

Ministry of Education and Science of Ukraine
National Technical University of Ukraine
«Igor Sikorsky Kyiv Polytechnic Institute»

APPROVED

Academic Council of

Igor Sikorsky Kyiv Polytechnic Institute

(protocol 6 from 07.09.2020)

the Chairman of the Academic Council

_____ **Mykhailo ILCHENKO**

PSYCHOLOGY

EDUCATIONAL AND SCIENTIFIC PROGRAM

The third-level education

in specialty 053 PSYCHOLOGY

the field of knowledge 05 Social and Behavioral sciences

Qualification: Doctor of Philosophy

Rector's order

from 17.09.2020 № 1/282

Kyiv 2020

PREAMBLE

DEVELOPED by project group

Head of project team

Volianiuk Nataliia, doctor of Psychological Sciences, professor,

Head of the Department of Psychology and Pedagogy _____

Members of project team

Lozhkin Heorgii doctor of Psychological Sciences,

professor of the Department of Psychology and Pedagogy _____

Blokhina Iryna, PHD in Psychological Sciences,

associate Professor of Psychology and Pedagogy _____

Kononets Maria, PHD in Psychological Sciences

associate Professor of Psychology and Pedagogy. _____

Moskalenko Olga, PHD in Psychological Sciences,

senior lecturer of the Department of Psychology and Pedagogy. _____

Head of the Department of Psychology and Pedagogy.

Volianiuk Nataliia, doctor of Psychological Sciences, professor. _____

AGREED

Scientific and methodical commission of National Technical University of Ukraine «Igor Sikorsky Kyiv Polytechnic Institute» on specialty 053 Psychology

Head of the Scientific and methodical commission _____ Nataliia VOLIANIUK

(protocol № 1 from 31.08.2020)

Methodical Council of National Technical University of Ukraine «Igor Sikorsky Kyiv Polytechnic Institute»

Head of the Methodical Council _____ Yuriy Yakymenko

(protocol №1 from 03.09.2020) ACCOUNTED

The educational and scientific program

was developed:

- specialists of the educational and methodical department National Technical University of Ukraine «Igor Sikorsky Kyiv Polytechnic Institute»;
- Psychology specialists;
- graduate students

The educational and scientific program

was discussed after receiving all the wishes of stakeholders and approved at an extended session

- department of psychology and pedagogy (protocol № 1 from 31.08. 2020):
- Ukrainian Association of Environmental Psychological Assistance

Reviews of stakeholders are attached.

Institutions and Associations, which provide reviews on the education and research program:

H.S. Kostyuk Institute of Psychology of the NAES of Ukraine.

Ph.D. candidates who were directly involved in the development of the program: O.

Bokovets, O. Bortun.

1 - General information	
Full name of the university and institute / faculty	National Technical University of Ukraine «Igor Sikorsky Kyiv Polytechnic Institute», Faculty of Sociology and Law
Degree of higher education and title of qualification in the original language	Degree of higher education - Doctor of Philosophy Qualification - Doctor of Philosophy in Psychology
The official name of the educational program	Educational program Psychology of the third (educational and research) level of higher education
Type of diploma and scope of educational program	Diploma of Doctor of Philosophy Educational component - 40 ECTS credits, training period 4 years The scientific component involves conducting your own research and design of its results in the form of a dissertation.
Availability of accreditation	Accreditation is expected in 2021
Cycle / level of higher education	NRC of Ukraine - 9th level QF-EHEA - third cycle EQF-LLL - level 8.
Prerequisites	Master's degree
Language (s) of instruction	Ukrainian / English
Duration of the educational program	Until the next accreditation
Internet address of the permanent placement of the educational program	https://osvita.kpi.ua/sites/default/files/op/053-PhD-%D0%9F%D1%81%D0%B8%D1%85%D0%BE%D0%BB%D0%BE%D0%B3%D1%96%D1%8F.pdf
2 - The purpose of the educational program	
Training of highly qualified, competitive, integrated into the European and world scientific and educational space specialists in psychology, capable of independent research, research and innovation, organizational and managerial, pedagogical activities. Implement and ensure intercultural professional interaction of members of the psychological community, aimed at increasing the creative potential of the individual in terms of sustainable innovative scientific and technological development of society and the formation of high adaptability of PhDs in the transformation of the labor market through interaction with employers.	
3 - Characteristics of the educational program	
Subject area (field of knowledge,	Object of activity: mental phenomena, patterns of their occurrence, functioning and development; behavior,

