### **BORYS GRINCHENKO KYIV UNIVERSITY**

«APPROVED»

Decision of the Academic Council, Borys Grinchenko Kyiv University

25 May 2017, Protocol No.5

The Head of the Academic Council, Rector Viktor Ogneviuk

**Programme of Study (Vocational)** 

281.00.01 Public Administration Level Two (Master) of higher education

Field of Knowledge: 21 Public Administration and Management
Speciality: 281 Public Administration and Management

Qualifications: Master of Public Administration and Management

Enacted since 01 September 2017 (Order No 348 dated May 26, 2017)

# LETTER OF APPROVAL Programme of Study (Vocational)

Protocol No 9 dated March 5, 2018	
The Head of the Chair	_ Valentyna Hladkova
The Academic Council of the Faculty o Administration Protocol No 7 dated March 19, 2017	f Informational Technologies and
The Head of the Academic Council	Alla Mykhatska
The Head of the SMC of Standardization Education Olha Leon 2017	~ ~
Vice-Rector on Academic Affairs2017	Oleksii Zhyltsov
Vice-Rector for Research Nataliia Vinnikova	
2017	

### **PREAMBLE**

There is no higher education standard. It conforms to the Draft Standard on specialty 281 Public Administration and Management for level two (master) of higher education and the interim standard of the Borys Grinchenko Kyiv University to the enactment of the officially approved standard of higher education.

### The programme of study (vocational) developed by the project group:

Natalya Orlova, PhD in Public Administration, Professor, Professor of the The Chair of Management

Borys Grinchenko Kyiv University

Tetyana Pospyelova, PhD in Public Administration, Associate Professor, Professor of the The Chair of Management

Borys Grinchenko Kyiv University

Valerij Pavlyuk, PhD in Public Administration, Associate Professor, Associate Professor of the The Chair of Management Borys Grinchenko Kyiv University

#### **External Reviewers:**

Svitlana Chukut, PhD in Public Administration, Professor, Acting Head of The Chair of Theory and Practice of Management
National Technical University of Ukraine «Kyiv Polytechnic Institute»

Nina Didenko, PhD in Public Administration, Professor, Head of The Chair of Public Service and Educational Management University of Educational Management

#### **Reviews of the Representatives of Professional Associations/Employers:**

Volodymyr Udovychenko, Chairman of Coordination Council of the Foundation for the Promotion of Local Self-Government of Ukraine, President of All-Ukrainian Public Association "Club of mayors", Representative of Ukraine in the Congress of Local and Regional Authorities of the Council of Europe, Doctor of Economics, Professor

### This educational program is introduced for the first time

The term for viewing the educational program - every 3 years

#### Actualized:

Date of Review of the		
PS /Amendments to	!	
PS		
Signature:		
PS Guarantor		

## I. Profile of the programme of study (vocational) 281 Public Administration and Management

1 - General information			
The full name of the higher	Borys Grinchenko Kyiv University		
education institution	The Faculty of Informational		
and the structural unit	Technologies and Administration		
	The Chair of Management		
Degree of higher education	Master		
Official name of the	281.00.01 Public Administration		
programme of study			
Type of diploma and term of	90 credits ECTS Master degree, unitary		
study according to the	term of study: 30 months		
programme			
Availability of accreditation	Accredited. 2018		
Cycle / Level	Level Two (Master) /Level 8 of the National Qualification		
	Framework of Ukraine		
The education level required to	Higher Education		
commence study under the			
programme			
Language (s) of teaching	Ukrainian		
Validity of the programme of	2022		
study			
Internet address of the	http://kubg.edu.ua/		
permanent placement of the			
description of the programme			
of study			

### 2 - The purpose of the programme of study (vocational)

To provide students with advanced training in public administration and management with an emphasis on contemporary theories and approaches that are widely applied in different areas of management science and practice.

To provide knowledge and form relevant competencies for further education, research skills development, and professional activities.

3 - Characteristics of the programme of study			
Subject area	<ul> <li>Objects of study and /or activity: The whole sphere of public administration and management</li> <li>Learning objectives: to form a complex of knowledge, skills</li> </ul>		
	and abilities for learners in higher education to use in professional activities in the sphere of public administration and management.		

