BORYS GRINCHENKO KYIV UNIVERSITY

"APPROVED" the decision of the Academic Council of Borys Grinchenko Kyiv University 23.03.2017, Minutes No. 3

Chairman of the Academic Council, Rector
______ V. Ogneviuk

ACADEMIC PROFESSIONAL PROGRAM

029.00.02 "Information, Library and Information Science"

the first (bachelor's) level of higher education

Branch of knowledge: 02 Art and Culture

Specialty: 029 Information, Library and Information Science Qualification: Master of Information, Library and Archives

Launched on 01.09. 2017 (Order from 26.05.2017 p. Number 348)

Letter of approval

The Minutes from 03.16.2017, No. 7 Head of the Department	A. Voskoboynikova- Huzyeva
Academic Council of the Institute of Journalism The Minutes from 03.22.2017, No. 7	
Chairman of the Scientific Council	G. Gorbenko
Scientific-methodological center of standardization and quality of education Head of the Center	
Vice-Rector on Academic Affairs 2017	O. Zhyltsov

INREODUCTION

Academic professional program is developed according to the Law of Ukraine "On Higher Education" with the draft standard 029 specialty Information, Library and Archive Science for the second (master's) level.

Developed by a working group consisting of:

- **O.** Voskoboynikova-Huzyeva, Doctor in Social Communication, Ph.D., Head of Library and Information Department
- M. Makarova, Candidate of Sciences in Cultural Studies, Associate Professor of Library and Information Department
- **Z. Sverdlik** , Candidate of Historical Sciences., Assistant Professor of Library and Information Department

External reviewers:

- **A. Solyanik**, Doctor of Pedagogy, Professor, Head of Documentation and Book Science in Kharkiv State Academy of Culture;
- M. Senchenko, Doctor of Technical Sciences, Professor, Director of the State Scientific Institution "Ivan Fedorov Ukrainian Book Chamber"

Reviews of professional associations / employers:

I. Shevchenko, President of Ukrainian Library Association, Candidate of Pedagogical Sciences, Associate Professor, Honored Worker of Ukraine, Director of the continuous Cultural and Artistic Education of the National Academy of Culture and Arts

The Programme has been launched since 2017.

The term for reviewing the program is once every 2 years.

Reviewed

Revision Date / amendments	Minutes from 20.04.2018.	
Signature		
APP guarantor name	O. Voskoboynikova - Huzyeva	

I. Profile of the Program

029 Information, Library and Archive Science

1 - General Information					
Full name of the higher	Borys Grinchenko Kyiv University				
educational institution	Institute of journalism				
and the structural unit					
Level of the higher education	Bachelor;				
and the qualification (in	Bachelor of Information, Library and Archives				
original language)					
Official title of	029.00.02 "Information, Library and Archives Science"				
the Program					
-	Bachelor's degree, unitary, 240 credits				
of the Program	term of study - 3 year 10 months				
Accreditation	The accreditation commission.				
	Ukraine.				
	Certificate - Series UK number 1187354				
Cools / Land	Validity -to 07/01/2021.				
Cycle / Level	Ukraine NLC – 7th level,				
	FQ-EHEA - first cycle,				
Duomoguisitos	EQF-LLL – 6th level Certificate of full secondary education				
Prerequisites 6 To 11	•				
Language (s) of Teaching	Ukrainian				
Validity of Educational	Valid to 07/01/2021.				
programs					
Internet address of the	http://kubg.edu.ua/				
Educational program	2 - The Program Objectives				
The aim of the Programme is	to prepare professionals in information and library areas with, that can				
	ms and specialized practical problems in socio-cultural, educational and				
scientific sphere due to the futu					
servine sphere are to the rece	3 - Characteristics of the program				
Subject area	Culture and art; Information, Library and Archives Science				
	The ratio of compulsory and elective parts:				
	- general and special (professional) competencies in the specialty - 180				
	ECTS credits (75%);				
	- specialization - 60 ECTS credits (25%),: free choice subject - 20				
	ECTS credits. The share of practice: 45 ECTS credits (19%)				
The Program data	Academic Professional Program				
	The program has an applied focus, aimed at training professional with				
	information activities for scientific, educational, cultural and				
	communication fields of activity				
The main focus of the	Special education in the field of information, library and archives				
program and specialization					
Features					
4 – Eligibility	y of graduates for employment and further education				
Employment Eligibility	Jobs in libraries, museums and archives; information and resource				
	centers; Information-analytical services government agencies, private				
	companies, educational institutions; Marketing departments in				
	institutions of social sphere.				

