

**AIR TRAFFIC
MANAGEMENT
COORDINATION MEETING
FOR SOUTHERN AFI
FLIGHT INFORMATION
REGIONS
(ATM/CM-SAF)**

**(JOHAN NESBURG, SOUTH AFRICA, 3-
5 FEBRUARY 2015)**

AFI Optimized Route Trajectory and Airspace (AORTA)

- Progress of the South African route review as well as regional route implementation initiatives stemming from the Performance Based Navigation Route Network Development Working Group (PRND WG/4) (Nairobi, Kenya, 1 to 3 April 2014)

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- In line with ASBU initiatives, SA has revised the internal RNAV route structure.
- 34 RNAV routings were analyzed and re-aligned
- New RNAV's were implemented, notably:
 - UZ31 (FALA – FACT)
 - UQ 52 (FACT – FALA)
- AIRAC EFF – Early March 2015
- The South African PBN Roadmap midterm review of en-route airspace will be completed by 2016

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- A PRND WG/3 meeting convened in Dakar, Senegal 5-8 August 2013 agreed that users should continue to develop efficient ATS route trajectories through the AFI ATS Route Catalogue based on efficiency, preferred profiles and environmental protection to support airspace optimization and PBN implementation in the AFI Region.
- The development of new ATS routes takes place with the concept of AORTA endorsed by the APIRG/19 meeting in October 2013

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- Actions stemming from PRND WG4, was to continue developing en-route trajectories providing efficiency and safety to the AFI