

Security and Resilience of Critical Communications Networks and Services

ENISA's Contribution

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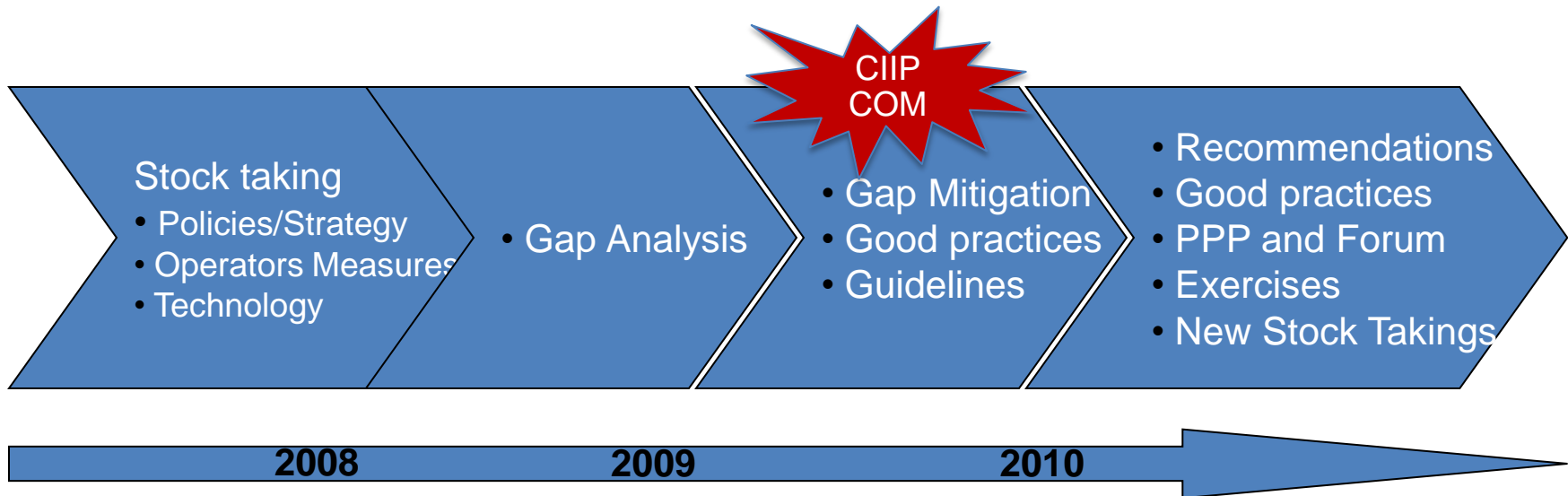
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ability of a system to provide & maintain an acceptable level of service in face of faults (unintentional, intentional, or naturally caused) affecting normal operation

ENISA's Resilience

Collectively evaluate and improve resilience of European public eCommunications Networks



By 2010, the Commission and at least 50% of the Member States have made use of ENISA recommendations in their policy making process

Stock Takings & Analysis



25 countries

- 23 MS
- 2 EFTA countries

Policy

http://www.enisa.europa.eu/doc/pdf/resilience/stock_taking_final_report_2008.pdf

Provider Measures

http://www.enisa.europa.eu/doc/pdf/deliverables/enisa_network_provider_measures_on_resilience.pdf

Policies & Strategy – 10 Recommendations

- ★ co-ordination mechanisms to enhance consistency and coherence of national strategies and policies
- ★ soft-law instruments (e.g. guidelines, recommendations, good practices)
- ★ enforcement practices =? operators' compliance
- ★ implement a holistic and integrated national risk management process
- ★ assess the degree of operators' adherence to preparedness measures
- ★ one State = 1 national/Gov CSIRT/CERT
- ★ need for more good practice guidance – ENISA's chance!
- ★ establish national trusted information sharing schemes
- ★ cost effective incident reporting procedures based on good practices
- ★ need for a consistent pan European policy and strategy

Upcoming Good Practice Guides

- ★ **Incident Reporting**
 - ★ good practice guide on how to implement article 13 of new Telecom Package
- ★ **National Exercises**
 - ★ good practice guide for designing/implementing national & first pan European exercise
- ★ **Providers Measures**
 - ★ guidelines on cooperation, mutual aid practices, business continuity exercises, third party dependencies
- ★ **DNSSec Deployment**
 - ★ DNSSec deployment good practices guide, cost benefit analysis, Trusted Anchor Repositories policy and good practices
- ★ **Cloud Computing**
 - ★ Resilience features of cloud computing
- ★ **Priorities of Research On Current and Emerging Network Trends**
 - ★ research trends, R&D areas and priorities for EU funded R&D Programmes
- ★ **Standardization activities in resilience**
 - ★ Identification of standards and gaps



