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 Search[START](#) [HELP](#) [SEARCH](#) [THE CALENDAR](#) [ENTRANCE](#) [REGISTRATION](#)[Russian Arms Forum](#) > [TECHNOLOGY](#) > [Armament and equipment of air defense forces](#) > [Automated air defense systems and controls](#) > **"Rubezh – ME" is an automated control system for fighter aircraft. regiment**Pages: [1] [Go Down](#)[PRINT](#)

Author

Topic: "Boundary – ME" - an automated control system for fighter aircraft. regiment (Read 5869 times)

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WisaGeneral Moderator
Participant Offline
Posts: 228

I'm not a spy, I walk around

**"Rubezh – ME" is an automated control system for fighter aircraft. regiment**

On July 16, 2006 at 4:25:18 pm

"Rubezh – ME"

automated fighter regiment control system

PURPOSE, OPPORTUNITIES

The automated control system (ACS) of the Rubezh-ME fighter aviation regiment (IAP) is intended for the automated control of IAP actions both as part of a territorial group in a centralized control mode and as part of local groupings.

ACS "Rubezh – ME" provides:

- bringing the means of the fighter aviation regiment (IAP) on alert;
- reception, processing and display on the screens of workstations (AWS) of information about the air situation and the results of the IAP combat operations;
- receiving orders from the superior command post (KP) for military operations and issuing to the KP reports on combat readiness and military operations of the IAP;
- automated issuing of control commands to sources of radar information;
- automated solution of navigational tasks, tasks of target allocation and retargeting, automated issuance to launch command posts (UPC) of IAP commands and instructions for combat operations of fighter-interceptors (SP), IP groups;
- management and automated guidance of SPs and SP groups), equipped with the corresponding on-board equipment, for air targets, monitoring the safety of flights of guided aircraft, bringing them to the landing aerodromes after completing a combat mission;
- interaction with neighboring KP IAP or KP anti-aircraft missile units;
- comprehensive training of the combat crew KPA IAP in conjunction with the calculations of subordinate automated control systems and autonomous training in the training mode for practicing methods of warfare;
- documenting the process of combat work and issuing reporting documents on the results of work using printing devices.

Sources of information are all types of radar systems and automated control systems of neighboring air defense forces.

TECHNICAL DESCRIPTION

Contents of delivery:

Basic kit:

1. KP IAP with a combined point of guidance (PN) IP / IP groups "Rubezh-1ME" (as part of 4 cabins) 1
(The number of automated workplaces in the KP control cabin and in each PN guidance cockpit is 4. It is possible to carry AWP's to a separate stationary structure (combat control room), where 2 additional AWP's for KP and IAP can be installed (2 for the control point and 2 for for the guidance point).
2. Remote guidance point "Boundary-2ME" (as part of 3 cabins) up to 2

3. Automation equipment SKP "Rubezh-3ME" in a stationary version up to 3
 4. Reception and transmission center of the PPC ODAZ (as part of 3 cabins) up to 3
 5. Radio station R-161A2M up to 4
 6. Power supply system based on a diesel power station 380 V 50 Hz with a capacity of 2x100 kW and a distribution and conversion cabin 230 V 400 Hz up to 3
- Attached funds:
7. Radio relay station 66Р6Е up to 8
 8. Transmission stations for teams "Rainbow-SPK-75P" as part of KP "Rubezh-1ME" up to 3
as a part of PN "Rubezh-2ME" up to 3
 9. KSA KP of the radio technical battalion PORI-ME for providing automated control systems with radar information up to 1

Means of ACS "Rubezh-ME" are transported by all means of transport - rail, water, air and road.

The equipment KP, PN, ACS "Rubezh-ME" is located in transported semi-trailers (cabins), the equipment of the UPC - in a stationary structure. The comfort of the combat calculation of KP and PN during the operation of ACS means is provided by an air conditioning, heating, ventilation system with protection against toxic, radioactive and bacteriological substances.

TACTICAL AND TECHNICAL CHARACTERISTICS

The number of simultaneously processed air objects up to 78

The number of simultaneously controlled fighter-interceptors (groups) up to 21

Guidance on all types of aircraft flying:

- at a speed of km / h up to 6000
- at heights, km up to 40

Range, km to 1600

Reduction time from standby, min. 3

Coagulation / deployment time, h, not more than 3

The number of persons operating calculation, people fifteen


SOURCES OF INFORMATION

- [Vko.ru](http://vko.ru)

<http://okb-peleng.ru/nashi%20razrabotki.html>

Last Edit: October 23, 2012, 05:44:50 pm by Yary

 Recorded by

Yary
General Moderator
Veteran

 Offline
Posts: 2337




Re: "Boundary – ME" - an automated control system for fighter aircraft. regiment


" Answer # 1: October 23, 2012, 04:07:30 pm"

ACS "Rubezh-ME"



 [Rubezh-ME okb-peleng.ru](http://okb-peleng.ru).jpg (212.48 KB, 1103x684 - viewed 895 times.)

Last Edit: October 23, 2012 04:30:23 pm by Yary

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Do what you must, and whatever happens ...

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