

# Policy on Aerospace Technical Standardization (2021-2025)



## INTRODUCTION

The 2<sup>nd</sup> December 2019, the Minister of the Economy approved the national standardization strategy for the period of 2020-2030. ILNAS, the National Standards Body, is in charge to carry out this strategy. The afore-mentioned document aims at ensuring development of a unified technical standardization (hereinafter referred to under the generic term "standardization") culture, as well as the growth of various economic sectors in Luxembourg. In furtherance of the above objective, the national development of research and education activities and related awareness raising are the strategy's keystone.

In this frame, the national standardization strategy has notably targeted the importance of the aerospace sector as being of a particular interest for the Luxembourgish economy (the other identified priorities are the "ICT" and the "Construction" sectors for which dedicated national policies on technical standardization have already been published).

The national policy on aerospace technical standardization has been defined in order to foster and strengthen the involvement of the national stakeholders of the specific sector in standardization through three lead projects:

- ◆ **Promoting aerospace technical standardization to the market;**
- ◆ **Reinforcing the valorization and the involvement regarding aerospace technical standardization;**
- ◆ **Supporting and strengthening Education about Standardization and the related research activities.**

## I - PROMOTING AEROSPACE TECHNICAL STANDARDIZATION TO THE MARKET

### A) Drawing up a yearly national standards analysis for the aerospace sector

The national standards analysis for the aerospace sector aims to constitute a sector-based "snapshot".

This survey and analysis of European and international standards shall be realized in several steps listed hereafter:

- ◆ Execution of a standards watch of the related sector (inventory of standards – both published and under development – at the European and international levels; identification and description of technical standardization committees; mention of the related national representation);
- ◆ Identification of relevant national companies, national agencies and Fora/Consortia related to the aerospace sector;
- ◆ Preparation of the final report with the results of the above mentioned standards watch and the identified opportunities.

## **B) Defining a national implementation plan for aerospace technical standardization (in line with the national standards analysis)**

A national implementation plan for aerospace technical standardization, directly related to the national standards analysis, shall be developed by ANEC GIE (*“GIE Agence pour la Normalisation et l’Economie de la Connaissance”* – Standardization department), under the supervision of ILNAS. Based on the detailed information provided, the aim is to involve targeted stakeholders of the Grand Duchy of Luxembourg in a global approach to standardization in order to support the sector in terms of competitiveness, visibility and performance, while enhancing the international recognition of the Luxembourg at the standards level.

This implementation plan will be drawn up on a yearly basis in order to ensure that it is in line with the national standardization priorities, notably the prospective domain of aerospace.

## **II - REINFORCING THE VALORIZATION AND THE INVOLVEMENT REGARDING AEROSPACE TECHNICAL STANDARDIZATION**

### **A) Participating in relevant technical committees**

In order to provide the most relevant information on technical standardization to the national aerospace community, ILNAS commissioned ANEC GIE to analyze the national market needs of this specific sector in order to define a list of relevant technical committees (European and international). Once the relevant technical committee have been identified, ANEC GIE will follow them closely and directly.

The identification of the relevant committees will be done in the context of the national standards analysis for the aerospace sector.

### **B) Promoting the participation of the national market in technical standardization committees and the use of relevant standards**

The active involvement in relevant technical committees will allow a transfer of standardization knowledge to the national market, aiming to promote the participation of national stakeholders in these specific committees, as well as to enhance the use of technical standards in the aerospace sector.

ANEC GIE is in charge to establish and carry out these tasks under the supervision of ILNAS. Three main actions have been defined:

- Promote, in collaboration with the National Standards Body, the use of the ILNAS reading stations (free consultation of the ILNAS standards catalog);
- Organize events to promote participation in technical standardization committees and the use of relevant standards in the aerospace sector;
- Meet and raise the awareness of the national stakeholders (companies, national agencies, Fora/Consortia, etc.) of the aerospace sector.

### **C) Create transversal links with the ICT domain**

The aerospace sector, which is of a particular economic importance and has a huge potential in Luxembourg, is evolving in parallel with the development and the usage of ICT.

In the context of the national standardization strategy 2020-2030, it is important to create transversal links with technical standardization of the ICT domain in order to identify new opportunities for common developments.

Relevant information will be provided to the national stakeholders active in the aerospace sector, in order to allow them to improve the efficiency of their processes, to facilitate communication, to identify new business opportunities and to develop new markets.

## **III - SUPPORTING AND STRENGTHENING EDUCATION ABOUT STANDARDIZATION AND THE RELATED RESEARCH ACTIVITIES**

ILNAS commissioned ANEC GIE to reinforce the research and innovation activities related to technical standardization in the aerospace sector, notably by defining and carrying out new research and education projects.

In this frame, the different developments could be:

- Analysis of the current research trends and outlooks related to the aerospace sector;
- Support of future doctoral students (in collaboration with the University of Luxembourg), for example on research projects concerning the use of ICT in the aerospace sector;
- The publication of white papers and / or other research publications on technical standardization in the field of aerospace;
- Evaluating the possibilities to integrate educational content on aerospace technical standardization into educational programs or creating new educational programs dedicated to aerospace technical standardization.

## **CONCLUSION**

**The Luxembourg's policy on aerospace technical standardization (2021-2025) should enable to:**

- ◆ **Strengthen the national aerospace standardization community;**
- ◆ **Organize and develop the aerospace technical standardization representation at national level;**
- ◆ **Contribute to raising awareness on aerospace technical standardization according to the market needs;**
- ◆ **Increase the national representation within European and international technical committees in the field of aerospace technical standardization;**
- ◆ **Foster the use of relevant standards in business activities for the benefit of the national stakeholders;**
- ◆ **Develop research and education activities in relation to aerospace technical standardization considered as being of national interest.**

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