	- The theoretical content of the subject area: terminology, scientific concepts (theories) of public administration and management, management at the national, regional and local levels and administration in all spheres of activity.	
- Methods, techniques and technologies: a learned education shall master the methods of scientific analytical processing of information, orgetechnological and legal support, e-government.		
	- Instruments and equipment: information analytical tools, management decision support systems, special software	
	- The proportion of the volumes of the general and professional components and optional parts: 3:1	
	- Field practice share: 13.5 ECTS credits (15%)	
Orientation of the programme of study	Vocational	
The main focus of the	The program aims at state regulation of Kyiv's development and	
programme of study	e-government	
Specific features of the	Applied orientation; Possibility of field practice at the bodies of	
<b>programme</b> state power and local self-government.		
•		
	4 - Eligibility of graduates	
	4 - Eligibility of graduates employment and further studying  • central executive authorities;	
to	4 - Eligibility of graduates employment and further studying  • central executive authorities; • territorial offices of the CEA;	
to	4 - Eligibility of graduates employment and further studying  • central executive authorities; • territorial offices of the CEA; • local executive bodies;	
to	4 - Eligibility of graduates employment and further studying  • central executive authorities; • territorial offices of the CEA; • local executive bodies; • local governments;	
to	4 - Eligibility of graduates employment and further studying  • central executive authorities; • territorial offices of the CEA; • local executive bodies; • local governments; • state and municipal institutions;	
to	4 - Eligibility of graduates employment and further studying  • central executive authorities; • territorial offices of the CEA; • local executive bodies; • local governments; • state and municipal institutions; • civil society institutions;	
to	4 - Eligibility of graduates employment and further studying  • central executive authorities; • territorial offices of the CEA; • local executive bodies; • local governments; • state and municipal institutions; • civil society institutions; • public associations;	
to	4 - Eligibility of graduates employment and further studying  • central executive authorities; • territorial offices of the CEA; • local executive bodies; • local governments; • state and municipal institutions; • civil society institutions; • public associations; • non-profit organizations;	
to	4 - Eligibility of graduates employment and further studying  • central executive authorities; • territorial offices of the CEA; • local executive bodies; • local governments; • state and municipal institutions; • civil society institutions; • public associations; • non-profit organizations; • international non-governmental organizations;	
to	4 - Eligibility of graduates employment and further studying  • central executive authorities; • territorial offices of the CEA; • local executive bodies; • local governments; • state and municipal institutions; • civil society institutions; • public associations; • non-profit organizations;	
to	4 - Eligibility of graduates employment and further studying  • central executive authorities; • territorial offices of the CEA; • local executive bodies; • local governments; • state and municipal institutions; • civil society institutions; • public associations; • non-profit organizations; • international non-governmental organizations; • intergovernmental bodies and structures;	
Employment	4 - Eligibility of graduates employment and further studying  • central executive authorities; • territorial offices of the CEA; • local executive bodies; • local governments; • state and municipal institutions; • civil society institutions; • public associations; • non-profit organizations; • international non-governmental organizations; • intergovernmental bodies and structures; • scientific and educational institutions.	
Employment	4 - Eligibility of graduates employment and further studying  • central executive authorities; • territorial offices of the CEA; • local executive bodies; • local governments; • state and municipal institutions; • civil society institutions; • public associations; • non-profit organizations; • international non-governmental organizations; • intergovernmental bodies and structures; • scientific and educational institutions.  Possibility of obtaining education at the first degree "Doctor of	
Employment	4 - Eligibility of graduates employment and further studying  • central executive authorities; • territorial offices of the CEA; • local executive bodies; • local governments; • state and municipal institutions; • civil society institutions; • public associations; • non-profit organizations; • international non-governmental organizations; • intergovernmental bodies and structures; • scientific and educational institutions.  Possibility of obtaining education at the first degree "Doctor of Philosophy".  5 – Teaching and assessment  Based on the principles of student-centered and individual-	
Employment  Further learning	4 - Eligibility of graduates employment and further studying  • central executive authorities; • territorial offices of the CEA; • local executive bodies; • local governments; • state and municipal institutions; • civil society institutions; • public associations; • non-profit organizations; • international non-governmental organizations; • intergovernmental bodies and structures; • scientific and educational institutions.  Possibility of obtaining education at the first degree "Doctor of Philosophy".  5 – Teaching and assessment  Based on the principles of student-centered and individual-personality approach; realized through studies based on	
Employment  Further learning	4 - Eligibility of graduates employment and further studying  • central executive authorities; • territorial offices of the CEA; • local executive bodies; • local governments; • state and municipal institutions; • civil society institutions; • public associations; • non-profit organizations; • international non-governmental organizations; • intergovernmental bodies and structures; • scientific and educational institutions.  Possibility of obtaining education at the first degree "Doctor of Philosophy".  5 – Teaching and assessment  Based on the principles of student-centered and individual-personality approach; realized through studies based on research, strengthening of practical orientation and creative	
Employment  Further learning	4 - Eligibility of graduates employment and further studying  • central executive authorities; • territorial offices of the CEA; • local executive bodies; • local governments; • state and municipal institutions; • civil society institutions; • public associations; • non-profit organizations; • international non-governmental organizations; • intergovernmental bodies and structures; • scientific and educational institutions.  Possibility of obtaining education at the first degree "Doctor of Philosophy".  5 – Teaching and assessment  Based on the principles of student-centered and individual-personality approach; realized through studies based on	

