GSMA Service Showcase Live #5
Building resilience into network equipment security

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GSMA NESAS Process Audits

- GSMA NESAS audit requirements are divided into seven main areas
  - **General requirements**: Version Control System, Change Tracking, Staff Education, Continual Improvement, Sourcing of 3rd Party Components, etc.
  - **Design**: Security by Design
  - **Implementation**: Source Code Review, Source Code Governance
  - **Build**: Automated Build Process, Build Process Management
  - **Testing**: Security Testing
  - **Release**: Software Integrity Protection, Unique Software Release Identifier, Documentation Accuracy, Security Documentation
  - **Operation**: Vulnerability Information Management, Vulnerability Remedy Process, Security Point of Contact, etc.

- Security measures are assessed in terms of coverage, effectiveness, efficiency and application
- In order to verify that the security measures are applied an on-site audit is performed
# Schedule

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The entire audit needs to be completed in max. 3 months
How to prepare for a process audit?

- **Preparation**
  - Document development and product life-cycle processes
  - Get familiar with the newly published NESAS Audit Guidelines (FS.46)
  - Perform internal assessments and verify compliance to the GSMA NESAS requirements
  - Be open and transparent with the auditors, ask questions

- **Documentation review**
  - Provide information in a structured way
  - Don’t forget to mention differences between products lines

- **On-site audit**
  - Get the right people involved and interviewed
Common issues and resolution

- Common issues
  - Preparation & Documentation
    - Development and life-cycle processes are not documented, outdated or insufficient
  - On-site audit
    - Geographical distribution and time zone differences

- Resolution
  - Preparation is key to success
  - Contact auditors as early as possible