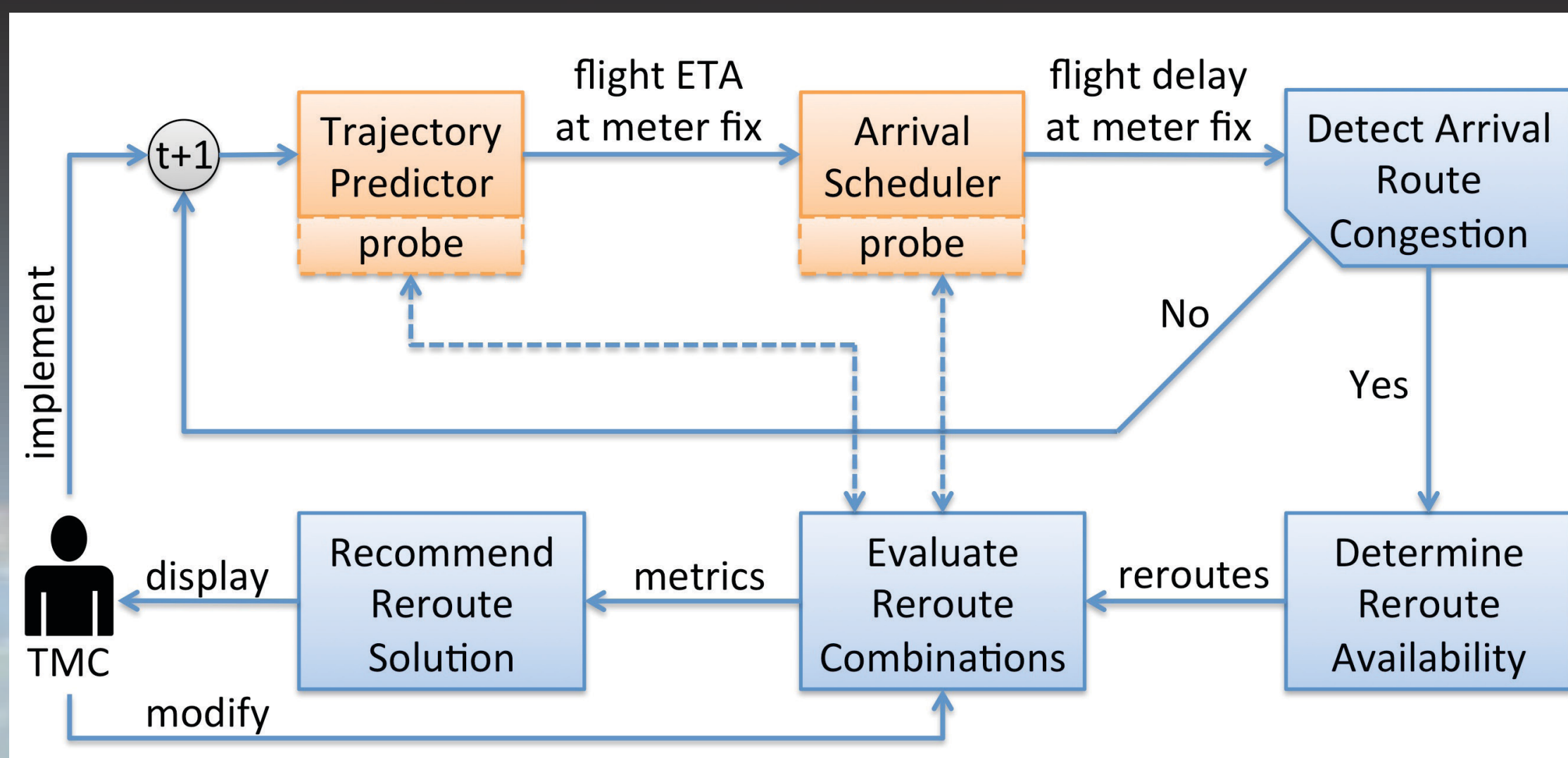