specialty)	<p>activities, deeds; interaction of people in small and large social groups; psychophysiological processes and mechanisms underlying various forms of mental activity.</p> <p>Learning objectives: analysis and integration of current scientific knowledge about the nature, functions and mechanisms of the psyche, the methods of studying mental phenomena; development of the ability to produce (create) and introduce new modified psychological knowledge into the practice of professional activity, taking into account universal values and norms of professional ethics of the psychologist.</p> <p>Theoretical content of the subject area: the concept of psyche, conscious and unconscious, behavior, activity, deed, communication, personality, individuality; concepts and theories that reveal the patterns of origin, development and functioning of the psyche; psychological features of the life path of the individual, the interaction of people in small and large social groups; intergroup interaction, etc.</p> <p>Methods, techniques and technologies: to use methods of theoretical and empirical research, methods of data analysis, technologies of psychological assistance; develop and validate research methods and procedures and technologies of psychological care; check their effectiveness.</p> <p>Tools and equipment: psychodiagnostic tools, psychological devices, computer equipment and multimedia equipment; network systems for searching and processing information; library resources and technologies, in particular electronic; statistical data processing and visualization programs that allow to achieve the goals of training and professional development.</p>
Orientation of the educational program	Educational and research
The main focus educational program and elective blocks	Special education in the field of social psychology and related research areas related to the analysis of patterns of mental activity, behavior and interaction of people as members of social groups, as well as research and evaluation of various psychological phenomena of social

	life. Key words: psychology, society, personality, group, phenomena, communication, interaction.
Features of the program	Mandatory pedagogical practice. Semester of academic international mobility is possible. Teaching in Ukrainian and English.
4 - Suitability of graduates for employment and further study	
Suitability for employment	A higher education lecturer 2310.2, researcher (psychology) 2445.1, researcher-consultant (psychology) 2445.1, psychologist 2445.2.
Further studies	Continuation of doctoral education, obtaining the degree of Doctor of Science in Psychology, further training.
5 - Teaching and assessment	
Teaching and learning	Training with the acquisition of competencies sufficient to produce new ideas, solving complex problems in the professional field, which includes lectures, practical and seminar classes, blended learning technology, writing and defending a dissertation (candidate's dissertation). All participants in the educational process are provided with timely and understandable information on the goals, content and program learning outcomes, the procedure and evaluation criteria within the individual educational components.
Evaluation	Rating system, assessment, oral and written exams, tests, testing.
6 - Program competencies	
Integral competence	Ability to solve complex problems in the field of professional and / or research and innovation, which involves a deep rethinking of existing and the creation of new holistic knowledge and / or professional practice.
General Competences (GC)	
GC 1	Ability to conduct research at the appropriate level.

GC 2	Ability to critically analyze, evaluate and synthesize new and complex ideas and socio-psychological phenomena.
GC 3	Ability to use information and communication technologies.
GC 4	Ability to communicate in a foreign language.
GC 5	Ability to realize the need and adherence to the norms of scientific ethics.
GC 6	Ability to develop and manage research projects, make proposals for research funding.
GC 7	Ability to participate in the work of domestic and international research teams.
Professional competencies of the specialty (PC)	
PC-1	Ability to identify, systematize, solve and predict current psychological problems, factors and trends in the functioning and development of individuals, groups and organizations at different levels of psychological research.
PC-2	Ability to critically evaluate the results of research work, to determine the prospects for further scientific research with due academic and professional integrity.
PC-3	Ability to initiate and take responsibility in innovative complex projects of local (regional) and / or state importance.
PC-4	Ability to solve a wide range of problems and tasks in the field of social psychology based on an understanding of their nature, influencing factors, development trends and using theoretical and experimental methods.
PC-5	Ability to creative activity in the field of science and innovation.
PC-6	Ability to comprehensively analyze socio-psychological

