Drone Identification & Authentication

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Creating a Better Future with Drones
Rapid growth in the drone market due to shift from toy to professional drones

- **Trend**: Shift from toy towards professional applications
- **Growth**: Strong market growth – US$100 Billion
- **Multi-application**: Multi-function & applications platforms developing
- **New ecosystem**: Creating a new eco-system – Hardware to services
- **Regulation**: Standards & regulation arising
Regulation drives security for drones

Several activities regarding regulation for drones are already ongoing and focusing largely on security.

Suggestion of a Drone Identity Module

Requirements discussed in ISO SC 17

SIM form factor & eGOV principles
Possible use case for connected drones based on eSIM solutions – Drone ID (remote)

- Drone sends ID and location via LTE network
- Reconnaissance Server
- Incident tracking

- Cellular connectivity supports security
- eSIM supports communication and regulation requirements
Further security use case implementations

- Drone ID
- Battery & Ancillaries Authentication
- Protected Control
- Protected Communication
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