airspace, taking into consideration the criteria agreed at PRND WG/3 meeting and endorsed by the APIRG/19 meeting.

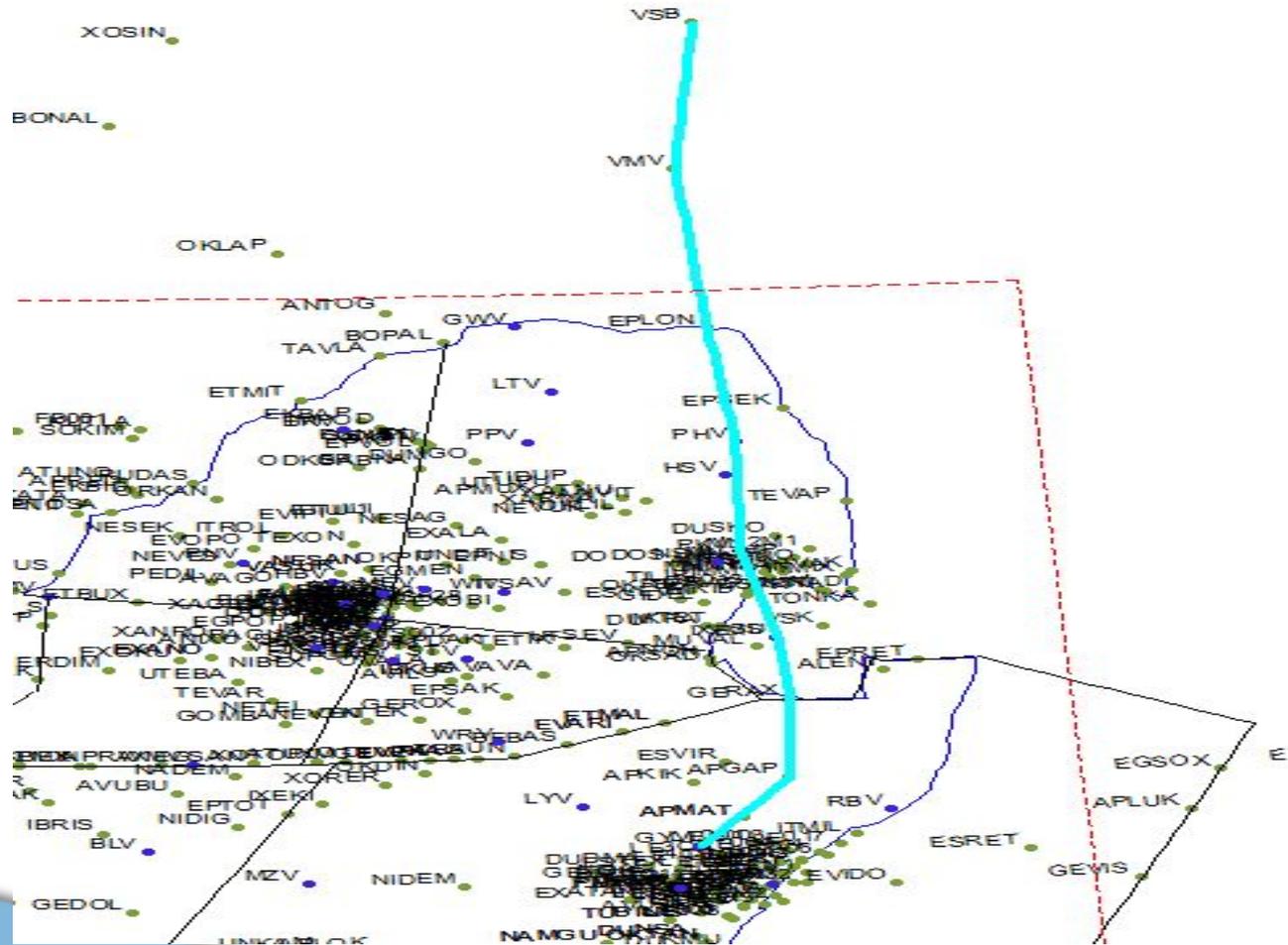
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- PRND WG/3 – PRND WG/4
- Various routes were work shopped for development -:
 - **Route 018** – **FALE** – **FVHA/FLKK** (Durban/Harare)
 - **Route 033** – **FACT** – **FVHA** (Cape Town/Harare)
 - **Route 034** – **FACT** – **FQMA** (Cape Town/Maputo)
 - **Route 035** – **FACT** – **FLKK** (Cape Town/ Lusaka)