	processes, to model and predict results in the social sphere and human behavior.
PC-7	Ability to apply modern information technologies in various types of professional and scientific-innovative activities.
PC-8	Ability to innovatively rethinking and apply methods of other fields of knowledge to implement the tasks of interdisciplinary research in psychology.
PC-9	Ability to find, process and analyze the necessary information for problem solving and decision making.
PC-10	Ability to use modern methods and technologies of scientific communication in Ukrainian and foreign languages.
PC-11	Ability to ensure continuous self-development and self-improvement, responsibility for the development of others.
PC-12	Ability to follow ethical and legal norms in professional activities.
PC-13	Ability to use adequate methods of effective interaction with representatives of different groups (social, cultural and professional).
PC-14	Ability to work in a team, to form positive relationships with colleagues.
PC-15	Ability to independently perform research activities in the field of knowledge "Social and behavioral sciences" using modern theories, methods and information and communication technologies.
PC-16	Ability to adapt and summarize the results of modern psychological research to solve scientific and practical problems.
PC-17	Ability to conduct theoretical and experimental research, mathematical and computer modeling of mental phenomena.

PC-18	Ability to use the existing opportunities of the educational environment and design new conditions, including information, to solve research problems.
PC-19	Ability to carry out professional and personal self-education, design of further educational route and professional career, participation in research and experimental work.
7 - Program learning outcomes KNOWLEDGE	
KN-1	Know and rethink existing and / or create (if necessary) new theoretical models and psychological approaches to the analysis and interpretation of the received results of scientific research.
KN-2	Psychological features of scientific activity.
KN-3	Roles and places of basic principles in the development of psychological science.
KN-4	Principles of system cognition of essential properties of phenomena, establishment of their regularities, cause-and-effect relations and interaction.
KN-5	Strategies of scientific research.
KN-6	Cognitive strategies as ways to obtain, process, store, analyze, synthesize, use the information necessary to achieve a certain goal.
KN-7	Empirical and theoretical methods of cognition.
KN-8	Types and kinds of experimental research in psychology.
KN-9	Features of mental phenomena, patterns of development of mental properties of the individual, the basics of interaction and communication of the individual in a small group.
KN-9	Methodological paradigms of different fields of knowledge.
KN-10	Principles of realization of intercultural interaction within the limits of conducting scientific discussion.
KN-11	Individual psychological properties and personality traits as a subject of various activities that promote self-realization and professional success.

KN-12	Principles of organization of developmental influences on the psyche of the individual.
KN-13	Dialogic forms of communication in joint activities.
KN-14	Principles of organization and development of research and innovation projects, epistemological and axiological guidelines of modern science and society.
KN-15	Methodologies of scientific research, principles of modeling and algorithmization of the research process, ways to implement the concept of continuous development.
KN-16	Modern trends in scientific research using the potential of basic sciences and modern information and communication technologies to the extent necessary to achieve the educational and scientific level of Doctor of Philosophy.
SKILLS	
SK-1	To be able to critically and systematically assess the results of research work, to determine the prospects for further research.
SK-2	To be able to create and implement innovative research projects in various spheres of public life.
SK-3	To be able to interact polylogically with the world scientific community and the public on research issues
SK-4	To be able to develop a structured-sense algorithm for carrying out scientific research and realization of tasks.
SK-5	To be able to search, process and analyze professionally important knowledge from various sources based on modern methodologies of scientific activity using information and communication (digital) technologies.
SK-6	Be able to identify, systematize, solve, critically comprehend and predict significant psychological problems, factors and trends in the functioning and development of individuals, groups and organizations at various levels of psychological research.
SK-7	Carry out a scientific analysis of empirical material, interpret and structure it taking into account classical and newest methodological principles, formulate generalizations based on independently processed data.
SK-8	Use psychodiagnostic tools to ensure innovative scientific activity.
SK-9	Possesses the techniques of personal self-development and self-improvement, actualization of one's potential capabilities and subliminal self-realization.

