

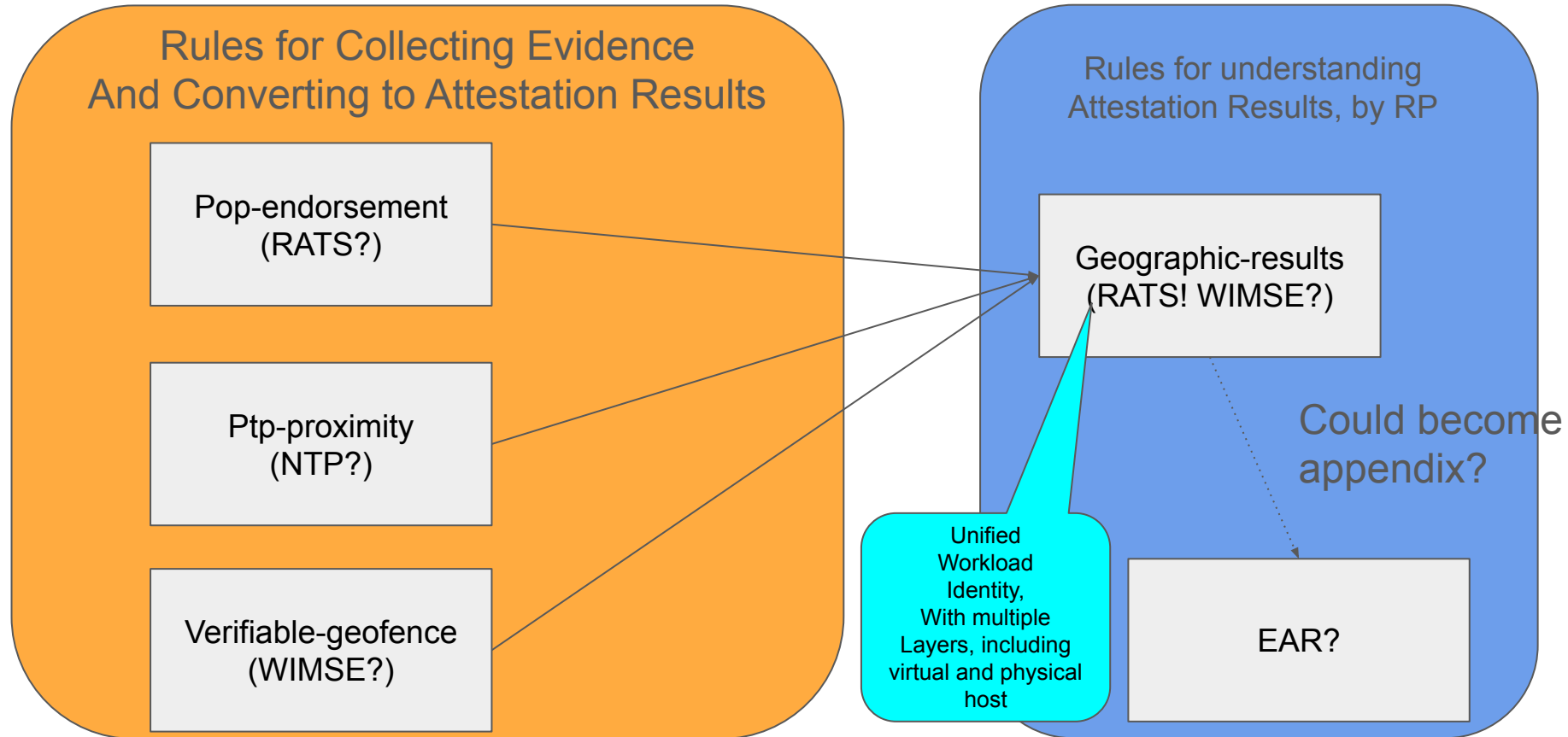
# Remote Attestation And Geographic Evidence/Results (Work in Progress)

IETF124 - Montreal  
RATS and WIMSE WG  
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# Relevant Document(s)

