

Aeronautical Charting Forum

NextGen Nomenclature for RNAV Waypoints

Presented to: ACF-IPG

By: ZOB Airspace Redesign Team

Date: April 25, 2012



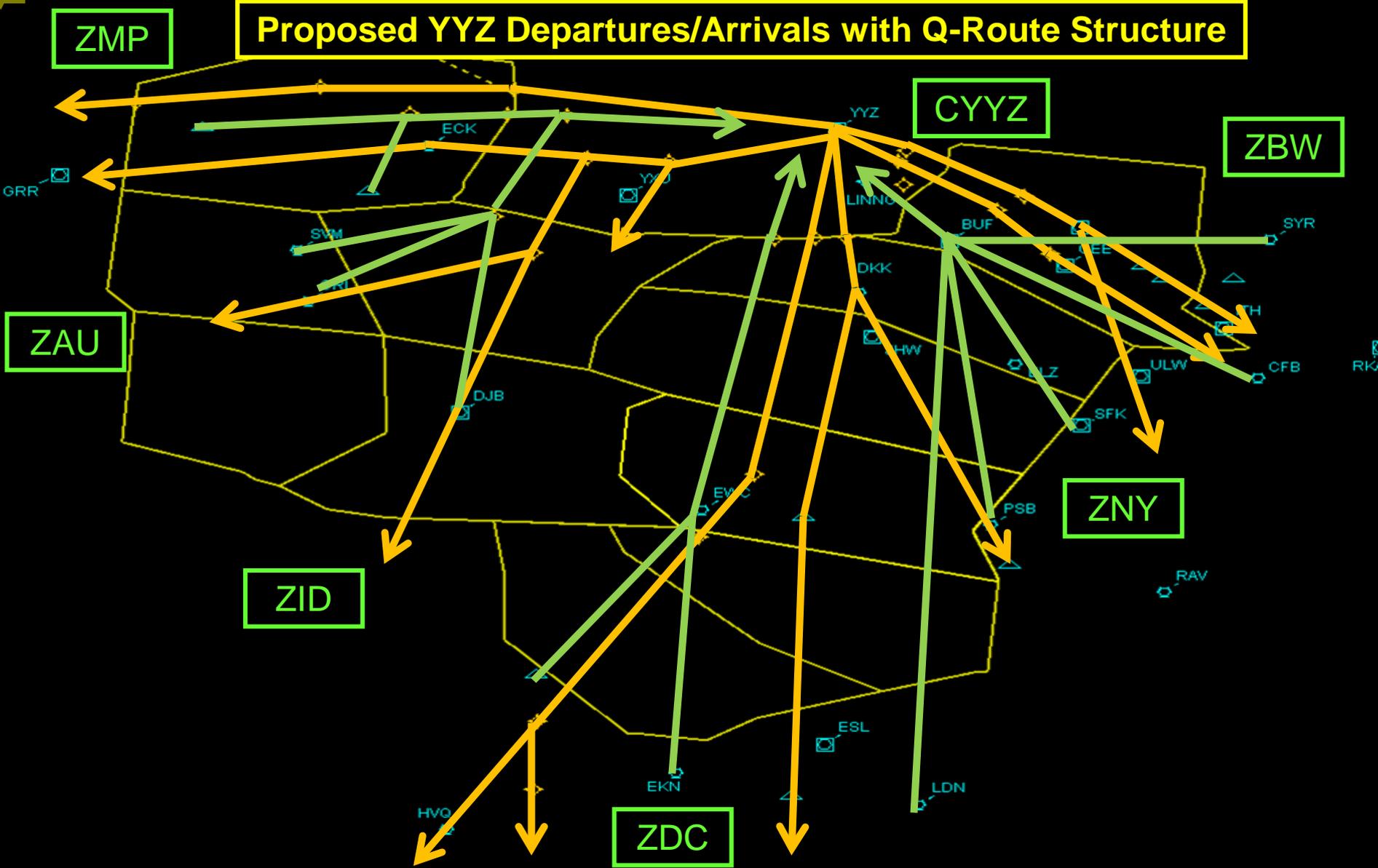
Federal Aviation
Administration



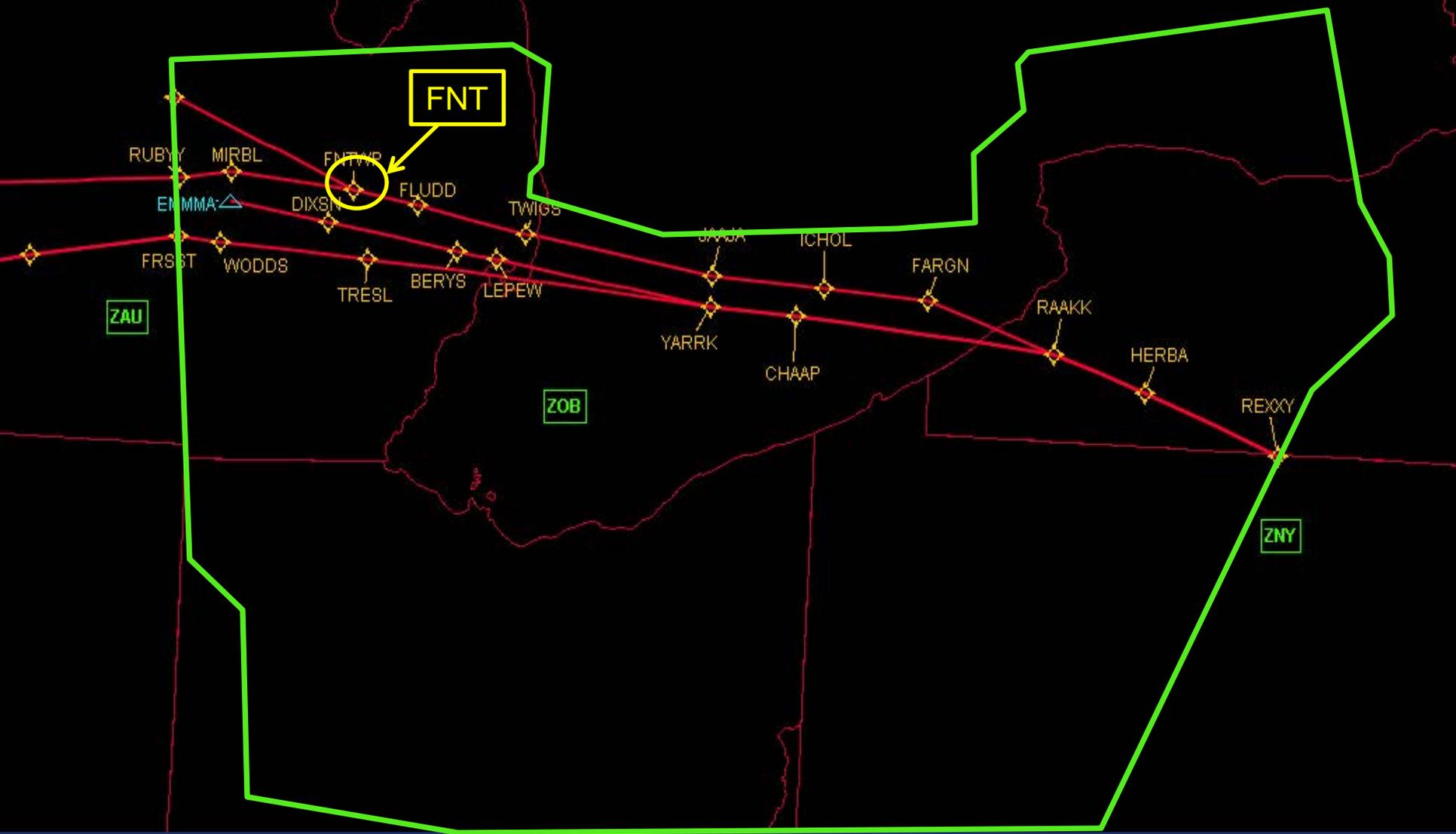
Background

- ❖ **Total Airspace Redesign of ZOB**
- ❖ **Implementation of the NY/NJ/PHL and WTM Plans**
- ❖ **Conversion to an All Q-Route Structure at ZOB within the 2015-16 time frame**
- ❖ **Ability to integrate “Strategic” usage of the NAS by Airline Dispatch, ATCSCC, and TMU with “Tactical” usage by Air Traffic Controllers and Pilots**