	According to the National classification of professions DK 003: 2010
	professionals who have been educated by the educational program
	"Information, Library and Archive Science" can occupy the following
	positions:
	343 - technical specialists in the field of management; 3431 - secretaries of administrative bodies;
	2431 - keepers and archivists in museums and libraries;
	2432 - professionals in sphere of library business and film programs;
	2433 - professionals and information analysts;
	3434.1 - assistant heads of enterprises, institutions and organizations;
	3435 – accountancy organizers;
	3435.1 - accountancy organizers (state institutions);
	3435.2 - accountancy organizers (culture);
	3436 – manager assistant; 3436.1 - assistant head of the enterprises (institution, organization);
	3436.1 – personal assistant;
	3436.2 - assistant head of another main unit;
	3436.3 - assistant head of a small enterprise without a device
	information analysis;
	4141 - archivist;
	4141 - bureau (office) employee (library);
	4141 - bureau (office) officer (documents copying);
	4141 - bureau (office) employee (document systematization);
	4141 - bureau (office) employee (photocopying); 4141 - information material handler;
	4141 - collector of reference and information material;
	Professional titles for International Standard Classification of
	Occupations 2008 (ISCO-08):
	33 - Business and administration associate professionals (professional
	in business and administration)
	333 - Business services agents (business representative)
	334 - Administrative and specialized secretaries (administrative and
D. d	special secretaries)
Further training	Further education at the second (Master's) level in information activities of libraries, archives and related sciences.
	5 - Teaching and Assessment
Teaching and Education	Student-centered method is based on principles and individual and
	personal approach; implemented through training through research,
	strengthening the practical orientation and creative direction in the
	form of a combination of lectures, workshops, independent learning
	and research with elements of distance learning projects, work
	placements, training and protection of educational and academic
Assessment	practices and course papers. Accumulation of score-rating system that provides student assessment
Assessment	for all types of classroom and outside the classroom educational
	activities (current, modular, final control). Module tests, general tests,
	defense of practice reports, written examinations, complex exam.
	6 - Program competences
Integrated	The ability to solve complex and specialized tasks practical problems
competence	in the field of information, library and archives or in the process of
	learning that involves the use of methods of the provision of
	information and techniques, library and archives and characterized by
	complexity and uncertainty conditions.

General competencies (GC)	GC-1	Critical thinking. The ability to analyze, verify, assess the completeness and accuracy of information in the course of professional activities as necessary to complement and synthesize the missing information; the ability to adapt your thinking to solve problems under changed circumstances or non-standard situations.
	GC-2	Formation of judgments and right decisions. Ability to apply knowledge in practical situations. Understanding of professional activity and chosen subject area. Ability to make grounded decisions. The ability to be well-oriented in every situation and be able to find different solutions; formulate the task and have personal standpoint, to be able to choose the valid solution onto the problem, be able to analyze, comprehend and represent the results in proper way.
	GC-3	Communication. Ability to written and oral communication in Ukrainian and at least one of the common European languages; ability to speak clearly and to be convincing; to be able to use modern informational and communicative technologies
	GC-4	Cognitive Flexibility. Ability to find comprehensive solution to the problem. Ability to find, process and analyze information from various information resources (electronic, written, archival and oral) to perform precise practical tasks.
	GC-5	Ability to assess and ensure the quality of work
	GC-6	Interaction and negotiation . Ability to work in a team. Ability to communicate with representatives of other professional groups (experts from other fields of knowledge / types of economic activity).
Professional competencies (PC)	PC-1	Providing selection, analysis, evaluation, systematization, monitoring, organization, storage, distribution and provision of information and knowledge in any form. Analytical and synthetic processing of documents and information, to be able to prepare relevant analytical reviews, abstracts of scientific articles and monographs.
	PC-2	Ability to use the methods of systematization, research, preservation and classification of information for different which are intended for various media (content). To be able to correlate with issues which are related to development and implementation of technological processes of systematization, processing, acquisition, saving the data (funds) on various media; ability to provide various information and librarian services to user.
	PC-3	Applying modern computer technologies and software for solving professional tasks. Implementing information technologies to solve practical problems within library and information industry; ability to use specific methods of documents bibliography, annotation and referencing, methods of systematization, subject-matter and coordinate indexing of documents; the ability to conduct informational monitoring on the basis of Internet resources for precise queries.
	PC-4	Ability to analyze consistent pattern of document flow, files and electronic data.
1	PC-5	Creating precise, concise and accurate management

