

HISTORY OF SMALL SPACE VEHICLE PROGRESS AND DEVELOPMENT AT PLESETSK COSMODROME. CURRENT PROBLEMS OF FURTHER DEVELOPMENT

©2009 V. V. Korotkov, A. V. Vinogradov

Plesetsk Cosmodrome

A historical survey of small space vehicle progress and development at Plesetsk cosmodrome has been carried out. Its leading role in the creation of multielement low-orbit groups intended primarily for military purposes is isolated. A justified conclusion has been made that the tendency to use small space vehicles as part of multicomponent low-orbit groups is obvious for such areas as space communication, remote Earth sounding, scientific research and developing technologies. The main properties of a space supersystem are formulated and major promising developments in such areas as departmental satellite communication systems, space systems of optoelectronic, radioengineering and radar reconnaissance, ecological monitoring and geodesy are specified.

Space system, space complex, space vehicle, technical complex, launch complex.

Korotkov Vitaly Valeryevitch, head of department, Plesetsk cosmodrome, e-mail: viner@atnet.ru. Area of research: problems of testing small space vehicles at technical and launch complexes of a cosmodrome.

Vinogradov Andrey Vladimirovitch, head of laboratory, Plesetsk cosmodrome, e-mail: viner@atnet.ru. Area of research: problems of testing small space vehicles at technical and launch complexes of a cosmodrome.