

# Overview of national measures against fraudulent spoofing

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# regulation made simple

Cutting through the complexity of communications sector **regulation, policy and law:**



telecoms



media



digital  
economy



postal



competition



radio  
spectrum



consumer  
protection



sustainability



internet  
of things



✓  
across  
**the globe**



✓  
to provide **clarity**  
and independent  
**insights**



regulatory  
training



regulatory  
intelligence



custom  
research



conferences  
& networking

# Overview of measures adopted in a selection of European countries

Focus of research:

- 15 European countries (14 EU member states + UK)
- Measures adopted by NRAs
- Measures tackling scams using CLI spoofing practices

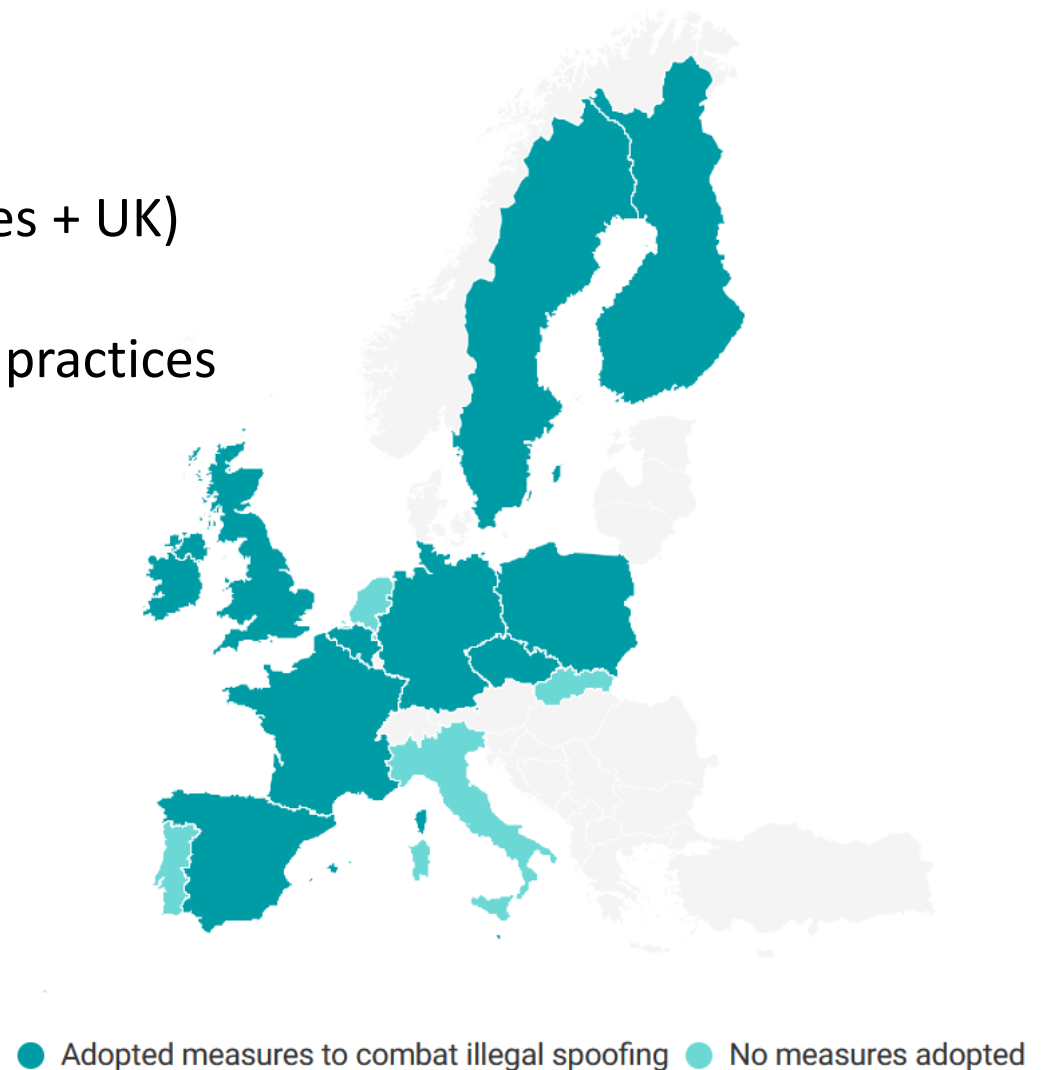
# Overview of measures adopted in a selection of European countries