	-	
	PC-6 PC-7	documentation in accordance with current standard. To be well-oriented in library-informational and archival legislation, state's authorities documents and administration charters of various information agencies; ability to provide operations which are related with the conversion of resource into products; possibility to compile statistical and informational reports on the basis of standard methods, to kee records; to create conditions for improving the staff's cultural eligibility, its continuing education. Maintaining business communication with all subjects of the information market, users, partners, bodies of authorities and management, mass media. Ability to implement innovative technologies for the production of information products and services, improving the quality of information services for libraries and archives users.
	PC-8	Designing and creating informational systems, resources products, systems and services Ability to apply the knowledge related with main marketing components of library information products and services Ability to create various texts of informational advertising (in print, print, street and transport advertising, radio advertising TV commercials); the ability to form a public opinion about libraries, archives, to coordinate operationally the structure and content of additional paid services in accordance with situational (conjunctures) changes in the external environment and internal work of the library, archive, information center.
	PC-9	Ability to use and improve automated information retrieval systems, organize digital archives, electronic libraries, problem-oriented thematic databases and data banks. Ability to use regulated sources of information, methods, strategies and means of its processing and saving; ability to apply the are related with usage of the acquisition methods, bookstore repertoire, book distribution companies, information and publishing centers, as well as knowledge of information and bibliographic editions, (acquisition departments of national, public, scientific, special libraries, children's, school, archives.
Additional professional competence (APC)		Ability to further education with a high level of autonomy. For specialization "archival studies". Research and development of methodological and organizational foundations of archival affairs, envisaged by the curriculum in the framework of this specialization.
		For specialization "document studies". Ability to use skills which are related with exploration of formation and functioning of the documents, the exploration of which is allowed by curriculum within the framework of the designated specialties, in addition to the usage of separate computer programs and information technology.
	/ - I	Program Educational Results
Knowledge and understandi	ng PER- K-1	Ability to use the knowledge of information analysis with the subsequent ability to synthesize new implementations based on logical arguments and verified facts.

1		
	PER-	Ability to use the knowledge of legal and ethical relations and
	K-2	the basics of psychological peculiarities of behavior.
	PER-	Understanding contemporary situation in a mass
	K-3	communication within information society; awareness in legal
		norms, legislative settings in the library-informative industry;
		awareness of development processes and functioning of
		Ukrainian and foreign libraries, archives.
	PER-	Awareness about personality psycho-types, sociological types;
	K-4	ability to use various types of consciousness impacts; the
		ability to apply technology of forming public opinion, general
		awareness in professional terminology.
	PER-	Ability to understand interdisciplinary connections, the ability
	K-5	to find out the essence of the same concept (process,
		phenomenon) from the standpoint of information, library and
		archival subject.
	PER-	To be awareness about the basic principles and concepts of
	K-6	development of informational, library and archive science.
	PER-	Providing professional communication in native language in
	K-7	various spheres (public life) and the ability to communicate in
		foreign languages (at least one)
Applying knowledge and	PER-I-	Conducting research on documental problems using
insights	1	appropriate scientific methods.
	PER-I-	
	2	(traditional and electronic form).
	PER-I-	Ability to carry out all possible types of secondary information
	3	researches in information systems and networks.
	PER-I-	
	4	information industry (preparation of analytical certificates,
		express surveys, questionnaires).
	PER-I-	
	5	organizations towards the library activities, particularly, with
		book sharing and book publishing firms of various ownership
		forms with the purpose of current library fund acquisition.
	PER-I-	
	6	categories.
	_	Ability to use rational research methods and use scientific and
	7	technical information, including electronic means of
		information networks, ability to use informational resources,
		including digital ones.
		Planning and conducting marketing research to use and revise
	8	results for practical activities of the library and archive, and on
		the stage of developing a strategy for their activity.
	PER-I-	Ability to form document flow, conduct analytical-synthetic
	9	processing, ability to perform documental systematization and
		cataloging, ability to conduct referential bibliographic and
		graphic service
	PER-I-	Ability to form the system of sectoral bibliographic and
	10	informational resources (traditional and digital).
	PER-I-	Ability to determine the classification numbers for documents,
	11	using classification tables, rubricates classifiers, thesauruses,
		etc.

