



Presentation

For more than 50 years, in Colombia, a state of abnormality has arisen considering the persistent threats against the democratic and social order, affecting thousands of citizens, families and thus regions of our country. Hence the need to recover institutional control of the territory, where security conditions are fundamental to facilitate the unified action of other institutions of the State, on the social and economic level, in the territories where the greatest gaps have been presented in this order, with great prospects for foreign investment, without forgetting priority topics such as education.

The role of the Armed Forces within the framework of the post-agreement with FARC, has been the articulator of capacities to offer security and stability conditions for the protection of the population and the isolation of different actors that generate violence. In particular, the Colombian Air Force has developed a role and a mission around the application of distinctive capabilities for airspace control, direct actions for neutralization of high value military targets, multiplying the capabilities of other forces in terms of mobility, recognition, intelligence and surveillance, as well as aerial operations in the framework of attention of natural disasters, where the population is geographically isolated or where the aerial mean is the only one to attend primarily a group of vulnerable people.

In this sense, the FAC has estimated education as a factor for the development of new capabilities and the survival of the Force, in accordance with the National Development Plan 2014-2018, in its chapters IV. Colombia, the most educated and V. Competitiveness and Strategic Infrastructure, from which the Colombian Government has great expectations by projecting and increase of Research capabilities, Development and Innovation (I+D+I); heritage necessary for the materialization of national interests, for the sake of peace, well-being and the positioning of a regional average power. As well as the necessary environment to achieve sustainable results, collaborative environments and early victories, coupled with the cohesion and recuperation of the social fabric, before the insertion of the group of demobilized FARC people to society and their own social mobility. In this context, there are several challenges and special situations that the national government has proposed along with the Higher Education Institutions (IES), moreover, those who make part of the FAC's organization. The latter are vital players in successful use of the installed capacity in favor of the scientific and technological production of our country, with the aim that their results contribute in a significant way the reconciliation, inclusion and participation in order to build a sustainable and positive peace in the regions of our nation.

In this sense, the Postgraduate School of the Colombian Air Force (EPFAC) as one of the IES of the FAC, in the framework of the post-

agreement, has conceived the *applied investigation* as a fundamental pillar for the generation of new knowledge and technological development, whose results achieve to impact and influence in the formulation of public politics in the aeronautical and aerospace fields of the country; for that, it has given academic and investigative spaces for the strengthening and dynamization of its lines of investigation: i) operational safety; ii) education and TIC; iii) aviation logistics and services; for last, iv) military and aerospace doctrine.

In addition to the above, the magazine *Science and Air Power*, edited by our Institution from its editorial lines, has also proposed to work hard and bold towards the path of peace, through the generation of new Knowles, whose contributions have impacted not only the aeronautical and aerospace sector from the operational safety and aviation logistics field, management and strategy, technology and innovation, also in education and ICT.

Let this be an opportunity to highlight the great work that each and everyone of the people that is involved, year after year, in our editorial projects. My most sincere acknowledgment to all the agents of change who participated in this new volume, 11th edition, which has printed the desire and determination to add, from its expertise and research work, around the Government Plan “all for a new country – peace, equity and education”.

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