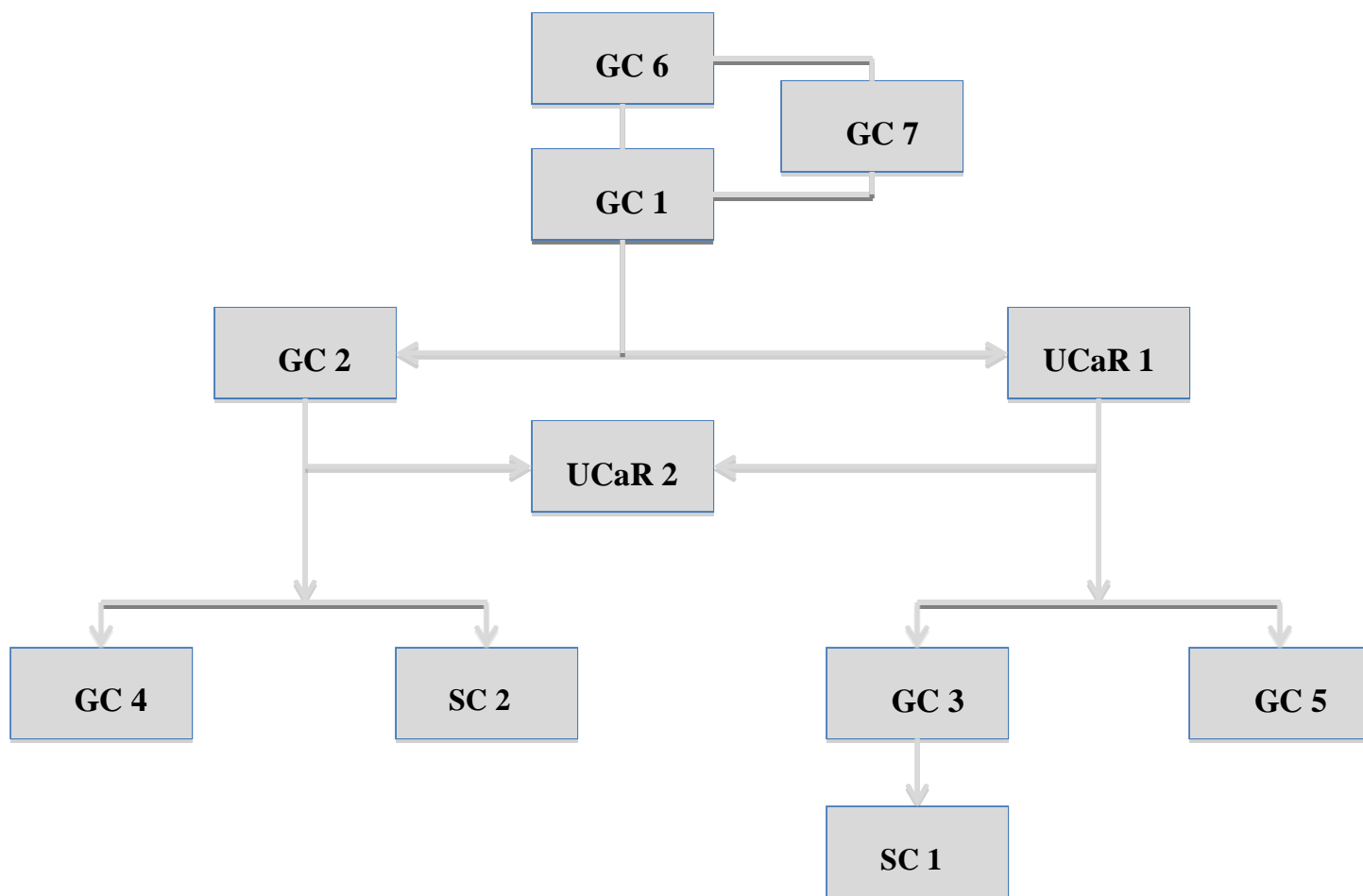
SK-10	o be able to choose the optimal research approaches and methods for analyzing a specific socio-psychological phenomenon.
SK-11	Observe the rules of scientific ethics, legal and social norms in the process of professional and scientific and innovative activities.
SK-12	Observe the rules of academic virtue.
SK-13	Be able to analyze complex socio-psychological phenomena, connect psychological problems with solving problems arising in professional activities.
SK-14	To identify problems and contradictions, to analyze psychological phenomena and processes of social reality.
SK-15	Work on their own development and improvement, determine their professional opportunities and to show the desire to improve professional qualifications and professional mobility.
SK-16	Present the results of work in the form of completed research developments (scientific publications, reports, presentations, etc.).
SK-17	Use knowledge of socio-cultural and pragmatic paradigms to optimize intercultural interaction.
SK-18	Extrapolate psychological knowledge to a wide range of research and innovation activity.
SK-19	To organize and manage the cognitive activity of students, to form students' critical thinking and the ability to carry out activities in all its components.
8 - Resource support for program implementation	
Staffing	According to the personnel requirements to ensure the implementation of educational activities for the corresponding level of higher education, approved by the Resolution of the Cabinet of Ministers of Ukraine dated December 30, 2015 No. 1187 as amended by the Resolution of the Cabinet of Ministers of Ukraine No. 347 dated May 10, 2018.
Material and technical security	In accordance with the technological requirements for the material and technical support of educational activities of the corresponding level of software, approved by the Resolution of the Cabinet of Ministers of Ukraine dated December 30, 2015 No. 1187, as amended by the Resolution of the Cabinet of Ministers of Ukraine No. 347 dated May 10, 2018.
Information and	In accordance with the technological requirements for

