

## Performance Based Navigation (PBN) implementation Workshop (April 29, 2015)

A PBN implementation Workshop was held at the National Aviation University as a special session of the Twelfth International Conference of Science and Technology "AVIA-2015".

This Workshop has been organized in the framework of the international project Ukraine (UKraine Replication, Awareness and INnovation based on EGNSS). This project has received funding from the European GNSS Agency under the European Union's Horizon 2020 research and innovation programme under grant agreement No 641517.

The objectives of the UKRAINE project, in line with GALILEO-3-2014 Call, are to foster application development through international cooperation and to create a broad acceptance of EGNSS in Ukraine, creating at the same time opportunities both for knowledge building and at commercial level. One of the expected impacts of this project is a preparation of the Ukrainian aviation market to the extension of EGNOS at the territory of Ukraine.

The following representatives attended the workshop: from National Aviation University (Vice rector on Research, Volodymyr Kharchenko, Director and workers of "Aerospace Center" Vasyl Kondratyuk, Valeriy Konin, Svitlana Ilynska, Oleksandr Kutsenko, Chief of Air navigation department, Tetyana Shmelyova, and others), Spanish company PildoLabs (Mercedes Reche and Marc Torres), State Aviation Administration of Ukraine (SAAU) (Roman Lykyanchuk, Vasyl Sivolap and Alina Zadorozhnyia), Ukrainian State Air Traffic Service Enterprise (UkSATSE) (Pavlo Kud and Oleksiy Rudiy), International Airport "Kyiv" (Zhulyany), (First Deputy General Director for investment and coordination of work with airlines, Oleh Petrovskiy and Chief of flight safety control and air navigation means, Oleh Lyubyt'skiy), representatives of National Center for Control and Testing of Space Vehicles of State Space Agency of Ukraine (First Deputy Head, Kostyantyn Volokh and Head of the department, Oleh Ilyuchok), Coordinator of Transport Sector of EU Delegation in Ukraine, Svitlana Didkivska, Director of "Geoscan" company, Viktor Sushko, First Deputy General Director of "MASTER-AVIA" company, Valeriy Polishchuk, Head of the marketing research department of State enterprise "Orizon-navigation", Andriy Kryvov'yz. The Deputy Minister of Education and Science of Ukraine, Maksym Strikha, sent a letter of support with wishes for fruitful cooperation and successful future international projects.

The event not only included presentations but also open discussions and debates about different aspects related to PBN implementation. GNSS systems used for aviation, Flight Validation, the Ukrainian PBN implementation plan and the experience of NAU in the investigation of GNSS technologies were some of the topics that cause more interest to the audience.

Open discussions took place between representatives from UkSATSE, NAU, Zhulyany airport and Pildo Labs about possible cooperation for implementing PBN instrument approach procedures in Ukraine. Pildo Labs, who has a wide experience on the design and validation of PBN procedures, confirmed that they totally support the initiative of taking advantage of the project for moving forward with the operational implementation of PBN approach procedures in one Ukrainian airport.