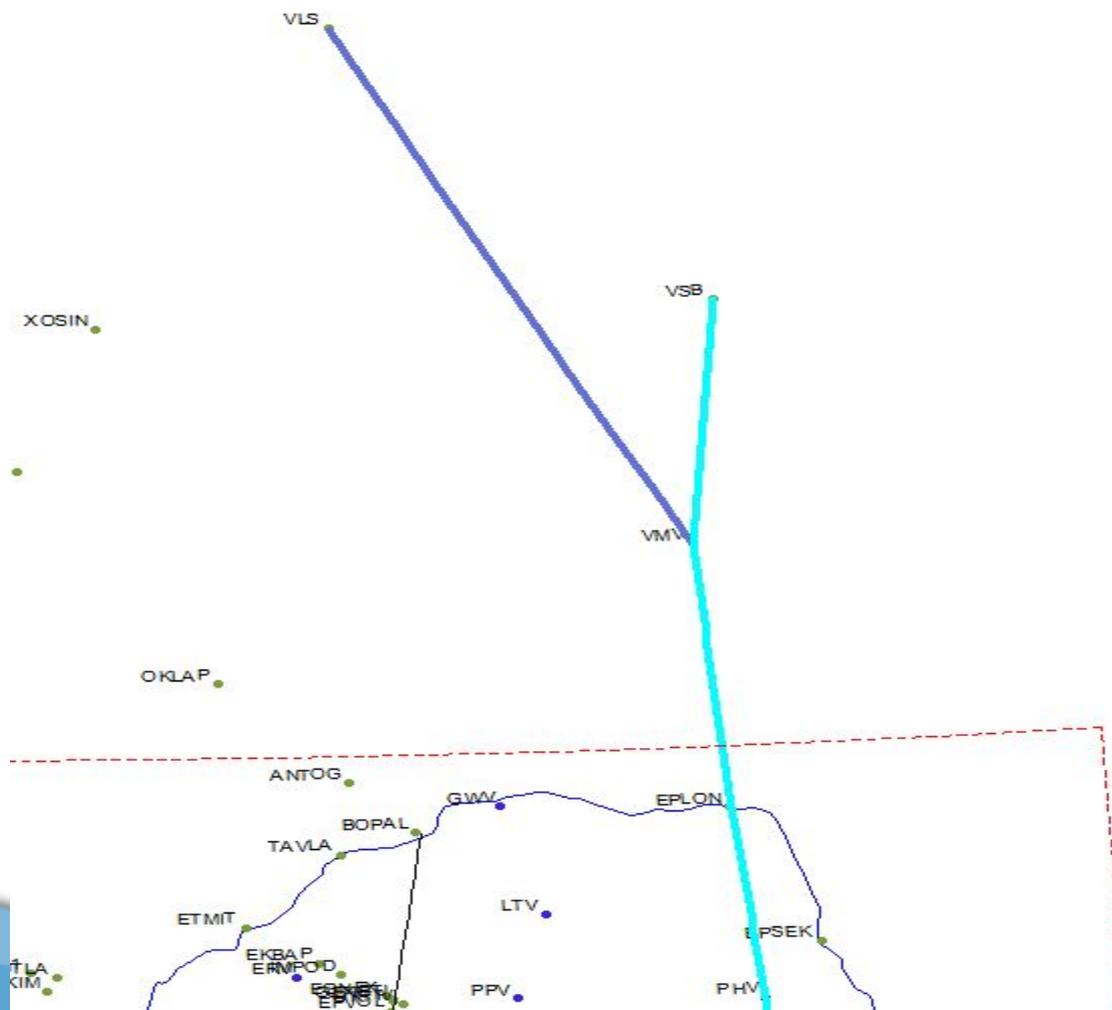
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- **Route 018 – FALE – FVHA/FLKK (Durban/Harare)**
 - TGV, APMAT, APGAP, GERAX, VMS, PKV, PHV, EPLON, VMV, VSB/VLS
 - This routing is being trialled by SA EXPRESS airline after a CDM process between the airline and ATNS
 - Capped at Fl 330

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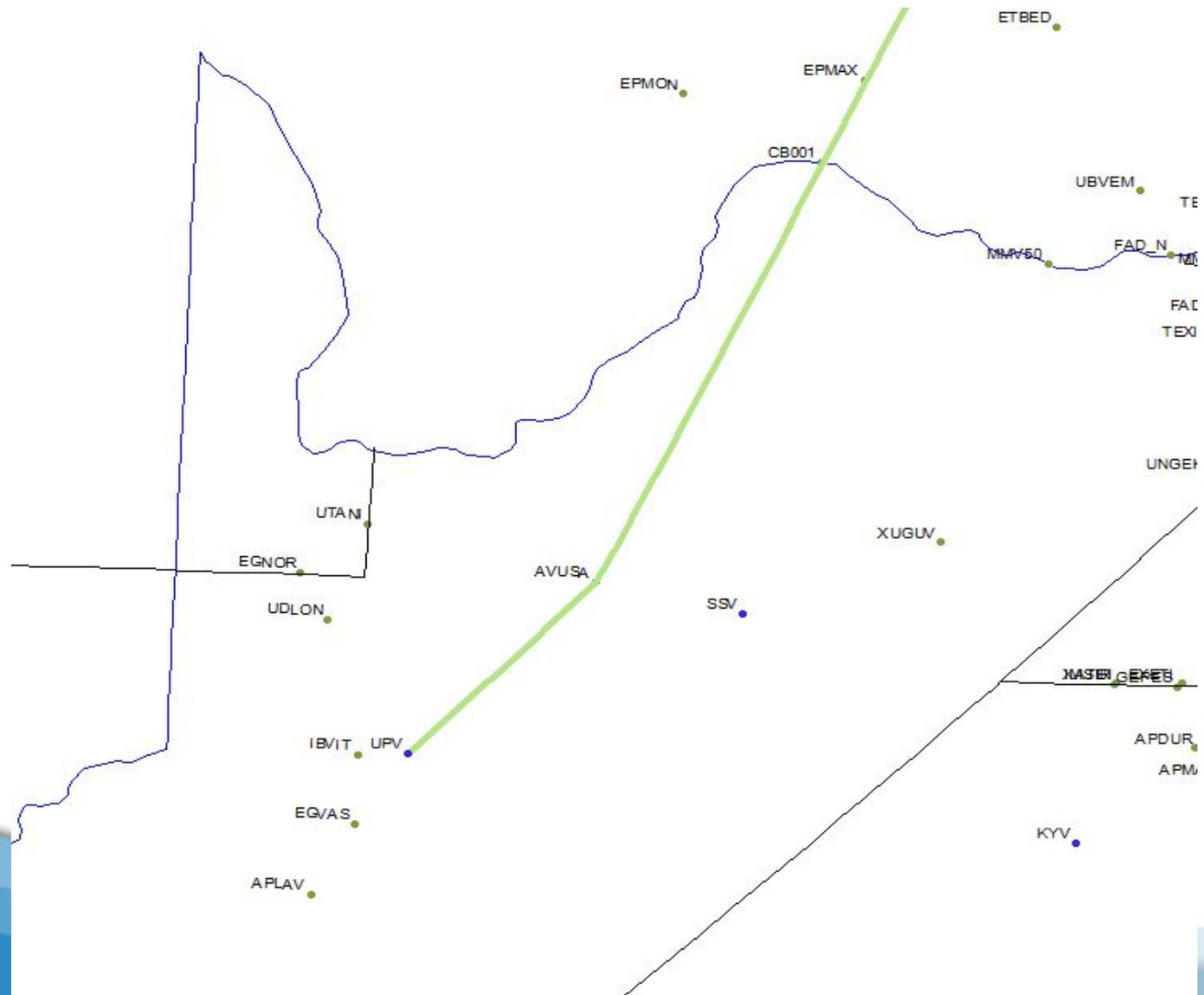
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- **Route 035 – FACT – FLKK (Cape Town/ Lusaka)**