- <https://datatracker.ietf.org/doc/draft-richardson-rats-geographic-results/> (new)
- [draft-lkspa-wimse-verifiable-geo-fence](#) (discussed at IETF123: RATS+WIMSE)
- Using PTP to estimate proximity - <https://github.com/ramkri123/ptp-asymmetric-authentication> (new)
- <https://datatracker.ietf.org/doc/draft-richardson-rats-pop-endorsement/> (discussed at IETF123: RATS)

# Possible Document Architecture/Combinations: many docs



# Document Architecture/Combinations: fewer Documents, many appendix

Rules for understanding Attestation Results, by RP

## geographic-results

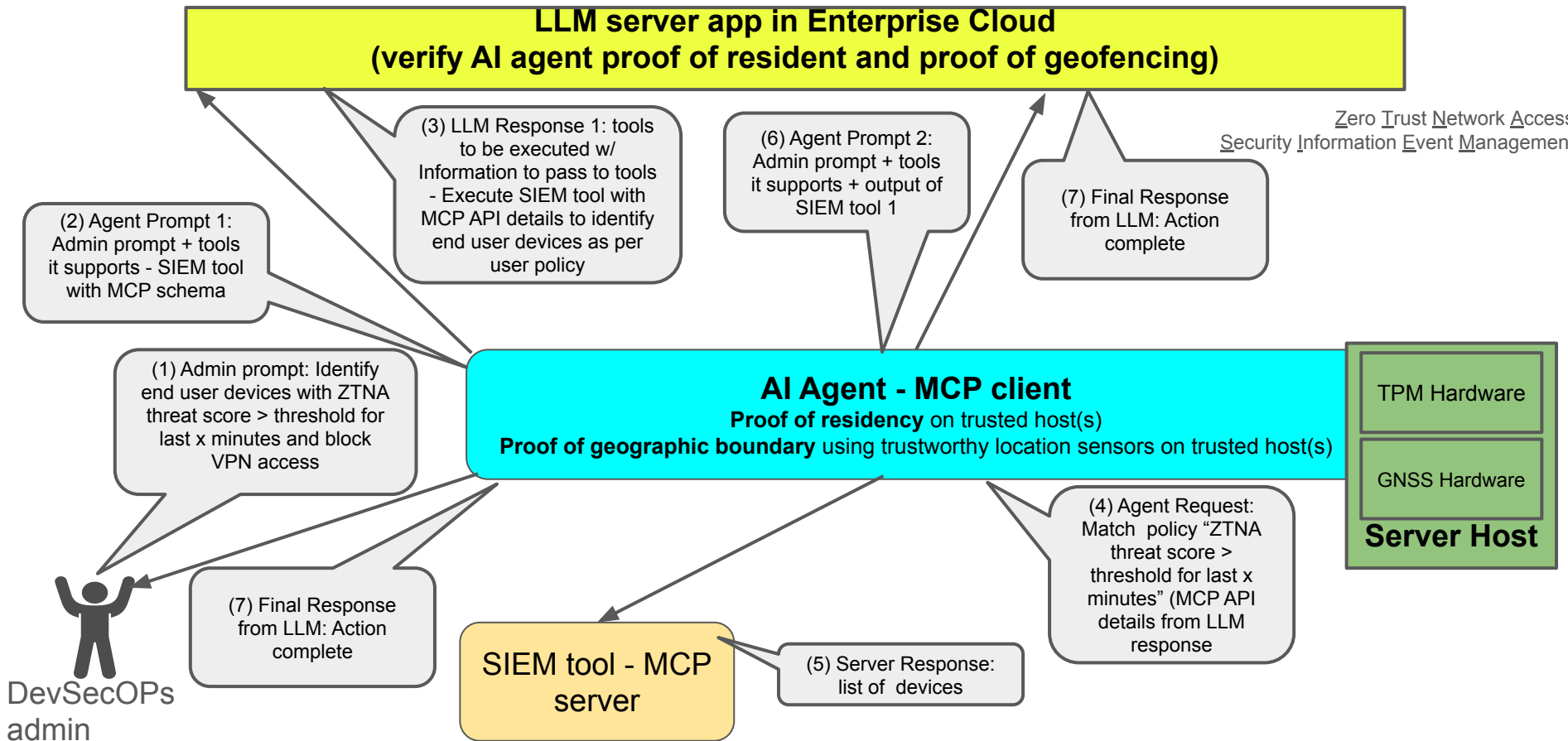
Appendix: rules for Collecting Evidence/Converting to  
Attestation Results