		elements of distance learning, solving applied tasks,	
		implementing projects, field practices, preparing and protecting	
<u> </u>		the degree paper	
Assessmen	t	An accumulative rating system that includes assessment of	
		students for all types of classroom and non-auditing educational	
		activity (current, module, final control); modular control works,	
		individual calculation and design work, testing, credits, practice	
		reports, examinations, certification.	
		6 - Programme competencies	
Integral		Abilities to solve complex theoretical and practical tasks and problems	
competen	ce	performing professional activity or in the process of study, which involves	
		conducting research and / or innovations and characterized by complexity	
		and/or uncertainty of the conditions.	
General co			
GC 1		bility to solve the task in a comprehensive manner. Ability to reveal the	
		fic essence of problems in the professional sphere, to find adequate ways of	
	their s	olution;	
GC 2		al thinking. Ability to analyze, verify, evaluate the completeness and	
		lity of information in the course of professional activity, if necessary, to	
	supple	ement and synthesize missing information.	
GC 3	Creati	vity. Production of new ideas, creative approach to their implementation;	
	ability to innovate.		
GC 4	Manage people. Ability to take initiative and carry out leadership functions in the		
	team in order to achieve a common goal; the ability to manage projects, organize		
	team work, set goals, make and implement decisions; evaluate and ensure the		
	effectiveness of teamwork; ability to manage the strategic development of the team		
	in the process of professional activity.		
GC 5		lination with others. Ability and willingness to carry out collective projects,	
	assume responsibility for the work of a separate group; ability to conduct a		
	discussion, arguing for the advocacy of his point of view.		
	Communication Ability to waite and and agreement astign in Illuminian and at least		
GC 6	Communication. Ability to write and oral communication in Ukrainian and at least		
	one of the most common European languages; ability to express clearly, to be		
	convincing; skills of interpersonal relationships; skills of effective use of modern		
~~-	communication technologies.		
GC 7	<b>Emotional intelligence.</b> Understanding your own emotional state, self-control and		
	self-regulation; self-esteem and confidence; ability to overcome difficulties,		
	resistance to stress; general optimistic mood, initiative, adjustment to a positive		
~~~	result.		
GC 8		tive Flexibility. Ability to acquire new knowledge, skills and integrate them	
		xisting ones; the ability to analyze the phenomenon, situation, problem, taking	
		count different parameters, factors, causes; the ability to adapt thinking to	
~~~		problems in changed conditions or in non-standard situations.	
GC 9		ting high score. Internal need to perform work qualitatively; the ability to	
1	plan tl	ne stages and progress of the work performed, evaluate and ensure the quality	