educational-methodical support	educational and methodological and informational support of educational activities of the relevant level of higher education (Annex 5 to the Licensing Conditions), approved by the Cabinet of Ministers of Ukraine dated 30.12.2015 № 1187 as amended in accordance with the Cabinet of Ministers of Ukraine №347 from May 10, 2018. Use of the Scientific and Technical Library National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”
9 - Academic mobility	
National credit mobility	Possibility of academic mobility.
International credit mobility	The possibility of international academic mobility (Erasmus + K1), the possibility of double diploma, long-term international projects involving the included training of students, and the same.
Training of foreign applicants for higher education	For foreign citizens, training is carried out in English, and Ukrainian is studied as a foreign one.

2. LIST OF COMPONENTS OF THE EDUCATIONAL COMPONENT OF THE EDUCATIONAL AND SCIENTIFIC PROGRAM

Code	Components of the educational program (academic disciplines, practices, qualification work)	Number of credits	. Final control form
1	2	3	4
Mandatory (regulatory) components of the educational program			
Academic disciplines for mastering general scientific (philosophical) competencies			
GC 6	Philosophical foundations of scientific activity	6	exam
Academic disciplines for obtaining language competencies			
GC 7	Foreign language for scientific activity	6	exam
Academic disciplines for obtaining in-depth knowledge of the specialty			
GC 1	Theoretical and methodological problems of psychology	3	exam
GC 2	Psychology of social phenomena	3	exam
GC 3	Environmental psychology	2	exam
GC 4	Psychology of professional activity	2	exam
GC 5	Psychology of scientific and technical creativity	2	exam
Academic disciplines for obtaining universal competencies of a researcher			
UCaR 1	Research methodology	4	exam
UCaR 2	Pedagogical practice	2	Passing score
Selective components of			
SC 1	Educational component 1. F - Catalog	5	exam
SC 2	Educational component 2. F - Catalog	5	exam
The total amount of required components:		30	
The total amount of selected components		10	
TOTAL VOLUME OF THE EDUCATIONAL PROGRAM		40	

3. STRUCTURAL AND LOGICAL SCHEME OF THE EDUCATIONAL AND SCIENTIFIC PROGRAM



4. SCIENTIFIC COMPONENT

Year of preparation	Contents of the research work of a graduate student	Form of control
1 year	<p>Substantiation of the chosen topic of one's own scientific research, development of the content, deadlines and volume of scientific work; selection and substantiation of the methodology for conducting one's own scientific research, the implementation of an analytical review of scientific literature in order to understand and realize the existing views, approaches and trends that exist in modernpsychological science.</p> <p>Preparation and publication of at least 1 review article in scientific professional journals on the research topic; participation in scientific and practical conferences (seminars) with the publication of abstracts.</p>	Approval of the individual plan of the postgraduate student at the Academic Council of the faculty, reporting on the progress of the individual plan of the graduate student twice a year.
2 year	<p>Conducting own research using a set of theoretical and empirical methods under the guidance of a supervisor, which involves solving research problems.</p> <p>Preparation and publication of at least 1 article in scientific professional publications on the research topic; participation in scientific and practical conferences (seminars) with the publication of abstracts.</p>	Report on the progress of the individual plan of the graduate student twice a year.
3 year	<p>Analysis and generalization of the obtained results of own scientific research; substantiation of the scientific novelty of the results obtained, their theoretical and / or practical significance.</p> <p>Preparation and publication of at least 1 article in scientific professional publications on the research topic; participation in scientific and practical conferences (seminars) with the publication of abstracts.</p>	Report on the progress of the individual plan of the graduate student twice a year.
4 year	Registration of the scientific achievementsof a graduate student in the form of a dissertation, summing up the results	Report on the progress of the individual plan of the graduate student twice a