verifiable-geofence

ptp-proximity

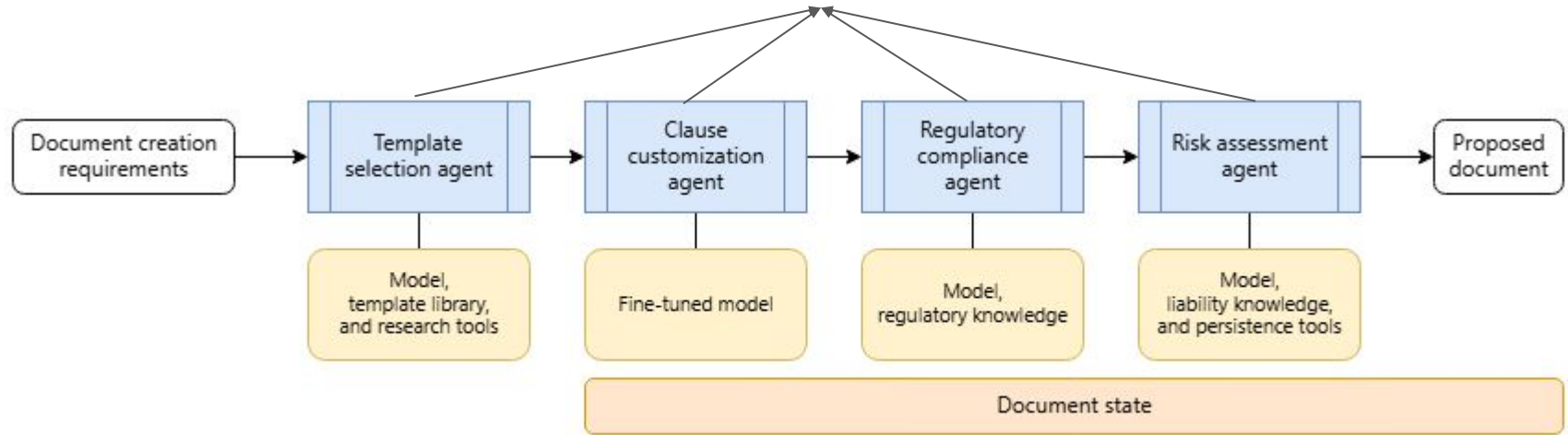
pop-endorsement

Use Case: An AI Agent is assessing the trustworthiness of a VPN user. (DevSecOps)  
The Agent's geography is important, because it will be provided with sensitive security information



# Multi-agent Use Case - Verifiable host residency & geofencing

## Trusted Agent Registry



Reference: <https://learn.microsoft.com/en-us/azure/architecture/ai-ml/guide/ai-agent-design-patterns>

**Example contract use case:** Ensure the contract processing matches the geolocation policy -- for instance, different consumer protection laws (GDPR, HIPPA, Local laws etc.) are geographic region specific.

**Solution:** Each agent in the Enterprise supply chain needs to provide to the trusted agent registry

- Cryptographically verifiable proof of residency on trusted hosts
- Cryptographically verifiable proof of geofencing on trusted hosts with trusted sensors

# Use Case: Network Attested Secure foRwarding (NASR)

Requires Evidence or  
Endorsement as to  
residency of forwarding  
elements:

- Might be sovereignty
- Might be performance/latency
- Might be redundancy/resilience

Below is an example where  
The shortest path would be via a different country.



# Considerations

- Different groups will have different needs, and putting too much together may confuse and/or slow review process
- But, a goal is to simplify the effort by Relying Parties, to have common code
  - Thus a common Attestation Results, arrived at by many different procedures



# Discussion