	of the work performed, present the results of work and substantiate the proposed
	solutions at the modern scientific, technical and professional level.
GC 10	Formulation of judgments and decision making. The ability to orientate in
	different perspectives on the problem and ways of its unification, to form their own
	opinion; be able to formulate the task, reasonably choose the optimal ways to solve
	it, analyze and comprehend the resulting solution, convincingly represent it.
GC 11	Information and ICT literacy. Ability to search, process and analyze necessary
	information from different sources for the solving of educational, scientific and
	professional tasks observing ethical and legal norms; the skills of using information
	and communication, computer technologies as a tool for acquiring knowledge and
	skills, as well as presenting a problem, task, known or personal results, etc.
Profession	nal competencies:
PC 1	Knowledge and understanding. Specialized conceptual knowledge in the field of
	public administration and management, acquired in the learning process at the level
	of the latest achievements, which are the basis for original thinking, research and /
	or innovation activities; the ability to use the acquired knowledge in practical
	professional activities.
PC 2	Research skills in public administration and management. Ability to understand
	the essence of the problem, to set the task, to choose and use the appropriate
	methods and organizational procedures for its solution (research) or research
	activity, to critically evaluate the results obtained, to determine the perspectives of
PC 3	further development of investigated and related topics.  Solving problems in the field of public administration and management. Ability
PCS	Solving problems in the field of public administration and management. Ability to critically interpret and solve complex problems and problems requiring
	interdisciplinary approaches, updating and integrating knowledge, often under
	incomplete / inadequate information and contradictory requirements.
PC 4	Expert and analytical activity. Ability to transfer theoretical knowledge into
	practical contexts, Ability to determine indicators of sustainable development at the
	national, regional, local and organizational levels. Ability to independently prepare
	normative-legal acts, analytical certificates, proposals, reports, to carry out their
	examination.
PC 5	Informative competence. Ability and readiness for effective use of knowledge and
	skills and application of modern means of information and computer technologies,
	application software packages for solving tasks in the field of public administration
	and management.
PC 6	Creativity and innovation activity. Ability to independently develop projects
	through the creative application of existing and / or generating new managerial
	ideas; the ability to develop new and / or improve existing methods, tools,
<b>.</b> ~ -	approaches, tools for solving public administration and management problems.
PC 7	<b>Communication.</b> The ability to provide information in a form suitable for the target
The Co	audience, which is addressed, both verbally and in writing.
PC 8	Self-education and advanced training. Ability to self-education and professional
	development in the field of public administration and management on the basis of
DC 0	innovative approaches.  Flactronic Governance Ability to organize and develop measures for the
PC 9	Electronic Governance. Ability to organize and develop measures for the

	implementation of e-government in various areas of public administration and management.				
	7 – Programme learning outcomes				
Knowledg	Knowledge and understanding:				
PLO 1	The ability to demonstrate the level of application of sound knowledge of key				
	theories, concepts and facts in the field of public administration and management.				
PLO 2	Knowledge of the legal and regulatory framework in the field of public administration				
	and management.				
PLO 3	Knowledge of the general scientific and special methods of scientific knowledge.				
PLO 4	Knowledge and understanding of the connections chosen for in-depth study and study				
	of the range of theories, problems, tasks with other subjects and areas of practice.				
PLO 5	Knowledge and understanding of the features of state regulation of development of				
	the city and local self-government.				
PLO 6	Knowledge and understanding of the limits of the application of various management				
	theories, methods, tools and tools.				
PLO 7	Knowledge and understanding of the specifics e-government in various areas of				
	public administration and management.				
PLO 8	Knowledge of the competent communication building, the basics of public relations.				
	knowledge and skills:				
PLO 9	The ability to carry out logical considerations, competently collect, analyze and				
	interpret facts, using, among other things, classical methods of proof (from the				
DY 0.40	opposite, induction, deduction, etc.).				
PLO 10	The ability to read and understand the legal acts, analytical certificates, proposals,				
	reports and demonstrate the skill of their reproduction in the reasoned oral and / or				
DI O 11	written report.  The ability to use general scientific and special methods of scientific knowledge to				
PLO 11	The ability to use general scientific and special methods of scientific knowledge to solve theoretical and applied problems and problems in the field of public				
	administration and management, which requires, in particular, the integration of				
	acquired knowledge, methods from different disciplines.				
PLO 12	The ability to organize and develop e-governance measures in various areas of public				
	administration and management.				
PLO 13	The ability to bring professional knowledge, own justification and conclusions to the				
	specialists and the general public; oral and written communication in native and				
	foreign languages in the scientific, production and social spheres of professional				
	activities.				
PLO 14	The ability to demonstrate certain research skills, the ability to solve a task / problem				
	independently or under the direction of a specialist (a teacher, a scientific worker or a				
	practitioner), to perform an innovative task (planning work, research, finding a				
	solution / obtaining a result, formulating conclusions, design and presentation of the				
	results).				
PLO 15	The ability to apply computer technologies, application packages, other software				
	products, information resources for solving tasks in the field of public administration				
DI O 16	and management.  The chility to apply pays approaches to developing a decision making strategy in				
PLO 16	The ability to apply new approaches to developing a decision-making strategy in				

