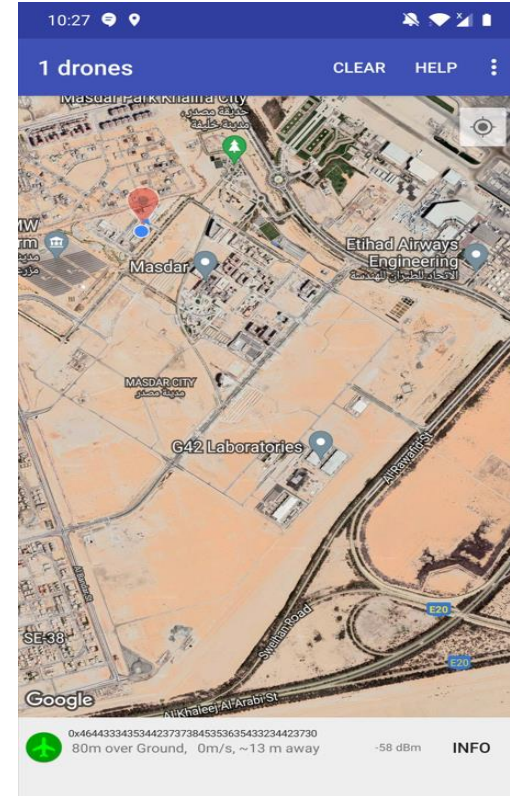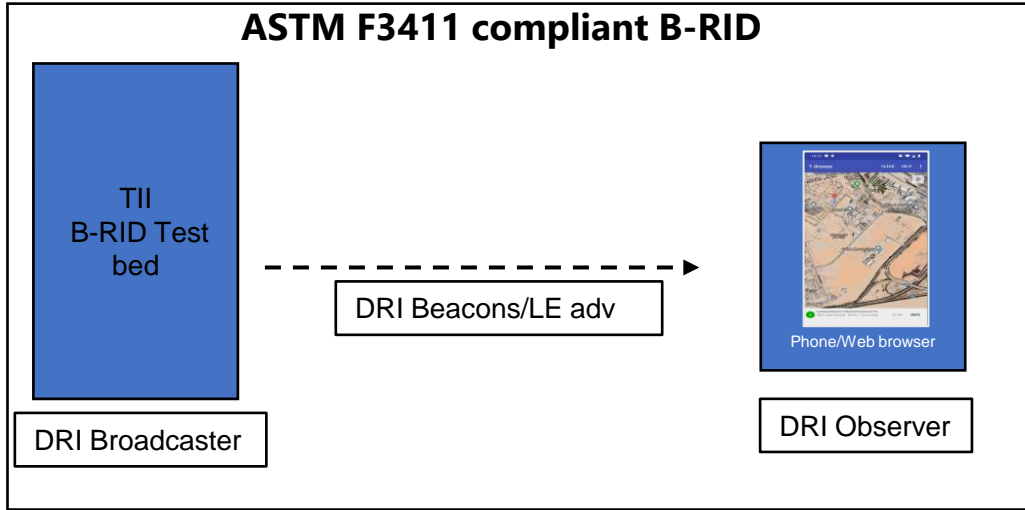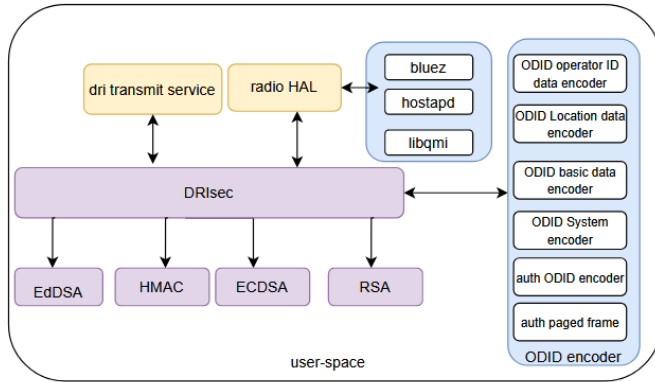OpenUTM DRIP Importer – TII and OpenUTM
IETF118
Govind Singh
Principal Engineer