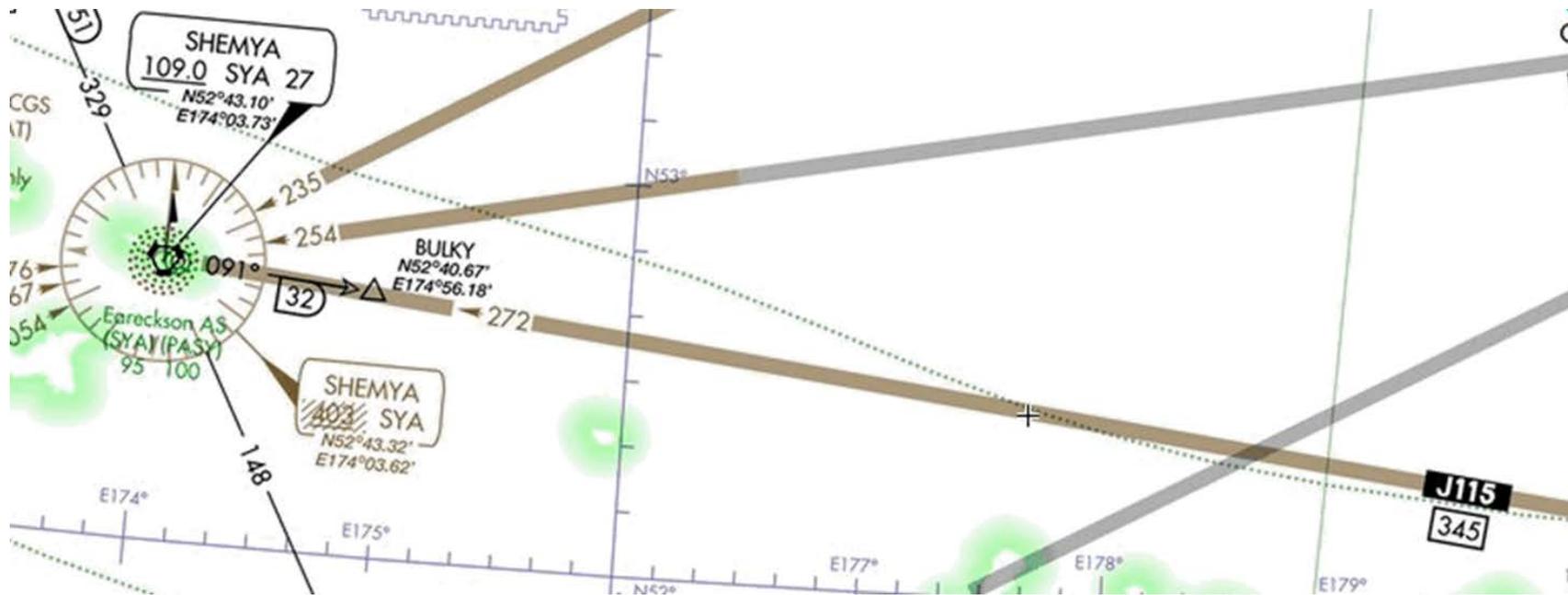
Proposed YYZ Departures/Arrivals with Q-Route Structure