	PER-I-	Analyzing international software for the creation of global and
	12	local networks (systems).
	PER-I-	Ability to provide library with the Internet and ability to serve
	13	the users (with the help of latest technologies).
	PER-I- 14	Ability to organize library fund, archive and information centers.
	PER-I-	Ability to keep registration forms of documents.
	15 PER-I-	Conducting current and retrospective acquisition of the library
	16	fund; ability to accept, register, and process the acquired documents, which were addressed to library or archive.
	PER-I-	Ability to set up mass events of information service, ability to
	17	use different forms of library communication.
	PER-I-	Ability to formulate and execute orders, commands, other
	18	organizational and reference information documents in a proper way; to participate in the development of regulations towards structural units, job descriptions; organize reception of materials and documents, their registration and accountancy.
Additional program	A-	(additional information for specialization "archival studies").
educational results	PER-1	Ability to use the methods of subjects, which covers the
		political, scientific, legal and practical issues of organization of
		archival documents and working institutions.
	A-	(additional information for specialization " document studies")
	PER-2	Ability to use the subject methods, which have been
		developing on the basis of the theory of information activity as one of the new scientific modern directions, determines that
		any necessary society activity is based on the information
		process.
8 - Resor	urce sup	port for the Programme Implementation
Staff support		Staffing educational program consists of the faculty of the Department of Library And Information, Institute of Journalism. By teaching particular subjects according to their competence and experience of the involved faculty
		departments Ukrainian language; English language philosophy; advertising and public relations.
		Dagadiaaller aniandad altt
		broad participation of practitioners that directly correspond to
		broad participation of practitioners that directly correspond to the program that enhances the synergistic relationship of
Resources		broad participation of practitioners that directly correspond to the program that enhances the synergistic relationship of theoretical and practical training.
Resources and technical support		broad participation of practitioners that directly correspond to the program that enhances the synergistic relationship of theoretical and practical training.
and technical support		broad participation of practitioners that directly correspond to the program that enhances the synergistic relationship of theoretical and practical training. Equipped with special hardware and software computer classes.
		broad participation of practitioners that directly correspond to the program that enhances the synergistic relationship of theoretical and practical training. Equipped with special hardware and software computer classes. Library electronic resources, electronic scientific publications.
and technical support Information and educational		broad participation of practitioners that directly correspond to the program that enhances the synergistic relationship of theoretical and practical training. Equipped with special hardware and software computer classes. Library electronic resources, electronic scientific publications e-learning courses with the possibility of distance learning and
and technical support Information and educational		broad participation of practitioners that directly correspond to the program that enhances the synergistic relationship of theoretical and practical training. Equipped with special hardware and software computer classes. Library electronic resources, electronic scientific publications e-learning courses with the possibility of distance learning and self-study, cloud services Microsoft.
and technical support Information and educational support	_	Equipped with special hardware and software computer classes. Library electronic resources, electronic scientific publications, e-learning courses with the possibility of distance learning and self-study, cloud services Microsoft.