- VLS, XOSIN, BONAL, EVEBO, EPMAX, CB001, AVUSA, UPV, UQ23, CTV
- VLS – XOSIN – Zambia
- XOSIN – CB001 – Botswana
- CB001 – CTV – South Africa

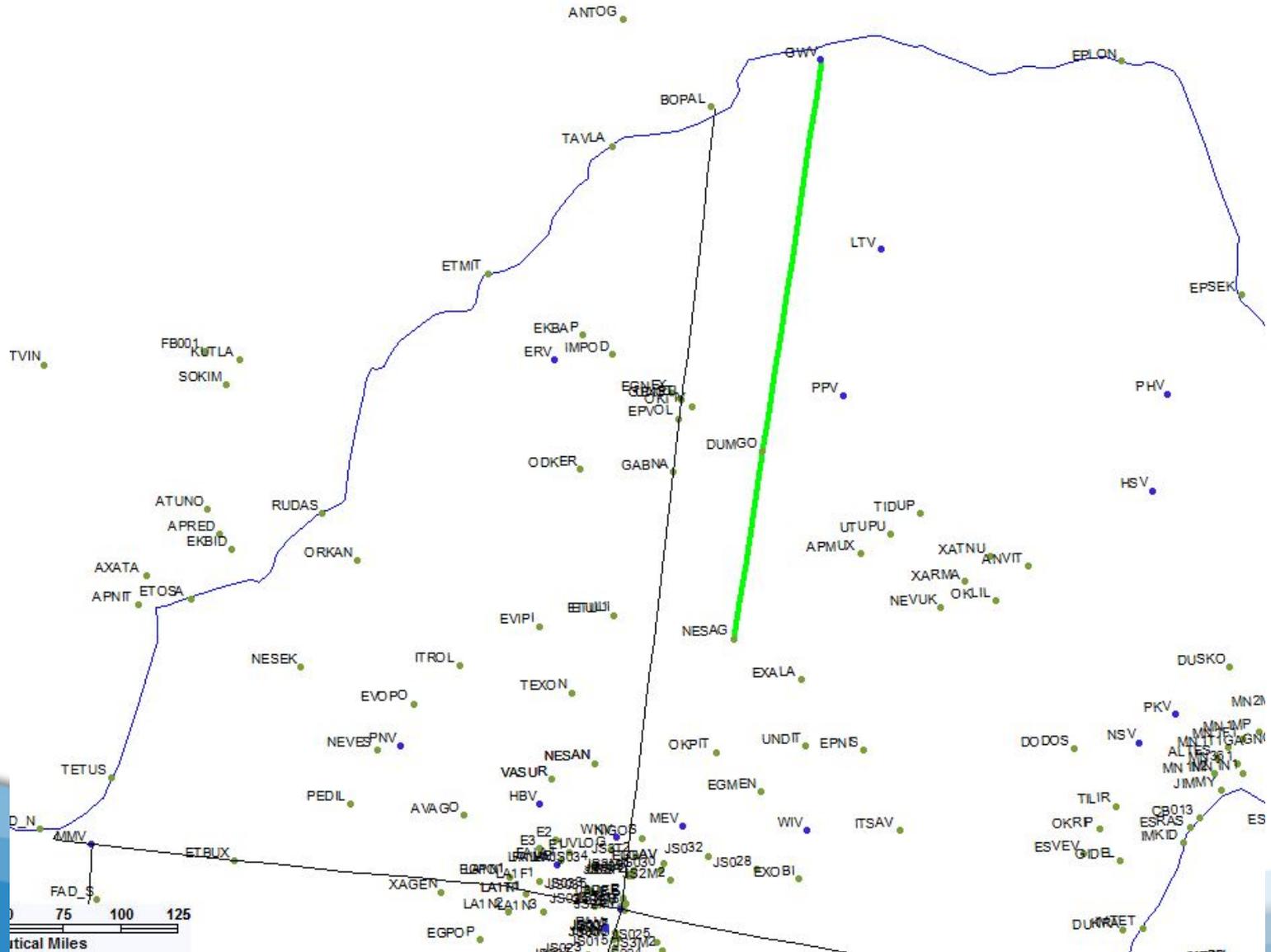
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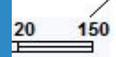
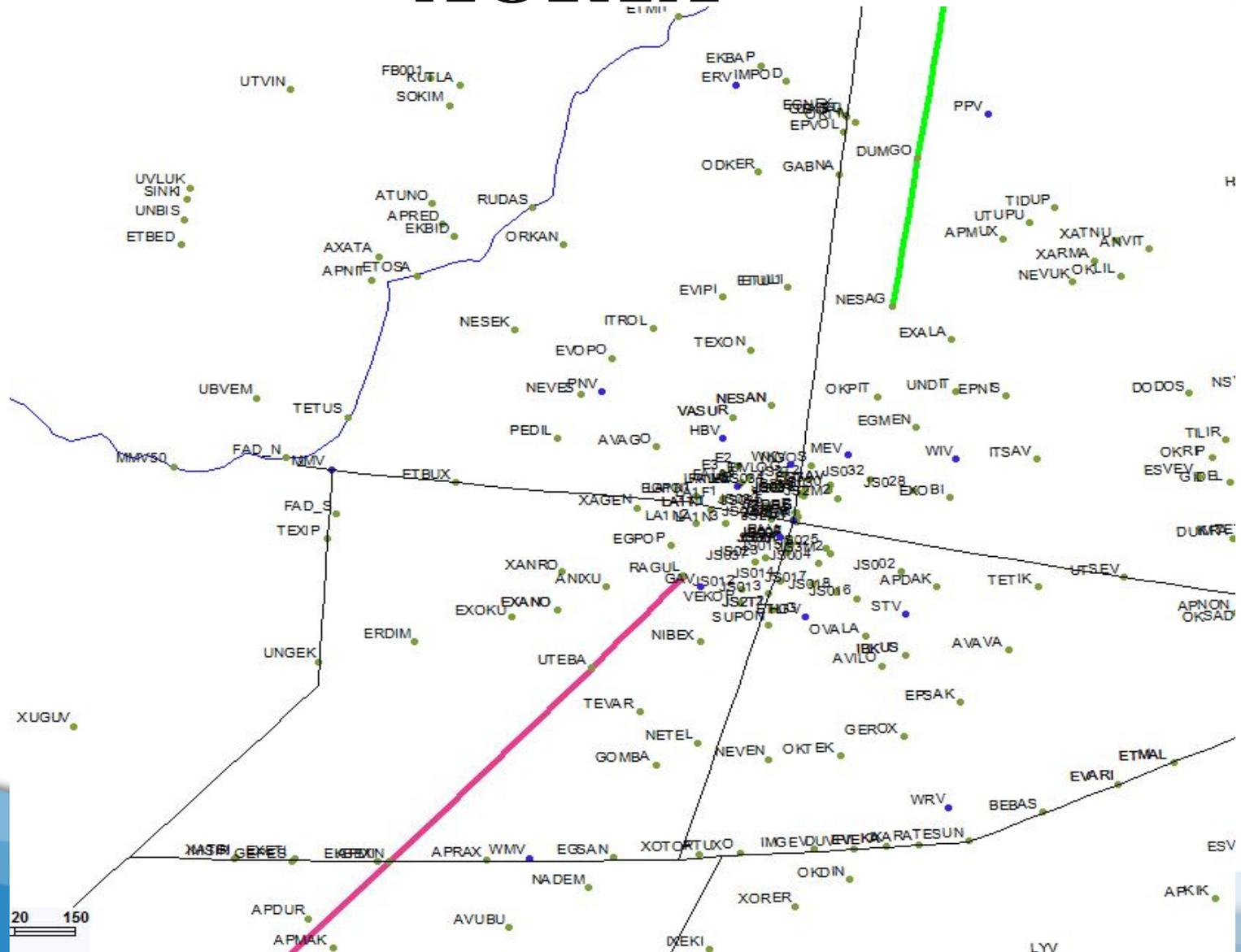
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- **Route 033 – FACT – FVHA (Cape Town/Harare)**
- VSB, (GWV, DUMGO, NESAG (UZ11)), RAGUL, UQ10, CTV