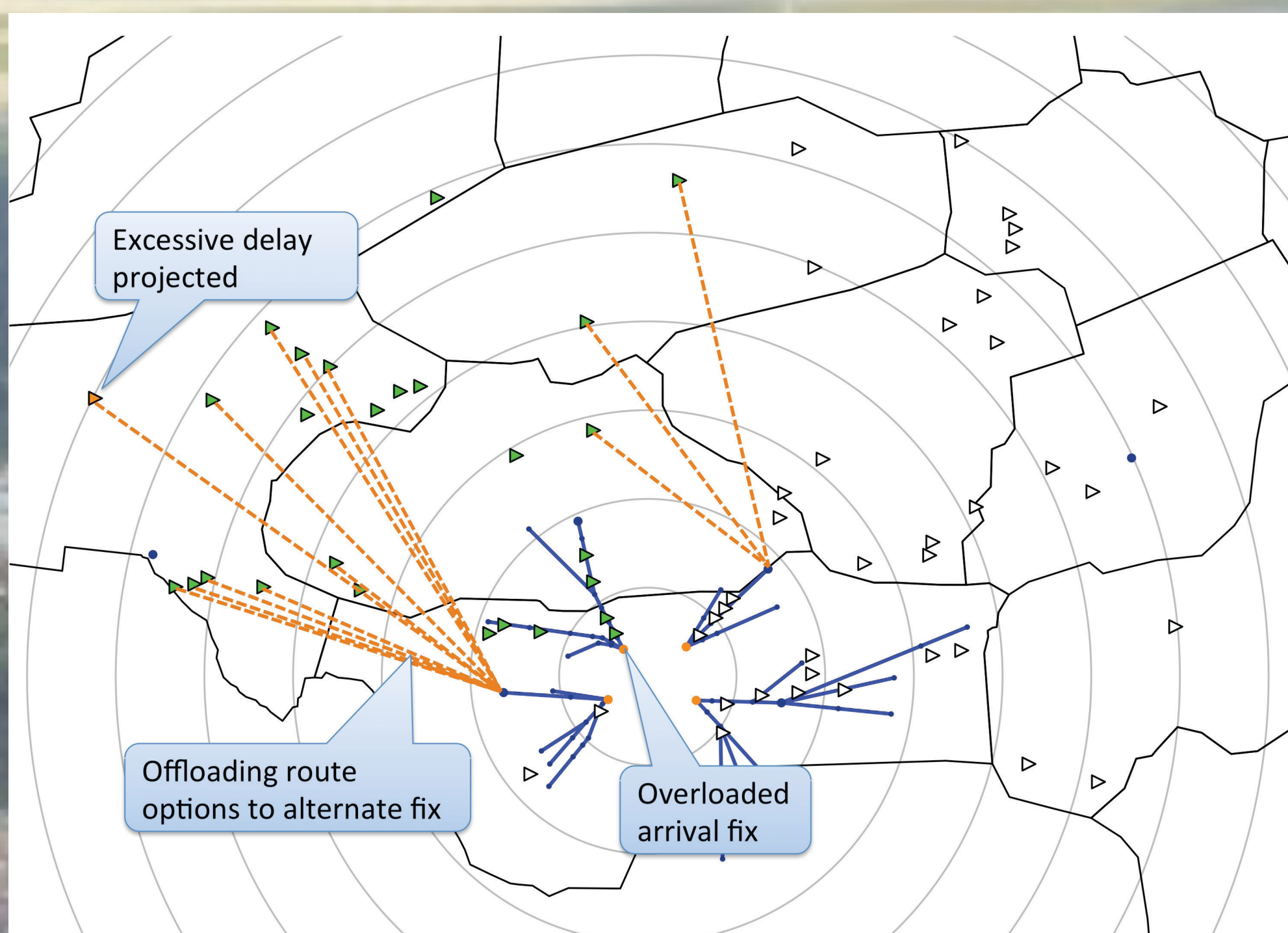


