Spectrum and airtime inventory

QoS decides who waits in line; separation decides who is in the line at all, so count everything on the air first.

One row per radio or traffic class on the channel

System	Owner	Band and channel	Width	Traffic, direction, rate	Criticality	Priority (marking)	Delay tolerance	Schedule

Before you trust the inventory

- ☐ Add what never joins your network: car head units, phones, hotspots, Bluetooth, microwave ovens.
- ☐ List cameras and instrument networks with their owners, bands, and channels.
- ☐ Per flow: how fast data changes, how much, delay tolerance, and criticality.
- ☐ Count SSIDs per radio. Each beacons on its own at the lowest basic rate.
- ☐ Check marking with a capture on both sides of the access point, not a configuration screen.
- ☐ Flag every row where a bulk class shares a channel with a control class.
- ☐ Move updates, map pushes, and log uploads into windows outside production.
- ☐ Above 60% channel use, one AMR maker reports latency and packet loss.

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