- South Africa – Existing Extensive RNAV Route structure
- FVHA – FACT – Seamless integration into existing route matrix

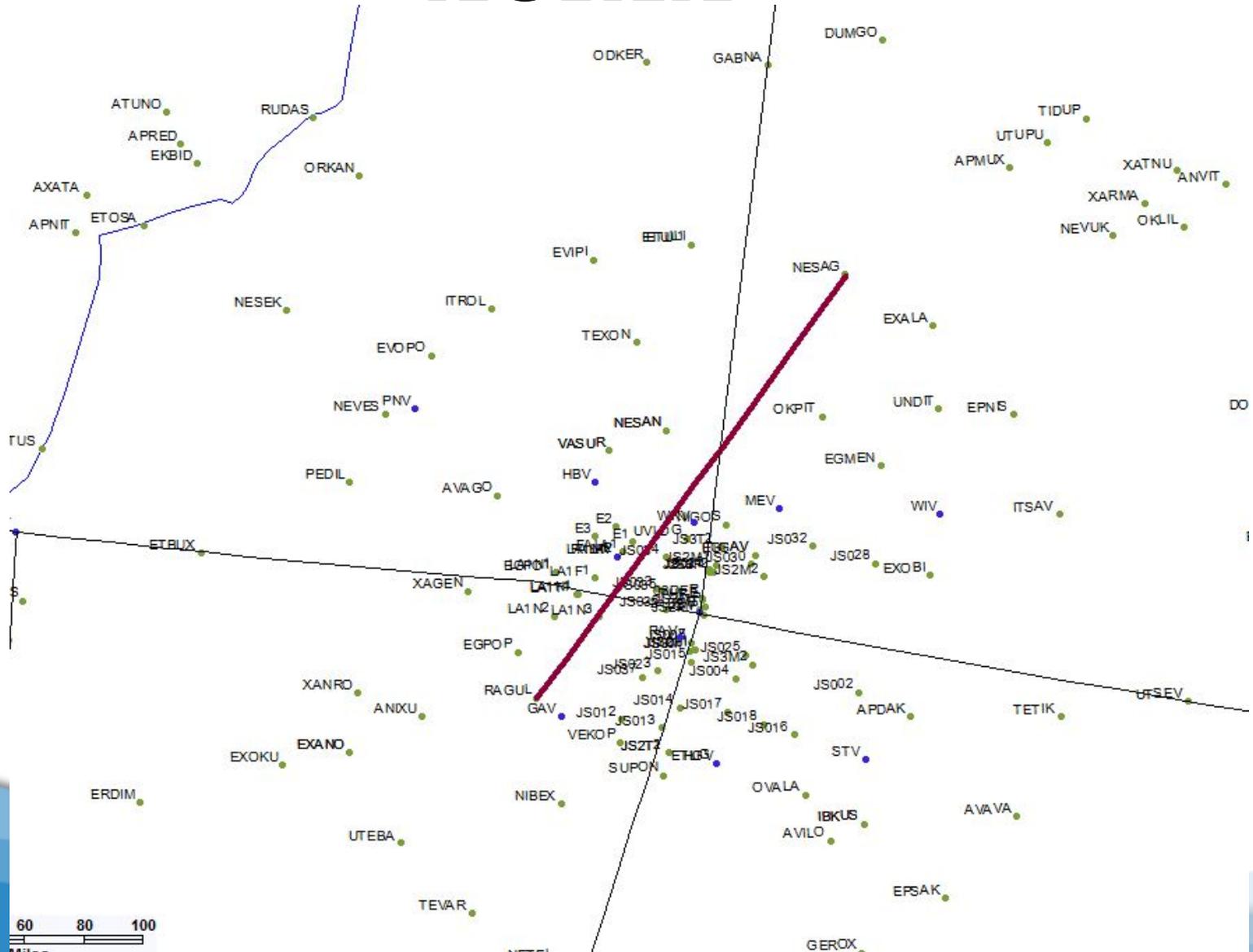
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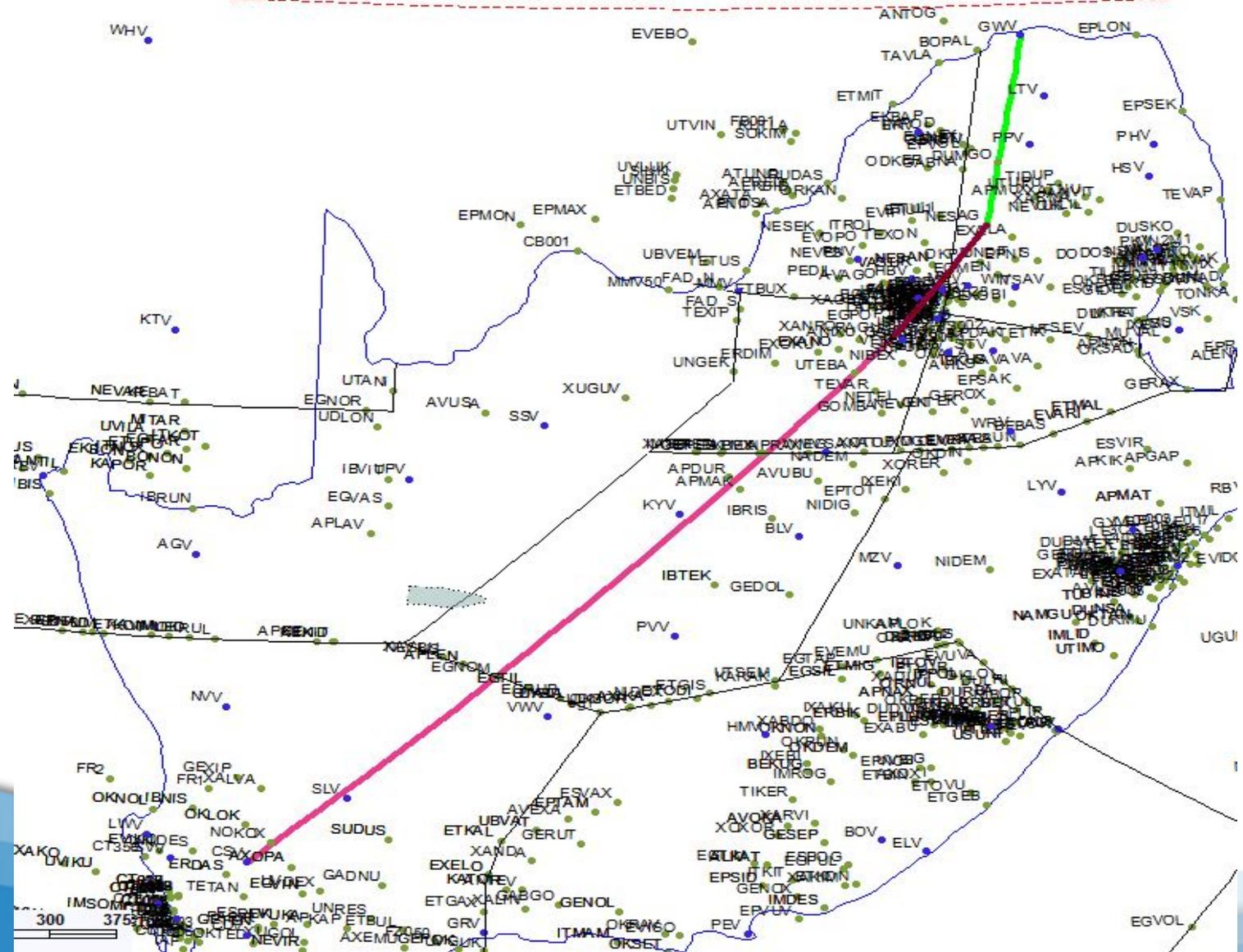
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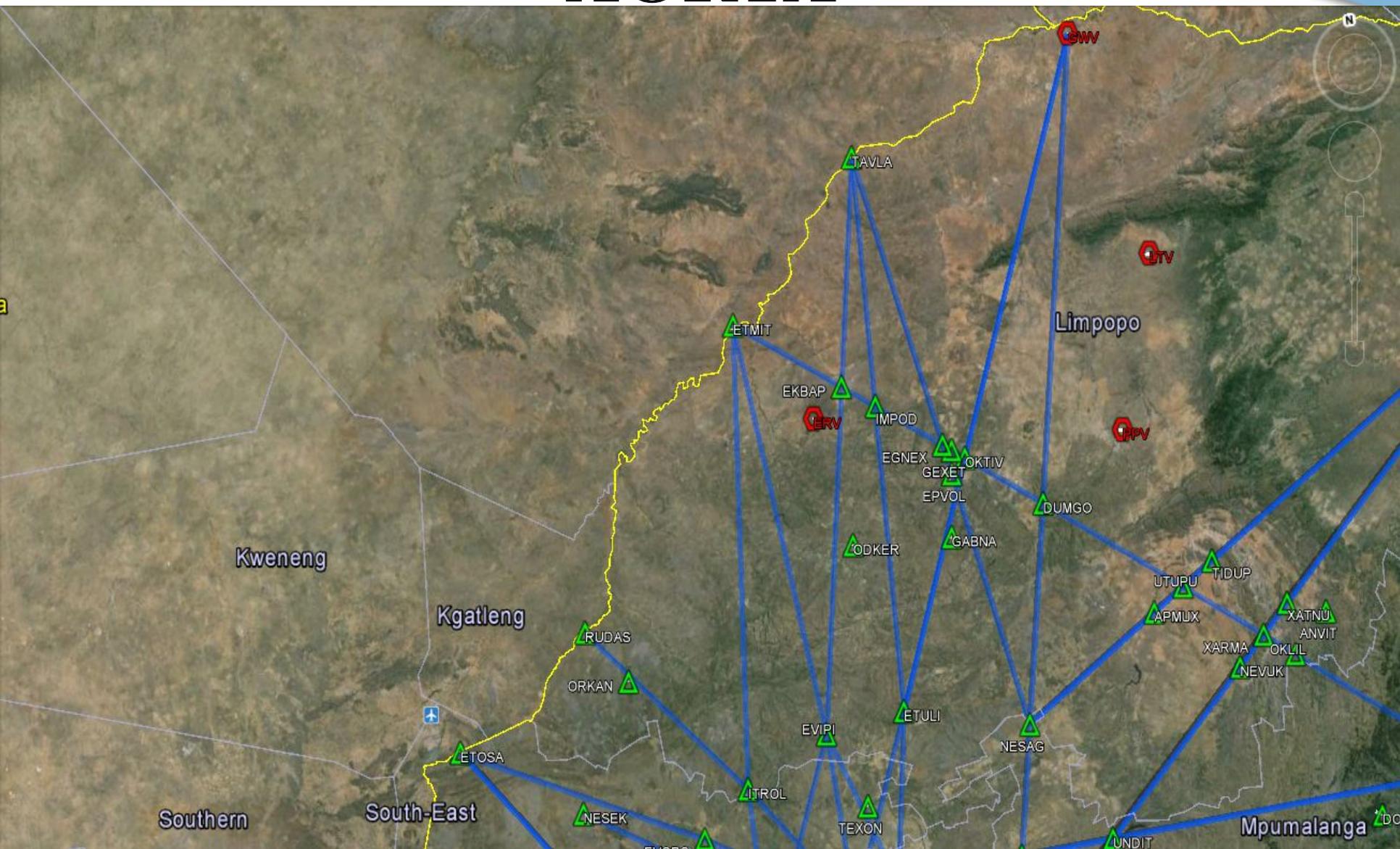
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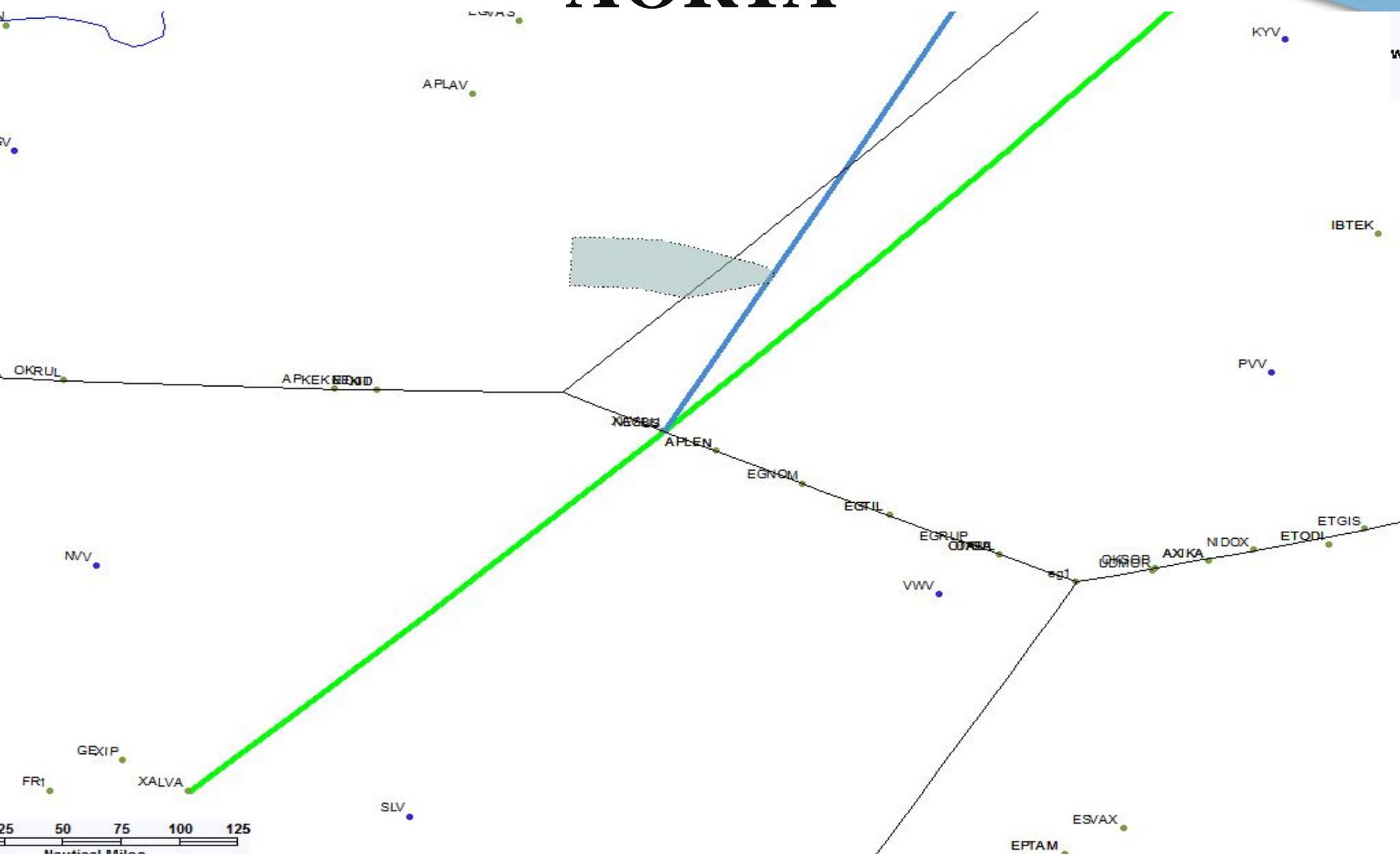
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- **Route 034 – FACT – FQMA (Cape Town/Maputo)**
- No development yet due implementation of SA Route review early March 2015

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- ICAO to provide guidance for the naming convention used for these RNAV routings.
- **ACTIONS:**
 - Take note of the contents of the discussion paper
 - ICAO take the lead in ensuring co-ordination between all parties concerned to develop and implement these routings as per PRND WG3/4 regional route review.
 - PRND 5 to finalize routes

Thank you

