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Posted by [Topic: 73H6 "Baikal-1" - an automated air defense grouping control system](#) (Read 16166 times)

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WisaGeneral Moderator
Participant Offline
Posts: 228

I'm not a spy, I walk around

73N6 "Baikal-1" - an automated air defense grouping control system

"July 16, 2006 2:57:46 am

73H6 "Baikal-1"

automated air defense grouping control system

PURPOSE, OPPORTUNITIES

The automated control system (ACS) 73N6 "Baikal-1" is intended for centralized automatic and automated control of the combat operations of a mixed-air defense group of anti-aircraft missiles, which includes long, medium and short-range anti-aircraft missile systems.

ACS provides:

- reception, processing and display of radar information from several sources, including information from directly connected radars and managed by air defense systems;
- solving the problem of target distribution and target designation of air defense systems and coordination of their military operations.

Managed systems and complexes:

- S-300PS,
- S-300PM,
- S-300PMU-2 "Favorite",
- S-300V,
- S-200V and D,
- S-125,
- S-75M,
- "Buk-M1".

DEVELOPMENT, PRODUCTION

ACS 73N6 "Baikal-1" is produced by the MZ "Proton".

MODIFICATIONS

- [73N6ME "Baikal-1ME"](#) - export performance.

TECHNICAL DESCRIPTION

ACS 73N6 Baikal-1 is a mobile version of ACS [5N37 Baikal](#) . The main equipment of ACS 73N6 "Baikal-1" includes:

- command post 49L6 consisting of:
- container F-900;
- AMU FL-94;
- power supply system 5C15;
- chassis MAZ-543M.
- a set of additional workstations (3 places);
- documentation booth;


- cab spare parts;
 - power supply module 80E6 ;
 - if it is possible to connect to an external power supply, TPS 82X6 is used ;
- The auxiliary equipment of the ACS "Baikal-1" includes:
- Means of interfacing and communication with the KP group of divisions. Interface cabins are located on the combat positions of the divisions:
 - cab 5F20 for S-75 and S-125;
 - Cabin 52L6 for S-200;
 - cabin 53L6 for S-300 air defense system.
 - communications and data transmission equipment;
 - AMU FL-95M "Pine-M" to increase the range of radio communications.
 - cab bench equipment;
 - ZIP 44Ts6;
 - a cabin for the production of documentation 12M6;
 - automotive equipment for the transport of personnel and property.

SPECIFICATIONS


- The number of simultaneously processed air objects 80
 The number of simultaneously controlled SAM 4
 The number of simultaneously managed air defense systems 12
 The number of simultaneously controlled firing systems 144
 The number of workstations 2-5
 Reduction time, min. 3
 Coagulation (deployment) time, min. up to 30
 Work limits:
- range, km 1200
 - in height, km 102.4
 - in speed, km / h 9216
- Attendants 5
 Sources of radar information:
- radar part "Niva-1E"
 - radar units "Osnova-1E", "Pori-ME", "Pori-E"
 - radar post "Field-E (M)"
 - radar station "Desna-M", ST-68UM
 - aviation complex RLDN A-50

SOURCES OF INFORMATION


- S. Ganin, A. Karpenko, V. Zhizhevsky, G. Fedorov. S-300 anti-aircraft missile system. Nevsky Bastion No. 3, 1997
 Nevsky Bastion
 "Army Collection", 1998
 S-300PMU1 - Mobile multi-channel air defense system. Advertising brochure of the company "Volkhov. Defense systems"
 "Arms of Russia". Military parade

 83m6.ejpg (59.72 KB, 480x332 - viewed 360 times.)

Last Edit: April 20, 2017, 05:40:53 pm by Vadim Stepanov

 Recorded by

Aleksandr-K

Editor
 Experienced

 Offline
 Posts: 385



Re: 73H6 "Baikal-1" - an automated air defense grouping control system

" Answer # 1: August 03, 2008, 10:56:00 am"

49I6 self-propelled command post

Alas, this is not so!

In the photo the combat control point (PBU) 54K6 from the composition of controls (SU) 83M6 ZSU S-300PM.

Respectfully,
 Yary



49L6_01_sm.jpg (22.36 KB, 300x225 - viewed 2242 times.)



49L6_02_sm.jpg (19.42 KB, 300x192 - viewed 2219 times.)

