

NZSAR

New Zealand Search
and Rescue

Air Surveillance Complementary Capability

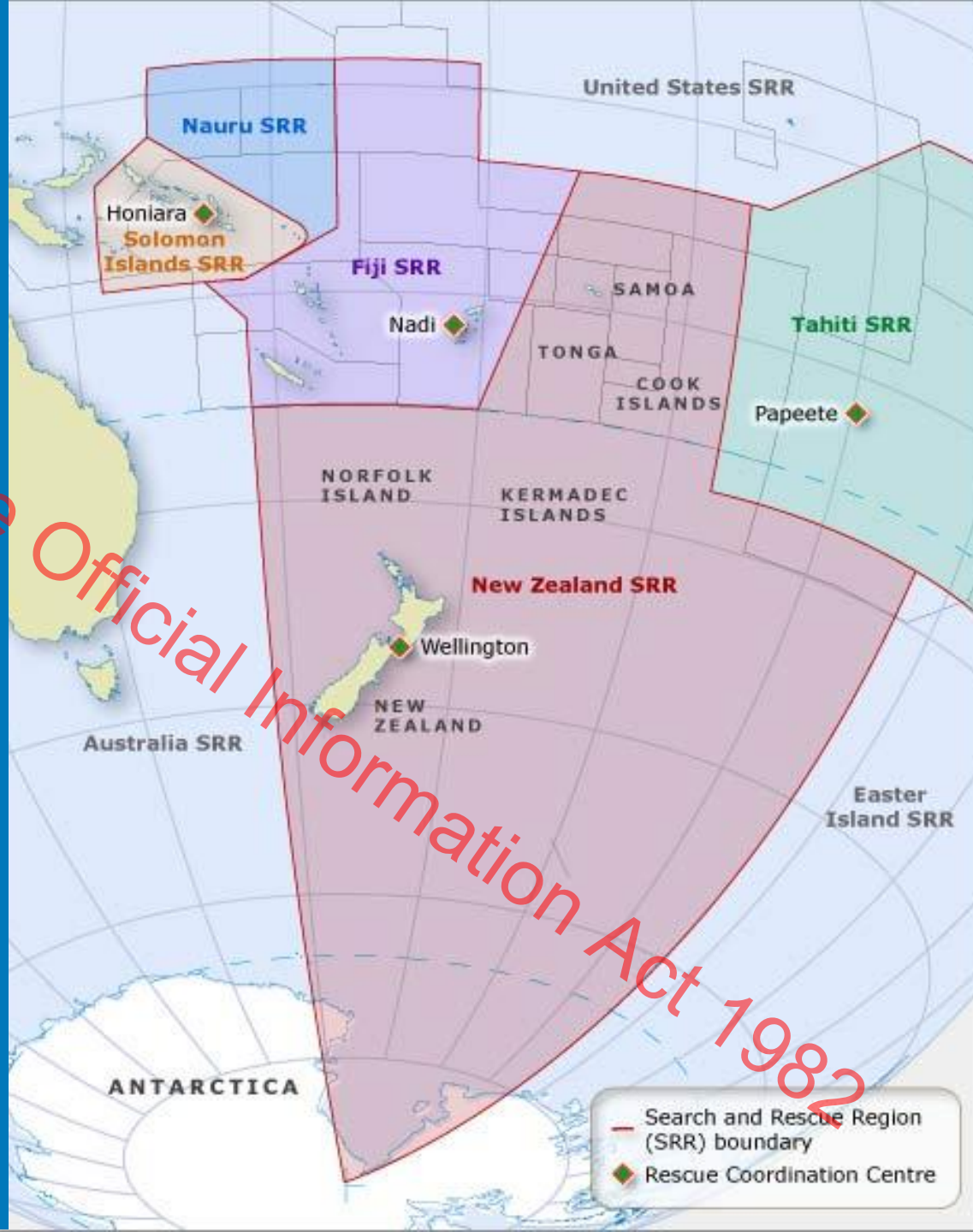
30 October 2018

Our Responsibility

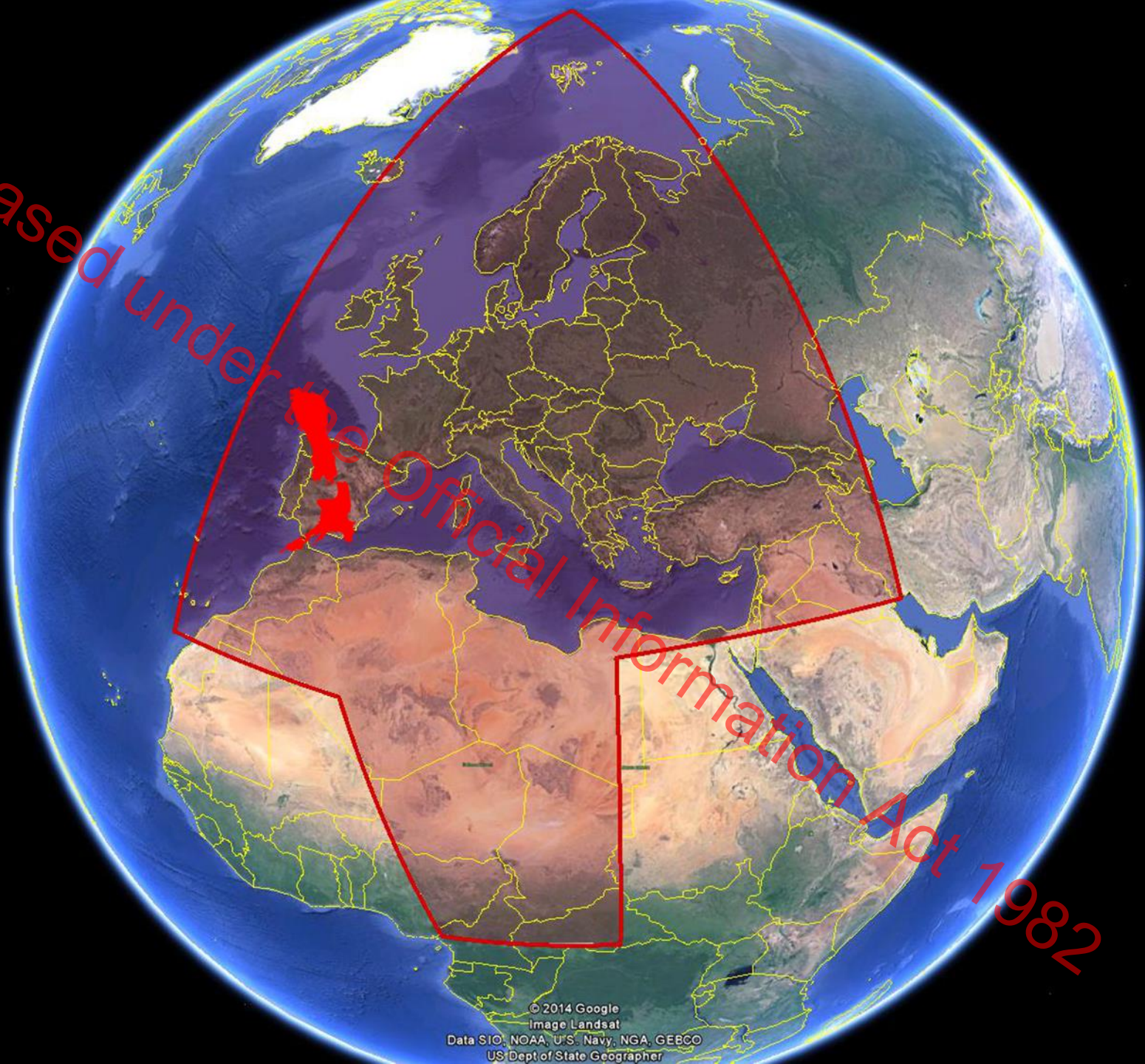
NZ's Search and Rescue Region (SRR)

- One of the largest in the world
- 5 degrees south of the equator to the South Pole;
 - half way to Australia and
 - half way to Chile
- Approximately 30 million square kilometers.