II. The list of program components and their logical sequence

2.1. List of components

Code e/d	Components of the programme (training courses, course	Amount of	The form of
Code e/d	projects (papers), practice, qualifying paper)	credits	control
1	2	3	4
	Compulsory components		
	Formation of general competencies		
CSG.01	University studies	4	credit
CSG.02	Ukranian studies	6	exam
CSG.03	Philosophical studies	4	exam
CSG.04	Physical education	4	credit, credit
	Formation of specialty (professional) competer	nce	
CSP.01	Modern informational systems and technologies within library, archival and information	6	exam
CSP.02	Foreign language for professional purposes	13	credit, credit
CSF.02	Poleigh language for professional purposes	13	,
CSP.03	History of Ukranian and foreign literature	4	exam, exam credit
CSP.03	History of world culture	4	credit
CSP.04 CSP.05	Social communications	4	credit
CSP.05 CSP.06	12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
	Bibliography Studies	4	credit
CSP.07	Library science. History of library science	8	credit, exam
CSP.08	Document Studies	5	exam
CSP.09	Bibliographic studies. Bibliographic activity	7	credit, exam
CSP.10	Analytical and synthetic processing (cataloging) of documents	6	exam
CSP.11	Science Studies	4	credit
CSP.12	Archival Studies	5	exam
CSP.13	International informational resources	4	credit
CSP.14	Funds Studies	5	exam
CSP.15	Information service for libraries, archives and information	5	exam
CSP.16	users Management of the library-informational and archival industries	6	exam
CSP.17	Marketing of information products and services	4	credit
CSP.18	Automatisation of library and libliographic Processes and archival technologies	5	exam
CSP.19	State information policy	4	credit
CSP.20	Intellectual freedom and access to information	4	exam
CSP. 21	Project activity of libraries, archives and informational institutions	5	exam
CSP. 22	International information cooperation	4	credit
CSP.23	Coursework in documentary studies, library science, archival studies	2	credit
CSP.24	Course work in library and archival technologies	2	credit
Total	,	120	-
CD 01	Practice Practice	2	1*.
CP.01	Educational (library)	3	credit
CP.02	Educational (archival)	3	credit
CP.03	Internship (technological)	12	credit

CP.04	Internship (organisational)	15	credit					
Total		33	-					
Certification								
CA.1	Complex exam in major subjects (CSP.07-10, CSP.12	1,5						
	Bachelor`s Paper preparation	6						
CA.2	Bachelor's Paper defense (CSP.15-18, CSP 21-22)	1,5						
Total amou	int of components:		180					
	Elective components							
	elective block 1 (specialisation «Archival studie	es»)						
ESS.1.01	History of archival studies	4	exam					
ESS.1.02	Documentation managment	4	credit					
ESS.1.03	Research and methodological work in the archives	4	credit					
ESS.1.04	Archival informational systems	4	exam					
ESS.1.05	Technotronic archives	4	exam					
ESS.1.06	Foreign archives and foreign fund Ukrainika	4	credit					
ESS.1.07	Information in archival studies	4	credit					
EP.1.02	Internship practice in minor	12	credit, credit					
ES.1	Choice from subjects catalog	20	creditи					
Total (by sp	pecialsation)	60						
	elective block 2 (specialisation «document studi	es»)						
ESS.2.01	Governance studies	4	credit					
ESS.2.02	Administrative document science	4	exam					
ESS.2.03	Special document science	4	credit					
ESS.2.04	Documentation management	4	exam					
ESS.2.05	E-governance studies	4	exam					
ESS.2.06	Informational management assurance	4	credit					
ESS.2.07	Informational technologies in document studies	4	credit					
EP.2.02	Internship practice in minor	12	credit, credit					
ES.2	Choice from subjects catalog	20	creditи					
	pecialisation)	60						
Total amou	int of elective components		60					
PROGRAM	M TOTAL		240					

III. Graduates' Certification

The certification of graduates of the program 029 Information, Library and Archive Science is performed in the form of public defense of qualification bachelor's paper in the major. Graduates receive standard certificate with the qualification "Bachelor of information, library and archives."

Attestation of graduates is open and public.

2.2. Structural and logical framework

1 year		2nd year		3d year		4th year	
			General competenci	es			
University studies							
4 cred.							
U.	kranian studies						
	6 cred.			Philosho	pical studies		
					cred.		
Phy	ysical education						
2 cred.	2 cred.						
			Professional competen	cies			
	Modern informational systems a infor	and technologies within li mation activities	brary, archival and				
	2 cred.	2 cred.	2 cred.				
		eign language for professi					
2 cred.	2 cred.	2 cred.	2 cred.	2 cred.	3 cred.		
	History of Ukrainian and for						
	1 cred.	3 c	red.				
History of world culture 4 cred.							
	Social communications 4 cred.						
	Bibliography Studies 4 cred.						
	brary science. History of library science						
3 cred.	3 cred.	2 cred.					
Document studies 5 cred.							
	Bibliographic study. Bibliog						
	3 cred.	4 cred.					
	nd synthetic processing (cataloging) of	documents					
3 cred.	3 cred.						
		Science	studies				
		2 cred.	2 cred.		_		

