O-RAN Data Flow: UAV Measurement and Control Sequence

UAV UE — **E2 Node (gNB)** — **Near-RT RIC (E2 Term)** — **UAV Policy xApp** — **Non-RT RIC (SMO)**

Time

- A1: ML Policy Update (Non-RT RIC → UAV Policy xApp)
- Radio: RSRP/SINR Report (UAV UE → E2 Node)
- E2: RIC Indication (E2 Node → Near-RT RIC)
- RMR: KPM Indication (Near-RT RIC → UAV Policy xApp)
- Process: Evaluate Policy
- RMR: Control Request (UAV Policy xApp → Near-RT RIC)
- E2: RIC Control (Near-RT RIC → E2 Node)
- Radio: PRB/Handover (E2 Node → UAV UE)