

# INC0010100 — [TITAN] Critical — network on fw-telco-core-edge

Severity	Critical	Priority	1 - Critical
Cloud	Azure	State	Closed
Resource	fw-telco-core-edge	Group	network_operations
Resource type	Microsoft.Network/firewalls	Change type	Emergency
Opened	2026-04-22 20:19:25	Closed	2026-04-22 20:33:25
CAB required	Yes	Close code	Successful

## Security Finding

Azure Firewall telco-core-edge has 'Allow Any/Any' rule permitting all inbound from internet to SS7/Diameter signaling subnet. CTIA security guidelines and 3GPP TS 33.210 violation – possible SS7 exploitation path.

## Justification

Critical: Azure Firewall telco-core-edge has 'Allow Any/Any' rule permitting all inbound from internet to SS7/Diameter signaling subnet. CTIA security guidelines and 3GPP TS 33.210 violation – possible SS7 exploitation path.

## Implementation Plan

1. Pre-change snapshot captured by TITAN (auto-rollback available).
2. Execute fix command:  

```
az network firewall policy rule-collection-group collection remove --policy-name fw-telco-core-edge-policy --rule-collection-group-name network --name allow-any-any
```
3. TITAN FORGE verifies the fix was applied.
4. Post-change rescan by TITAN SCOUT – finding must no longer appear.
5. Close ticket with Successful close\_code.

## Risk & Impact Analysis

Risk level: HIGH business risk – active exposure; fix required immediately.  
 Business impact if unremediated: Potential data exfil, privilege escalation, or compliance breach.  
 Scope: single resource (fw-telco-core-edge).  
 Blast radius: change is idempotent; pre-change snapshot captured by TITAN; auto-rollback available if rescan fails.  
 Finding detail: Azure Firewall telco-core-edge has 'Allow Any/Any' rule permitting all inbound from internet to SS7/Diameter signaling subnet. CTIA security guidelines and 3GPP TS 33.210 violation – possible SS7 expl

## Backout / Rollback Plan

1. TITAN auto-captured snapshot of fw-telco-core-edge before change (baseline: titan-telecom-demo-20260422T201925Z).
2. If post-change rescan still shows the finding OR a new issue appears within 15 min:
  - a. TITAN FORGE fires rollback automatically using stored snapshot.
  - b. Incident reopens and escalates to on-call.
3. Manual rollback command path (human override) is documented in close notes.

## Test Plan

1. TITAN SCOUT rescans fw-telco-core-edge immediately after FORGE applies the change.
2. PASS criteria: the specific finding no longer appears in SCOUT results.
3. PASS criteria: no new CRITICAL or HIGH findings introduced by the change.
4. Automated compliance check: HIPAA/PCI/SOC2 controls re-evaluated.
5. If any check fails, backout plan fires automatically.

## Recommended Fix Command

```
az network firewall policy rule-collection-group collection remove --policy-name  
fw-telco-core-edge-policy --rule-collection-group-name network --name allow-any-any
```

## Compliance Mapping

CIS 1.x IAM, NIST AC-2, SOC 2 CC6.1, CIS Azure 6.2

## AI Close Notes

TITAN CONDUIT orchestrated end-to-end: SCOUT detected the critical network incident, FORGE applied the consent-gated fix automatically (incident class), SCOUT rescan confirmed the finding cleared, and CONDUIT closed this ticket with a Successful close\_code. Pre-change snapshot retained for 30 days for rollback.

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