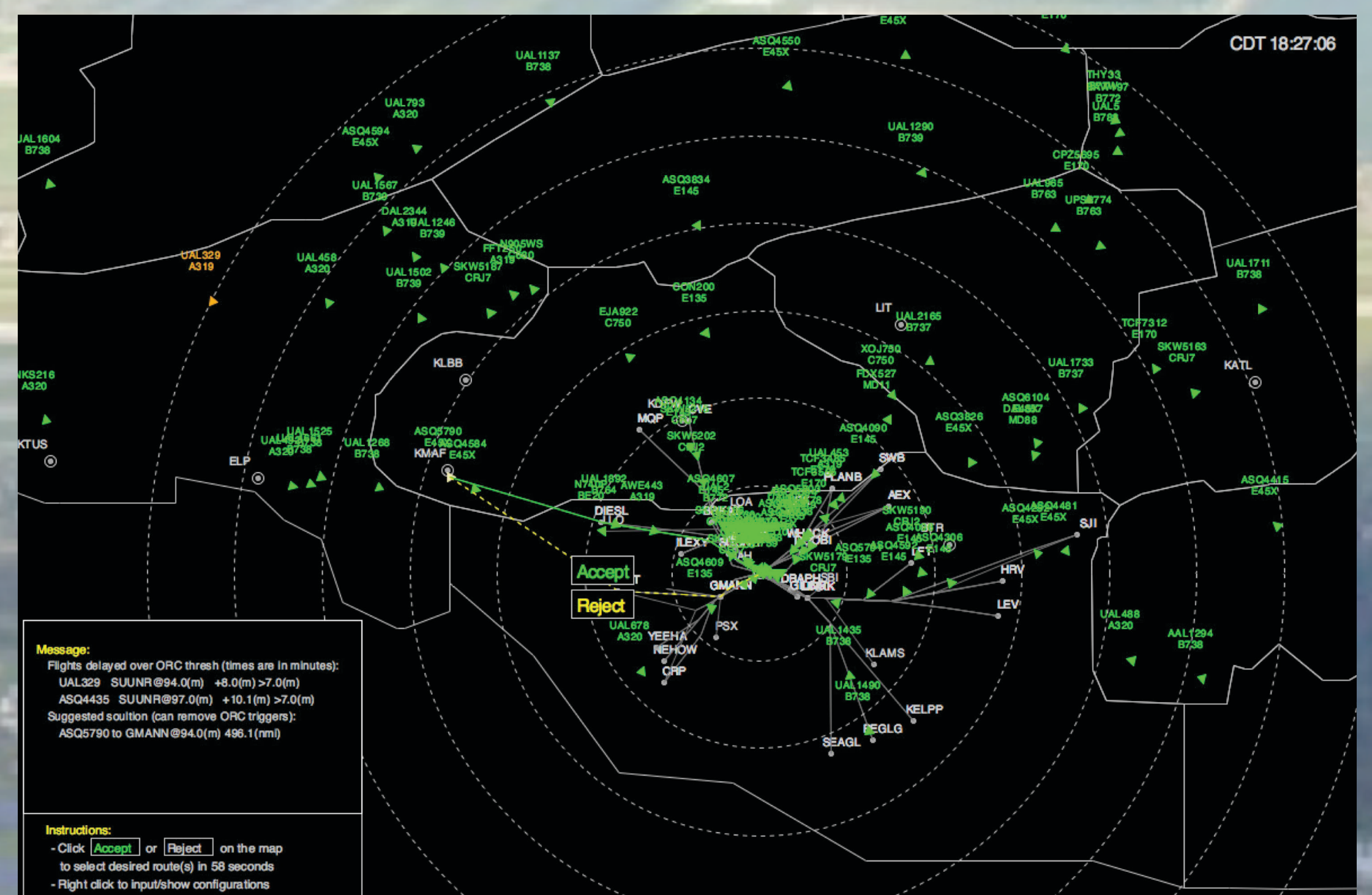
ORC: Optimized Routing Capability



ORC Automation Functions



Evaluate Options



Recommended Solution

The Optimized Routing Capability is TFM decision support for arrival fix offloading

- Proactively alert ATM personnel when demand is projected to exceed capacity (e.g., 30-90 minutes from arrival fix)
- Identify arrival fix overloading from a time-based scheduling perspective (i.e., excessive projected delay)
- Analyze route options to alternate meter fixes and associated flight costs (e.g., extra time or distance) and uncertainties
- Identify minimal cost route options to mitigate projected delay

Anticipated benefits

- Enable more efficient routing decisions to be made and implemented earlier
- Increase arrival throughput by utilizing available capacity at alternate meter fixes
- Reduce delay and fuel consumption by minimizing the need for holding and vectoring
- Augment today's metering capability and utilization of PBN routing and Optimal Profile Descents by creating synergy between en-route and terminal TFM