Broadcast RID Integration- Wi-Fi beaconing/LE Adv Mode

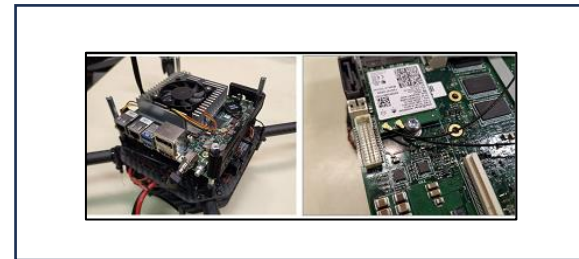# Broadcast RID HW - POC

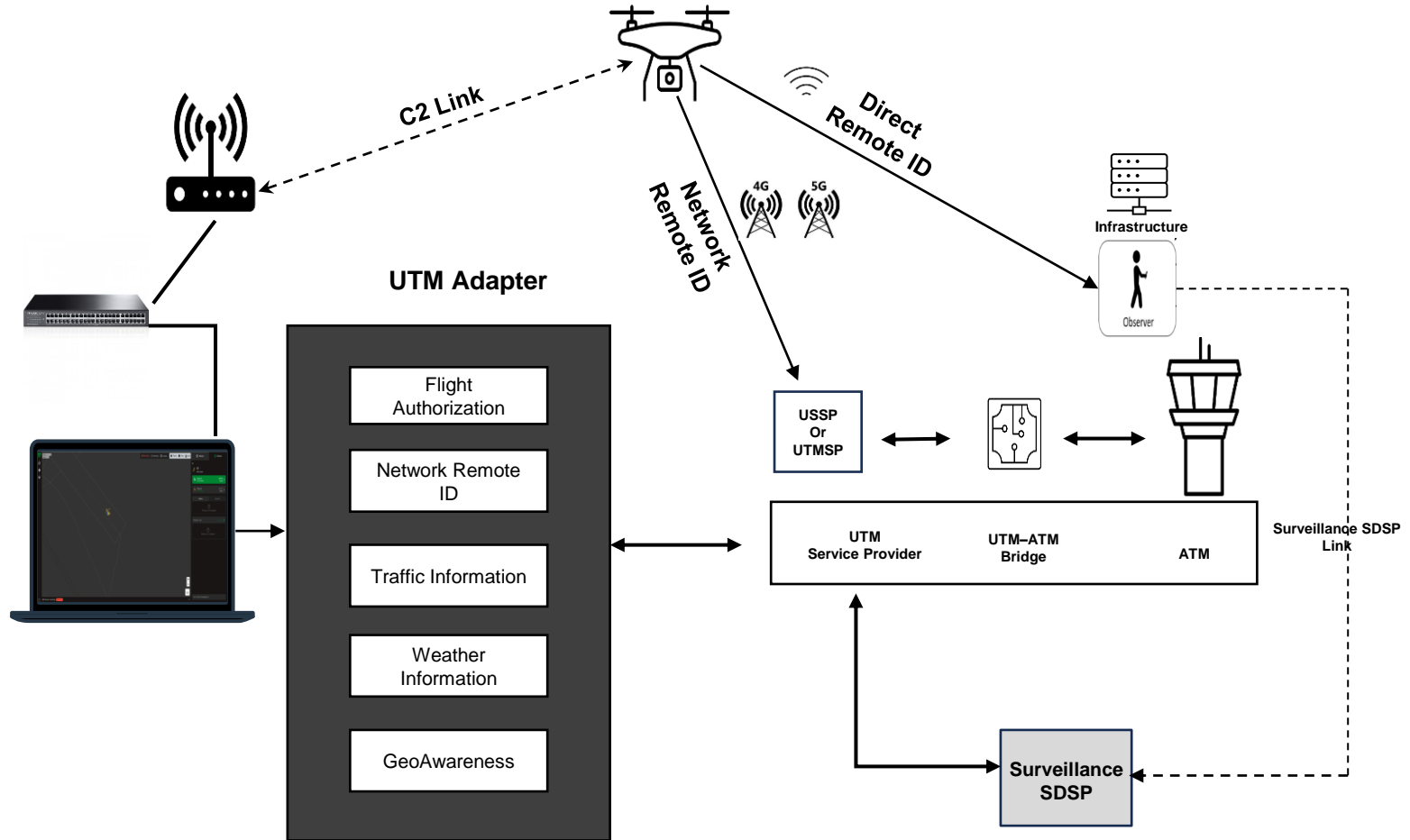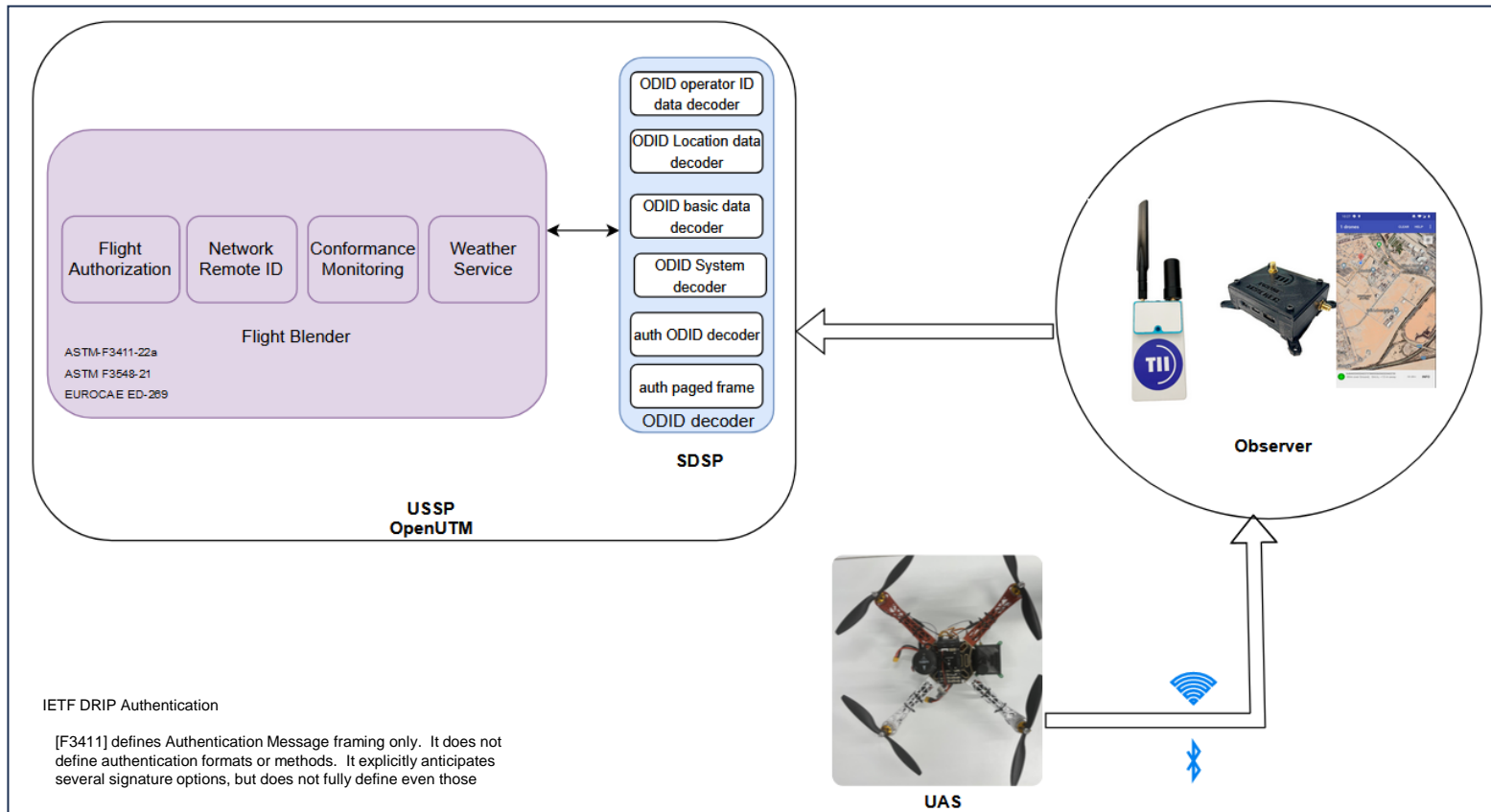| B-RID Radio	Mode	Frequency
ESP32	Wi-Fi Beacon	2.4GHz
NRF52840	BLE ADV	2.4GHz
QCA9880	Wi-Fi Beacon	2.4/5GHz
QCA9590	Wi-Fi Beacon	2.4/5GHz
QCN9074	Wi-Fi Beacon	2.4/5/6GHz

