

Second Newsletter JAHARP2021-05

WHAT IS THE STATUS OF NON-COMPLIANCE OF WLAN PRODUCTS?

ABOUT THE PROJECT

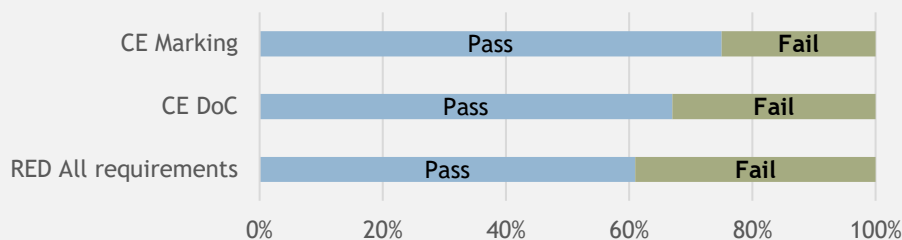
The [JAHARP2021-05](#) Project is a pan-European project which started in August 2022 and will soon reach its completion. This project falls within the scope of the Radio Equipment Directive 2014/53/EU.

KEY OBSERVATIONS

After a thorough market and risk analysis, the project group identified **30 WLAN products** (Wi-Fi access points, 5GHz systems, routers, indoor and outdoor access points) for documentation checks and for testing in a laboratory.

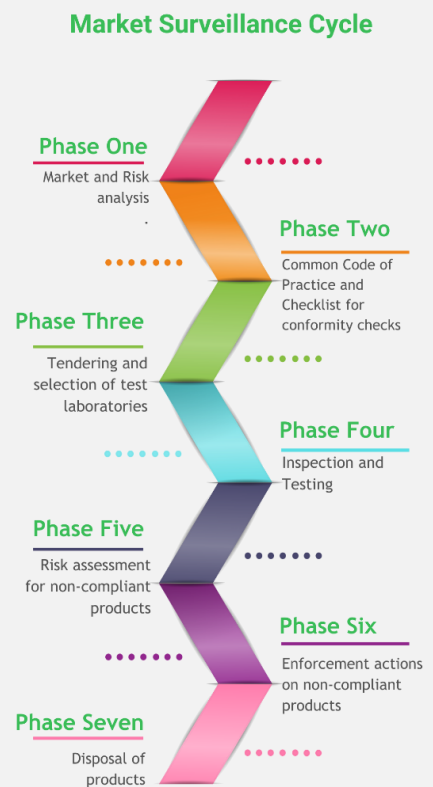
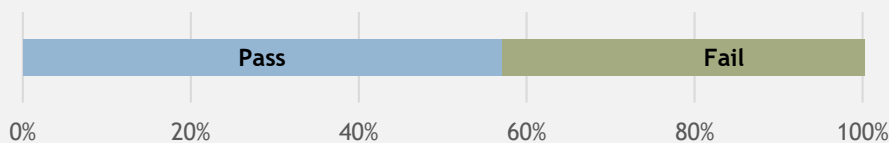
Interim results for both the documentation checks and the product testing have been collated and are currently being subjected to enhanced evaluation.

Current indications are that approximately **30% of products have failed to meet all documentation requirements.**



The graph above shows that documentation failures occurred fairly evenly across the RED requirements, CE Declaration of Conformity and the CE marking checks.

Concerning the testing, current indications suggest that **53% of the products have failed at least one of the RED requirements** that was tested. The MSAs are undergoing a final evaluation of the results and will provide definitive data during the final conference.



PARTICIPATING AUTHORITIES

6 Market Surveillance Authorities from the following 6 Countries have participated in this Joint Action coordinated by [PROSAFE](#): France, Greece, Latvia, Luxembourg, the Netherlands, and Switzerland.

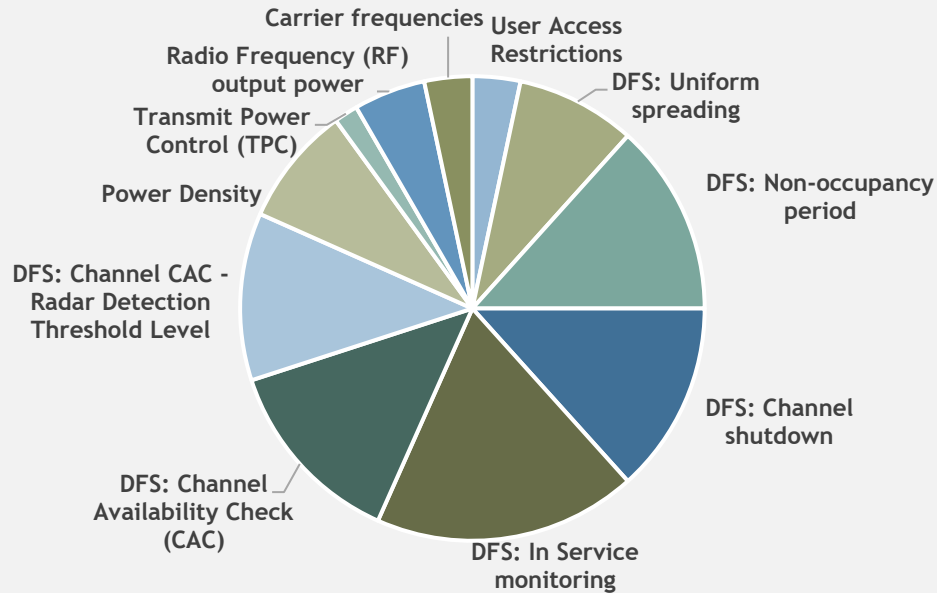
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The main areas of non-compliance observed to date relate to the Dynamic Frequency selection (DFS), in particular concerning the parameters of in-service monitoring, non-occupancy period, channel shutdown and channel availability check. An overview of the non-conformities detected is shown in the graph below.



MAIN CHALLENGES

MSAs face several challenges associated with compliance verification of these products.

In general, **testing WLAN 5 GHz equipment against the essential requirements in RED is complex and very costly**. For this reason, under this project we have decided to conduct “smart testing” and reduce the test programme to the most relevant parameters, in order to still have a good indication of the compliance of each product. In light of these high costs, the number of products to be tested was also reduced to 30 from the 44 which we initially envisaged.

In addition, there is a significant amount of **testing on WLAN 5 GHz products that cannot be undertaken without access to manufacturer data**, adding another layer of complexity to the laboratory testing.

MSAs also face difficulties in **comparing test results from manufacturers with test results from the project** due to variances in product configurations and testing methodologies (Conducted or Radiated approaches). This is partly due to the fact that MSAs do not always have access to the configuration information and/or to the specialist software tools used to adjust the product settings.

The market surveillance officers participating in this project gathered the above mentioned and a number of other learning points which will be provided to the European Commission and brought to the attention of the EU-27 MSAs for their future campaigns and Joint Actions in this field.

FINAL CONFERENCE

The final conference of JAHARP2021-05 will take place online on 27 November 2024. The final results will be shared and discussed with the European Commission and stakeholders. If you are interested, you can join the conference at this [link](#).

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