramifications of planning and architecture.

도시적 맥락의 복합
건물/ 테크놀러지/
건조환경의 사회적
영향

Level V [DV]: Project emphasis on complex building design, planning and urban design; Level V work must indicate a mastery of data collection, analysis, programming, planning, building design, structures, building systems, landscape design and other related knowledge.

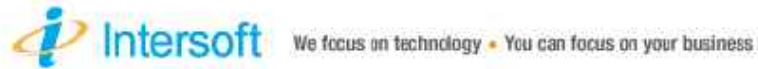
플래닝/구조/빌딩시
스템/조경등 관련분
야의 통합

● Design 분야

- NAAB or CACB에서 인증받은 건축학교육 프로그램에서 개설된 강좌이수
- 캠퍼스내에서 혹은 외부에서 진행되는 스튜디오 모두 인정되나 설계교원에 의하여 관리되고 모니터링되는 스튜디오일 것
- 캠퍼스내에서 혹은 외부에서 진행되는 스튜디오는 학점으로 승인되는 강좌여야 인정.

III. 기타 교육내용에 대한 보완방법

1. CLEP Examination를 통한 보완
2. 미국내 Masters degree를 통한 보완
3. 외국의 Masters Degree에 대한 인정
4. 전공선택의 인정분야(24학점까지 인정)
 - Architecture
 - Business Administration
 - Computer Science
 - Engineering
 - Interior Design
 - Law
 - Public Administration



Edit Application ([View](#))

Personal Info	Contact Info	Educational Info	NCARB & Other Info
First Name*	<input type="text"/>		
Middle Name	<input type="text"/>		
Family Name*	<input type="text"/>		
Gender*	Male	<input type="checkbox"/>	

•개인정보

Edit Application [\(View\)](#)

Personal Info **Contact Info** Educational Info NCARB & Other Info

Addresses

Address Type Home

Street Address*
8210 Payton

City Province/State Zip
irvine ca 92620

Country
United States

Is Primary

Phone Numbers (Voice)

Phone Number	Phone Type	Is Primary
	Cell	<input type="checkbox"/>
	Home	<input type="checkbox"/>
	Work	<input type="checkbox"/>

Fax

Email Addresses

Email	Email Type	Is Primary
junsuk21@gmail.com	Personal <input checked="" type="radio"/>	<input checked="" type="checkbox"/>
	-Select- <input type="radio"/>	<input type="checkbox"/>

Save

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Educational Questions

Do you hold a degree that allows you to be licensed to practice architecture in that country?*

No

Yes

Did you graduate after January 1, 2010?*

No

Yes

Institutions Attended [\[Learn More\]](#)

No Records Found

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- 전문학위 취득여부확인절차
- 전문학위 취득시점



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NCARB and Other Info

EESA Application ID 15353

NCARB Number [?](#)

Applying for BEA? [?](#)

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THANK YOU!