## Focus of research:

- 15 European countries (14 EU member states + UK)
- Measures adopted by NRAs
- Measures tackling scams using CLI spoofing practices

## Key findings:

- 11 out of 15 countries adopted measures to fight illegal spoofing practices
- Most measures were adopted in 2024
- Different types of measures adopted

















# Blocking incoming international calls using a national CLI

	Belgium	✓
	Czech Republic	✓
	Finland	✓
	France	
	Germany	
	Ireland	✓
	Italy	
	Malta	✓
	Netherlands	
	Poland	✓
	Portugal	
	Slovakia	
	Spain	✓
	Sweden	✓
	United Kingdom	✓

- Operators should block calls originating from abroad and using a national number as CLI
- Blocking of fixed numbers is more widespread, often with exceptions
- Some national measures also require blocking mobile numbers, while addressing the issue of legitimate roaming users

# Do-not-originate registry

	Belgium	✓
	Czech Republic	✓
	Finland	
	France	
	Germany	✓
	Ireland	✓
	Italy	
	Malta	
	Netherlands	
	Poland	✓
	Portugal	
	Slovakia	
	Spain	
	Sweden	
	United Kingdom	✓
















- National database of numbers that can never be used for outgoing calls
- Examples include numbers of banking services, premium numbers, emergency numbers, numbers for directory services...

# Protected numbers registry

	Belgium	
	Czech Republic	✓
	Finland	
	France	
	Germany	
	Ireland	✓
	Italy	
	Malta	
	Netherlands	
	Poland	
	Portugal	
	Slovakia	
	Spain	✓
	Sweden	
	United Kingdom	

- List of phone numbers that the NRA did not assign, and which cannot be used to originate calls.
- Examples include calls when the CLI field is empty, not assigned to any service or not consistent with the national numbering plan

















# SMS sender ID registry

	Belgium	
	Czech Republic	
	Finland	✓
	France	✓
	Germany	
	Ireland	✓
	Italy	
	Malta	
	Netherlands	
	Poland	✓
	Portugal	
	Slovakia	
	Spain	✓
	Sweden	
	United Kingdom	✓

- Registry of alphanumeric SMS sender ID
- Operators must block SMS with a sender ID that is not registered, or when the sender is not the registered source


















# STIR/SHAKEN

	Belgium	
	Czech Republic	
	Finland	
	France	
	Germany	
	Ireland	
	Italy	
	Malta	
	Netherlands	
	Poland	
	Portugal	
	Slovakia	
	Spain	
	Sweden	
	United Kingdom	

- STIR/SHAKEN requires providers to authenticate and digitally sign the caller's ID at the call origination and verify it at the termination.
- Works on all-IP networks (not on legacy PSTN networks)
- French operators implemented STIR/SHAKEN in October 2024

# Overview of measures taken by NRAs

	Countries	Blocking international calls with a national CLI	Do-not-originate registry	Protected numbers registry	SMS sender ID registry	STIR/SHAKEN
	Belgium	✓	✓			
	Czech Republic	✓	✓	✓		
	Finland	✓			✓	
	France				✓	✓
	Germany		✓			
	Ireland	✓	✓	✓	✓	
	Italy					
	Malta	✓				
	Netherlands					
	Poland	✓	✓		✓	
	Portugal					
	Slovakia					
	Spain	✓		✓	✓	
	Sweden	✓				
	United Kingdom	✓	✓		✓	



# Thank you!

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