Infrastructure Workstream – Parallel to Migration

Phase 1 – Network & Connectivity Readiness

- **Internet Redundancy Plan:**
  - Procure and configure second ISP link; ensure BGP/Automatic failover for seamless continuity.
  - Test *real user impact* failover (simulate cut of primary link).
- **Bandwidth Monitoring:**
  - Assess current and projected bandwidth usage (SharePoint/OneDrive sync + Teams traffic + NAC).
  - Set up monitoring/alerts for spikes during migration waves (ShareGate moves large volumes).
- **QoS/Traffic Shaping:**
  - Review Teams voice/video QoS policies; prevent SPO sync flooding voice/video during migration.
- **Contingency:**
  - Rollback plan if secondary ISP underperforms (routing issues, DNS propagation delays).

Phase 2 – Identity & Authentication Oversight

- **Conditional Access Baseline:**
  - Ensure CA policies align with project: e.g., site owners migrating content shouldn't be blocked by legacy CA quirks.
  - Strengthen MFA if still optional → enforced for all admins as minimum safeguard for tenant.
- **Admin Role Reviews:**
  - Cameron's infra team owns Global/Tenant Admin; you hold Application Admin.
  - Confirm clear RACI: infra team approves conditional access or security changes, you handle workload config.
  - Quarterly Access Reviews (Entra ID) to avoid role creep.
- **Licensing Alignment:**
  - Double-check NAC licensing assignments align with Entra Global Admin view.

Phase 3 – Platform & Tenant Configuration

- **Tenant-Wide Settings:**
  - Review sharing policies for SharePoint/OneDrive (anonymous vs new/existing guests) → prevent accidental data oversharing during migration.
  - Set storage quota governance for SPO sites; infra team to align with capacity monitoring.
- **Service Health Alerts:**

- Tenant admins configure advanced service health alerts (SPO/NAC outages) and share with PMO daily during waves.
- **Audit & Compliance Logging:**
  - Enable Unified Audit Logging in Purview if not already; infra must ensure retention is compliant.
  - Ensure NAC audit logs are discoverable centrally (Cameron should validate this aligns with org retention).

Phase 4 – Migration Support Infrastructure

- **Performance Windows:**
  - Work with squads to agree migration windows (nights/weekends, staged waves). Infra to validate bandwidth/latency tolerances won't impact business hours.
- **OneDrive Sync Client Management:**
  - Confirm endpoints are patched to latest OneDrive sync client; outdated clients can break silent migration.
- **DNS/Access Testing:**
  - Ensure SPO and NAC endpoints are resolvable through both internet links (watch for hardcoded firewall IP whitelists).
- **Firewall & Proxies:**
  - Confirm Microsoft endpoint ranges for SPO/NAC are allowed through both internet links (use [MSFT Endpoint JSON feed](#)).

Phase 5 – Post-Cutover Operationalization

- **Monitoring & Alerts:**
  - SPO performance dashboards in M365 admin center regularly reviewed.
  - Alerts configured for sync errors, storage nearing quota, NAC connector failures.
- **Incident Routing:**
  - Agree escalation flow: infra handles tenant/service outages; app team (you) handles SPO/NAC functional issues.
- **Post-Migration Hardening:**
  - Lock down legacy SP2019 farm network access to read-only or remove exposure altogether.
  - Ensure M365 Secure Score reviewed monthly; infra/security team to drive improvements.

Critical Risks for Infra to Own

1. **Network Saturation Risk:** ShareGate migration floods links; if infra doesn't throttle/schedule, Teams/OneDrive users suffer.

2. **Redundancy False Sense:** Second link adds resiliency, but if DNS/firewalls not updated, failover doesn't work. Must *test under load*.

3. **Admin Separation Risk:** Confusion between your Application Admin and their Tenant Admin could cause delays (e.g., CA blocks migrations). RACI documented upfront avoids finger-pointing mid-project.

4. **Guest Access Explosion:** SPO opens door for uncontrolled sharing → infra must configure guardrails early before migration waves.

5. **Licensing Blind Spot:** NAC connectors may invoke premium license needs; infra often sees late in admin portal. Need proactive budget mapping.