



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

ELASTIC

Grant No. TSI-063000-2021-54

E6: Demonstration of AI-assisted slice multi-domain service management



Abstract

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

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List of Acronyms

E	ELASTIC
NPN	Non Public Networks
PoC	Proof of concept
QoS	Quality of Service
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 ELASTIC.

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 Demonstrations 6G DAWN ELASTIC

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

- Use Case E1 Energy Efficiency vs QoS
 - E UC1 PoC1 - Dynamic RAN xApp
 - E UC1 PoC2 - Energy optimization system in NPNs
- Use Case E2 E2E network resources optimization
 - E UC2 PoC1- Proactive infrastructure status prediction module

PoC	Title	Video Link
E-UC1-PoC1	Dynamic RAN xApp	https://youtu.be/UFTPxtqV1TE
E-UC1-PoC2	Energy optimization system in NPNs	https://www.youtube.com/watch?v=RemH5BFtOIU
E-UC2-PoC1	Proactive infrastructure status prediction module	https://www.youtube.com/watch?v=YfTgk6bNM64&t=1s

3 References

- [1] 6GDAWN_E5_ELASTIC