INC0010104 — [TITAN] Critical — identity on iam-user-ss7-gateway-svc

Severity	Critical	Priority	1 - Critical
Cloud	AWS	State	Closed
Resource	iam-user-ss7-gateway-svc	Group	identity_and_access
Resource type	AWS::IAM::User	Change type	Emergency
Opened	2026-04-22 19:55:25	Closed	2026-04-22 20:09:25
CAB required	Yes	Close code	Successful

Security Finding

```
SS7 gateway service account is a human-style IAM user with console access + no MFA. Signaling
network compromise would enable SMS-intercept / call-redirect / location-tracking attacks.
```

Justification

```
Critical: SS7 gateway service account is a human-style IAM user with console access + no MFA.
Signaling network compromise would enable SMS-intercept / call-redirect / location-tracking
attacks.
```

Implementation Plan

```
1. Pre-change snapshot captured by TITAN (auto-rollback available).
2. Execute fix command:
aws iam delete-login-profile --user-name iam-user-ss7-gateway-svc && aws iam attach-user-policy
--user-name iam-user-ss7-gateway-svc --policy-arn arn:aws:iam::aws:policy/SS7GatewayOpsRoleOnly
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 (iam-user-ss7-gateway-svc).
Blast radius: change is idempotent; pre-change snapshot captured by TITAN; auto-rollback available
if rescan fails.
Finding detail: SS7 gateway service account is a human-style IAM user with console access + no
MFA. Signaling network compromise would enable SMS-intercept / call-redirect / location-tracking
attacks.
```

Backout / Rollback Plan

```
1. TITAN auto-captured snapshot of iam-user-ss7-gateway-svc 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 iam-user-ss7-gateway-svc 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

```
aws iam delete-login-profile --user-name iam-user-ss7-gateway-svc && aws iam attach-user-policy
--user-name iam-user-ss7-gateway-svc --policy-arn arn:aws:iam::aws:policy/SS7GatewayOpsRoleOnly
```

Compliance Mapping

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

AI Close Notes

```
TITAN CONDUIT orchestrated end-to-end: SCOUT detected the critical identity 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.
```