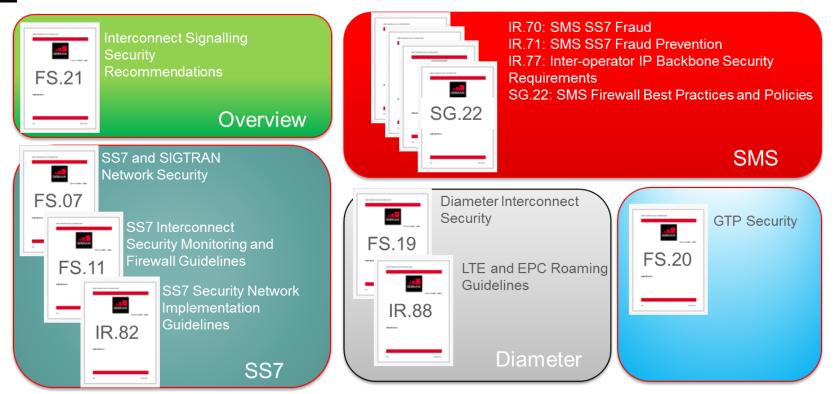


Interconnect Signalling Security

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GSMA Interconnect Security Recommendations





Business case for implementing countermeasures

- Protect customer -> Protect Brand-> Protect Business
- Network resilience
- Fraud protection
 - Including mobile financial services
- Support partners
 - Digital financial services using SMS or USSD





Response & Controls Implementation

Considerations

- Risk tolerance
- Skill sets needed
- Network / signalling node & architecture changes
- Upfront and ongoing costs
- Current vs. needed signalling visibility
- How might attacks evolve in future?

Approaches

- Passive Monitoring
- Active Testing / Auditing
- SMS Home Routing
- Filtering on STPs and End Nodes
- Firewalls (SS7, Diameter, GTP)
- Advanced Analytics



Communications

- All members
- CEO level
- Fraud and Security Group (FASG)
- Regional outreach

Intelligence Sharing

- Telecommunication Information Sharing and Analysis Centre (gsma.com/t-isac)
- Submission and sharing of alerts amongst GSMA members