Handover Flow: Measurement-Triggered Handover with PRB Pre-allocation

UAV UE	Source eNB	Target eNB	Near-RT RIC	UAV Policy xApp

1. Measurement Report (A3 Event) — UAV UE → Source eNB

2. E2 Indication (Handover Trigger) — Source eNB → Near-RT RIC

3. RMR HO Request — Near-RT RIC → UAV Policy xApp

4. Evaluate HO Decision — UAV Policy xApp (self)

5. PRB Pre-alloc Request — UAV Policy xApp → Near-RT RIC

6. E2 Control (PRB Reserve) — Near-RT RIC → Target eNB

7. PRB Reserve ACK — Target eNB → Near-RT RIC

8. Reserve Confirmed — Near-RT RIC → UAV Policy xApp

9. Execute Handover — UAV Policy xApp → Near-RT RIC

10. HO Command — Near-RT RIC → Source eNB

11. X2: HO Request — Source eNB → Target eNB

12. X2: HO Request ACK — Target eNB → Source eNB

13. RRC Connection Reconfiguration — Source eNB → UAV UE

14. RRC Reconfig Complete — UAV UE → Target eNB

15. HO Complete Indication — Target eNB → Near-RT RIC

16. HO Complete — Near-RT RIC → UAV Policy xApp