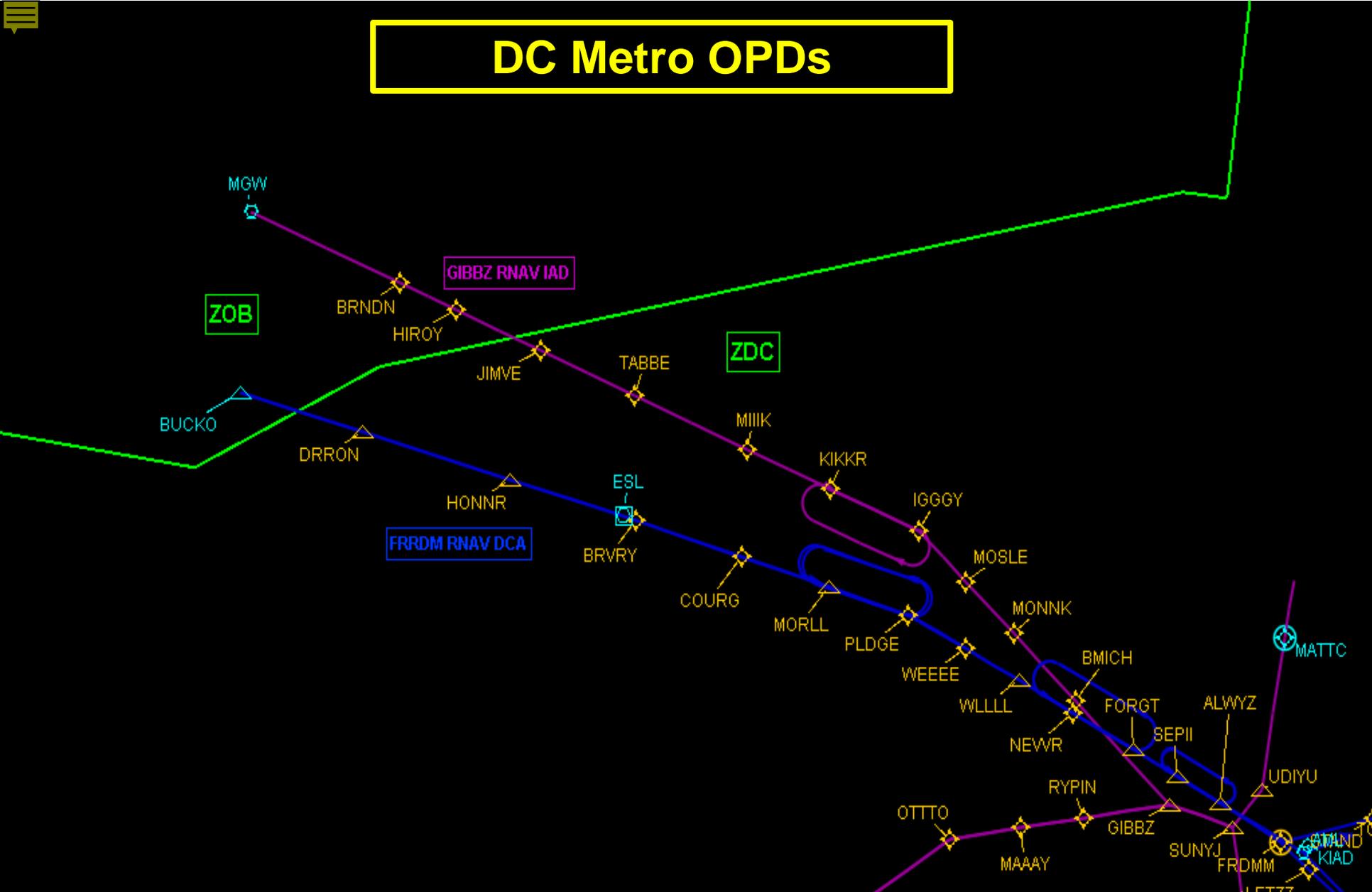
Future Q-Routes Servicing ORD Market



SHEMYA (SYA) NDB



DC Metro OPDs



DTW Current MIZAR PLAYBOOK

ZAU BAE POLAR3

ZKC BDF J105 BAE POLAR3 ZME FAM STL BDF BAE
POLAR3

ZID HNN WEEDA1

ZTL HNN WEEDA1

ATL ATL SUMMT5 VXV HNN WEEDA1

CLT CLT JACAL5 NALEY HNN WEEDA1 ZFW TUL J87
IRK IOW DBQ BAE POLAR3

ZHU FUZ TUL J87 IRK IOW DBQ BAE POLAR3

ZHU MEM J35 STL BDF BAE POLAR3

ZMP ODI J34 BAE POLAR3 ZMP MCW J16 BAE