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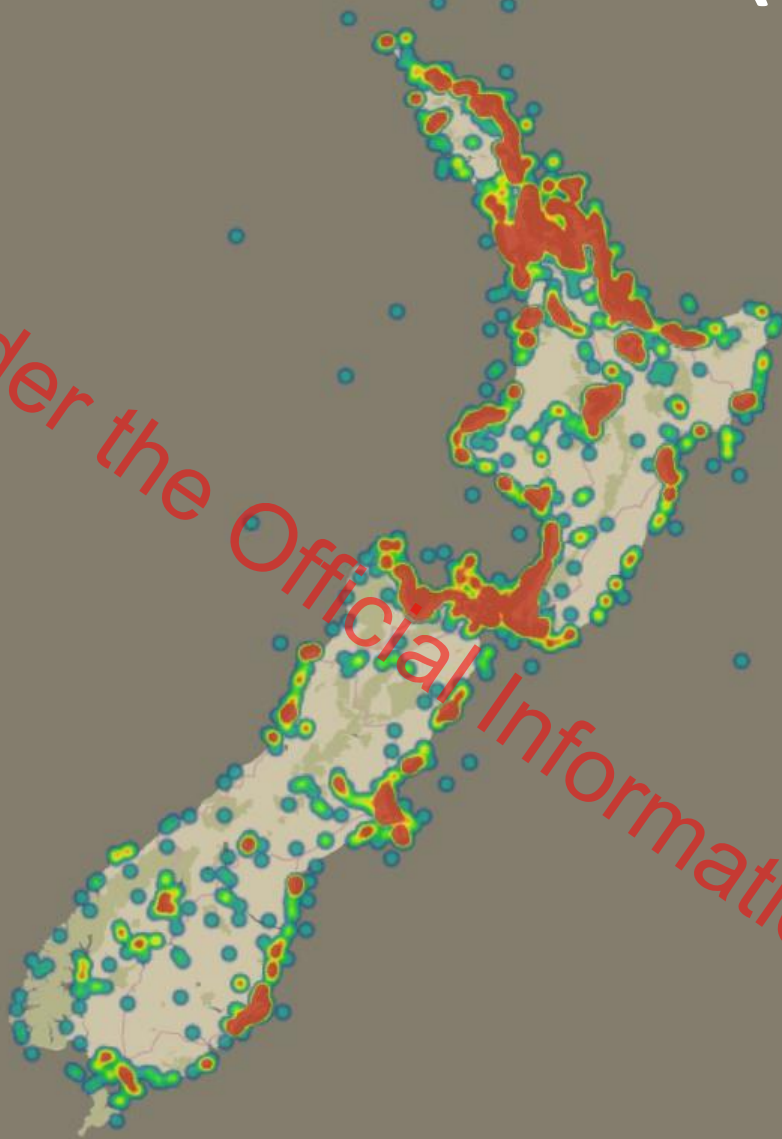
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Category 2 Marine SAROPs (8 years)



Category 1 Marine SAROPs (8 years)

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What are our current & future challenges?

- A very large area of responsibility with large oceanic areas
- Often have large SADs for operations in the oceanic areas
- Increasing activity in Antarctica (fishing & tourism)
- SAROPs cannot be programmed in advance
- Some areas of NZ have gaps in SAR capability/capacity (e.g. Wairarapa Coast)
- Coastguard (NGO) limited to 12nm
- Systemic changes to Air Ambulance contracts may impact on availability for prolonged searches

How might air surveillance help?

Over the last seven years (2010/11 – 2016/17) SAR operations supported by the current air surveillance capability of the P-3K2 Orion's have resulted in:

- **119 lives saved** (where, if SAR agencies had not intervened, life would definitely have been lost)
- 92 people rescued (where SAR agencies locate and rescue a person or people at risk and return them to a safe location)
- 67 people assisted (where SAR agencies aid a person or people at low risk, but who, if left, would be at risk)

NZSAR Secretariat estimates the 119 lives saved has averted a social cost of **\$450.7million** to the region



How can the system be improved?

Expectation that the P-8A will takeover the role of the P-3K2 especially with large/remote SAROPs

Opportunities of ASCC:

- Close to NZ marine SAR (22 Sep 2018 kayaker missing off Great Barrier Island), especially where there are capability gaps
- Capability for missing a/c searches in NZ
- Providing C2 for large/complex/remote SAROPs
- Airdrop of lifesaving equipment/supplies
- Providing oversight of medevacs
- Anomaly detection
- Mobile phone locating

Oil and Maritime Incident Response (non-SAR) opportunities (Maritime NZ)

- Night time detection and/or tracking of known oil spills
- Remote sensing and/or detection of unknown or unreported oil spills

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