

# Third Laureate Research & Development

◆ **Project title:** High Speed Satellite Terminal With DVB-RCS  
Technology and Terrestrial Backup

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## **Abstract:**

Enterprise Communication is a key infrastructure to modernize large organizations like banks which leads to economical development. The need to expand VSAT network as the first communication infrastructure for Iranian banking system had led us to develop a new satellite communication device based on DVB-RCS European standard. Moreover, the recent development of terrestrial network offered by TCI encouraged us to use this infrastructure in parallel with VSAT network as the back-up. Therefore VSAT Network Back – VNB device is also developed to act as a Gateway/Router to switch the data stream between main and back-up line with no service interruption. All levels of product development, basic design to advanced implementation and production are done in the R&D department of Infomatics Services Corporation and products has been deployed in more than 3000 branches of Bank Melli Iran, Bank San'at-va-Ma'dan and Bank Saderat.