POLAR3

ZKC IOW DBQ BAE POLAR3

DTW RNAV MIZAR PLAYBOOK

ZAU KG78M ZIPPE POLAR3

ZKC KG66K BULLZ KG78M ZIPPE POLAR3

ZME MALYS FIMEN BULLZ KG78M ZIPPE POLAR3

ZID CEMOR RONCO WEEDA1

ZTL CEMOR RONCO WEEDA1

ATL SUMMT5 KT36Q CEMOR RONCO WEEDA1

CLT JACAL5 NALEY CEMOR RONCO WEEDA1

ZFW KK36E KG75K KG78M PURNY POLAR3

ZHU ANIME KK36E KG75K KG78M PURNY POLAR3

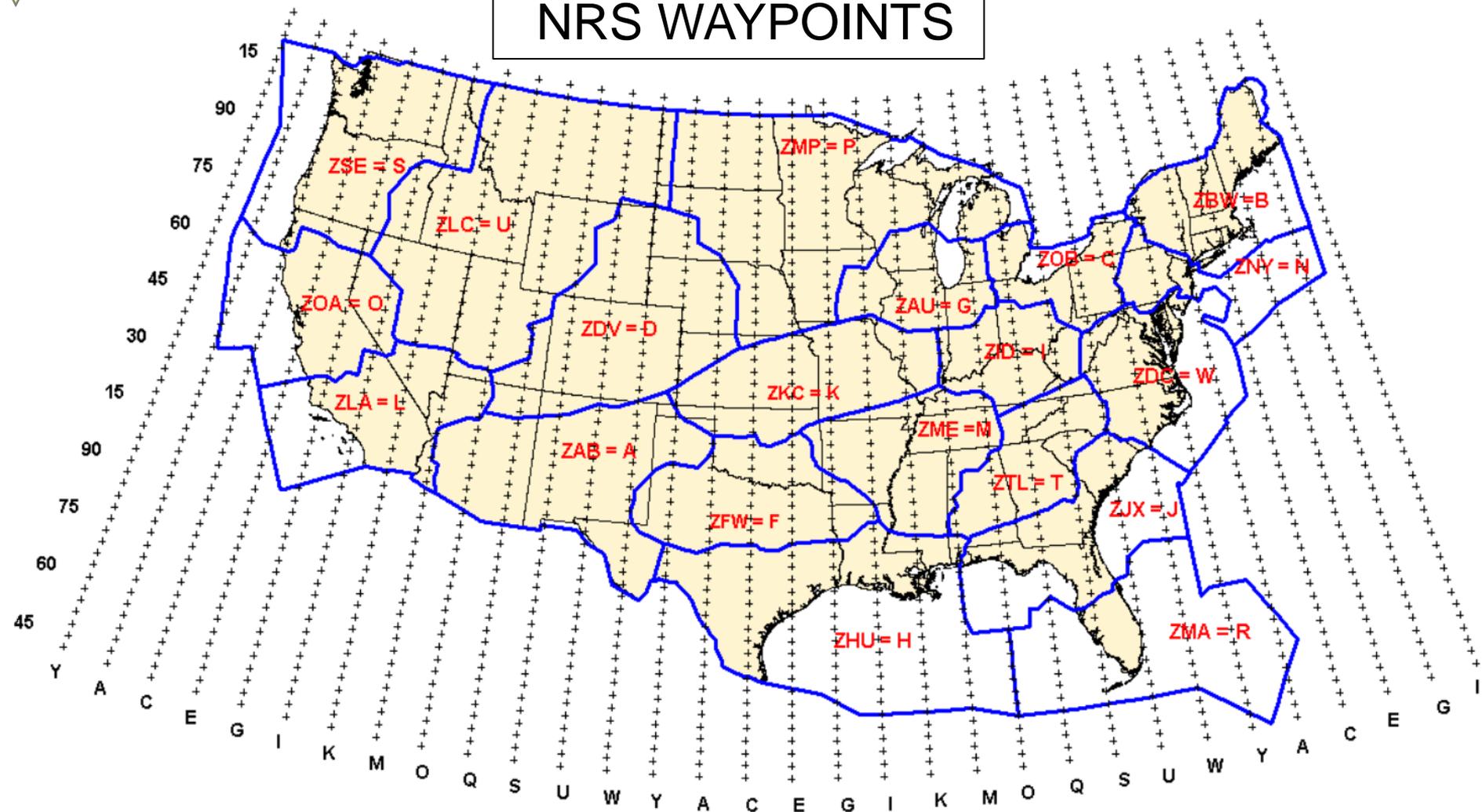
ZHU KM30K KK54K FIMEN BULLZ KG78M ZIPPE POLAR3