	complex unpredictable conditions.		
PLO 17	The ability to	organize collective activities and implement complex projects taking	
	into account a	vailable resources and time constraints.	
PLO 18	The ability to realize the limited self-knowledge and the need for continuous		
	education, to demonstrate the ability in a rational way to independently seek sources		
	of information from a certain range of issues, including foreign languages, to analyze		
	the information	on found, to replenish their knowledge and acquire skills.	
PLO 19	The ability to	apply the latest technologies in professional activity, willingness and	
	-	h self-education, studying positive experiences, and improving their	
	professional s	kills.	
PLO 20	•	work in a team, acting ethically and responsibly.	
PLO 21	_ =	formulate the problem/task, find and analyze the correspondence	
	_	roblem/task and existing models, reasonably choose the best solutions,	
	_	omprehend the solution obtained, present the results of work and	
		ne proposed solutions at the modern scientific, technical and professional	
	level.		
		rce support for the implementation of the programme	
Personnel	support	The educational program is provided by the faculty of Information	
		Technologies and Management. Specialists of the National Academy	
		of Public Administration under the President of Ukraine are involved	
		in the teaching of certain disciplines in accordance with their	
		competences and experience.	
		The practice-oriented nature of the educational program involves the broad participation of practitioners who correspond to the direction of	
		the program, which enhances the synergy of theoretical and practical	
		training.	
		The head of the project team and the teaching staff that ensures its	
		implementation complies with the requirements defined by the	
		Licensing Conditions for the educational activities of educational	
		institutions	
Material a	and technical	Computer classes and competence development centers specially	
support		equipped with software, visual and methodological materials.	
Informati	on and	Library electronic resources, electronic scientific editions, electronic	
education	al-	training courses with the possibility of distance learning and	
methodol	ogical	independent work, cloud services	
support			
		9 - Academic mobility	
National (	Credit	-	
Mobility			
	onal Credit	The Regulation on the procedure for implementing the right to	
Mobility		academic mobility of participants in the educational process of the	
		University was put into effect by an order dated September 30, 2016.	
		Agreements are envisaged, which include student mobility with	
		universities in European countries and within the Erasmus + CA1	

program. Among them: the University of Vilnius (Lithuan University of Constantine the Philosopher in Nitri (Slovak University of Extremadura (Spain), the Silesian University	
	(Poland), the Jan Długosz Academy in Częstochowa (Poland), the University of Ostrava (Czech Republic), the University of Lisbon (Portugal) and others.
Studying of foreign higher education	According to the license, educational services for foreigners and stateless persons are envisaged
learners	

## II. The List of the Components of the Programme of Study (vocational) Social Communications and Their Logical Coherence

### 2.1. List of components of PS

Component	Code (acad.	Components of the Programme of Study	Credits	The Form	
Code	disc., pr.,	(academic discipline, practice, degree	ECTS	of the	
	assess.)	paper)		Final	
				Control	
1	2	3	4	5	
		Compulsory components of PS			
CC 1	ОДЗ.01	Conceptual foundations of self-	4	Credit	
		management			
CC 2	ОД3.02	Methodology of system approach and	4	Credit	
		scientific research			
CC 3	ОДФ.01	Conceptual Principles of Public	4	Exam	
		Administration			
CC 4	ОДФ.02	State policy: analysis and implementation	4	Credit	
		mechanisms			
CC 5	ОДФ.03	Law in public administration	4	Credit	
CC 6	ОДФ.04	State regulation of economic processes	4	Credit	
CC 7	ОДФ.05	Public Service	4	Exam	
CC 8	ОДФ.06	Interregional and cross-border	4	Credit	
		cooperation			
CC 9	ОДФ.07	National security	4	Exam	
CC 10	ОДФ.08	Strategic management	4	Exam	
CC 11	ОДФ.09	Public administration of social and	4	Credit	
		humanitarian development			
CC 12	ОДФ.10	Public communication and business	8	Credit	
		language in public administration			
CC 13	ОП.1	Professional practice (expert-analytical)	9	Credit	
CC 14	OA.1	Master Degree Paper	6		
Total amoun	t of the compu	lsory components:	1	67	
	Optional components of EP				
Optional bloc	·k 1				
OC 1.1	ВДС 1.1.	Institutional mechanism of state regional	4	Credit	
		policy			
OC 1.2	ВДС 1.2.	Regional development strategy	5	Credit	
OC 1.3	ВДС 1.3.	Sustainable development of the region	4	Credit	
		(city)			
OC 1.4	ВДС 1.4.	Public Procurement	4	Credit	
OC 1.5	ВДС 1.5.	Professional practice (specialization)	6	Credit	
Optional bloc	$-k \overline{2}$				
OC 2.1	ВДС 2.1.	Conceptual Principles of e-Governance	4	Credit	
OC 2.2	ВДС 2.2.	Information and technology infrastructure	5	Credit	

		of e-governance		
OC 2.3	ВДС 2.3.	Organizational and legal support of e-	4	Credit
		government in Ukraine		
OC 2.4	ВДС 2.4.	Electronic democracy and e-state	4	Credit
OC 2.5	ВДС 2.5.	Professional practice (specialization)	6	Credit
Total amount of the optional components		2	23	
TOTAL AMOUNT OF THE PROGRAMME OF STUDY		9	90	

