OpenUTM DRIP Importer – TII and OpenUTM
IETF118
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Broadcast RID Integration- Wi-Fi beaconing/LE Adv Mode

ASTM F3411 compliant B-RID

TII B-RID Test bed

DRI Broadcasters

DRI Beacons/LE adv

DRI Observer

Phone/Web browser

TII – Technology Innovation Institute
Broadcast RID HW - POC

<table>
<thead>
<tr>
<th>B-RID Radio</th>
<th>Mode</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESP32</td>
<td>Wi-Fi Beacon</td>
<td>2.4GHz</td>
</tr>
<tr>
<td>NRF52840</td>
<td>BLE ADV</td>
<td>2.4GHz</td>
</tr>
<tr>
<td>QCA9880</td>
<td>Wi-Fi Beacon</td>
<td>2.4/5GHz</td>
</tr>
<tr>
<td>QCA9590</td>
<td>Wi-Fi Beacon</td>
<td>2.4/5GHz</td>
</tr>
<tr>
<td>QCN9074</td>
<td>Wi-Fi Beacon</td>
<td>2.4/5/6GHz</td>
</tr>
</tbody>
</table>

Discrete B-RID Radio

Integrated B-RID Radio
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

USSP
OpenUTM

Flight Authorization
Network Remote ID
Conformance Monitoring
Weather Service

Flight Blender

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

Registry
DNS

Observer

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