

CABINS INCLUDED IN THE COMPOSITION OF A KSA:

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"Universal-1E" - a complex of automation equipment for the air force an... https://translate.googleusercontent.com/translate\_c?depth=1&rurl=transl...

- combat control;

- combat control of the IA;

- communications, data transmission and registration;
- power supply and spare parts.

Transportation is carried out on its own using tractors, as well as rail, air and water (sea) transport.

The equipment of the complex of automation equipment "Universal-1E", located in a stationary structure (KP), includes:

- central computing complex;
- a set of display tools;
- a complex of data transmission tools;
- a set of tools for the final documentation;
- computer registration;
- Telecode information recording equipment.

KSA "Universal-1E" is an automated control system with an open architecture, and if necessary, hardware and software can be modified to solve the problems of the KSA KP and the headquarters of the operational level of air defense and air forces, or when changing the configuration, adapt to solving the functional tasks of automated PN IA.

KSA "Universal-1E" implements an automated method of combat command and control of air defense forces and forces through the intervention of combat crew KP in the operation of control algorithms. For this purpose, combat control personnel are provided with information and control resources through a user interface implemented on workstations (AWS) of the complex.

KSA automated workplaces for their intended purpose are divided into the following types:

- AWP, designed to solve the problems of information processing and combat control in real time (AWP combat control);

AWP designed to solve the problems of planning combat operations (AWP planning);

- AWP operational dispatching staff.

At present, the KSA "Universal-1E" is the only complex in Russia that solves the problem of automation of the air defense CP and air forces of the air defense region in real time, performed on a modern hardware and software base.

## MAIN CHARACTERISTICS

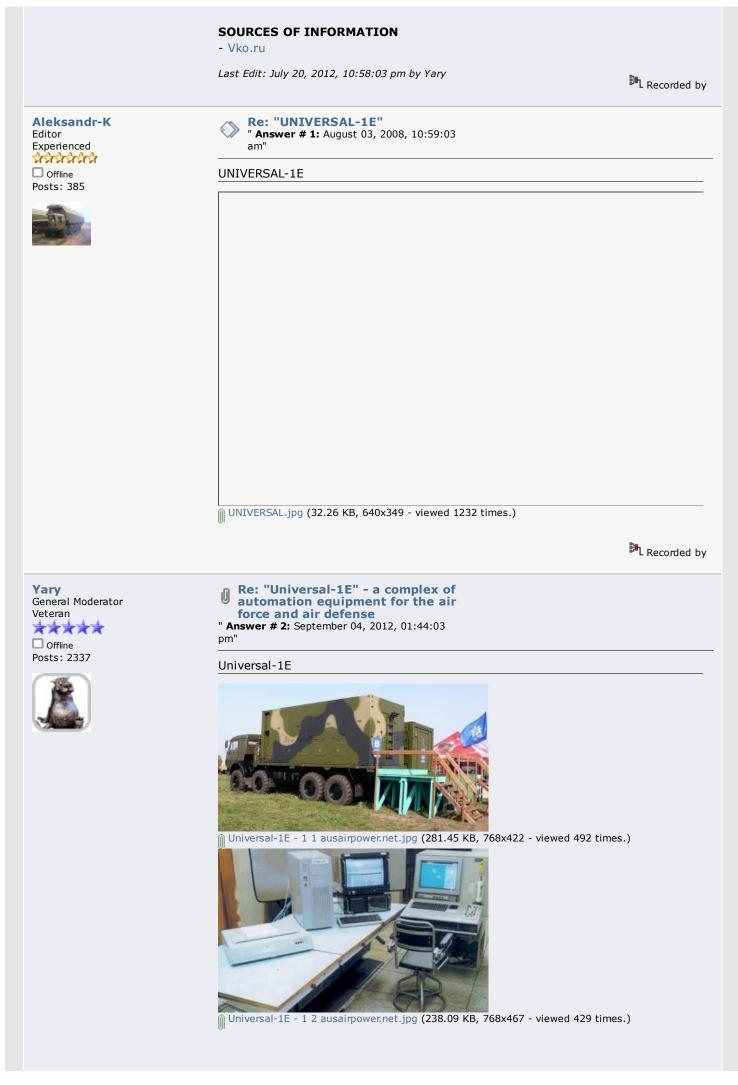
-Number of simultaneously processed air objects (VO) - 300 -Number of managed interacting parts: by telephone - up to 20 by telegraphic channels - up to 16 -Number of simultaneously controlled air defense forces and means: anti-aircraft missile units and parts of object and military air defense - up to 17 fighter aviation units - up to 6 parts (units) of electronic warfare - up to 3 fighters (fighter groups) - up to 10 fighter guidance points - up to 7 radio engineering connections and parts - up to 3 radio engineering units (in survivability mode) - up to 9 airborne radar monitoring and guidance systems - up to 3 the number of interacting KP air defense groups - up to 6

The limits of work by objectives: -by range, km - up to 3200 -in height, km - up to 100 - by speed, km / h - up to 4400

Technical resource, hours - 150,000

Working hours - round-the-clock

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