Outline of R&D on Asia Broadband Satellite Key Technologies

Annex

[Consigned organizations]

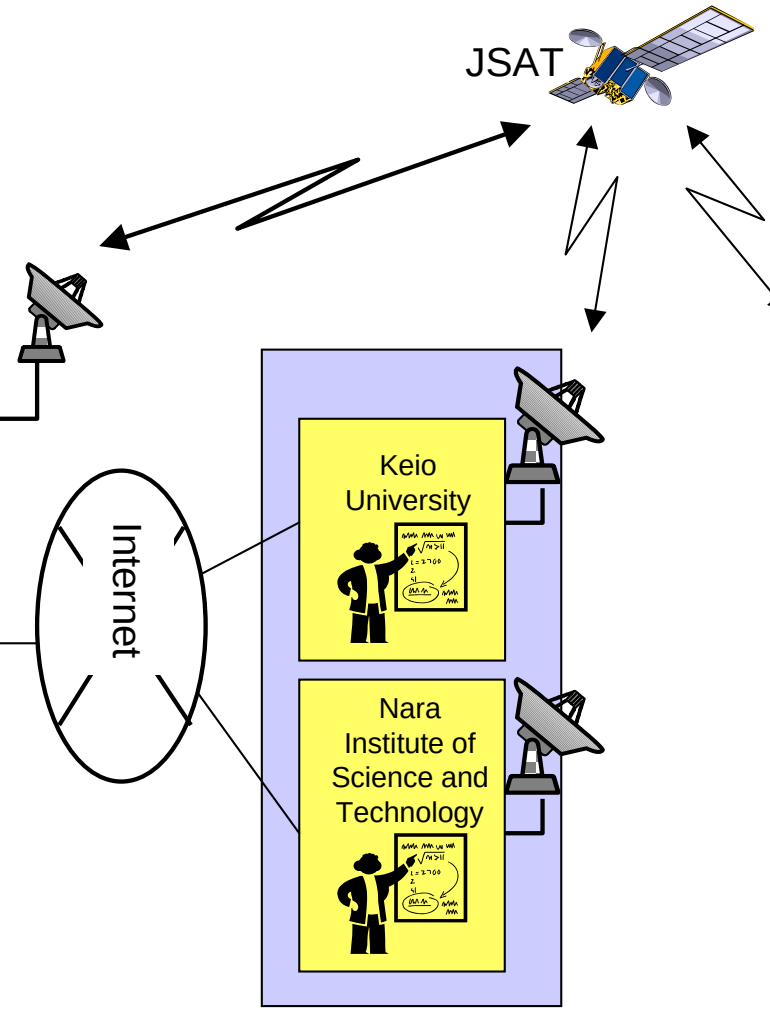
Will carry out R&D on the following themes in collaboration with universities/research institutes of Japan and Asian countries/economies; make efforts to turn the results of those R&D activities into international standards; and encourage widespread use of IPv6 technologies:

(1) IPv6-ready large-scale multicasting technology

To establish multicasting technology for covering several millions of users via satellite links

(2) IPv6-ready dynamic band assignment and management technology

To establish technologies for enabling automatic dynamic band assignment to each earth station through measurement of traffic packets and forecast as well as coordination of requirements from each earth station



- To evaluate IPv6-ready large-scale multicasting technology, IPv6-ready dynamic band assignment and management technology
- To carry out research on application technologies, such as transmission/synchronization of high-quality sound/images, distance learning (tele-education)

The Philippines
ASTI (Advanced Science and Technology Institute)

Vietnam
IOIT (Institute of Information Technology)

Thailand
AIT (Asian Institute of Technology)

Malaysia
USM (Universiti Sains Malaysia)

Singapore
TP (Tamasek Polytechnic)

Indonesia
ITB (Institut Teknologi Bandung)