ZMP KP84I ZIPPE POLAR3

ZMP KP78G ZIPPE POLAR3

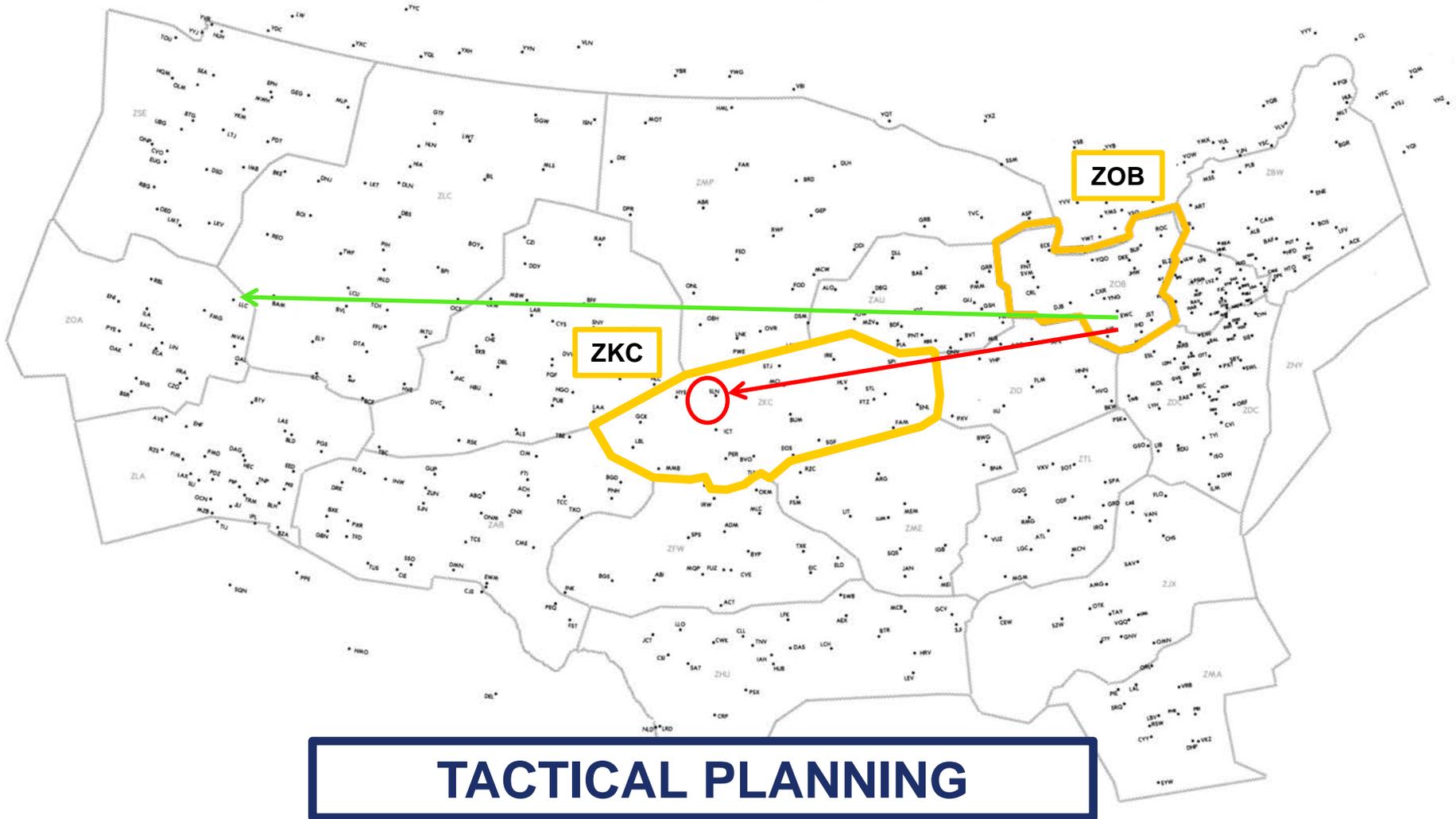
ZKC NUYIB KG75K KG78M ZIPPE POLAR3

NRS WAYPOINTS



STRATEGIC PLANNING

US HIGH ALTITUDE VORS



What is the Solution?

- ❖ **Include the original three-letter identifier preceded by the letters “KQ” (e.g. KQSTL), essentially creating a five-letter GPS-based waypoint with geographical significance**
- ❖ **Block the use of “KQ” nomenclature for application in the near-term development of five-letter waypoints**
- ❖ **As land-based NavAids become eligible for decommissioning, evaluate their geographical significance to the NAS. If proven valuable, proceed with the decommissioning process and replace the NavAid with the previously reserved five-letter GPS-based waypoint. As referenced in the example above, aircraft could then be cleared direct “STL Waypoint” in lieu of a fix unfamiliar to pilots and controllers alike**
- ❖ **Land-based NavAids found to be geographically insignificant would proceed with decommissioning and have their identifier removed from the database. At that time a new five-letter fix, or none at all, could be installed at the previous location of the NavAid**

QUESTIONS?

