

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE  
National Aviation University

APPROVED

Acting Rector of Academic Activities



T. Ivanova

20 15 p.

**Quality Management System**

**COMPLEX TEST PACKAGE**

Subject «Component Base of Electronics»  
( title of the subject )

Field of Study 6.050901 “Radio Engineering”  
( for Bachelor degree – code and title of the field of study )

Index РБ14-6.050901-1-a /12-3.1.5  
(curriculum index and number of the subject in the curriculum)

QMS CTP 14.01.01 ( 45.14) – 01- 2015

Recommended by  
The Scientific-Methodological-Editorial Board  
of the Institute (Faculty) of Information and  
Diagnostic Systems

Record № 8  
of ” 28 ” 10 2015 .

Head of SMEB  
P. Pavlenko

(signature, name)

# National Aviation University

Educational and Research Institute of Information and Diagnostic Systems

(title of the Institute in charge of package)

Department Information and measuring systems

(title of the Department in charge of package)

AGREED

Director of the Institute



S. Filonenko

(signature)

(name)

“27” 10 2015p.

## Complex Text Package on the subject

«Component Base of Electronics»

(title of the subject)

6.050901 “Radio Engineering”

(code and title of the field of study)

Complex Text Package reviewed by the Department

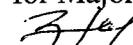
Aviation Radioelectronic Complexes

Field of Study (speciality) 6.050901 “Radio Engineering”

(for Bachelor degree – code and title of the field of study)

Record № 10 of “26” 10 2015p.

Acting Head of the Department  
for Major



V. Vasylyev

(signature)

(name)

“26” 10 2015p.

## Expert Review of the Complex Text Package

on the subject Component Base of Electronics  
(title of the subject)

For Field of Study (speciality) 6.050901 “Radio Engineering”  
( for Bachelor degree – code and title of the field of study )

In the CTP reflects the basic concept, concepts, methods and technologies for selection and use of radio, passive and active radio components in the development and operation of electronic equipment in accordance with miniaturization and complex conditions of operation.

Test questions cover the amount of knowledge according to the curriculum. Formation of the issues and their content are designed to determine the residual nature of knowledge, the ability of students to integrate and unify knowledge of components electronics, research functionality, physics processes, structure (design) of the basic properties, characteristics and parameters of the most common passive and active vacuum, semiconductor devices and integrated circuits, to study the characteristics of manufacturing technology, the use and operation of modern radio components of electronic devices, construction principles and operation of power sources that are in modern electronic systems and complexes.

Analysis on indicates that they meet the requirements of the CTP. Overall CTP developed sufficient methodological level and meet the requirements of higher education.

Reviewed considered and endorsed by the graduate chair.

Professor

\_\_\_\_\_  
(position (Head of the Department or  
Leading Expert))



\_\_\_\_\_  
(signature)

O. Solomentsev

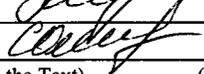
\_\_\_\_\_  
(name)

26. 10. 2015 p

\_\_\_\_\_  
( date)

## List of reference literature that may be used during the Complex Test performance

1. «Интегральные микросхемы». Справочник под ред. В.В. Тарабрина. – М.: Радио и связь, 1984. – 528 с.
2. Лавриненко В.Ю. «Справочник по пулопроводниковым приборам». – К.: Техника, 1984 г. – 525 с.
3. ГОСТ 2.743-82. Обозначения условные графические в схемах, элемента цифровой техники. Введ. 01.07.83 г.
4. ГОСТ 18725-83. Микросхемы интегральные. Общие технические условия. – Введ. 01.07.84 г.
5. ГОСТ 2.759-82. Обозначения условно-графические в схемах.

associate professor		O. Monchenko	05.10. 2015
associate professor		O. Samoilichenko	05.10. 2015
(position of the staff member who developed the Text)	(signature)	(name)	(date)