## **2.1** Structural Logical Scheme of the Programme of Study

Semester 1	Semester	2	Semester 3					
18 credits	S	18 credits						
Conceptual Principles of	Conceptual found	ations of	Methodology of system					
Public Administration	self-manager		approach and scientific					
4 credits ECTS	4 credits EC		research					
			4 credits ECTS					
Law in public administration	Public Serv	ice	National security					
4 credits ECTS	4 credits EC	TS	4 credits ECTS					
State regulation of economic	Public administration		Optional part					
processes	and humanitarian de	-	6 credits ECTS					
4 credits ECTS	4 credits EC	TS						
T	G							
Interregional and cross-border	State policy: anal	•						
cooperation 4 credits ECTS	implementation me							
	4 credits EC							
Public communication and	l business language ir	public adm						
Semester 4			Semester 5					
18 credits			18 credits					
Strategic manage	ment		Optional part					
4 credits ECT	S		6 credits ECTS					
Professional practice (exp	ert-analytical)	Prepara	tion of Master Degree Paper					
9 credits ECT	S		4.6 credits ECTS					
Optional par	t	Professional practice (specialization						
5 credits ECT	S	6 credits ECTS						
		Master Degree Paper Defense						
			1,5 credits ECTS					

### III. Form of Attestation of Higher Educational Learners

The graduate students majoring in 281 Public Administration and Management get attestation in the form of degree paper defense and they are given the document of the state standard issued to confirm that they are awarded with the degree and education qualification of Master of Public Administration and Management.

The attestation is performed openly and publicly.

## IV. Matrix of the Programme Competence Compliance with the Programme Components.

	CC 1	CC 2	CC 3	CC 4	CC 5	9 DD	CC 7	CC 8	6 DD	CC 10	CC 11	CC 12	CC 13	CC 14	OC 1.1	OC 1.2	OC 1.3	OC 1.4	OC 1.5	OC 2.1	OC 2.2	OC 2.3	OC 2.4	OC 2.5
GC1		•								•			•	•					•					
GC2	•	•								•				•					•					
GC3	•													•										
GC4							•																	
GC5	•						•					•	•						•					
GC6	•											•							•					
GC7	•																							
GC8	•									•	•		•	•	•				•					
GC9																								
GC10		•	•	•	•					•	•		•		•				•					
GC11										•		•	•	•	•				•	•				
PC1	•	•	•	•		•		•			•		•	•	•	•								
PC2		•	•							•			•	•					•					
PC3			•	•	•	•		•	•		•		•	•	•	•	•		•					•

PC4		•	•	•	•		•	•	•		•	•	•	•	•						
PC5										•	•	•	•		•		•	•			•
PC6													•								
PC7						•				•					•	•					
PC8								•								•		•			
PC9										•					•	•	•	•	•	•	•

### V. Matrix of Providing Programme Learning Outcomes with the Relevant Programme Components

	CC 1	CC 2	CC3	CC 4	CC 5	9 DD	CC 7	CC 8	6 DD	CC 10	CC 11	CC 12	CC 13	CC 14	OC 1.1	OC 1.2	OC 1.3	OC 1.4	OC 1.5	OC 2.1	OC 2.2	OC 2.3	OC 2.4	OC 2.5
PLO 1	•	•	•	•		•							•	•										•
PLO 2			•	•	•				•					•										
PLO 3		•				•				•				•										•
PLO 4		•	•	•		•			•	•	•			•									•	
PLO 5				•				•					•		•									
9 OTd			•					•			•		•	•	•	•	•	•	•			•		
PLO 7																				•	•	•	•	•
9 OTA	•											•												

PLO 9		•		•					•		•		•	•										
PL																								
PLO 10			•	•	•		•		•			•		•	•	•	•	•	•					
PLO 11		•								•			•	•	•	•	•	•	•	•				
PLO 12																				•	•	•	•	•
PLO 13				•								•	•	•										
PLO 14		•	•	•									•	•										
PLO 15													•	•						•	•	•	•	•
PLO 16						•				•	•			•	•					•				
PLO 17	•					•	•																	
PLO 18	•																			•				
PLO 19	•							•					•	•										•
PLO 20	•						•						•									•		
PLO 21		•	•	•		•						•	•	•		•	•	•	•					•