Last Edit: November 01, 2012, 09:55:35 pm by Yary

Recorded by

kord
Editor
Veteran
★★★★★
 Offline
Posts: 671

Re: 73H6 "Baikal-1" - an automated air defense grouping control system

" Answer # 2: August 03, 2008, 11:11:48 am"

The first three pictures show "Glade-D4"

[FIXED. Thanks for the amendment!](#)

Last Modified: May 04, 2009, 08:04:01 pm by Wisa

Recorded by

Yary
General Moderator
Veteran
★★★★★
 Offline
Posts: 2337

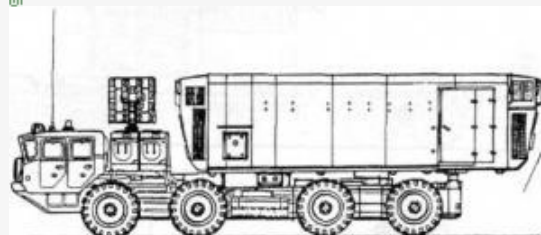
Re: 73H6 "Baikal-1" - an automated air defense grouping control system

" Answer # 3: September 04, 2012, 01:32:18 pm"

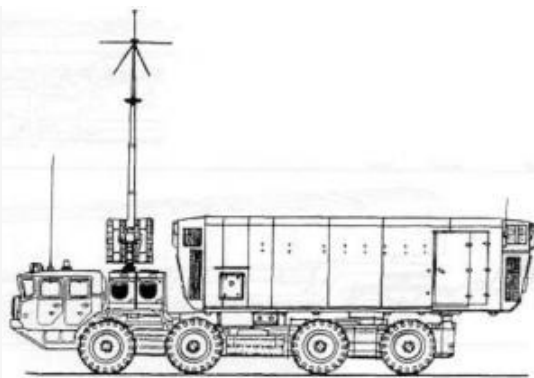
KP 49L6



49L6 - 1 1 ausairpower.net.jpg (226.27 KB, 768x512 - viewed 638 times.)




5K56C - 1 1 vadimvswar.narod.ru.jpg (16.6 KB, 448x200 - viewed 553 times.)



 5K56C - 1 2 vadimvsvar.narod.ru.jpg (17.44 KB, 452x312 - viewed 604 times.)

Last Edit: November 10, 2012 04:01:42 am by Yary

 Recorded by

Do what you must, and whatever happens ...

Yary

General Moderator
Veteran



Offline

Posts: 2337



 **Re: 73H6 "Baikal-1" - an automated air defense grouping control system**

" **Answer # 4:** October 23, 2012, 11:08:24 pm"

Dear colleagues!

And who "live" saw "Baikal-1", and specifically 49L6?

And then the photos **49L6_01_sm.jpg** and **49L6_02_sm.jpg** laid out by the respected Aleksandr-K and photos **49L6 - 1 2 ausairpower.net.jpg**, laid out by me, resemble PBU 54K6, and the unit in the photo **49L6 - 1 1 ausairpower.net.jpg** - PBU 5K56S ...

So we have a photo of two models

1. h "H0 1:87 Raketenwerfer 5P85SU S-300 PMU2 (SA-10C GRUMBLE) BAIKAL Kommando-Zentrale, militär, Kleinserie

[IMG_2567] <http://> "(as for me - a complete hodgepodge - and PU, and Baikal ...)



www.miniatu


And "73304 Control center 73N6 Baikal (MAZ-543M chassis) S-300PMU 1/87" (no better ...)




So what did command point 49L6 really look like? 🤔



www.miniaturmodelle.net

 IMG_2567.JPG (69.86 KB, 1024x768 - viewed 4859 times.)



 73304.jpg (21.59 KB, 640x454 - viewed 4581 times.)

Last Edit: October 28, 2012, 03:07:40 pm by Yary

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Yary
 General Moderator
 Veteran
 ★★★★★
 Offline
 Posts: 2337

 **Re: 73H6 "Baikal-1" - an automated air defense grouping control system**
 " Answer # 5: October 28, 2012, 03:04:53 pm"

In the photo from wikimapia.org, the 53L6 interface cabin with SU 5N83S ZRS



S-300PS at a position near village. Petrovskoe.
In the background PBU 5K56S SU 5N83S ZRS S-300PS



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Do what you must, and whatever happens ...

Yary
General Moderator
Veteran
☆☆☆☆☆
 Offline
Posts: 2337



Re: 73H6 "Baikal-1" - an automated air defense grouping control system
" **Answer # 6:** October 28, 2012, 09:16:59 pm"

Workplaces inside the container KP 40L6



40K6 topgun.rin.ru.jpg (17.81 KB, 357x241 - viewed 600 times.)

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Do what you must, and whatever happens ...

halmiso
Editor
Participant
☆☆☆☆☆
 Offline
Posts: 205

Re: 73H6 "Baikal-1" - an automated air defense grouping control system
" **Answer # 7:** November 01, 2012, 09:17:09 pm"

On the page regularly photo 73N6 only:
49Л6 - 1 1 ausairpower.net.jpg
Also photos of models.
Here is 73N6:
In the second photo near 73H6 there is a cabin similar to 52L6 (it is on wheels)



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Yary
General Moderator
Veteran



Offline
Posts: 2337



Re: 73H6 "Baikal-1" - an automated air defense grouping control system

" Answer # 8: November 01, 2012, 09:43:19 pm"

Does 49L6 have an AMU with an antenna on the starboard side, between the HAP and the container, like the 5K56S, or not?

