



**Decentralized AI and Architectures for Massive Wireless
Network Slicing Scalability and Sustainability in 6G**

RESILIENT

Grant No. TSI-063000-2021-55

E6: Demonstration of AI-assisted security monitoring and enforcement



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Plan de Recuperación,
Transformación
y Resiliencia



Centre Tecnològic de
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Abstract

This report provides the link to the videos recorded of 6G DAWN RESILIENT proof of concept demonstrations of each use case.

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Disclaimer

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List of Acronyms

NPN	Non Public Networks
PoC	Proof of concept
QoS	Quality of Service
R	RESILIENT
RAN	Radio Access Unit
UC	Use Case
xApp	Cross Application



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Executive Summary

This document presents the links to the videos recorded of the demonstration of the proof of concepts of the different use cases of 6G DAWN RESILIENT.

1 Introduction

In this report are listed the links to the videos recorded of the different proof of concepts. In [1] are presented and detailed the proof-of-concept implementation and results.

2 Demonstration 6G DAWN RESILIENT

6G DAWN RESILIENT subproject defines two different use cases, and the following proof of concepts:

- Use Case R1 Decentralized 6G Security
 - R UC1 PoC1 - Decentralized intrusion detection and mitigation
 - R UC1 PoC2 – Trustworthy Federated Learning enabled through smart contracts and Blockchain
- Use Case R2 Network Resiliency vs QoS and Energy Efficiency
 - R UC2 PoC1 - Detecting and Isolating Energy Consumption-Heavy Users

PoC	Title	Video Link
R-UC1-PoC1	Decentralized intrusion detection and mitigation	https://youtu.be/nSBaElZUonw
R-UC1-PoC2	Trustworthy Federated Learning enabled through smart contracts and Blockchain	https://youtu.be/DzJUeufgMMw
R-UC2-PoC1	Detecting and Isolating Energy Consumption-Heavy Users	https://www.youtube.com/watch?v=gNW2v2nkP38&t=10s

3 References

- [1] 6GDAWN_E5_RESILIENT