Discrete B-RID Radio

Integrated B-RID Radio

DRIP – Surveillance SDSP - Parser

TII – Technology Innovation Institute

DRIP – SDSP - Parser

USSP
OpenUTM

Flight Blender

- Flight Authorization
- Network Remote ID
- Conformance Monitoring
- Weather Service

ASTM-F3411-22a
ASTM F3548-21
EUROCAE ED-269

ODID decoder

- ODID operator ID data decoder
- ODID Location data decoder
- ODID basic data decoder
- ODID System decoder
- auth ODID decoder
- auth paged frame
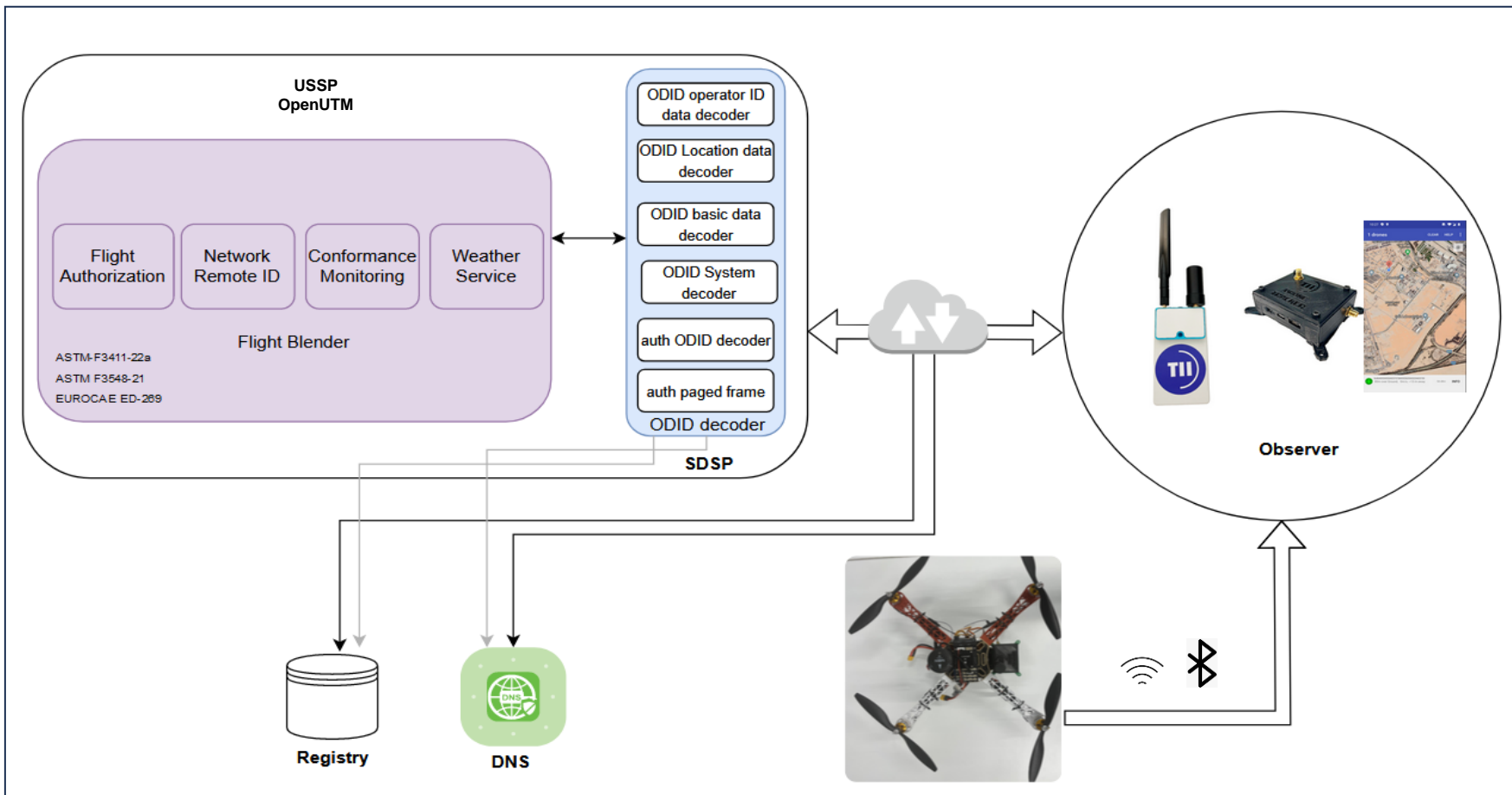
SDSP

Observer

UAS

IETF DRIP Authentication

[F3411] defines Authentication Message framing only. It does not define authentication formats or methods. It explicitly anticipates several signature options, but does not fully define even those

https://github.com/openutm/verification/tree/main/flight_blender_e2e_integration/ietf-drip

Future Roadmap: DRIP – SDSP - Testbed

https://github.com/openutm/verification/tree/main/flight_blender_e2e_integration/ietf-drip

![Technology Innovation Institute logo]

Contact:

TII: Govind Singh
govind.singh@tii.ae

OpenUTM: Hrishikesh Ballal
hrishi@openskies.sh