	regarding the completeness of coverage of the results of the dissertation in scientific articles according to the current requirements Implementation of the results obtained and obtaining supporting documents. Submission of documents for preliminary examination of the thesis. Preparation of a scientific report for graduation certification (dissertation defense).	year. Provision of a conclusion on scientific novelty, theoretical and practical significance of the results of the dissertation.
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5. FORM OF GRADUATE CERTIFICATION OF HIGHER EDUCATION APPLICANTS

Graduation attestation of the degree of Doctor of Philosophy according to the educational-scientific program «Psychology» specialty 053 - Psychology is carried out in the form of public defense of the dissertation and ends with the issuance of a standard document on awarding him the degree of Doctor of Philosophy with the qualification: Doctor of Philosophy. Qualification work is checked for plagiarism and after the defense is placed in the repository of NTL of University for free access. Graduation certification is carried out openly and publicly.

6. MATRIX OF COMPLIANCE OF PROGRAM COMPETENCES TO THE COMPONENTS OF THE EDUCATIONAL PROGRAM

	GC 1	GC 2	GC 3	GC 4	GC 5	GC 6	GC 7	UCaR 1	UCaR 2	Scientific component
GC 1		+	+					+		+
GC 2	+	+	+	+	+	+		+		+
GC 3	+	+	+	+	+			+	+	+
GC 4							+		+	
GC 5	+			+		+		+		+
GC 6	+			+	+				+	
GC 7	+	+		+	+		+			+
PC-1	+	+	+	+	+	+		+		+

PC-2	+	+	+	+				+		+
PC-3	+	+	+			+		+		+
PC-4	+	+	+		+			+	+	+
PC-5	+	+	+	+	+	+		+		+
PC-6		+	+	+	+				+	
PC-7				+	+				+	
PC-8		+	+		+	+	+			
PC-9	+	+	+		+		+			+
PC-10				+			+		+	+
PC-11				+	+	+		+		
PC-12	+			+		+			+	+
PC-13			+		+	+	+		+	
PC-14		+	+	+	+					
PC-15	+		+	+	+			+	+	+
PC-16	+				+			+		+
PC-17	+			+	+			+		+
PC-18			+	+			+		+	
PC-19	+	+	+	+			+		+	

7. MATRIX OF PROVIDING PROGRAM LEARNING RESULTS BY RELEVANT COMPONENTS OF THE EDUCATIONAL PROGRAM

	GC 1	GC 2	GC 3	GC 4	GC 5	GC 6	GC7	UCaR 1	UCaR 2	Scientific component
KN-1		+	+		+	+		+		+
KN-2	+			+	+	+		+		+
KN-3	+	+	+		+	+		+		+
KN-4		+			+	+	+	+		
KN-5	+	+	+	+						
KN-6	+			+	+		+	+		
KN-7	+			+	+	+		+		+
KN-8	+			+		+		+		+
KN-9	+	+	+		+		+			
KN-10	+	+	+					+		+
KN-11						+	+			
KN-12	+			+	+		+			+
KN-13		+	+		+	+			+	+
KN-14		+	+				+			
KN-15	+			+	+	+			+	+
KN-16	+					+		+		+
KN-17	+			+		+	+			+
SK-1	+			+		+		+		+
SK-2		+	+	+			+			+
SK-3		+	+		+		+	+	+	
SK-4	+	+	+	+	+			+		+
SK-5	+	+		+				+		
SK-6	+	+	+	+		+				+
SK-7	+	+		+	+	+			+	+
SK-8	+	+			+	+		+		+
SK-9				+	+		+			
SK-10	+	+	+					+		+
SK-11				+		+			+	+

SK-12				+		+	+		+	+
SK-13		+	+	+	+				+	
SK-14		+				+				
SK-15				+	+		+		+	
SK-16	+			+	+		+			+
SK-17		+	+			+	+			
SK-18		+	+	+	+					
SK-19		+	+	+				+	+	+