			Archival stud	ies 5 (cred).					
			International in						
			resources	(4 cred).					
						Funds Studies 5 (cred).			
			Information sem	vice for librarie	es, archives and information				
			institutions user		s, archives and information				
			institutions users						
			1 cred.		4 cred.				
							Management of the library-		
							informational and archival		
							industries (6 cred.)		
			-			Marketing of information			
						products and services (4			
						cred)			
					Automatisation of library and	libliographic Processes and			
					archival tec	chnologies			
					3 cred.	2 cred.			
							State information policy (2		
							cred.)		
							cred.)		
	Intellectual freedom and access to	0							
	information (4 cred.)								
					1	Project activity of			
						libraries, archives and			
						informational			
						institutions (5 cred.)			
							International information		
				Course ren	or in documentary		cooperation (4 cred.)		
				studies libr	per in documentary ary science,archival				
				studies (2 c	ered.)				
							Course paper in library and archival		
							and archival		
							technologies (2 cred.)		
	1	ı			Practice		T	T	1
1				Educationa	ıl (library) (3 cred.)				

						Educational (archival) (3 cred.)				
							Internship in minor (12 cred.)			
								Internship (organisational) (15 cred.)		
Certification										
								Complex exam in major (CSP.07-10, CSP.12 (1.5 cred)		
								Bachelor`s Paper preparation (6 cred.)		
								Bachelor's Paper defense (CSP.15-18, CSP 21-22) (1.5 cred.)		

V.Matrix of Program competencies

	CSG.01	CSG.02	CSG.03	CSG.04	CSP.01	CSP.02	CSP.03	CSP.04	CSP.05	CSP.06	CSP.07	CSP.08	CSP.09	CSP.10	CSP.11	CSP.12	CSP.13	CSP.14	CSP.15	CSP.16	CSP.17	CSP.18	CSP.19	CSP.20	CSP.21	CSP.22	CSP.23	CSP.24	CP.01	CP.02	CP.03	CP.04	ES.1	ES.2
GC1																																		
GC2	•	•					•	•	•						•								•			•			•	•				
GC3																																		
GC4					•				•					•	•	•					•				•		•	•		•	•	•	•	•
GC5	•			•		•			•		•				•	•		•	•	•	•	•		•	•	•	•		•	•		•	•	•
GC6				•		•			•		•		•						•	•	•				•	•			•	•		•		
FC1							•	•	•		•	•	•	•	•	•	•	•	•	•	•		•		•	•	•		•	•		•	•	•
FC2					•							•		•		•	•	•	•			•		•			•	•			•		•	•
FC3					•				•				•					•		•	•				•		•	•		•	•	•	•	•
FC4			•		•				•				•							•	•				•		•			•	•			
FC5	•					•			•		•	•				•		•	•	•						•		•	•			•	•	•
FC6	•	•	•		•	•						•	•			•	•		•			•	•	•		•	•	•		•	•		•	•
AFC1																																	•	
AFC2																																		•

V. Matrix of program learning outcomes (PER)

	CSG.01	CSG.02	CSG.03	CSG.04	CSP.01	CSP.02	CSP.03	CSP.04	CSP.05	CSP.06	CSP.07	CSP.08	CSP.09	CSP.10	CSP.11	CSP.12	CSP.13	CSP.14	CSP.15	CSP.16	CSP.17	CSP.18	CSP.19	CSP.20	CSP.21	CSP.22	CSP.23	CSP.24	CP.01	CP.02	CP.03	CP.04	ES.1	ES.2
K-1	•	•	•				•	•						•	•			•				•		•			•	•	•	•	•		•	•
K -2	•		•			•	•	•	•										•	•	•				•	•			•	•		•	•	•
K -3	•					•			•						•			•		•			•			•	•		•	•		•		
K -4	•		•		•	•			•											•	•				•		•			•				
K -5	•		•							•	•	•	•	•		•	•	•	•								•			•		•	•	•
K -6											•	•				•		•									•		•				•	
I-1												•			•	•											•							•
I -2					•									•		•			•			•		•			•	•		•	•			
I -3		•			•									•			•					•		•				•		•	•			
I -4														•	•				•								•			•		•		
I -5														•												•								
I -6												•				•											•		•				•	•
I -7		•			•				•			•					•				•	•		•	•	•	•	•	•	•	•			
I -8																					•				•							•	•	
I -9												•		•													•							
I -10					•						•											•		•				•			•			
I -11														•				•									•				•			
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