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Do what you must, and whatever happens ...

archaeologist

Editor
Veteran
☆☆☆☆☆
 Offline
Posts: 770



Re: 73H6 "Baikal-1" - an automated air defense grouping control system

" Answer # 9: November 01, 2012, 09:51:21 pm"

And in what year was Baikal adopted? Though tentatively

Recorded by

Air Defense - wait a minute, cancel

<http://477768.livejournal.com/>

Koja

Young
☆☆
 Offline
Posts: 83



Re: 73H6 "Baikal-1" - an automated air defense grouping control system

" Answer # 10: November 01, 2012, 10:59:21 pm"

Well, I found it, but the quantity is not. There were not many of them, but as many as I think many ...

Система «Сеняж-М» обеспечивала автоматизированное управление огнем дивизионов всех четырех типов, при этом к каналам АСУ возможно подключение трех дивизионов С-300П для их непосредственного управления с КП зенитной ракетной бригады смешанного состава. В этом случае к каналам АСУ можно подключить не более шести дивизионов С-200, С-75 и С-125 в любом сочетании. При таком количественном составе дивизионов общее число каналов, управление огнем которых осуществлялось централизованно с КП бригады, составляло двадцать четыре. Однако данная АСУ не обеспечивала управление огнем дивизионов в бригадах ЗРВ, где количество дивизионов С-300 было больше трех. Для бригад ЗРВ, в которых имелись одна или несколько групп дивизионов С-300, была поставлена задача на разработку новой АСУ. Задание на разработку такой системы было определено постановлением ЦК КПСС и Совета Министров СССР от 26.06.1974 г. № 590-159. Созданный опытный образец системы прошел полигонные и войсковые испытания в 1980—1982 гг., и приказом министра обороны СССР от 17.01.1983 г. № 009 система была принята на вооружение.

PRVALIGA114.jpg (499.27 KB, 1949x1175 - viewed 588 times.)

Recorded by

archaeologist

Editor
Veteran
☆☆☆☆☆
 Offline
Posts: 770



Re: 73H6 "Baikal-1" - an automated air defense grouping control system

" Answer # 11: November 01, 2012, 11:21:24 pm"

Thanks for the information.

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Air Defense - wait a minute, cancel

<http://477768.livejournal.com/>

halmiso

Editor
Participant
☆☆☆☆☆
 Offline
Posts: 205



Re: 73H6 "Baikal-1" - an automated air defense grouping control system

" Answer # 12: November 05, 2012, 03:36:47 pm"

Quote: Yary on November 01, 2012, 09:43:19 pm

Does 49L6 have an AMU with an antenna on the starboard side, between the HAP and the container, like the 5K56S, or not?

AMU FL-94 should be, if not - these are "features of the assembly of Russian technology"



Recorded by

halmiso
Editor
Participant
☆☆☆☆☆☆
 Offline
Posts: 205

 **Re: 73H6 "Baikal-1" - an automated air defense grouping control system**
" **Answer # 13:** November 05, 2012, 03:42:42 pm"

starboard side 73H6



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**Re: 73H6 "Baikal-1" - an automated air defense grouping control system**

" **Answer # 14:** November 10, 2012, 03:26:14 am"

Quote: halmiso on November 01, 2012, 09:17:09 pm

In the second photo near 73H6 there is a cabin similar to 52L6 (it is on wheels)

Maybe it's not 52L6, but something like "ED cab"?

Recorded by

Do what you must, and whatever happens ...

andrej

Editor

Participant



Offline

Posts: 112

**Re: 73H6 "Baikal-1" - an automated air defense grouping control system**

" **Answer # 15:** November 24, 2012, 04:15:51 pm"

73H6 "Baikal-1"



7bSDQ9CnXP0.jpg (84.56 KB, 807x605 - viewed 648 times.)



8jBz_z3TGLE.jpg (233.64 KB, 807x605 - viewed 571 times.)



AUnvInOPx30.jpg (109.13 KB, 807x605 - viewed 521 times.)



[gukjflpvN0c.jpg](#) (170.86 KB, 807x605 - viewed 510 times.)



[mlNiOoSfCNw.jpg](#) (205.61 KB, 807x605 - viewed 557 times.)



[OWKSMm9b_rE.jpg](#) (139.91 KB, 807x605 - viewed 505 times.)



[s0Fpi2SNsJo.jpg](#) (216.55 KB, 807x605 - viewed 663 times.)



wlfkKeiRw8U.jpg (79.7 KB, 807x605 - viewed 579 times.)

Recorded by

halmiso

Editor

Participant

★★★★★

Offline

Posts: 205



Re: 73H6 "Baikal-1" - an automated air defense grouping control system

" **Answer # 16:** November 24, 2012, 11:34:01 pm"

Quote: andrey from November 24, 2012, 04:15:51 pm

73H6 "Baikal-1"

excellent Andrew, you can go to the cabin
first these are - photos





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